· IN	. M. Oil Cons. Di	VISION		. ~			
	811 S. 1ST S	224	SUBMIT IN TR	RIFLICATE*	Form approved.	0	
`orm 3160-3 December 1990)	ARTESIA, NM 88210-2		(Other Instru	ctions on	Budget Bureau	No. 1004-0136 U	
		TED STATES	reverse s	ide)	Expires: December 31, 1991		
	DEPARIME	NT OF THE INTER	CIOR	[5. LEASE DESIGNATION	AND SERIAL NO.	
	BUREAU O	F LAND MANAGEMEN	IT		LC-02873	1-A	
AP	PLICATION FOR F	ERMIT TO DRILL	OR DEEPEN		6. IF INDIAN, ALLOTTEE	OR TRIBE NAME	
. TYPE OF WORK	DRILL 🛛	DEEPEN	6-27-97 -	1	7. UNIT AGREEMENT NA	ME	
OIL WELL	Gas OTHER		NGLE MULTIP	'LE{E	R FARMOR LEASE NAME, WEL		
NAME OF OPERATO	_	00A				eral 1 21134	
Mack Energy (837	PECEN		APIWELL NO	757	
ADDRESS AND TELEPHO			TLULIV		<u> 10-019-21</u>		
P.O. Box 960, 4	Artesia, NM 88211-0960	(505) 748-1288	8	' '		BEAR Gras	
LOCATION OF V At surface	WELL (Report location clearly	and in accordance with any 1750 FSL 990 FEL	state requir 3 27	97	11. SEC., T., R., M., OR B AND SURVEY OR AR	LK. Dran Abo	
At proposed prod	1. zone AI	1750 ESL 000 EEL	:		Sec 22 T17S	R29E	
		1750 FSL 990 FEL	ROS		12. COUNTY OR PARISH		
		rest town or post office les West Loco Hills	y-		Eddy	NM	
5. DISTANCE FROM	AREST	330 16. NO.	OF ACRES IN LEASE 320	17. NO OF A TO THIS	ACRES IN LEASE Well	10	
PROPERTY OR LE (Also to neares	t drlg. unit line, if any)			10 DOT IN		10	
TO NEAREST WEL	PROPOSED LOCATION* LL, DRILLING, COMPLETED	330 19. PRC	6500	20. RUTARY	OR CABLE TOOLS Rotary		
OR APPLIED FOR, O	ON THIS LEASE, FT.			l	•		
. ELEVATIONS (S	how whether DF, RT, GR, etc.) 3562' GR				22. APPROX. DATE WORK 8/1/9		
•		PROPOSED CASING AND	CEMEROBS MEDICEA	8014110	AND WATER	BASHN	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMEN	T	
17 1/2	13 3/8, K-55	48	300		Circ	WITNESS	
12 1/4	8 5/8, K-55	24	800		Circ		
7 7/8	5 1/2, J-55	17	6500		Sufficient to Cir	·c.	
					with federal regul		
programs as pei	r Onshore Oil and Gas C	will be plugged and ab Order #1 are outlined in	the following atta A	RRGVAL	SUBJECT TO REQUIREMENTS		
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APPROVED B		í.e.	350h mi	ADM: MINERALS	DAT	7-25-41
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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 wilifully 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

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P.O. Bez 1980, Hobbs, MM 06241-1980

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Astec, NM 57410

DISTRICT IV P.O. Box 2086, Santa Fe, NM 87504-2088

API Number

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

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OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT Much Т Pool Code Pool Name

	5-29	757		4980	ind.	EAR Gras	C Drawl	Abd		
Property	Code	1		1700	Property Nam		S	Well Nur	nber	
				ł	PINON FEDER	RAL		1		
OGRID N	0.				Operator Nam	ae		Elevati	on	
013837				MACK	ENERGY CO	RPORATION		3562	3562	
<u>_</u>					Surface Loc	ation				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
1	22	17 S	29 E		1750	SOUTH	990	EAST	EDDY	
	L		Bottom	Hole Loo	cation If Diffe	erent From Sur	face	·	.	
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acre 40	s Joint o	or Infill Co	nsolidation	Code Or	der No.	J	I	I		
NO ALLA	OWABLE 1		SSIGNED			INTIL ALL INTER APPROVED BY		EEN CONSOLID	ATED	
	۲ ا	<u> </u>			·	····	OPERAT	OR CERTIFICA	TION	
	- 1				1		E I	ny certify the the ta	•	

		I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
		Signature
		Crissa D. Carter Printed Name
		Production Clerk
		<u>6/27/97</u> Date
		SURVEYOR CERTIFICATION
		I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my
	3563.0'3568.6'	supervison, and that the same is true and correct to the best of my babief.
	3556.3' 3560.8'	JUNE 17, 1997 Date Surveyed JLP Signature Station JLP
		Professional Surveyor
		Certificatio. No. JOHN 1241 Certificatio. No. JOHN 12415T. 676 Hill OFFEGEN EDSON, 3239 HILL OFFEGEN EDSON, 12641

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

2.,000 psi Working Pressure

2 MWP

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



OPT	IONAL	
16 Flanged valve	1-13/16"	

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.
- 3.80P 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.
- 2.Wear bushing, if required.

GENERAL NOTES:

- Deviations from this drawing may be made only with the express permission of MEC's Dritting 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 cho're. 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 datay changing of choke beans. Replaceable parts for adjustable choke, other bean sizes, retainers, and choke wrenches to be conveniently located for immediate use.
- All values 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.

(12)

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CASING

(16

- Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
- 9.All seamless steel control piping (Z000 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

MACK ENERGY CORPORATION



MACK ENERGY CORPORATION EXHIBIT #1-A

Attachment to Exhibit #1 NOTES REGARDING THE BLOWOUT PREVENTERS Pinon Federal #1 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 W.P. 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 W.P. 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 hand 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



BEYOND SUBSTRUCTURE

			MINI	MUM REQL	JIREMENT	S					
	1	3,000 MWP 5,0							10,000 MWP		
No.		LD.	NOMINAL	RATING	1.D.	NOMINAL	RATING	1.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	
3	Valves(1) Gate D Plug D(2)	3-1/8*		3,000	3-1/8*		6,000	3-1/8*		10,000	
4	Vaive Gate C Plug (2)	1-13/16"		3,000	1-13/16*		5,000	1-13/18*		10,000	
4a	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	
8	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*		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 C Plug D(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		3*	1,000	•	3*	2,000	
14	Remote reading compound standpipe pressure gauge			3,000			5,000	·		10,000	
16	Gas Separator		2'x5'			2'x5'			2'x5'		
16	Line		4*	1,000		4*	1,000		4*	2,000	
17	Gate C Valves Plug C(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 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 turns by large bends or 90° bends using bull plugged tees.