Distnet 4

1625 N French Dr , Hobbs, NM 88240

State of New Mexico HOBBS OCDEnergy Minerals and Natural Resources

Form C-101 May 27,2004

Dstrict 11

1301 W Grand Avenue, Artesia, NM 88210

Date.

5/21/12

Phone

(575)748-1288

1 000 Rio Brazos Road, Aztec, NM 87410 MAY 2 2 2012

District IV

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe NIM 27505

Submit to appropriate District Office

☐ AMENDED REPORT

1220 S St Fr			REC	EIVED			,	M 8/3		. 121	TIODAG			NA ZONE	
APPI	<u>ICATI</u>	ON FC	Operator Nam	<u> 10 Di</u>		RE-E	NTE.	R, DE	EPEN	<u>, Рі</u>	<u>LUGBAC</u>		ADL Number	O A ZONE	
		D.O.	Mack Energ			20.60				┝	20 025 20	oob ^{API N}	Number	013837	
1 Prone	ıty Code	P.O.	Box 960 Art	esia, NM		operty 1	30- 025-28999 API Number Name 6 Well No						No		
	36929						nsas State 1							1	
	'Proposed Pool I Arkansas Junction; Bone Spring							Proposed Pool 2 Arkansas Junction; San Andres							
				_	7 Sur	face	Locat	ion							
UL or lot no	Section	Township	Range	Lot	Idn	Feet fro			outh line	F	eet from the	East(We		County	
Α	35	18S	36E			66	0	No	orth		660	Eas	st	Lea	
		·	8 Prop	osed Botte	om Hole	Locat	ion If [Differer	t From S	Surfa	ace				
UL or lot no	Section	Township	Range	Lot	Idn	Feet fro	m the	North/S	outh line	F	eet from the	EastfWe	est line	County	
				Ac	lditiona	ıl We	ll Info	rmati	on						
	Type Code		12 Well Type C	ode			/Rotary		1-	Leas	Type Code			nd Level Elevation	
	A Zone		Oil " Proposed De	nth .		Rot " Form	-			C	Sontractor		3766' GR		
	'es		6402'			rom	iration			900			5/1/2012		
Depth to Grou	ndwater 14	45'		Distance	e from near	rest fresl	n water w	^{ell} 100	0'		Distance from	ı nearest su	ırface wat	er 1000'	
	Synthetic		nils thick Clay	Pit Vol	ume	_bbls			ng <u>Method</u>						
Close	d-Loop Syst	tem 🔀						Fresh V	Vater 🛛	Brine	Diesel/O	ıl-based	Gas/Aı	ı 🗌	
 _		,	2	Propos	sed Cas	ing a	nd Ce	ment	Prograi	m					
Hole S	ıze	C	asing Size	Casing	g weight/fo	oot	S	etting D	epth		Sacks of Ce	ment	I	Estimated TOC	
17 1/2		13 3/8				459'		600sx			Surface/In place				
12 1/4		9 5/8		36			4500'			-	00sx		_	e/In place	
7 7/8		5 1/2		15.5			6698'			80	0sx		2000'		
										╁			<u> </u>	,	
2 Describe the	proposed p	rogram If	this application is	s to DEEPEI	N or PLUC	G BACK	C, give th	e data or	the prese	nt pr	oductive zone	and propo	sed new p	productive zone	
Describe the b	olowout pre y Corpor	vention pro	gram, if any Use	additional s	heets if ne	cessarv								production in the	
1. Drill out (2. Acidize ex			id 6020'. 6285-6320'.									78			
3. Swab and	evaluate					Dorm	nit Ex	pires	2 Year	rs F	rom App	LOVE			
4. Put on Pro	duction				1	E 64.80	Date	Unles	S PITTER	my	OBSTREE ASS	i y		,	
						•			Ada	نمع	1				
21 hereby cert	ify that the	informatio	n given above is t	rue and com	nlete to the	e hest									
oftny knowledge and behef I further certify that the drilling pit will be constructed according to NMOCD guidelines a general permit , or						-		OIL C	ON	SERVAT	ION D	IVISI	ON		
			pproved plan.		rmit 🗀,	or	Approv	ed by			. /				
Signature	De	my h). Shews	Ol .			TIPPIOT	-u vy.		Z	ged	7			
Printed name	7	0	Jerry W. She	rrell			Title [.]	PEN	HULL	ANL	EARLINESS!	2			
Title [.]		Pr	oduction Cler	k			Approv	al Date.			E	xpiration D	Date		
E-mail Addres	S.		jerrys@med	c.com					MAY	2	3 2012				

