÷.		X	NC	Arre	SIA		(
Form 3160-3 (December 1990)				SØBNIT IN (Other Inst. reverse	LICATE .òns on side)	* Form approved. Budget Bureau I Expires: Decem		
	DEPARTMEN	IT OF THE	NIER	IUR		5. LEASE DESIGNATION A	ND SERIAL NO.	
	BUREAU OF	' LAND MANA	GEMEN	т		LC-02902	0G	
APPL	ICATION FOR P	ERMIT TO	DRILL	OR DEEPEN		6. IF INDIAN, ALLOTTEE C	OR TRIBE NAME	
1a. TYPE OF WORK DR b. TYPE OF WELL		DEEPEN				7. UNIT AGREEMENT NAM	ME 74	
OIL WELL	Gas Well OTHER		SIN	IGLE MULTI		8. FARM OR LEASE NAME, WELL	NO.	
2. NAME OF OPERATOR						Dexter Federal-#9		
Mack Energy Cor	poration	1387	7	614	2	9. API WELL NO.		
3. ADDRESS AND TELEPHONE N	0.	,	/	1996		30-015-30	328	
P.O. Box 960. Art	esia, NM 88211-0960	(505)	748-128	38 54		10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF WEI	Loco Hills Paddock 967							
At surface	· ·	1980 FSL 430		i de la companya de la compan Companya de la companya		11. SEC., T., R., M., OR BI AND SURVEY OR ARE		
At proposed prod. zo	IT I	1980 FSL 430) FEL			Sec 22 T17S	R30E	
14. DISTANCE IN MILES A	ND DIRECTION FROM NEAF	EST TOWN OR POS	T OFFICE	*		12. COUNTY OR PARISH	13. STATE	
	1.0 mil	e East Loco Hi	lls			Eddy	NM	
15. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE	ST	430	16. NO. 0	DF ACRES IN LEASE 120		F ACRES IN LEASE IS WELL 4	0	
18. DISTANCE FROM PROP	POSED LOCATION* RILLING, COMPLETED	195	19. PRO	POSED DEPTH 5500	20. ROTAR	y or cable tools Rotary		
21. ELEVATIONS (Show		WELL CONT	ROLL	ED WATER BA	sin	22 APPROX. DATE WORK W 9/27/98		
23.		PROPOSED CASI	ING AND	CEMENTING PROGRA	М			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER F	оот	SETTING DEPTH		QUANTITY OF CEMENT		
17 1/2	K-55,13 3/8	48		450	TNES	Circ		
12 1/4	K-55, 8 5/8	24		1040		Circ		
7 7/8	J-55, 5 1/2	17		5500		Suff to Circ		

Mack Energy proposes to drill to a depth sufficient to test the Paddock and San Andres formation for oil. If productive, 5 1/2" casing will be cemented. If non-productive, the well will be plugged and abandoned in a manor consistent with federal regulation. Specific programs as per Onshore Oil and Gas Order #1 ars or sliped infibe following attachments:

Drilling Program	GENERAL HEQUINEMENTON SPECIAL STIPULATIONS	Past ID-1 7-10-98
Surface Use & Operating Plan	Exhibit #47-10 bel Mile Radius Map	7-10-98
Exhibit #1 & 1A - Blowout Preventer Equipment	Exhibit #5 - Production Facilities Layout	API + Loc
Exhibit #2 - Location and Elevation Plat	Exhibit #6 - Location Layout	
Exhibit #3 - Planned Access Road	Exhibit #7 - H2S Drilling Operations Plan	

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

signed	f. Brewer	TITLE Geological Engineer	DATE5/04/98
(This space for Fe	ederal or State office use)		
PERMIT NO.		APPROVAL DATE	
Application approval d	oes not warrant or certify that the applicant ho	lds legal or equitable title to those rights in the subject lease which w	yould entitle the applicant to conduct operations thereo
CONDITIONS OF APPR	OVAL, IF ANY:		
()R	ig. Sgd.) Armando a. Lopez	TITLE LEPPOS & Mindaks	JUN 3 0 19 98

	TITLE	- LEPOS N	MUNCAAL	DATE	19
*See	Instru	ictions On Reve	rse 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, flctitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I

DISTRICT II

DISTRICT III

DISTRICT IV

1

" P.O. Box 1980, Hobbs, NM 86241-1980

P.O. Drawer DD, Artesia, NM 86211-0719

1000 Rio Brazos Rd., Aztec, NM 87410

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexic.

