Form 3160-3			N .	M. O STEMIT IN T	LICATE	Form approved.		
(December 1990)	UNI	811 Other Instru	e augueg; actions on side)	Budget Bureau No. 1004-013 Expires: December 31, 1991				
	-2834							
		LAND MANA				5. LEASE DESIGNATION AND SERIAL NO. NM-29267		
	ICATION FOR P	ERMIT TO	DRIL	L OR DEEPEN		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
a. TYPE OF WORK	7. UNIT AGREEMENT NAME							
b. TYPE OF WELL	Gas	DEEPEN		SINGLE MULTH	ањ (~~)	23467		
NAME OF OPERATOR	Well OTHER					8. FARM OR LEASE NAME, WELL NO. Gold Star Federal #3		
Mack Energy Cor	-					9. API WELL NO.		
ADDRESS AND TELEPHONE N						30- CIS - 30469		
	esia, NM 88211-0960	(505) 7				10. FIELD AND POOL, OR WILDCAT		
At surface	12.1	-330-FNL 2410		y state requirement.*)	-	11. SEC., T., R., M., OR BLK.		
At proposed prod. zo	ne	- 330 F NL 2410				AND SURVEY OR AREA		
4. DISTANCE IN MILES A	Y 50 ND DIRECTION FROM NEAR			UNITB		Sec 30 T17S R29E		
	7.0 miles	West of Loco I				Eddy NM		
5. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE	ST LINE, FT.	230	16. NC	D. OF ACRES IN LEASE		FACRES IN LEASE IS WELL 40		
(Also to nearest dr 8. DISTANCE FROM PROP TO NEAREST WELL, DI	POSED LOCATION*	(())	19. PR	OPOSED DEPTH	20. ROTAR	40 Y OR CABLE TOOLS		
OR APPLIED FOR, ON TH	HIS LEASE, FT. whether DF, RT, GR, etc.)	660		5800		Rotary		
	3636 GR					22. APPROX. DATE WORK WILL START* 10/20/98		
3.		PROPOSED CASI	ING ANI	D CEMENTING PROGRAM	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		300		Circ 11-6-9		
12 1/4	<u>K-55, 8 5/8</u>	24		750	<u>Circ</u>			
/ //ð	J _55 5 1/2	17		5900	1	0.00		
7 7/8	J-55, 5 1/2	17		5800		Suff to Circ		
Mack Ener	gy proposes to drill to	a depth suffici		test the Paddock and		es formation for oil. If		
Mack Ener productive, 5 1/2" c	gy proposes to drill to asing will be cemented	a depth suffici . If non-produ	ctive,	test the Paddock and the well will be plugg	ed and aba	res formation for oil. If andoned in a manor consistent		
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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. -

ROSHALL IS

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 2088, SANTA PE, 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

Pool Code		ool Name	<u></u>
96610	East Empire Yeso		
Ргор	erty Name		Well Number
GOLDSTAR	FEDERAL		3
-		, . D	Elevation 3639
	96610 Prop GOLDSTAR Opera		96610 East Empire Yeso Property Name GOLDSTAR FEDERAL Operator Name

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	30	17 S	29 E		430	NORTH	2410	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 Infill Co	nsolidation	Code Or	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

· · · · · · · · · · · · · · · · · · ·		
LOT 1	2410'	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
27.71 ACRES LOT 2	 	Matt J. Brewer <u>Matt J. Brewer</u> Printed Name
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	<u>Geological Engineer</u> Title <u>7/27/98</u> Date
27.94 ACRES	DETAIL	SURVEYOR CERTIFICATION
LOT 3		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.
28.17 ACRES LOT 4	 	JULY 10, 1998 Date Surveyer DMCC Signating State of State
		Centropie No. RONALES ELISON 3239 1000000000000000000000000000000000000
28.40 ACRES		APOESSIC Mic DONALD 12641

MINIMUM CHOKE MANIFOLD 3,000, 5,000 and 10,000 PSI Working Pressure 2 M will be used of greater 3 MWP - 5 MWP - 10 MWP

(16

MACK ENERGY CORPORATION

exhibit #1-a



BEYOND SUBSTRUCTURE

			MINI	MUM REQL	IREMENT	5					
	1	3,000 MWP				5,000 MWP			10,000 MWP		
No.		1.0.	NOMINAL	RATING	I.D.	NOMINAL	RATING	1.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				
4	Cross 3"x3"x3"x3"									10,000	
3	Valves(1) Gate C Plug C(2)	3-1/8*		3,000	3-1/8*		5,000	3-1/8*		10,000	
4	Vaive Gate C Plug C(2)	1-13/16*		3,000	1-13/16"		5,000	1-13/18*		10,000	
48	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 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	2.		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	Gale D Valves Plug D(2)	3-1/8*		3,000	3-1/8"		5,000	3-1/8*		10,000	
12	Unea		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 C . Plug C(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.
- 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
 Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

2,000 psi Working Pressure

2 mwp

Min.

Nominal

STACK REQUIREMENTS Item I.D.

NO.	1.0111			
1	Flowline			<u> </u>
2	Fill up line			2*
3	Drilling nipple			
4	Annular preventer			
5	Two single or one dual h operated rams			
6a	Drilling spool with 2" min 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	Gate valve-power oper	ated	3.1/8*	
9	Line to choke manifold			3*
10	Valves	Gate D Plug D	2-1/16"	
11	Check valve		2-1/16"	
12	Casing head			
13	Valve	Gate 🗆 Plug 🗅	1-13/16*	
14	Pressure gauge with nee	die valve		
15	Kill line to rig mud pump			2*



MACK ENERGY CORPORATION

EXHIBIT #1-A

OPTIC	DNAL	
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.
- Automatic accumulator (80 gallon, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure.
- 3.80P 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.
- 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.
- valves.

GENERAL NOTES:

- 1.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 lianged (aultable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through cho're. Valves must be full opening and aultable 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 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.
- 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.



exhibit #1-A