Form 3160-3 (December 1990)

Form approved. Budget Bureau No. 1004-0136 Expires: December 31, 1991

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

JP-3-26-97

5. LEASE DESIGNATION AND SERIAL NO.

	BUREAU OF	LAND MANA	GEMEN	IT	JP-3-20	-97	LC-	-054280	
APPLI	CATION FOR PI	ERMIT TO I	ORILI	ORD	EEPEN		6. IF INDIAN, ALLO	TTEE OR TRIBE NAM	
1a. TYPE OF WORK		DEEPEN	$\overline{\Box}$				7. UNIT AGREEME	INT NAME	
b. TYPE OF WELL		DECPEN						18784	
OIL G	as OTHER		SI	NGLE	MULTIPI ZONE	LE 🔲	8. FARMOR LEASE NAM	E, WELL NO	
. NAME OF OPERATOR							McInt	tyre A #11	
Mack Energy Corp	oration 13	837					9. API WELL NO	- 1000:	
. ADDRESS AND TELEPHONE NO					≥3. 3 9 3	120	30-015	-29905	
P.O. Box 960, Arte	sia, NM 88211-0960	(505) 7	48-128	8	12 3 S	282930	10. FIELD AND PO	ol, or wildcat rg Paddock	
. LOCATION OF WELL	L (Report location clearly a	and in accordance	with any	state requ	(Pement.*)	· O	F > \	. 	
	14/	1650 FSL 990	FEL /	PT/E	TOOT 1	997	AND SURVEY	, OR BLK. 292 or AREA	
At proposed prod. zon	· W.I	FEL	22/2			1 . 1	T17S R30E		
A DISTANCE IN MILES AN	ID DIRECTION FROM NEAR			350	RECEI		ι ω ι	ARISH 13. STATE	
, DISTRICE IN MIDES III		North Loco H		. (518)	OCD - AF	HESIA	Eddy	NM	
5 . DISTANCE FROM PROPO LOCATION TO NEARES	OSED*		16. NO.	OF ACRES	LEASE	17. NO Q	FACRES IN LEASI	E	
PROPERTY OR LEASE	LINE, FT.	330		80	3/5/ A	TOOT	IXS WELL	40	
(A Iso to nearest dri B. DISTANCE FROM PROPO	OSED LOCATION*		19. PR(POSED DEI	TH PIELS	20. ROTAL	RY OR CABLE TOOLS		
TO NEAREST WELL, DR OR APPLIED FOR, ON TH		330		5500)		Rotary	y	
I. ELEVATIONS (Show w					•		22. APPROX. DATE V	WORK WILL START*	
	3635 GR						4	/31/97	
		PRC POSED CASI	NG AND	CEMENT	NG PROCE	acu. (o wayer b	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO		SETTING DEPTH			QUANTITY OF CEMENT		
12 1/4	K-55, 8 5/8	24		450			MINESS Circ		
7 7/8	J-55, 5 1/2	17		5	500		Suff to Circ		
,	asing will be cemented ion. Specific program	-			Order #1 are	APPRO		Chments:	
Drilling Program							AL NEGUINEI L STIPULATION		
Surface Use & Ope	erating Plan			Exhibit #4 - One- Mile Radius Map					
Exhibit #1 & 1A -	Blowout Preventer Ed	quipment		Exhibit #	5 - Producti	on Facili	ties Layout	11-1-1	
Exhibit #2 - Locati	on and Elevation Plat	t		Exhibit #5 - Production Facilities Layout 11 - 1 - 9 Exhibit #6 - Location Layout					
Exhibit #3 - Planno	ed Access Road			Exhibit #	7 - H2S Dri	ling Ope	rations Plan		
	E PROPOSED PROGRAM: I nent data on subsurface location							e. If proposal is to dril	
. (71								
SIGNED (LLD)	a D. Catte	TITL	.E	P	roduction Cle	'k	DATE	3/26/97	
(This space for Feder	al or State office use)								
PERMIT NO.				PPROVAL I	DATE				
	ot warrant or certify that the ap								
APPROVED B (UFI)	. 3GD - JOHN 5. 3	im tz	ř		MINERAL	LS	DAT / (-)	- 23' 47	
AFPROYED B		TITLE	<u></u>		O' 1		DAI		

DISTRICT I P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Departmen.

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

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

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

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

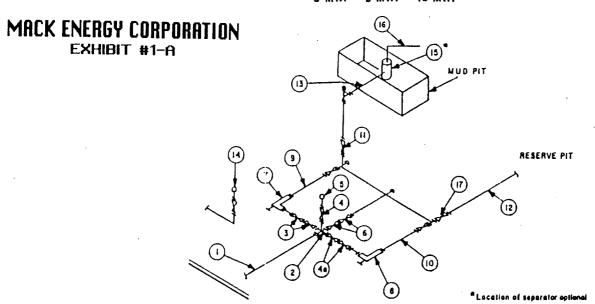
API Number Pool Code Pool Name									
3/1-1	3/2-1/15-299/13 29260 Grayburg Paddock							. <u> </u>	
Property Code			Property Name					Well Number	
018384	McINTYRE A 11								
Value 1				Operator Nam					
013837	MACK ENERGY CORPORATION						3635'		
					Surface Loc	ation			
UL or lot No.	Section	Township	Range	lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	20	17 S	30 E		1650	SOUTH	990	EAST	EDDY
	J	.1	· · ·		i le Dice	A Franc Syr	food		

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 line	County
	· · · · · · · · · · · · · · · · · · ·			1 1 0	Z NT -	<u> </u>		<u> </u>	l
Dedicated Acres	Joint o	r Infill Co	nsolidation (Joile Ur	der No.				

