		q	A. M. OR Cases			L.		
Form 3160-3 (December 1990)		ED STATES	SUBMIT IN AFIT SKOther Ins reverse	PLICATE	* Form approved. Budget Bureau Expires: Decem			
		T OF THE INTE LAND MANAGEME			5. LEASE DESIGNATION AND SERIAL NO. NM-29281			
APPL		L OR DEEPEN		6. IF INDIAN, ALLOTTEE (	OR TRIBE NAME			
a. TYPE OF WORK	LL 🛛	DEEPEN			7. UNIT AGREEMENT NAME			
b. TYPE OF WELL OIL WELL C	Gas OTHER		SINGLE MULTI ZONE ZONE	PLE	8. FARM OR LEASE NAME, WELL Schley Fede	LNO. 2236		
Mack Energy Corp	poration	13837	1		9. API WELL NO.			
Address and telephone no P.O. Box 960, Arte	esia, NM 88211-0960	(505) 748-128	38		30-015-30301 10. FIELD AND POOL, OR WILDCAT			
I. LOCATION OF WEL At surface	L (Report location clearly a	and in accordance with an	y state requirement.*)			Yeso 96610		
At proposed prod. zo		1650 FSL 990 FWL	•		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA			
	ND DIRECTION FROM NEAR	1650 FSL 990 FWL			Sec 29 T17S R29E			
4. DISTANCE IN MILES A		West Loco Hills	-L*		Eddy	NM		
15. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE (Also to nearest dri	T LINE, FT.	330 <sup>16. No</sup>	D. OF ACRES IN LEASE 280		F ACRES IN LEASE HIS WELL	40		
18. DISTANCE FROM PROP TO NEAREST WELL, D OR APPLIED FOR, ON TH	OSED LOCATION* RILLING, COMPLETED HIS LEASE, FT.	19. PI	ROPOSED DEPTH 5800	20. ROTA	TARY OR CABLE TOOLS Rotary			
21. ELEVATIONS (Show	whether DF, RT, GR, etc. 3609 GR	SWELL CONTR	OLLED WATER	LED WATER BASIN 22. APPROX. DATE WORK WILL ST. 6/1/98				
3.		PROPOSED CASING AN	D CEMENTING PROGRA	м		, <u> </u>		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMEN			
					QUALITY OF CEMER			
17 1/2	13 3/8, K-55	54	280		Circ			
12 1/4 7 7/8	8 5/8, K-55 5 1/2, J-55	24 17	280 750 TD	ion for oil.	Circ Circ Sufficient to Cir	·		
12 1/4 7 7/8 Mack Ener be cemented. If not	8 5/8, K-55	24 17 a depth sufficient to will be plugged and	280 750 TD test the Abo format abandoned in a man butlined in the fo <b>IAR</b>	or consiste	Circ Circ Sufficient to Cir If productive, 5 1/2 ant with federal regu	" casing will lation.		
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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.

ROSWELL CONTROLLED WATER BALLS



DISTRICT I P.O. Box 1960, Hobbs, NM 88241-1980		State of New Mexico Energy, Minerals and Natural Resources Department						Form C-102 Revised February 10, 1994 Submit to Appropriate District Office			
DISTRICT II P.O. Drawer DD, Artesia, NM 86211-0719								State Lease - Fee Lease -	- 4 Copies		
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM	87410	OIL	CON		ATI Box 2	ON DIVIS	ION				
DISTRICT IV P.O. BOX 2086, SANTA FE, N.M. 87504-2088			Santa F			o 87504-2088		□ AMENDED	REPORT		
	Ţ	WELL LO	CATION	AND	ACREA	GE DEDICATI	ON PLAT				
API Number		9661	Pool Code		т	Loct Empire V	Pool Name				
Property Code		9001	<u> </u>	•	erty Nam	<u>East Empire Y</u> • Federal	eso	Well Number 2			
022367				Oper	ator Nam	e		Elevation			
013837			MACK E		CORF ce Loca			3609			
UL or lot No. Section	Township 17 S	Range 29 E	Lot Idn	Feet fro	om the	North/South line	Feet from the 990	East/West line WEST	County EDDY		
		Bottom	Hole Loo	cation	lf Diffe	rent From Sur	face				
UL or lot No. Section	Township	Range	Lot Idn	Feet fro	om the	North/South line	Feet from the	East/West line	County		
Dedicated Acres Joint or	Infill Co	onsolidation	Code Or	der No.							
NO ALLOWABLE WI		SSIGNED	TO THIS	COMPLE	TION I		DESTS HAVE DI		A (T) E D		
						APPROVED BY					
3612.5' - 3608. 990'0   3610.9' - 3605.							I hereb contained herei best of my know Signature Matt J. Printed Nam Geologio Title <u>5//3/2</u> Date SURVEYO I hereby certif on this plat u actual surveys supervison, a correct to th	cal Engineer	formation lete to the r r r r r r r r r r r r r r r r r r r		

