Conservation 10001 For 550		MISSION		Cother is	TICATE		cl.	
(December 1990) NM OIL CONS. JNITED STATES				Teveru	.iene en side)	Budget Bureau No. 1004-0136 Expires: December 31, 1991		
	WEDEPARTMEN	T OF THE	INTE	RIOR REC	CEIVED	5. LEARE DECISIATION		
ARI	ESIA, BUREAU O	LANDINANA	DENE	TM		LC-058008-A		
	ICATION FOR P	6. IF INDIAN, ALLOTTE	OR TRIBE NAME					
AFF &		PERMIT 70	DRIL	OR DEEPEN	10.'94	NA		
		DEEPEN	Er,	E.		7. UNIT AGREEMENT NAME		
. TTPE OF WELL	ar		0), C. D.	Shugart		
	VELL OTTE		2		SHA OFFICE	S. RADIN CR. LEASE HANNE, WEL	1m3493	
. NAME OF OPERATOR	No.	1.1	4	6137		East Shugart	Unit #6 4	
Devon Energy	Corporation (N		ttn:	Debby, O'Donne	211	30-015-2	7964	
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At proposed prod. sol	e same			By State	UT F	Section 3-Tl	95-R31E	
4. DISTANCE IN MILDS	AND DIRECTION FROM NEA		12 00710	3 *	-1.1	12. COUNTY OR PARME		
	outheast of Loc					Eddy	NM	
S. DISTANCE FROM PROP	V42D*							
LOCATION TO NEAREST PROPERTY OR LEASE I	LINE, FT.	1600'		160	10 71	40		
(Also to Bearest drig 8. DISTANCE FROM PROF			19. PI	OPOSED DEPTH	20. 8074	4U		
TO NEARBET WELL, D OR APPLIED FOR, ON TH	RILLING, COM PLETED ,	550'		4500'		rotary		
1. ELEVATIONS (Show who			<u> </u>		<u> </u>	22. APPROS. DATE WO	E WILL START	
	· · · ·	3602' C	api ta	n Controlled Water	Basin	May 1, 1994		
3.		PROPOSED CASE	ING AN	D CEMENTING PROGR	AM			
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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.

EXH	IBIT	‡ 2

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 5 copies

DISTRICT I P.O. Bax 1880, Hobbs, NM 88240

DISTRICT II P.O. Drever DD, Artonia, FM 85810

WELL LOCATION AND ACREAGE DEDICATION PLAT

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

DISTRICT III 1990 Bio Brazze Ed., Astao, MM 87418

All Distances must be from the outer boundaries of the section

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 CORPORATION
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Form C-102 Revised 1-1-69

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State of New Mexico Energy, Minerals and Natural Resources Department

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EXHIBIT #1

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

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3,800 pel Working Pressure

J MWP

No.	liem	Min. L.D.	Min. Nominel
1	Flowline		1
2	Fill up line		27
3	Drilling apple		
4	Annular preventer		
5	Two single or one dual hydraulically operated rams		
64	Drilling speel with 2° min. hill line an 3° min choke line extlets		
6 b	2" min. till line and 3" min. chalse lin outlets in ram. (Alternate to Sa above	.	
7	Valve Gate C		
	Gate velve-power operated	3-1/8"	
9	Line to choice manifold		3.
10	Valves Gete D Plug D		
_	Check velve	2-1/16*	
12	Casing head		
13	Valve Gate D Plug D	1-13/16*	
	Pressure gauge with meedle valve		
15	Kill line to rig mud pump meniloid		2"

STACK REQUIREMENTS



	OPTIONAL	
16 Flanged valve	1-13/16*	

CONTRACTOR'S OPTION TO FURNISH:

- 1.All equipment and connections above bradenhead or caeinghead. Working procesure of preventers to be 3,000 pel,
- 2. Automatic accumulator (80 gallen, minimum) capable of closing BOP in 30 seconds or less and, including 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 provventer or its uivalent en derrick fleer at all times with proper threads to itt pipe being used.
- 6.Kelly saver-sub equipped with rubber choing protector at all times.
- 7.Plug type bisweut prevenier tester.
- 8.Extra set pipe rame to \$t drill pipe in use on location at all times.
- 8. Type PX sing gashets in place of Type PL

MEC TO FURNISH:

- 1.Bradenhead or casinghead and side
- heres.

•.

2.Weer bushing, il required.

