Form 3160-3 (December 1990)

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J-55, 5 1/2

(Other Inst.

Budget Bureau No. 1004-01 Expires: December 31, 1991

J. VITED STATES

Suff to Circ

	DEPARTMEN	IT OF THE I	INTERI	OR		5. LEASE DESIGNATION A	ND SERIAL NO.
	BUREAU OI		LC-02902	$0\mathbf{G}$			
APPL	ICATION FOR P	ERMIT TO	DRILL	OR DEEPEN		6. IF INDIAN, ALLOTTEE C	OR TRIBE NAME
a. TYPE OF WORK DR b. TYPE OF WELL	ILL 🖾	DEEPEN				7. UNIT AGREEMENT NAI	ME 74
	Gas Well OTHER		SING: ZONE	LE MULTI	PLE	8. FARM OR LEASE NAME, WELL	NO.
. NAME OF OPERATOR	Wen — Office		20112	1. AC 14-5		Dexter Fede	ral #8
Mack Energy Cor	poration	1385	7/			9. API WELL NO.	
. ADDRESS AND TELEPHONE N	0.					30-015-30	327
P.O. Box 960, Art	esia, NM 88211-0960	(505)	748-1288			10. FIELD AND POOL, OR	
	L (Report location clearly	and in accordance	with any st	ate requirement.*)		Loco Hills Pa	ddock 96718
At surface		2310 FSL 990) FEL			11. SEC., T., R., M., OR BI AND SURVEY OR ARE	
At proposed prod. zo	~	3210 FCT 000) Terrett		-	Sec 22 T17S	D20F
:	UNIT	2310 FSL 990					
		rest town or pos le East Loco Hi				12. COUNTY OR PARISH Eddy	NM
5. DISTANCE FROM PROF LOCATION TO NEARES PROPERTY OR LEASE (Also to nearest dr	LINE, FT.	330	16. NO. OF	ACRES IN LEASE 120		F ACRES IN LEASE US WELL 4	0
8. DISTANCE FROM PROF TO NEAREST WELL, D OR APPLIED FOR, ON TI	POSED LOCATION* RILLING, COMPLETED HIS LEASE, FT.	660		5500		RY OR CABLE TOOLS Rotary	
1. ELEVATIONS (Show	whether DF, RT, GR. 1835 3662	WELL CON	TROLLE	D WATER BA	SIN	22 APPROX. DATE WORK W 9/18/98	
3.		PROPOSED CASI	ING AND C	EMENTING PROGRA	м		
SIZE OF HOLE	GRADB, SIZE OF CASING	WEIGHT PER F	оот	SETTING DEPTH		QUANTITY OF CEMENT	
17 1/2	K-55,13 3/8	48		450	enegg	Circ	
12 1/4	K-55, 8 5/8	24		1040	Miss.	Circ	

ith federal regulation. Specific programs as per Onshor	e Oil and Gas Order #1 are builthled in the following and Gas Order #1 are builthled in the following and the following are the following and the following are the following	wing attachments: WENTS AND
Drilling Program	SPECIAL STIPULATION	JNS
Surface Use & Operating Plan	Exhibit #4 - One- Mile Radius Map	Post ID-1 7-10-98 API+LOS
Exhibit #1 & 1A - Blowout Preventer Equipment	Exhibit #5 - Production Facilities Layout	APIYLOC
Exhibit #2 - Location and Elevation Plat	Exhibit #6 - Location Layout	
Exhibit #3 - Planned Access Road	Exhibit #7 - H2S Drilling Operations Plan	ı
	give data on present productive zone and proposed now productive	
BOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, en directionally, give pertinent data on subsurface locations and measured and tru		e zone. If proposal is to drill
en directionally, give pertinent data on subsurface locations and measured and tru	ae vertical depths. Give blowout preventer program, if any.	
en directionally, give pertinent data on subsurface locations and measured and tru	Geological Engineer DATE_	5/04/98

5500

17

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

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	
	96718	Loco Hills Paddock	
Property Code	Property Name		Well Number
006074	DEXTER FEDERAL		8
OGRID No.	Оре	rator Name	Elevation
013837	MACK ENERGY	CORPORATION	3662

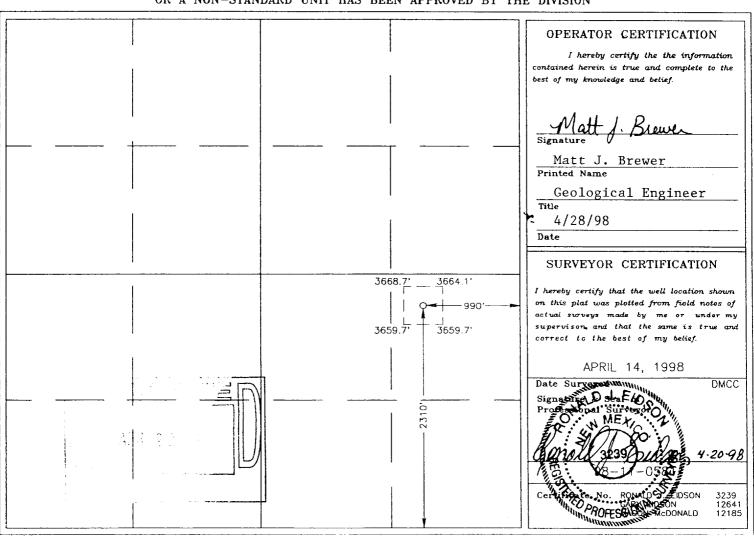
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	22	17 S	30 E		2310	SOUTH	990	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 line	County
Dedicated Acres	Joint o	r Infili C	onsolidation	Code Ore	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

