Form 3160-3 (December 1990)	UNI DEPARTMEN	بر مر ED STATE	S	(Other Instr reverse		* Form approved. Budget Bureau I Expires: Decem 5. LEASE DESIGNATION A	ber 31, 1991
	BUREAU OF	' LAND MANA	GEMEN	T		LC-02902	0G
APPL	ICATION FOR P	ERMIT TO	DRILL	OR DEEPEN		6. IF INDIAN, ALLOTTEE C	OR TRIBE NAME
b. TYPE OF WELL		DEEPEN		GLE MULT NE ZONE	IPLE	7. UNIT AGREEMENT NAN 8. FARM OR LEASE NAME, WELL	<u>74</u> NO.
2. NAME OF OPERATOR Mack Energy Cor	moration	1767	-7			Dexter Fede	ral # 7
3. Address and telephone n P.O. Box 960, Art	o. esia, NM 88211-0960		748-128	-		9. API WELL NO. 30 - 015 - 7 10. FIELD AND POOL, OR LOCO Hills Poul	
4. LOCATION OF WEI At surface At proposed prod. 20	ne	and in accordance 1980 FSL 165 1980 FSL 165	0 FEL	state requirement *) ≁ Mit Gift E Sin K :		11. SEC., T., R., M., OR BI AND SURVEY OR ARE Sec 22 T17S	.K. A
14. DISTANCE IN MILES A	ND DIRECTION FROM NEAR			n de la companya de l Interna de la companya		12. COUNTY OR PARISH	
DISTANCE FROM PROF		es East Loco H				Eddy	NM
15. LOCATION TO NEARES PROPERTY OR LEASE	ST LINE, FT. lg. unit line, if any)	330		DF ACRES IN LEASE	TO TH	F ACRES IN LEASE US WELL 4	0
	RILLING, COMPLETED	330	19. PROI	POSED DEPTH 5500	20. ROTAL	y or cable tools Rotary	
21. ELEVATIONS (Show	whether DF, RT, GR, etc.) 3652 ROSY	FELL CONT	RCLLE	D WATER OF	M 13	22. APPROX. DATE WORK W 9/07/98	
23.		PROPOSED CAS	NG AND	CEMENTING PROGRA	м		
SIZE OF HOLE	GRADE, SIZE OF CASHOG	weight per f	ΰότ	SETTING DEPTH		QUANTITY OF CEMENT	
17 1/2	K-55,13 3/8	48		450	meee	Circ	
12 1/4	K-55, <u>8 5/8</u>	24		1040	11NE OF	Circ	
7 7/8	J-55, 5 1/2	17		5500		Suff to Circ	
Mack Ener	rgy proposes to drill to	a depth suffic	ient to t	est the Paddock an	id San And	dres 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 #Fare blukket in the following attachments:

Drilling Program	SPECIAL STIPULATIONS				
Surface Use & Operating Plan	ATTACHED	Post ID-1 7-10-98			
Surface Use & Operating Flan	Exhibit #4 - One- Mile Radius Map				
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.

24. SIGNED Matt & Brewer	TTILE Geological Engineer	r DATE5/04/98

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY		34. t e	45302036	, з	tani.
-------------	--	---------	----------	-----	-------

Mands AFOM JUN 3 0 1998 TITLE *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 P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

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

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV P.O. BOX 2086, SANTA FE, N.M. 87504-2088 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

