Form 3160-3 (December 1990)			S	M. OIL COTTEN 811 State Instr ARTESIA, No recerse	Vicions on side	В	rm approved. Idget Bureau kpires: Decem	No. 1004-0 136 aber 31, 199	
	DEPARTMEN BUREAU OF	LAND MANA				5. LEAS	E DESIGNATION		
APPL	ICATION FOR P		·			6. IF INI	NM-292	OR TRIBE NAME	
a. TYPE OF WORK		DEEPEN				7. UNIT	AGREEMENT NA	ME	
b. TYPE OF WELL OIL	Gas OTHER		S	INGLE MULT			r lease name, wel Gold Star Fee		
Mack Energy Corp		138	37			9. API WE			
ADDRESS AND TELEPHONE NO	o. esia, NM 88211-0960	(EAE) 7	- ,	4			NS- 307		
	and the second	(505) 7		-	· · · · ·	10. FIEL	d and pool, of East Empire		
4. LOCATION OF WELL (Report location clearly and in accordance with any state requirement.*) At surface 330 FNL 990 FEL At proposed prod. zone							East Empire Yeso 96610 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
		330 FNL 990		Unit A		Sec 30 T17S R29E			
I. DISTANCE IN MILES AN	ND DIRECTION FROM NEAR 7 A miles	EEST TOWN OR POS West of Loco I		E*			NTY OR PARISH		
5. DISTANCE FROM PROP LOCATION TO NEARES	OSED*	** CSL 01 LOCO 1	· · · · · · · · · · · · · · · · · · ·	. OF ACRES IN LEASE	17 NO 0	Eddy NM			
PROPERTY OR LEASE (Also to nearest dri 8. DISTANCE FROM PROP	330		80 TO		O OF ACRES IN LEASE O THIS WELL 40 OTARY OR CABLE TOOLS				
TO NEAREST WELL, DE OR APPLIED FOR, ON TH					Rotary				
	vhether DF, RT, GR, etc.) 3631 GR						22. APPROX. DATE WORK WILL START* 10/30/98		
i.		PROPOSED CASI	ING AND	CEMENTING PROGRA		,	10/00/2		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER F	_	SETTING DEPTH		OUA	TITY OF CEMEN	<u></u>	
17 1/2	K-55,13 3/8	48		300	ATTANES		Circ	·	
12 1/4				500	WITNE	CA CA			
7 7/8	K-55, 8 5/8 J-55, 5 1/2 gy proposes to drill to	24 17 a depth suffici	ient to 1	750 5800	WITN	ESS	Circ Suff to Circ	16	
7 7/8 Mack Enerş productive, 5 1/2'' ca		17 a depth suffici l. If non-produ s as pen Appin (ictive, t WALI 8	750 5800 test the Paddock and he well will be plug SUBJECTrdC#1 at	d San And ged and ab re outlined	ESS S res form	Circ Suff to Circ ation for oil d in a manor ollowing atta	consistent achments:	
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Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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DISTRICT I P.O. Box 1960, Hobbs	, NM 88241-19	980	an.				W Mexico	Submit	For Revised Februar to Appropriate Dist	- · · · · · · · · · · · · · · · · · · ·	
DISTRICT II P.O. Drawer DD, Arte	sia, NM 68211	-0719						Parm	Fee Lease	-	
DISTRICT III 1000 Rio Brazos F	Rd., Aztec, N	M 87410	OIL	CON		ATI Box 2		191 - 4 19	99		
DISTRICT IV p.o. box 2088, sant	A PE, N.M. 87	504-2088		Santa F			o 87504-20 88			REPORT	
		٦	WELL LO	CATION	AND	ACREA	GE DEDICATI	ON PLAT	• • • • • • • • • •		
API	Number			Pool Code		T	est Engine V				
Property	Code		9661(Property Name				250]	Well Number	
OGRID N	0			GOL		FEDE			Elevation		
013837	0.			MACK E	•		PORATION		3631		
		•	•		Surfa	ce Loca	ation				
UL or lot No. A	Section 30	Township 17 S	Range 29 E	Lot Idn	Feet fro 33		North/South line NORTH	Feet from the 990	East/West line EAST	County EDDY	
			1	Hole Loc	l		rent From Sur				
UL or lot No.	Section	Township	Range	Lot Idn	Feet fro	om the	North/South line	Feet from the	East/West line	County	
	-	1							·····		
Dedicated Acre	s Joint o	or Infill Co	nsolidation -	Code Ore	der No.						
NO ALLO	WABLE W	VILL BE AS	SSIGNED	TO THIS	COMPLE	TION U	NTIL ALL INTER	ESTS HAVE BE	EN CONSOLIDA	ATED	
· · · · · · · · · · · · · · · · · · ·	<u>= = = + + + + + + + + + + + + + + + + +</u>	OR A N	ION-STAN	IDARD UN	IT HAS	BEEN	APPROVED BY	THE DIVISION			
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27.71 AC	RES							Signature	J. Brewen		
LOT 2											
								Printed Nam	e		
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28.40 ACF	RES							muc PRO	FESCAPON MICDONAL	D 12185	

