	· .17	TED STATE	s '	N. M. Oiler	verse	13:00 Budget Bi Expires: 1) ecem ber 31, 1991
·,	DEPARTMEN		-	NUK	S. 1ST ST. NM 88210-260	-	ATION AND SERIAL NO.
	BUREAU OF LAND MANAGEMENT				LC-028731-A		
APPLICATION FOR PERMIT TO DRILL OR DEEPEN				EN	6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
	ш⊠	DEEPEN		JP	11/17/97	7. UNIT AGREEM	ENT NAME
	TYPE OF WELL OIL Gas Well OTHER SINGLE MULTIPLE D				8. FARMOR LEASE NA	111-	
2. NAME OF OPERATOR Mack Energy Corporation 12827						9. API WELL NO	Federal #4
ADDRESS AND TELEPHONE NO		1280		<u></u> _,	<u> </u>	31-115	- 311 211
P.O. Box 960, Arte	sia, NM 88211-0960	(505) 7	48-128	8		10. FIELD AND PO	,
	L (Report location clearly :	and in accordance	with any	state requirement	•)		oire Yeso
At surface 990 FNL & 680 FEL				040EN	ED	11. SEC., T., R., M AND SURVEY	OR AREA
		990 FNL & 68			KIF 21.	12. COUNTY OR F	T17S R29E
	ND DIRECTION FROM NEAR	EST TOWN OR POS				Eddy	PARISH 13. STATE NM
DISTANCE FROM PROPO LOCATION TO NEARES PROPERTY OR LEASE (A lso to nearest dr)	Г LINE, FT.	640	16. NO.	OF ACRES IN LEASE		OF ACRES IN LEAS THIS WELL	е 40
DISTANCE FROM PROPO TO NEAREST WELL, DR OR APPLIED FOR, ON TH	DSED LOCATION* ALLING, COMPLETED	1138	19. PRC	DPOSED DEPTH 5000	20. ROT.	ARY OR CABLE TOOL Rotar	
	hether DF, RT, GR, etc.)		4		•		WORK WILL START*
······································	3573 GR						2/26/97 WATER BASI
i.		PROPOSED CASI	ING AND	CEMENTING R		UNINULLU	HULL DIG
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		+ <u> </u>	<u>00</u> T	SETTING DEPT	гн	QUANTITY OF	CEMENT
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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. DISTRICT I P.O. Bax 1980, Hobbs, NM 88241-1980

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

DISTRICT III 1000 Rio Brazos Ed., Axteo, NM 87410

DISTRICT IV P.0. Box 2088, Santa Fe, NM 87504-2088 State of New Mexico

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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

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

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Arl Number Pool Code Pool Name							
Property Code Empire Yeso Property Name							
21134 PINON FEDERAL Well	Well Number						
OGRID No. Operator Name Pla	4						
	73						
Surface Location							
UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line	ne County						
A 22 17 S 29 E 990 NORTH 680 EAST	EDDY						
Bottom Hole Location If Different From Surface							
UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West li	e County						
	COULT						
Dedicated Acres Joint or Infill Consolidation Code Order No.							
40							
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOL OR A NON-STANDARD UNIT HAS BEEN ADDROUTED DV	IDATED						
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION							
OPERATOR CERTIFIC							
	11						
I hereby certify the the contained herein is true and co	information mplete to the						
3575.4' 3575.8' best of my knowledge and belief.							
0-+680' MILO							
L_J Jatt Known							
Printed Name							
Engineer Title	ill						
<u>11-13-97</u>	· · · · · · · · · · · · · · · · · · ·						
Date							
SURVEYOR CERTIFIC	ATION						
I hereby certify that the well low	ation shown						
on this plat was plotted from s actual surveys made by me o	wader my						
supervison, and that the same correct to the best of my be	t true and						
	ч у .						
OCTOBER 27, 1							
Date Surveyed	JLP						
Professional Surveyor							
	10-31-97						
W.O. Kum. 07-1	730						
Contrationate No. RONALD S FID	ON, 3239						
ARD PROFESSION	DN. 12641 LD, 12185						

Attachment to Exhibit #1 NOTES REGARDING THE BLOWOUT PREVENTERS Pinon 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 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.



			MINI	MUM REQU	JIREMENT	S			****	
	1	3.000 MWP			T	5,000 MWP		10,000 MWP		
No.		1.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"x3"x3"x2"			3,000			5,000			
	Cross 3"x3"x3"x3"									10,000
3	Valves(1) Gate [] Plug [](2)	3-1/8"		3,000	3-1/8*		5,000	3-1/8*		10,000
4	Valve Gate C Plug C(2)	1-13/18*		3,000	1-13/18"		5,000	1-13/18*		10,000
44	Valves(1)	2-1/18"		3,000	2.1/18*	[5,000	3-1/8"		10,000
5	Pressure Gauge			3,000			5,000			10,000
8	Valves Gale 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	5.		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	Gate [] Valves Plug [](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
15	Gas Separator		2'x5'			2'x5'			2'x5'	
16	Line		4*	1,000		4"	1,000		4*	2,000
17	Valves Gate [] . Plug [](2)	3-1/8*		3,000	3-1/8*		5,000	3-1/8*		10,000

BEYOND SUBSTRUCTURE

(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 railing.
- 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.
- 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 buil plugged tess.

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

2.,000 psi Working Pressure

2 MWP

STACK REQUIREMENTS

No.	ltem		Min. I.D.	Min. Nominal
1	Flowline			
2	FIII up line			2"
3	Drilling nipple			
4	Annular preventer			
5	Two single or one dual h operated rams	ydraulically		
6a	Drilling spool with 2" mir 3" min choke line outlets			2"Choks
6b	2" min. kill line and 3" m outlets in ram. (Alternate			
7	Valve	Gate 🗆 Plug 🗅	3-1/8*	
8	Gale valve-power opera	led	3.1/8"	1
9	Line to choke manifold		1	3*
10	Valves	Gate 🗆 Plug 🖸	2-1/16"	
11	Check valve		2-1/18"	
12	Casing head			
13	Valve	Gate 🗆 Plug 🗆	1-13/18*	
14	Pressure gauge with need	le valve		
15	Kill line to rig mud pump n	anifold		2*



			OPTIONAL		
Ľ	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 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.
- 8.Kelly saver-sub equipped with rubber casing protector at all times.
- 7.Plug type blowout preventer tester.
- 8.Extra set pipe rams to lit 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:

- 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 lianged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through cho"e. 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 U\$8.
- 6. Choke lines must be suitably anchored.

- 7.Handwheels and extensions to be connected and ready for use.
- 8. Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
- 9 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



MACK ENERGY CORPORATION EXHIBIT #1-A