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

API Number	Pool Code	· · · · · · · · · · · · · · · · · · ·		Pool Name-					
	96718	96718 Loco Hills Pad				ddock			
Property Code 006074	DEX	Property Name TER FEDERAL			Well Num 9	ıber			
OGRID No. 013837	MACK EN	Operator Name ERGY CORPORA	TION	1 7 <u>2</u> 7 69	Elevation 3654				
		Surface Location							
UL or lot No. Section Townshi		Feet from the North	South line	eet from the	East/west line	County			
I 22 17 S	30 E	1980 S	SOUTH	430	EAST	EDDY			
****	Bottom Hole Locat	tion If Different	From Surfac	e					
UL or lot No. Section Townshi	p Range Lot Idn 1	Feet from the North	South line F	eet from the	East/West line	County			
Dedicated Acres Joint or Infill	Consolidation Code Order	No.			·				
NO ALLOWABLE WILL BE	ASSIGNED TO THIS CO	MPLETION UNTIL	ALL INTERES	TS HAVE BE	EN CONSOLIDA				
	NON-STANDARD UNIT					·			
APP 2.2	3659.8'	TAIL 3660.3' 		I hereby contained herein best of my know Matt Signature Matt J. Printed Nam Geologi Title 4/28/98 Date SURVEYO I hereby certify on this plat un actual surveys supervison an correct to th Date Surveys	cal Enginee	formation ete to the r r r r r r r r r r n on shown t notes of under my true and			

Attachment to Exhibit #1 NOTES REGARDING THE BLOWOUT PREVENTERS Dexter Federal #9 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

MACK ENERGY CORPORATION EXHIBIT #1-A



BEYOND SUBSTRUCTURE

		<u>.</u>	MINI	MUM REQU	REMENTS	3				
	r		3.000 MWP		5,000 MWP			10,000 MWP		
		1.D.	NOMINAL	RATING	1.D.	NOMINAL	RATING	1.D.	NOMINAL	RATING
No.	Line from drilling spool		3*	3,000	_	3*	5,000		3*	10,000
	Cross 3"x3"x3"x2"			3,000			5,000			
2	Crass 3"x3"x3"x3"									10,000
3	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 Piug (2)	1-13/16"		3,000	1-13/16"		5,000	1-13/18*		10,000
48	Valves(1)	2-1/16"	1	3,000	2.1/16"		5,000	3-1/8*		10,000
	Pressure Gauge			3,000			5,000			10,000
6	Valves Plug (2)	3-1/8*		3,000	3-1/8*		5,000	3-1/8*		10,000
. 7	Adjusiable Choke(3)	2*		3,000	2*		5,000	2*		10,000
8	Adjustable Choke	1.		3,000	1″		5,000	2*		10,000
	Line		3*	3,000		3"	5,000		3*	10,000
10	Line		2"	3,000		2*	5,000		3.	10,000
11	Gale [] Valves Plug [](2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8*		10,000
			3.	1,000		3*	1,000		3*	2,000
12			3"	1,000		3"	1,000	·	3″	2,000
13 14	Lines Remote reading compound standpipe pressure gauge			3,000			5,000	•		10,000
15	Gas Separator	-	2'x5'			2'x5'			2'×5'	
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 velves 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.

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

2,000 psi Working Pressure

2 MWP

MACK ENERGY CORPORATION EXHIBIT #1-A

STACK REQUIREMENTS Min. Min. Nominal 10. Item No. Flowline 1 2" Fill 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 2"Cheks 6a 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 Vaiva Plua 🖸 3-1/8" Gate valve-power operated 8 3″ Line to choke manifold 9 Gale 🛛 2-1/18* 10 Valves Plug D 2-1/16" Check valve 11 12 Casing head Gate [] 1-13/16" 13 Valve Plug 🛛 Pressure gauge with needle valve 14 2 Kill line to rig mud pump manifold 15



OPTION	\L
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 \$,000 psl, 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.
- 8.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 Drilling Manager.
- 2.All connections, valves, littings, 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.
- 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 (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.

