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DISTRICT 1 r.o. Box 1980, Rebbs, MM 66740

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DISTRICT II P.D. Drawer DD, Artonia, NH 40810

DISTRICT III 1000 No Brance M., Anton, NM 87410 State of New Mexico

Energy, Minerals and Natural Resources Department

Forth C-102 Reviewd February 10, 1994 Instruction on back Submit to Appropriate District Office State Lease - 4 Copies Fue Lease - 3 Copies

## OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe. New Mexico 67504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

I MA	Number			Paul Code			Pool Name					
30-015-		L	<u> </u>	3745		IGLE WELLS;	VECAWARE	Well Nur	- h			
Property C	ode			70	Property Nam OD 23 "H" FE			6				
OGRED No		<u> </u>			Operator Nam			Elevation				
					DEVON ENER	GY		348	3'			
					Surface Loca	tion						
UL ar let No.	Section	Township	Range	Lot Ida	Fast from the	North/Bouth line	Fael from the	East/West line	County			
н	23	23 S	31 E		2470	NORTH	415	EAST	EDDY			
Bottom Hole Location If Different From Surface												
UL or let Ne.	Section.	Towsehip	Range	Let idn	Feet from the	North/South line	Feet from the	East/West hinc	Couply			
Dedicated Acres	Joint .	e infill Ce	neulideliet	Code Con	Ler No.	L		1	<b>I</b>			
NO ALLO	WABLE W	TILL BE AS	SIGNED	TO THIS	COMPLETION U	INTIL ALL INTER	ESTS HAVE BI	EEN CONSOLID	ATED			
		OR A N	ION-STAN	DARD UN	IT HAS BEEN	APPROVED BY	THE DIVISION	· · · · · · · · · · · · · · · · · · ·				
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## 3,000 psi Working Pressure

3 MWP

# TODD "23" FEDERAL #6 EDDY COUNTY, NEW MEXICO EXHIBIT #1

## STACK REQUIREMENTS

2

<b></b>	1		Min.	Min.		
No.	tem tem	I.D.	Nominal			
1	Flowline					
2	Fill up line			2"		
3	Drilling nipple	_				
4	Annular preventer					
5	Two single or one dual hy operated rams	/draulically				
64	Drilling spool with 2° min 3° min choke line outlets	. kill line and				
<b>6</b> b	2° min. kill line and 3° m outlets in ram. (Alternate					
7	Valve	3-1/8*				
	Gate valve-power operation	Gate valve-power operated				
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 D Plug D	1-13/16*			
14	Pressure gauge with nee	die valve				
15	Kill line to rig mud pump			2*		

OPTIONAL 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.
- 2.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.
- 5.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.
- 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:**

- 1. Deviations from this drawing may be made only with the express permission of MEC's Dritting Manager.
- 2.All connections, valves, littings, piping, etc., subject to well or pump pressure must be flanged (suitable clemp 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.



- 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 (3000 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.

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BOPE SCHEMATIC



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## Attachment to Exhibit #1

# NOTES REGARDING BLOWOUT PREVENTORS Todd "23" Federal #6 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.
- 11. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.

## MINIMUM CHOKE MANIFOLD 3,000, 5,800 and 10,000 PSI Working Pressure

## 3 MWP · 5 MWP · 10 MWP

TODD "23" FEDERAL #6 EDDY COUNTY, NEW MEXICO EXHIBIT #1-A

2,000

2,000

10,000

2.000

10.000

21

3"

2'x5'

4.

**-** -



MINIMUM REQUIREMENTS										
			3,000 MWP		5,000 MWP			10,000 MWP		
No.		I.D	NOMINAL	RATING	I.D.	NOMINAL	RATING	1.D.	NOMINAL	RATING
1	Line from drilling space		3.	3,000		3.	5.000		3.	10,000
2	Cross 3"#3"#3"#2"			3.000			\$,000			
-	Cross 3"x3"x3"x3"									10.000
3	Valves(1) Gale D Plug D(2)	3-1/8*		3,000	3-1/8*		5,000	3-1/8"		10,000
4	Valve Gate C Plug D(2)	1-13/16*		3,000	1-13/16*		5,000	1-13/16*		10,000
43	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 Gale C Plug D(2)	3-1/6*		3,000	3-1/8*		<b>\$,00</b> 0	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.	1	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 D Plug D(2)	3-1/8*		3,000	3-1/8*		\$,000	3-1/8*		10,800

1.000

1,000

3.000

1,000

3,000

3.

3"

2'15'

4

1.000

1,000

5.000

1,000

\$,000

3-1/8\*

BETOND SUBSTRUCTURE

Plug ()(2) (1) Only one required in Class 3M.

**Remote reading compound** 

Gete D

standpipe pressure gen

Ges Seperate

R

12 Lines

14

15

17

Lines 13

Line 16

Valves

(2) Gale valves only shall be used for Cless 10ML

(3) Remote operated hydroulic choice required on 5,000 psi and 10,000 psi for drilling.

3-1/8"

3\*

31

2'15'

4.

### EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

3-1/8"

- 1. All connections in choke manifold shall be welded, studded, llanged or Gameron 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 vent as far as practical from the well.