Conditions of Approval Attached

MAY 2 2 2012

N (ICO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

RECEIVED

All distances must be from the outer boundaries of the Section

r perator AA 1. m		-0-0-4100	Lec	100 Actorso	5 State		Well to	
		orporation		,				
nit Letter A	ction 35	Township 18 Sol	та	Ronge 36 EAS	County LL.	A		
Actual Footage Lacation	n of Well;	NUMBER		660		EAST		
	et from the	NORTH	line and		feet from the		line	
Ground Level Elev. 3766.0		Formation Andres	Poo	Arkansas	Junction		Icaled Acreage:	Acres
1. Outline the a	creage ded	licated to the si	ibject well l	oy colored penc	il or hachure	marks on the pl	at below.	
interest and r	oyalty). one lease o	is dedicated to of different owne n, unitization, fo	rship is dedi	cated to the we				
If answer is this form if ne	'no,' list t cessary.)_ will be ass	answer is "yes he owners and to igned to the well	!' type of co	nsolidation	n consolidate	ed (by commun	itization, unitiza	tion,
forced-pooling sion.	, or otherwi	ise) or until s nor	-standard un	it, eliminating	such interest	s, has been app	roved by the Con	ınıis -
					-660' -	I heraby certifi toined-herein i best of my kno	RTIFICATION y that the information is true and complete wledge and belief.	
	1			\ \		remy h	! Shanell J. Sherrell	
	1					Jerry. L.	J.Sherrell	
	} 			1		Production Company		١_
	1			i i		Date	ngy Corporat	10 N
	· <u></u>			i		5-8-2012	×	
	 			ESS (03)		shown on this notes of actual under my super	ify that the well loo plat was plotted from if surveys made by it vission, and that the arrect to the best of belief.	field me or same
	\$					OCTOBER 1 Pegistered Profes and/or Land Surv	ssional Engineer	/
330 960 -90	1320 1680	1980 2310 2640	2000	1600 1000	B0Q 0		JOHN W WEST, ONALD J. EIDSON,	676 3239

HOBBS OCD

MAY 2 2 2012

M (ICO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION PLAT

fbrm C+102 Supersedes C-128 Effective 14-65

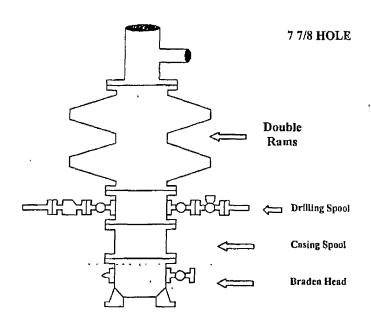
RECEIVED

All distances must be from the outer boundaries of the Section

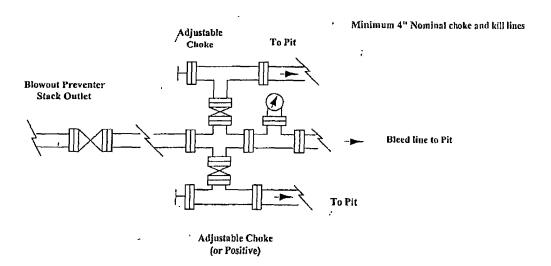
Mack	Energy Cor	poration	i.ouse	Arkansas.	State			Well Hr.	1
'nit Letter A	Section 35	Township 18 SOUTH	R	36 EAST	County [.]	.A.			
Actual Footage Lac-		NORTH ine and		660	t from the	EAST		iine	
Ground Level Elev. 3766.0	Bone S	· ·	Pool /	Arkansas Jui	nction		2ed1c0	iled Acreage;	Acres
2. If more th	-	dedicated to the well							o working
	ommunitization, t	lifferent ownership is ounitization, force-poolinawer is "yes;" type o	ng. etc	?	have the	interests of	all o	wners beer	consoli-
this form if No allowab	f necessary.)	owners and tract desc ed to the well until all) or until a non-standard	intere	sts have been c	onsolida	ted (by com	muniti	zation, un	itization,
noia.									
	 				660'	tained-he	certify i rein is i y knowl	has the informative and compedge and bels Share	alete to the
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			The second secon	The state of the s		t hernby shown on notes of under my	certify this pla actual supervi nd corr r and be	. 1984	d from field by me or the same mest of my
						registered and/or Land	Survey Mo JOH	U W WEST.	676
J 330 660 -e	10 1320 1480 166	0 3310 3440 3000			(RON	ALD J. EIDS	ом. 3239 I