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

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number			967	Pool Cod	e	Pool Name Loco Hills Paddock				
Property Code					raduock	CK Well Number				
006074			Property Name DEXTER FEDERAL							
OGRID No).		• 		Operator Na			Elevatio		
013837				MACK	ENERGY COR	PORATION		JE 365:		
					Surface Loc	cation				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line-	Feet from the	the East/West line Cou		
J	22	17 S	30 E		1980	SOUTH	1650	EAST	EDDY	
L			Bottom	Hole I	Location If Diff	erent From Sur	face	1	J	
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acres	Joint o	or Infill	Consolidation	Code	Order No.			· · · · · · · · · · · · · · · · · · ·	.	
				Ì						
NO ALLO	WABLE V	VILL BE	ASSIGNED	TO THE	S COMPLETION	UNTIL ALL INTER	ESTS HAVE B	EEN CONSOLID	ATED	
		OR A	NON-STAN	DARD	UNIT HAS BEEN	APPROVED BY	THE DIVISION			
				T		·····			·	
							OPERAT	OR CERTIFICA	ΓΙΟΝ	
							1 hered	ny certify the the in	formation	
	1			-			contained here	in is true and compl	-	
					,		best of my kno	wledge and belief.		
					I					
	1						MIL			
	Matt J. Brewen									
							Matt J	. Brewer		
					1		Printed Nam	1e		
	I						Geolog	gical Engine	er	
n -							Title	,icui ingine		
u							4/28/9	8		
							Date			
				-			GUDUDU			
							-	OR CERTIFICAT	TION	
	1						I hereby certif	y that the well locat	ion shown	
						,.	on this plat u	as platted from field	d notes of	
					$-3662.7^{\circ} - 3654.7^{\circ}$		supervison	in that the store is	under my	
	ł				~ ≪ ++-	1650'	correct Fo	he best ME my . per	111	
	1				3644.4' 3638.3	،		St Con		
						,	AP	RILY 14 1098		
	1						Date Survey	ed	E DMCC	
	- +		<u> </u>			<u> </u>	- Signature &	Seal of Surveyor		
					i 1		1 0 400	Mon	ŧ.	
1					1980		Wa 1	Multimus and		
1							1 Senala	J. Glann	4-21-98	
				1			/ à	8-11-0580	1	
							/ e	p=11=0580	1	
							Certificate	, 	DN 3239	
							Certificate M	No. RONALD J. EIDSO GARY EIDSON MACON McDONAL	12641	

Attachment to Exhibit #1 NOTES REGARDING THE BLOWOUT PREVENTERS Dexter Federal #7 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

(16 MACK ENERGY CORPORATION 15 MUD PIT (13 н RESERVE PIT 17 6 (10) 2 "Location of separator options

BEYOND SUBSTRUCTURE

			MINI	NUM REOL	IREMENTS	5				
	Γ	3,000 MWP			5,000 MWP			10,000 MWP		the second s
No.		1.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING
110.	Line from drilling spool		3*	3,000		3*	5,000		3*	10,000
	Cross 3"x3"x3"x2"			3,000			5,000			
2	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 ⊡ Plug □(2)	1-13/16*		3,000	1-13/16"		5,000	1-13/18"		10,000
48	Valves(1)	2-1/18"		3,000	2-1/16"		5,000	3-1/8*		10,000
5	Pressure Gauge			3,000			5,000			10,000
6	Valves Gale C Plug D(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
- 0	Line		3*	3,000		3*	5,000		3*	10,000
10			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	Linas		3.	1,000		3*	1,000		3*	2,000
13	Lines		3*	1,000		3"	1,000	•	3"	2,000
14	Remote reading compound standplpe pressure gauge			3,000			5,000			10,000
15	Gas Separator		2'x5'			2'x5'			2'x5'	
18	Line		4"	1,000		4*	1,000		4"	2,000
17	Valves Gate [] Piug [][2]	3-1/8*		3,000	3-1/8*		5,000	3-1/8*		10,000

(1) Only one required in Class 3M.

EXHIBIT #1-A

(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 fianges 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 con-
- junction 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

No.	ltem		Min. I.D.	Min. Nominal
1	Flowline			
2	Fill up line			2"
3	Drilling nipple			
4	Annular preventer	· · · · · · · · · · · · · · · · · · ·		
5	Two single or one dual hyd operated rams	Iraulically		
6a	Drilling spool with 2" min. 3" min choke line autlets	kill line and		2"Choks
6b	2" min. kill line and 3" mlr outlets in ram. (Alternate to			
7	Valve	Gale 🗆 Plug 🗆	3-1/8"	
8	Gate valve-power operat	ed	3.1/8"	
9	Line to choke manifold			3*
10	Valves	Gate 🗆 Piug 🗅	2-1/16"	
11	Check valve		2-1/16*	
12	Casing head			
13	Valve	Gate 🗆 Plug 🗆	1-13/16"	
14	Pressure gauge with need	le valve		<u> </u>
15	Kill line to rig mud pump n	nanlfold	<u> </u>	2*

[0	PTIONAL		
	Elenged velve	1.	-13/16*	
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 psl, minimum.
- 2. Automatic accumulator (80 gailon, 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 lit 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:

- t.Bradenhead or casinghead and side valves. 2 Wear hushing, 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 flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through cho"s. 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 1118.
- 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