Attachment to Exhibit #1 NOTES REGARDING THE BLOWOUT PREVENTERS Gold Star Federal #4 Eddy County, New Mexico

- 1. Drilling nipple to be so constructed that it can be removed without use of a welder through rotary table opening, with minimum I.D. equal to preventer bore.
- 2. Wear ring to be properly installed in head.
- 3. Blow out preventer and all fittings must be in good condition, 2000 psi WP minimum.
- 4. All fittings to be flanged.
- 5. Safety valve must be available on rig floor at all times with proper connections, valve to be full 2000 psi WP minimum.
- 6. All choke and fill lines to be securely anchored especially ends of choke lines.
- 7. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
- 8. Kelly cock on Kelly.
- 9. Extension wrenches and hands wheels to be properly installed.
- 10. Blow out preventer control to be located as close to driller's position as feasible.
- 11. Blow out preventer closing equipment to include minimum 40-gallon accumulator, two independent sources of pump power on each closing unit installation all API specifications.

MINIMUM 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

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MACK ENERGY CORPORATION



BEYOND SUBSTRUCTURE

			MINI	MUM REQL	IREMENT	5				
	1	3,000 MWP			5,000 MWP			10,000 MWP		
No.		1.D.	NOMINAL	RATING	LD.	NOMINAL	RATING	I.D.	NOMINAL	RATING
1	Line from drilling spool	-	3*	3,000		3"	5,000		3*	10,000
2	Cross 3"x3"x3"x2"			3,000			5,000			
-	Cross 3"x3"x3"x3"									10,000
э	Valves(1) Gate D Plug D(2)	3-1/8*		3,000	3-1/8*		5,000	3-1/8*		10,000
4	Valve Gate C Plug C(2)	1-13/16"		3,000	1-13/16"		5,000	1-13/18*		10,000
48	Valves(1)	2-1/16"		3,000	2-1/18*		5,000	3-1/8*		10,000
б	Pressure Gauge			3,000			5,000			10,000
8	Valves Gale C Plug D(2)	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		3.	10,000
11	Valves Gate D Plug D(2)	3-1/8*		3,000	3-1/8"		5,000	3-1/8*		10,000
12	Unas		3.	1,000		3*	1,000		3"	2,000
13	Lines		3″	1,000		3"	1,000	•	3*	2,000
14	Remote reading compound standpipe pressure gauge		-	3,000	•		5,000	•		10,000
15	Gas Separator		2'x5'			2'x5'			2'x5'	
18	Line		4*	1,000		4"	1,000		4*	2,000
17	Gate D . Valves Plug D(2)	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 10M.

(3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 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 8X. 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 be as straight as possible. Lines downstream from chokes shall make

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

2.000 psi Working Pressure

2 MWP

MACK ENERGY CORPORATION EXHIBIT #1-A

STACK REQUIREMENTS Min. Min. I.D. Nominal Item No Flowline 1 2" FIII up line 2 Drilling nipple 3 Annular preventer 4 Two single or one dual hydraulically 5 operated rams Drilling spool with 2" min. kill line and 64 2"Cheks 3" min choke line outlets 2" min. kill line and 3" mln. choke line 6b outlets in ram. (Alternate to 6a above.) Gale 🛛 3-1/8* 7 Valve Plug 🛛 3-1/8* Gate valve-power operated 8 3* Line to choke manifold 9 Gale 🛛 10 Valves 2-1/16" Plug D. 2-1/16" Check valve 11 Casing head 12 Gale 🛛 1-13/16* 13 Valve Plug 🛛 Pressure gauge with needle valve 14 2" Kill line to rig mud pump manifold 15



	OPTIONAL		
16 Flanged valve		1-13/18"	

CONTRACTOR'S OPTION TO FURNISH:

- 1. All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 2,000 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.
- 3.80P controls, to be located near drillers position.
- 4.Kelly equipped with Kelly cock.
- 5. Inside blowout prevventer or its equivalent on derrick floor at all times with proper threads to lit pipe being used.
 8. Kelly saver-sub equipped with rubber
- casing protector at all limes.
- 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 casinghead and side
- valves,

GENERAL NOTES:

- 1. 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 chore. 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, other 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 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 steet 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.



exhibit #1-a