Mack Energy Corporation Exhibit #1-A

Exhibit #1-A BOPE Schematic



Choke Manifold Requirement (3000 psi WP) No Annular Required



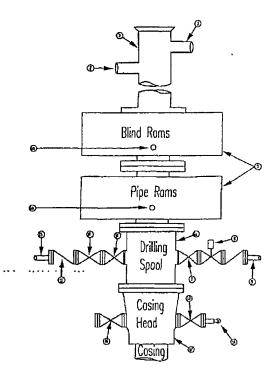
Mack Energy Corporation

Minimum Blowout Preventer Requirements

3000 psi Working Pressure 3 MWP EXHIBIT #1-A

Stack Requirements

Items	7	Mın.	
	I.D.	Nomina	
Flowline	L	2"	
Fill up line		2"	
Drilling napple			
Annular preventer			
Two single or one dual hydraul cally operated			
rams	1		
Drilling spool with 2" min kill line and 3" min		2"	
choke line outlets		Choke	
2" min kill line and 3" min. choke line outlets			
in ram (Alternate to 6a above)	<u> </u>		
Valve Gate	3 1/8		
Plug		ļ	
Gate valve-power operated	3 1/8		
Line to choke manifold		3"	
Valve Gate	2 1/16		
Plug			
Check valve	2 1/16		
Casing head			
Valve Gate	. 1 13/16	7,	
Plug			
Pressure gauge with needle valve			
Kill line to rig mud pump manifold		2"	
	Flowline Fill up line Drilling nipple Annular preventer Two single or one dual hydraulically operated rams Drilling spool with 2" min kill line and 3" min choke line outlets 2" min kill line and 3" min. choke line outlets in ram (Alternate to 6a above) Valve Gate Plug Gate valve-power operated Line to choke manifold Valve Gate Plug Check valve Casing head Valve Gate Plug Pressure gauge with needle valve	Flowline Fill up line Drilling nipple Annular preventer Two single or one dual hydraul cally operated rams Drilling spool with 2" min kill line and 3" min choke line outlets 2" min kill line and 3" min, choke line outlets in ram (Alternate to 6a above) Valve Gate Plug Gate valve-power operated Jan 1/8 Line to choke manifold Valve Gate Plug Check valve Casing head Valve Gate Plug Check valve Casing head Valve Gate Plug Pressure gauge with needle valve	



		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 3000 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
- 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 easing head and side valves.
- Wear bushing, If required

GENERAL NOTES:

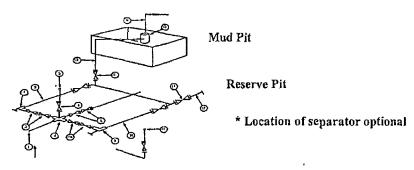
- Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
- All connections, valves, fittings, piping, etc., subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through choke valves must be full opening and suitable for high pressure mud service
- 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.

- 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 steet control pping (2000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
- Casing head connections shall not be used except in case of emergency
- Do not use kill line for routne fill up operations

Mack Energy Corporation

Exhibit #1-A

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



Below Substructure

Mimimum requirements

				TANETHIE	tam teda	ti CintCitts				
3,000 MWI			3,000 MWP		-	5,000 MW	10,000 MWP			
No.		I.D.	NOMINAL	Rating	I.D.	Nominal	Rating	1,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"		1	3,000			5;000			
2	Cross 3" x 3" x 3" x 2"				,				ļ	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 ^H	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 111111

- 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. 2.
- All lines shall be securely anchored.
- 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.
- 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