			N. M. Oil Cons	Divisio		.U	
Form 316(3 (December 1990)		TED STATES	ARTESIA (9145-17	LICAT	E* Form approved. Budget Bureau ! Expires: Decemi		
		NT OF THE INT			5. LEASE DESIGNATION A		
	BUREAU OF	F LAND MANAGE	MENT		NM-1484	10	
APPL	ICATION FOR P	ERMIT TO DR	RILL OR DEEPEN		6. IF INDIAN, ALLOTTEE O	R TRIBE NAME	
Ia. TYPE OF WORK DR b. TYPE OF WELL	NILL 🛛	DEEPEN			7. UNIT AGREEMENT NAM	ME	
	Gas OTHER		SINGLE MULT ZONE ZONE	IPLE	8. FARM OR LEASE NAME, WELL White Star Fed	00010	
Mack Energy Cor		13837	7		9. API WELL NO.		
ADDRESS AND TELEPHONE N			1		30-015-303	04	
	esia, NM 88211-0960	(505) 748-			10. FIELD AND POOL, OR East Empire	WILDCAT	
At surface	LL (Report location clearly				11. SEC., T., R., M., OR BL	<u>Yeso 96610</u>	
At proposed prod. zo	one	1650 FSL 1650 FE	• • • •	÷.	AND SURVEY OR AREA		
		1650 FSL 1650 FI			Sec 29 T17S R29E		
4. DISTANCE IN MILES A	AND DIRECTION FROM NEAR	rest town or post of s West of Loco Hill		-	12. COUNTY OR PARISH		
15. DISTANCE FROM PROF	POSED*		6. NO. OF ACRES IN LEASE		Eddy	NM	
PROPERTY OR LEASE (Also to nearest dr	E LINE, FT. rlg. unit line, if any)	330	280	тот	DF ACRES IN LEASE HIS WELL 4	)	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.       660       1         21. ELEVATIONS (Show whether DF, RT, GR, etc.)       1			9. PROPOSED DEPTH 5800	20. ROTA	20. ROTARY OR CABLE TOOLS Rotary		
		CONTROLLED	WATER BASHN		22. APPROX. DATE WORK W 7/10/98		
3.			AND CEMENTING PROGRA		//10/90	•	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT		
17 1/2	K-55,13 3/8	48	300		Circ	·	
12 1/4	K-55, 8 5/8	24	800		So Circ		
7 7/8	J-55, 5 1/2	17	5800		Suff to Circ		
Mack Ener	rgy proposes to drill to	a depth sufficient	to test the Paddock and	d San And	tres formation for oil.	If	
	casing will be cemente						
	9	Production (					
with federal regulat							
with federal regula	tion. Specific program	is as per Onshore (	Dil and Gas Order #1 a <b>PIECT TO</b>		d in the following atta	chments:	
	tion. Specific program	is as per Onshore (	Dil and Gas Order #1 a <b>PIECT TO</b>		d in the following atta	chments:	
with federal regular <u>Drilling Program</u> Surface Use & Op	tion. Specific program	APPROVAL SUE	Oil and Gas Order #1 a BJECT TO DUIREMENTS AND	re outline	d in the following atta	chments:	
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*See	Instructions	On	Reverse	Side

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.

DISTRICT I			2 ·		State	of Ne	w Mexice		For	m C-102
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DISTRICT IV p.o. box 2088, sant	'A FE, N.M. 87	504-2088		Santa F			o 87504 <b>-20</b> 88		AMENDED	REPORT
			WELL LC	CATION	AND	ACREA	GE DEDICATI	UN PLAT	*****	
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Dedicated Acre	s Joint o	r Infill Co	nsolidation (	Code Or	ler No.					
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	3					I			al Engineer	
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					I				SILT STRANGER	

# Attachment to Exhibit #1 NOTES REGARDING THE BLOWOUT PREVENTERS White Star Federal #2 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



MINIMUM REQUIREMENTS 10,000 MWP 3.000 MWP 5.000 MWP NOMINAL RATING 1.0. NOMINAL RATING I.D. NOMINAL RATING I.D. No. 3\* 10,000 3\* 3,000 3\* 5,000 Line from drilling spool 1 3,000 5,000 Cross 3"x3"x3"x2" 2 10,000 Cross 3"x3"x3"x3" Valves(1) Gale 3-1/8\* 10,000 3-1/8" 5,000 3-1/8\* 3.000 3 Plug (2) Gate 🗔 1-13/18\* 10.000 3,000 1-13/16\* 5.000 1-13/16\* 4 Valve Plug (2) 3,000 2-1/16\* 5.000 3-1/8" 10,000 2-1/16" Valves(1) 4a 10,000 3,000 5.000 Pressure Gauge 5 Gate C 10,000 3-1/8\* 3,000 3-1/8" 5,000 3-1/8\* 8 Valves Plug (2) 2. 5,000 2\* 10,000 3,000 Adjustable Choke(3) 2\* 7 2. 10,000 1" 3,000 1" 5,000 8 Adjustable Choke 10.000 3,000 3\* 5,000 3\* 3. Line 9 2\* 2\* 5,000 3. 10,000 3,000 10 Line Gale 🗆 3,000 3-1/8" 5,000 3-1/8\* 10,000 3-1/8" Valves 11 Plug (2) 3. 1,000 3. 1,000 3" 2.000 Lines 12 3\* 1,000 31 2,000 3" 1,000 13 Lines Remote reading compound 10.000 3,000 5,000 14 standpipe pressure gauge 2'x5' 2'x5' 2'x5' 15 Gas Separator 2,000 4\* 1,000 4\* 1,000 4\* Line 16 Gate 🗍 10,000 3.000 3-1/8\* 5 000 3-1/8\* 3-1/8" 17 Valves Plug (2)

(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 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

## MINIMUM BLOWOUT PREVENTER REQUIREMENTS

### 2,000 psl Working Pressure

2 MWP

# MACK ENERGY CORPORATION EXHIBIT #1-A

## STACK REQUIREMENTS

ltem		Min. t.D.	Min. Nominal
Flowline			
Fill up line			2"
Drilling nipple			
Annular preventer			l
Two single or one dual hy operated rams			
Drilling spool with 2" min. 3" min choke line outlets		2"Choks	
2" min. kill line and 3" mi outlets in ram. (Alternate			
Valve	Gale 🗆 Plug 🗆	3-1/8"	
Gate valve-power opera	ted	3-1/8"	
Line to choke manifold		3*	
Valves	Gate 🗆 Plug 🗅	2-1/16*	
Check valve		2-1/16"	
Casing head			
Valve	Gale 🗆 Plug 🗅	1-13/16*	
Pressure gauge with need	lle valve		
		2"	
	Flowline Fill up line Drilling nipple Annular preventer Two single or one dual hy operated rams Drilling spool with 2" min. 3" min choke line outlets 2" min. kill line and 3" min outlets in ram. (Alternate Valve Gate valve—power opera Line to choke manifold Valves Check valve Casing head Valve Pressure gauge with need	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         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       Plug □         Check valve       Casing head         Valve       Gate □	Item     I.D.       Flowline

CONFIGURATION A
ANNULAR PREVENTER
BLIND RAMS

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 psl, 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 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.
- 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.
- 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.
- 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.
- 9 All seamless steel control piping ( Z 000 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