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

		OPERATOR CERTIFICATION
1		I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
	:	Signature
		Crissa D. Carter
		Production Clerk
		1 3 26 7/ Date
		SURVEYOR CERTIFICATION
	3635.5'3637.5'	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 supervison, and that the same is true and correct to the best of my belief.
	3630.1' 3634.0'	DECEMBER 30, 1996 Date Surveyed CDG Signature & Seal of Professional Surveyor
	650'	Small 1-8 1/2 3 14-97
		Certificate No. JOHN W. WEST 676 RONALD JEDSON 3239 OF GARY FOSON 12641

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

Γ			MINI	MUM REQL	JIREMENT	S				
		3,000 MWP			5,000 MWP			10,000 MWP		
No.		I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING
	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	Vaives(1) Gate □ Plug □(2)	3-1/8*		3,000	3-1/6*		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
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 □ Plug □(2)	3-1/8"		3,000	3-1/6"		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
8	Line		3*	3,000		3*	5,000		3*	10,000
10	Line		2*	3,000		2*	5,000		3.	10,000
11	Valves Gale □ 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
16	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

- (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.
- 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 bull plugged tees.

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

2,000 psi Working Pressure

2 MWP

MACK ENERGY CORPORATION EXHIBIT #1-A

CONFIGURATION

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 hy operated rams	ydraulically		
6a	Drilling spool with 2" min 3" min chake line autlets			2"choks
6b	2" min. kill line and 3" m outlets in ram. (Alternate			
7	Vaive	Gale □ Plug □	3-1/8*	
8	Gale valve-power opers	ted	3-1/8*	
9	Line to choke manifold			3*
10	Valves	Gale □ Plug □	2-1/18"	
11	Check valve		2-1/16"	
12	Casing head			
13	Valve	Gale □ Plug □	1-13/18*	
14	Pressure gauge with need	le vaive		
15	Kill line to rig mud pump n			2*

(2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
ANNULAR PREVENTER 4
BLIND RAMS PIPE RAMS (B) (B) (C) (B) (C) (B) (C) (C)
ORILLING POOL CASING HEAD HEAD
(8) CASING (2)

OPTIONAL							
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.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.
- 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.

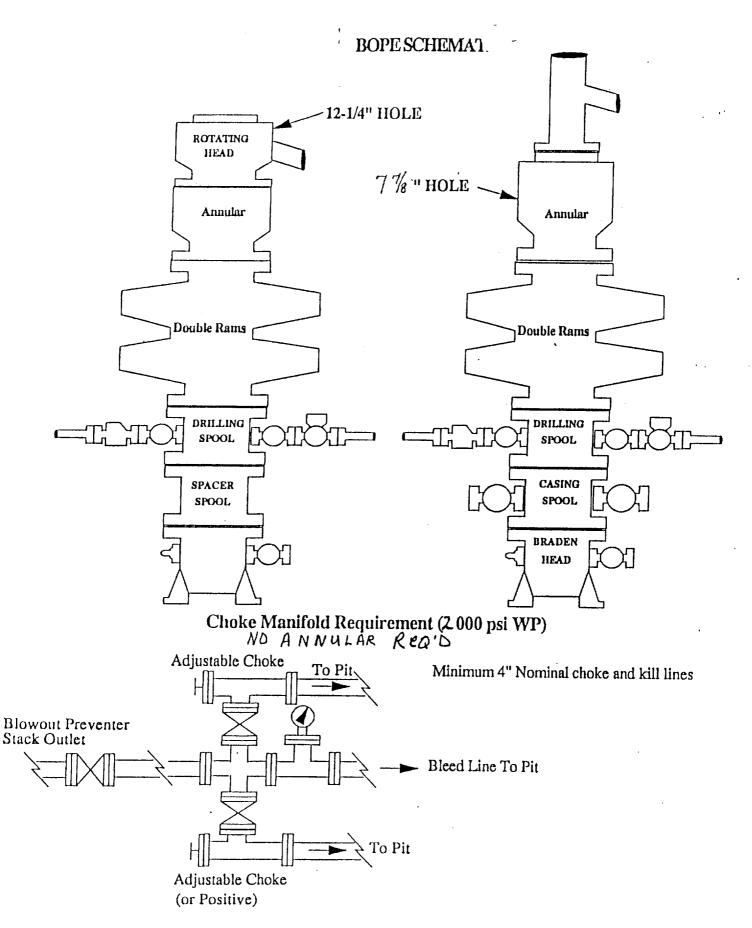
MEC TO FURNISH:

- 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, 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 besns. 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 sultably anchored.

- 7.Handwheels and extensions to be connected and ready for use.
- Valves adjacent to drilling spoot 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