# 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



			MINI	MUM REQL	IREMENTS	5				
	l	3,000 MWP			5,000 MWP			10,000 MWP		
No.		I.D.	NOMINAL	RATING	1.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING
1	Line from drilling spool		3*	3,000		3"	5,000		3"	10,000
<u> </u>	Cross 3"x3"x3"x2"			3,000			5,000			
2	Cross 3"x3"x3"x3"									10,000
3	Valves(1) Gale C Plug C(2)	3-1/8*		3,000	3-1/8*		5,000	3-1/8*		10,000
4	Valve Gate G Plug (2)	1-13/16"		3,000	1-13/16*		5,000	1-13/16*		10,000
44	Valves(1)	2-1/16*		3,000	2-1/16*		5,000	3-1/8*		10,000
5	Pressure Gauge			3,000			5,000			10,000
6	Valves Gate C Plug (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.	1	3,000	1*		5,000	2*		10,000
9	Line		3.	3,000		3*	5,000		3*	10,000
10			2.	3,000		2*	5,000		3*	10,000
11	Valves Gale C Plug C(2)	3-1/8*		3,000	3-1/8"		5,000	3-1/8*		10,000
12	Lines		3*	1,000		3*	1,000		3*	2,000
13	Lines		3*	1,000	1	3*	1,000	•	3*	2,000
13	Remote reading compound standpipe pressure gauge			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	Valves Gate C	3-1/8*	1	3,000	3-1/8*		5,000	3-1/8*		10,000

(1) Only one required in Class 3M.

(2) Gale 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, llanged 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 be as straight as possible. Lines downstream from chokes shall make - 43 -- 004 hands using bull plupged tees

### MINIMUM BLOWOUT PREVENTER REQUIREMENTS

#### 2.000 psi Working Pressure

2 MWP

### MACK ENERGY CORPORATION EXHIBIT #1-A

#### STACK REQUIREMENTS

Na.	liem		Min. L.D.	Min. Nominal
1	Flowline			
2	Fill up line			2"
3	Drilling nipple			
4	Annular preventer			
5	Two single or one dual hy operated rams	draulically		
64	Drilling spool with 2" min. 3" min choke line outlets	kill line and		2"Choks
60	2" min. kill line and 3" ml outlets in ram. (Alternate	n, choke ilne		
7	Valve	Gale C Plug C	3-1/8*	
8	Gate valve-power opera	ted	3-1/8"	
9	Line to choke manifold			3*
10	Valves	Gate 🗆 Plug 🕞	2-1/16"	
11	Check valve		2-1/16*	
12	Casing head			
13	Valve	Gale 🗆 Plug 🗆	1-13/16"	
14	Pressure gauge with need	die valve		
15	Kill line to rig mud pump i	manifold		2*



OPTION	AL
16 Flanged valve	1-13/18*
10 Flanged valve	

CONTRACTOR'S OPTION TO FURNISH:

- 1. All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 2,000 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.
- Inside blowout prevventer 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 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, littings, piping, etc., subject to well or pump pressure must be lianged (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.
- 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 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.



## MACK ENERGY CORPORATION EXHIBIT #1-A