District I PO Box 1980, Hobbs, NM 88241-1980 District II 811 S. 1st Street Artesia, NM 88210-1404 District III

State of New Mexico Energy, Minerals & Natural Resourses Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-101 Revised February 10, 1994 Instructions on back

Submit to Appropriate District Office State Lease - 6 Copies

Fee Lease - 5 Copies

District III 1000 Rio Brazos Rd, Aztec, NM 87410 District IV

Date:

9/7/2005

District IV PO Box 2088, San	nta Fe, NM 8	37504-201	88							AMEN	DED REPORT
APPLICA	TION 1	FOR 1	PERMIT	TO DRI	LL, RE-EN	ITER, DEF	EPEN	, PLUGBA	ACK,	OR AI	DD A ZONE
					r Name and Add						RID Number
			N	-	gy Corporation	1033				I	013837
				P.O. E	Box 960				ŀ		PI Number
			A	Artesia, NM	A 88211-0960						
Deone						NT				<u> </u>	-025-28866
	rty Code					Rabbit SWD					Well No.
				<u> </u>	Surface I						<u></u>
UL or lot no.	Section	Towns	ship Range	Lot Idn	Feet from the	North/South I	line !	Feet from the	East/W	Vest line	County
L	9	188			1980	South		660		West	Lea
L		<u> </u>		Rottom 1	Hole Locati		erent			VEST	Lea
UL or lot No.	Section	Townsh	<u> </u>	Lot Idn	Feet from the	North/South 1		Feet from the		Vest line	County
OL OF IOURS.	Section	I Uwing.	nip Kange	Louis	Feet Hom and	Noturoum.	ine	reet nom me	Easu **	/est mie	County
<u> </u>		Pro	1 Pool 1	<u> </u>	L,						
			oposed Pool 1					Propose	d Pool 2	2	
		<u>D</u>	Delaware								
Work T	ype Code		Well Type	e Code	Cable	/Rotary	<u> </u>	Lease Type Co	de	Ground	d Level Elevation
	D					-				-	
Mul	ltiple	+	Proposed	Donth	.1			S			4048'
<u> </u>	_		Proposed Depth					Contractor		1	Spud Date
N	0				63:			<u> </u>		9	9/25/2005
			F	Proposed	d Casing an	nd Cement	Prog	gram			
Hole Si	ize		Casing Size	Casir	ng weight/foot	Setting Depth Sacks of Ceme		f Cement	í	Estimated TOC	
17 1/2	2		13 3/8		54.5	516 55		50		Circulated	
11			8 5/8	2	24 & 32	3600		16	50		Circulated
7 7/8	3		5 1/2	15	5.5 & 17	9000		15	00		Circulated
				—							
					EN or PLUG BAC ditional sheets if r		on the pr	resent productiv	e zone a	nd propose	d new productive
ZUIIC. DOSC		-		-	s to Deepen the f	-	ı EK Ou	seen Unit #1 nc	w Iack	Pahhit SW	7D #1 to a denth
of 6350' n					-	· ·	•				ely 200 sx cement.
i						squeeze me exi	Sting per	#IS 4300-4303	Witti api	proximace	ly 200 sx cement.
H	Permit r	Expire	95 1 Year	tiun ny - Hadaar	ijiovai cau						
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									5u)D_(995
I hereby certify		rmation	given above is t	true and comp	lete to the best	OI	L CO	NSERVA'	TION	DIVIS	HON
of my knowledge Signature	and belief	2	1.1 <	1 10	·	OIL CONSERVATION DIVISION Approval by:					
Printed name:	<u> </u>	ry	W. W	anell		1/1/pid					PAIOINICES
		Jerry V	W. Sherrell			Title:	<u> </u>	P	ETRU	LEUM E	NGINEER
Title:	Title: Production Clerk						U i	עטעב ן	Expintion	n Dstc	

