Form 3160-3 (December 1990)

UNITED STATES DEPARTMEN F THE INTERIOR

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1	Form approved.	

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See Instructions On Reverse Side

TITLE ASSAURANT AND MANAGER

DATE

/s/ Yolanda Vega

APPROVED BY

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

State of New Mexico
Encome Minerals, and Natural Resources P tment

Form C-102 Revised 02-10-94

Instructions on back

Submit to the Appropriate District Office State Lease — 4 copies Fee Lease — 3 copies

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

DISTRICT III 1000 Rio Brazos Rd. Aztec, NM 87410

OIL CONSERVATION DIVISION P. 0. Box 2088 Santa Fe, New Mexico 87504-2088

AMENDED REPORT

<u>DISTRICT IV</u> P. O. Box 2088 Santa Fe, NM 87507-2088

nto Fe, NM 87507-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT

' API Number		·	² Pool Code	· · · · · · · · · · · · · · · · · · ·	3 Pos	ol Name					
30-6	715-	78962	Į.	C/G			g Jackson	(ON SP	CR CA)		
* Property Cod		5 Property N	ame	<u> </u>		Graybar	g backson	(QH, BK	Vall Number		
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10001	<u> </u>	_1		UIT LITE		JI LIKHTING	CORF.		3711		
						LOCATION					
UL or lot no.		Township	Rang				North/South line	1	East/West line	County	
A	18	17 SOUTH	31 EAST,	N.M.P.M.		1150'	NORTH	1310'	EAST	EDDY	
		"BOTTO	M HOLE	LOCATI	ON IF	DIFFERE	NT FROM ST	URFACE	· · · · · · · · · · · · · · · · · · ·		
UL or lot no.	Section	Township	Rang	e	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County	
12 Dedicated Ac	13 fe	int or Infill	14 Committeet	0-1-	14.0-1	<u></u>					
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								JOB #4292	98 SW	/ JSJ	

MINIMUM BLOWOUT PREVENTER REQUIREML

3,000 psi Working Pressure

3 MWP

STACK REQUIREMENTS

No.	item		Min. I.D.	Min. Nominal
1	Flowline			
2	Fill up line			2*
3	Drilling nipple			
4	Annular preventer			
5	Two single or one dual h	ydraulically		
6a	Drilling spool with 2" min 3" min choke line outlets			
6 b	2" min. kill line and 3" m outlets in ram. (Alternate			
7	Valve	Gate 🗆 Plug 🗅	3-1/8*	
8	Gate valve—power opera	ated	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	Gate □ Plug □	1-13/16*	
14	Pressure gauge with nee	edie valve-		
15	Kill line to rig mud pump	manifold		2.

ANNULAR PREVENTER 4
BLIND RAMS
PIPE RAMS
BRILLING
(I) (CASING TO
HEAD
(E) (A)

EXHIBIT #1

CONFIGURATION

(D)

	OPT	IONAL .	
16 Flanged	valve	1-13/16"	

CONTRACTOR'S OPTION TO FURNISH:

- All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 3,000 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.
- 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 fit pipe being used.
- 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:

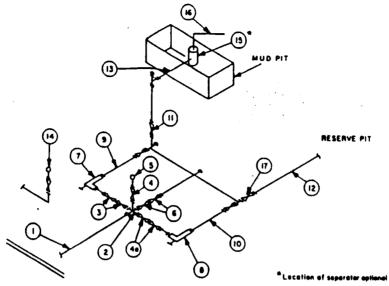
- Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
- 2.All connections, valves, fittings, piping, etc., subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through choice. 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 sultably 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 (3000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
- Casinghead connections shall not be used except in case of emergency.
- 11.Do not use kill line for routine fill-up operations.

MINIMUM CHOKE MANIFOLD 3,000, 5,000 and 10,000 PSI Working Pressure

EXHIBIT #1-A

3 MWP - 5 MWP - 10 MWP



EY								

			MINI	MUM REQU	HREMENT!	S				
			3,000 MWP			5,000 MWP			10,000 MWF	
No.		I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING	I.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			
	Cross 3"x3"x3"x3"									10.000
3	Valves(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	1-13/16*		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
6	Valves Gate □ 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		5.	3,000		2.	5,000		3.	10,000
11	Valves Gate □ 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		<u> </u>	10,000
15	Gas Separator		2'x5'		<u> </u>	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.
- 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.
- 7. Discharge lines from chokes, choke bypass and from top of gas separator should verit as far as practical from the well.

Attachment to Exhibit #1 NOTES REGARDING BLOWOUT PREVENTORS

Grayburg-Jackson Field Eddy County, New Mexico

- 1. Drilling nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOPE bore.
- 2. Wear ring will be properly installed in head.
- 3. Blowout preventor and all associated fittings will be in operable condition to withstand a minimum 3000 psi working pressure.
- 4. All fittings will be flanged.
- 5. A full bore safety valve tested to a minimum 3000 psi W.P. with proper thread connections will be available on the rotary rig floor at all times.
- 6. All choke lines will be anchored to prevent movement.
- 7. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.
- 8. Will maintain a kelly cock attached to the kelly.
- 9. Hand wheels and wrenches will be properly installed and tested for safe operation.
- 10. Hydraulic floor control for blowout preventor will be located as near in proximity to driller's controls as possible.
- All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.