GENERAL NOTES:

- 1. Deviations from this drawing may be made only with the supress permission of MEC's Drilling Manager.
- 2.All connections, volves, Stlings, piping, etc., subject to well or pump pressure must be flanged (suitable clemp connecns acceptable) and have minin werking pressure equal to rated working pressure of proveniers up through shore. Valves must be full eponing and suitable for high pressure mud service.
- 3.Controls to be of standard design and each marked, shawing apaning and closing position.
- ot ton as as beneities at the said 4.Ch hemper or delay changing of choice boans. Replaceable parts for adjusta choke, other been sizes, retainers, and the wrenches to be conveniently located for immediate use.
- 5.All valves to be equipped with handwheels or handles ready for immediate
- 6.Chelle lines must be suitably enchared.

- 7.Handwhaals and extensions to be connected and ready for use.
- 8.Valves adjecent to drilling speel to be hept open. Lies outside valves except for hergency.
- 9.All seemices start central piping (3000 si working processe) to have flacible joints to avoid strees. Hosee will be itted.
- 18. Casingheed connections shall not be used succept in case of emergency.
- 11.Do not use till line for routine Ill-up ÷., operations.

Attachment to Exhibit #1 NOTES REGARDING BLOWOUT PREVENTORS East Shugart Unit #64 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 BOP 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 WP 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.

EXHIBIT #1-A

MINIMUM CHOKE MANIFOLD 3,800, 5,800 and 10,800 PSI Warking Pressure

3 MWP - 5 MWP - 10 MWP



SETOND SUBSTRUCTURE

MINIMUM PEQUIPEMENTS										
			3.800 MMP		S.SCO MWP			10,000 MWP		•
No.		LD.	HOMMAL	MATING	LD.	NOMINAL	RATING	LD.	HOMINAL	RATING
F	Line from drilling speel		37	3,000		3.	5,800		2.	10.000
2	Crees 3"x3"x3"x2"			3,600			6,800			
	Creas 3"13"13"13"									10,000
3	Values(1) Gate D Plag ()(2)	3-147-		3,000	3-14*		5,800	3-1/8*		10,000
4	Valve Gate C Plug D(2)	1-13/16*		3,880	1-13716*		5,800	1-13/16*		10,000
49	Valves(1)	2-1/16"		3,800	2-1/16"		5,000	3-14		10,800
5	Pressure Gauge			3,800			5,800		1	10,800
•	Valves Gate C Plug (32)	3-1/8*		3,800	3-14*		5,800	3-1/8*		10,800
7	Adjustable Chake(3)	2		3,000	2		5,800	2		10,000
	Adjustable Chake	1"		3,000	1.		5,900	2		10.000
•	Line		3.	3,800		3	5,600		37	10,000
10	Line		2	3,000		2	5.800	_	3.	10,000
11	Velves Gete D Plug (C2)	3-1/8*		3,800	3-148*		5.900	3-148*		10,000
	Lines		37	1,000		3	1,000			2,800
13	Lines		3"	1,800		3.	1,000	• •		2.000
M	Pometo reading compound standpipe pressure gouge			3,800			5.000	•		10,600
15	Gas Separator		2'25'			2'25'			2'15'	
16	Line		r	1,800		ſ	1,800		4.	2.800
17	Valves Plag ()(2)	3-147*		3,800	3-148*		6,000	3-148*		10,000

(1) Only one required in Class 3M.

(2) Gate velves only shall be used for Class 10h.

(3) Remote operated hydroulic shake required on \$,800 pal and 10,000 pal for shilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in chairs manifold shall be welded, studded, flanged or Cameron clamp of com perable rating.
- 2. All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or 8X. Use only 8X for 10 MWP.
- 3. All lines shall be securely enchared.
- as shall be equipped with tungston carbide seats and needles, and replacements shall be evalu 4. Chai abia.
- S. Chat manifeld press more gauges shall be available at the chake manifold to assist in regulating 20. a chake manifold pressure gauge shall be incated on the rig liser in conure and sis PO (M) choixes. As an alte note with an atic el n with the standpipe pro
- 6. Line trem drilling speel to Choke meniloki sh jume bu have t old should be as straight as possible. Lines downstream from choices shall make turns by large bands or 60° bands using bull plugged tess.

7. Discharge lines from choice, shake bypass and from top of gas separator should vent as far as practical from the walt.