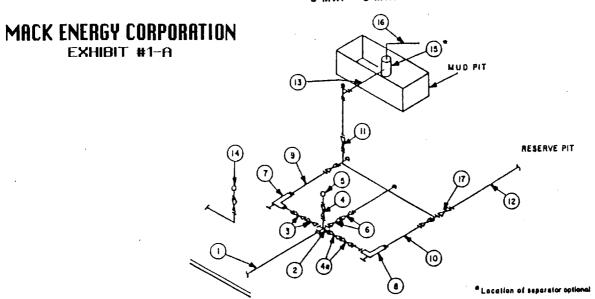


Attachment to Exhibit #1 NOTES REGARDING THE BLOWOUT PREVENTERS Dexter Federal #8 Eddy County, New Mexico

- 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.

Blowout Preventers Page 1

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



			MINI	MUM REQL	IREMENT!	3				
	1	T	3,000 MWP		5,000 MWP			10,000 MWP		
	4	I.D.	NOMINAL	RATING	1.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING
Na.	Line from drilling spool	- 	3*	3,000		3*	5,000		3*	10,000
<u>:</u> _	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	1-13/16*		10,000
48	Valves(1)	2-1/16"		3,000	2-1/16"		5,000	3-1/8"		10,000
 -	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
- ' -	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 Gale □ Plug □(2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8*		10,000
12	Unes	 	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 Gale □ (2)	3-1/6*		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 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

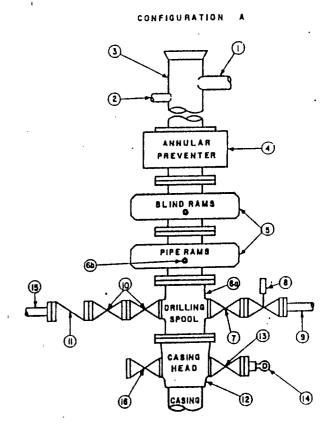
2 MWP

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	draulically		
6a	Drilling spool with 2" min. 3" min choke line autlets			2"Choke
6b	2" min. kill line and 3" mi outlets in ram. (Alternate	n, choke iine to 6a above.)		
7	Valve	Gate □ Plug □	3-1/8*	
8	Gate valve—power opera	led	3-1/8"	
9	Line to choke manifold			3*
10	Valves	Gate □ Plug □	2-1/16"	
11	Check valve		2-1/16"	
12	Casing head			
13	Valve	Gale 🗆 Plug 🖸	1-13/16"	
14	Pressure gauge with need	die valve		
15	Kill line to rig mud pump			2*

0	PTIONAL	
	1-13/16*	
16 Flanged valve	1-13/10	

MRCK ENERGY CORPORATION EXHIBIT #1-A



CONTRACTOR'S OPTION TO FURNISH:

- t.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.
- 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.

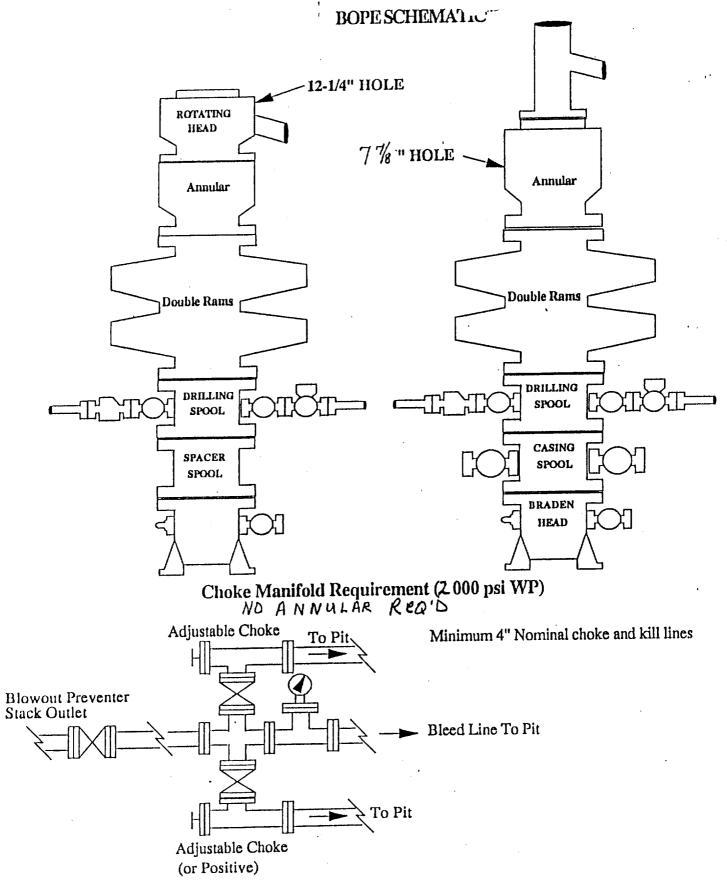
MEC TO FURNISH:

- 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, 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 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.

- 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 (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.



MACK ENERGY CORPORATION EXHIBIT #1-A