Conditions of Approval:
Attached

(505)748-1288

NE IEXICO DIL CONSERVATION COMMISSIC WELL LOCATION AND ACREAGE DEDICATION PLAT

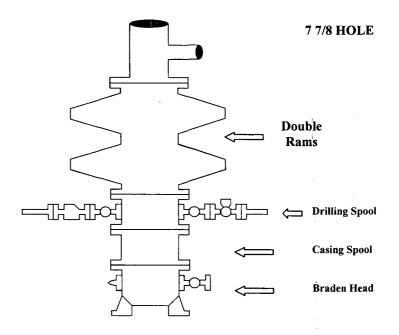
Form C-102 Supersedes C-12 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

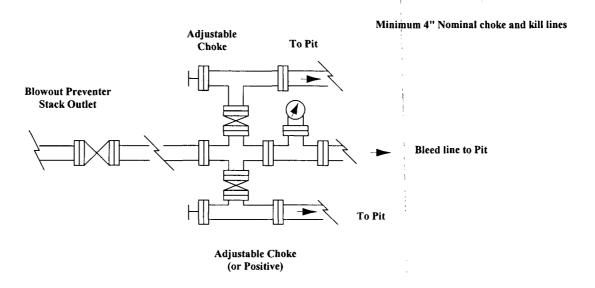
Operator Mack Ency	or Cornoration	Lease	Ta ala 19 - 1-1-1	: - CIT		Welt No.
	gy Corporation	<u> </u>	Jack Rabbi	re swn		1
Unit Letter Sec	Township	18 South	l onge 34 East	County	20	
Actual Footage Location			54 Ed.5C	<u> </u>	- 	
1986	et from the South	line cendi	660	et from the	west	line
Ground Level Elev.	Producing Formation	Pool		or mon me		Dedicated Acreage:
4046.01	Delaware	<u> </u>	SWD Delawar	e e		40 Acres
	reage dedicated to the one lease is dedicated yalty).		-			e plat below. ereof (both as to working
If answer is "this form if nec	No If answer is " no," list the owners are sessary.)	yes," type of cons d tract description well until all intere	olidation	ctually been	consolida (by comm	all owners been consoli- ted. (Use reverse side of nunitization, unitization, approved by the Commis-
sion.			1		I hereby co	CERTIFICATION ertify that the information con-
around the lo	x 800' area ocation was no pipelines				Name ASSIS Company AMOCO	t. Admin. Analyst PRODUCTION COMPANY
660'0					shown on t notes of a under my s	certify that the well location his plat was plotted from field ctual surveys made by me or upervision, and that the same d carrect to the best of my and belief.
				j .	andor Loand	7, 1984 refessional Engineer

Mack Energy Corporation

Exhibit #1-A BOPE Schematic

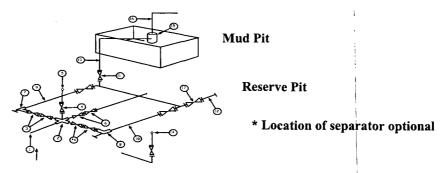


Choke Manifold Requirement (2000 psi WP) No Annular Required



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

				MINIM	ıum requ	irements		- 1			
3,000 MWP 5,000 MWP 10,000								10,000 MW	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	Cross 3" x 3" x 3" x 2"			3,000			5,000				,,,,,,
2	Cross 3" x 3" x 3" x 2"]					1			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	3/16		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			- WIVE	10,000
15	Gas Separator		2' x5'			2' x5'	t	T		2' x5'	<u> </u>
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
- Gate valves only shall be used for Class 10 M (2)
- (3) 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. 1.
- 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.

Mack Energy Corporation Minimum Blowout Preventer Requirements

2000 psi Working Pressure 2 MWP

EXHIBIT #1-A

Stack Requirements

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 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"

Blind Rams
Pipe Rams
Drilling Spool
© Casing C
Head

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		<u> </u>		
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.
- 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:

- 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.
- 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 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. Do not use kill line for routine fill up operations.