Form 3160-3 (December 1998)		MESIQNATE	S	(Other si	TIPLICAT	Budget Bureau No. 1	ا 004-013 6	
	FRODARTMEN			RIOR		Expires: December	31, 1991	
	SIA. NMARTARIO					5. LEASE DESIGNATION AND S	BRIAL NO.	
				MA	V 10 '9/			
1a. TTPE OF WORK	LCATIONFORF		DRIL	LOR DEEPEN	D. C. D.	6. IF INDIAN, ALLOTTES OF T	EISS NAMS	
		DEEPEN	P		ESIA, OFFIC	7. UNIT AGREEMENT NAME		
		DEEPEN 1 1994				Shugart		
WELL LAU T	C DIST. 6		<u> </u>	BONS LA BONS		6. MAN CR LEASE NAME, WELL NO.		
Devon Energy	Corporation (N		ttn:	GI37 Debby O'Donne	11	East Shugart Un	10 #30	
. ADDRESS AND THE ATMONT NO.	0%	-0 /1	05)	550 4511	<u> </u>	30-015-279	49	
20 North Bro	adway Sto 1909	v Noklahoma	City	V. OK 73102		10. FIELD AND FOOL OR WIL		
At surface 2250	FNL & 1910 FE	L accordance wit	th any	State requirements.*)		Shugart (Y-SR-Q	-G)	
At proposed prod. 201					,	11. MEC., T., B., M., OS BLE. 5	6439	
				i	15.6	Section 35-T185	-8316	
	AND DIBRCTION FROM HEAT					12. COUNTY OR PARIER 18.	TATE	
15 % miles so	outheast of Loco	Hills, NM		O. OF ACRES IN LEASE	1.02		NM	
LOCATION TO NEARES	T LINE, FT.		- 10, N	U. UF AUERS IN LRASS		OF ACRES ASSIGNED		
(Also to Bearest dri		1910'	10	400		40		
TO NEAREST WELL, D OR APPLIED FOR, ON TH	BILLING, COMPLETED,	4001	49. 4	4500'	20. BOTA	ET OR CABLE TOOLS		
1. ELEVATIONS (Show wh	other DF, RT, GR, etc.)	400'		4300	<u> </u>	TOTATY		
		3642' Ca	oiten	Centrolled Water P	nela	May 1, 1994	L START	
8.				D CEMENTING PROGRA		nay 1, 1994		
SIER OF HOLE		WEIGHT FER PO	OT	SETTING DEPTH		QUANTITT OF CRIMENT		
17 ½"	14"			40'		cmt with readi-mix to surface		
12 ½" 7 7/8"	8 5/8", K-55 5 ½", J-55	24 ppf		950'		280 sx Lite + 20CHCCLATE		
-	circulate cemen	15.5 ppf it to surfac	e or	4500' all casing str		Lite + 500 sx Clas	BS C	
Devon Energy pro	poses to drill to 4	500'± to test	the (Queen Sand formatio	m for ca	mercial quantities of		
oil. If the Que	en is deemed non-co	mmercial, the	well	bore will be plugge	d and abi	andoned per Federal		
regulations. Pr	rograms to adhere to	onshore ofla	and ga	as regulations are	outlined	in the following		
exhibits and att								
Drilling Program Surface Use and				The undersigned accepts all applicable terms, conditions,				
	= Blowout Preventio	n Fauinment		stipulations and restrictions concerning operations con- ducted on the leased land or portions thereof, as descri				
	ation and Elevation							
	Road Map and Topo			ase #: N 10191	Post.	1-911		
Exhibit #4 = Wells Within 1 Mile Radius				Legal Description: Section 35-T18S-R31E Mumbra + H				
	duction Facilities	Plat						
Exhibit #6 = Rot	- -			Bond Coverage: Nationvide Approval Subject to				
Exhibit #7 = Cas	~ ~		BL	BLM Bond #: CO-1104 General Requirements and Special Stipulations				
H ₂ S Operating Pl					l l	B Stanley al		
pen directionally, give pertin	erkorosed PROGRAM: If point data on subsurface location	roposal is to deepen, g and measured and tru	ive data e vertice	on present productive zone and depths. Give blowout preven	ind proposed Net program. i	new productive zone. If proposal is if any.	s to drill or	
	- 1 -			. L. Buttross,			·	
BIGNED E. J. Bettiges h. TITLE				District Engineer DATE Ma			1 9 94	
(This space for Feder	al or State office use)							
PERMIT NO				APPROVAL DATE				
		icant holds legal or equ			nase which wa	uld entitle the applicant to conduct ope	rations thereon	
	D.) RICHARD L. M/	ANUS		AREA MANAGER	Ę	DATE MAY 6 1994		
		*See Instruct	ions (On Revene Side				

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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.

EXHIBIT #2

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Submit to Appropriate District Office State Lease – 4 copies Fos Lease – 3 copies

DISTRICT I

DISTRICT III

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

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

DISTRICT II P.O. Drawer DD, Artenia, NM 88210

1000 Bio Branes Bd., Astee, NM 87410

P.O. Box 1960, Hobbs, NM 88240

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator DE	VON ENERGY		Le	250	EAST SHUG			Well No. 56		
<u></u>								50		
Unit Letter	Section	Township	1-1		74 54		County			
G Actual Footage Loc	35	18 SO		•	31 EAST	KUPM	I	EDDY		
-		ORTH the set		1910			the EAS	T		
2250 fee Bround Level Elev			P			feet from	the LAS	Dedicated Acreage:		
3642'	-	en Sand			ugart (Y-S	20-0-0				
	and the second	o the subject well					· · · · · · · · · · · · · · · · · · ·	40 Acres		
	-							ag interest and revalty).		
3. If more than	2. If more than one lease is dedicated to the well, suffice such and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization,									
Yes	torre-pooling, etc.		'yes" type of c	annolidation						
If answer is no this form necess		und tract descripti	ons which have	actually i	men consolidati	NC (USO 1999	to ette ern			
No allowable w	dll be assigned i	to the well unit. ard unit, eliminat						nitization, forced-pooling,		
								FOR CERTIFICATION		
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· ·							Signature	At		
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	1			ノン			Position			
			$\land \land \land$	$\langle \mathbf{N} $			<u>Distri</u>	ct Engineer		
	1			X			Company	Devon Energy		
	1							ation (Nevada)		
			3640.9	3641.9			Date 3/11/9	4		
ł	, i		\searrow		1910'			•••		
	1						SURVEY	OR CERTIFICATION		
		• • • •	3641.3	3642.5			f kanalas aant	ify that the well location shown		
	1			1			-	was platted from field notes of		
	l l			i			antreal energy	e made by me or under my		
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								C\$3510 M		
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0 320 660	· •••· 1080 10	50 1980 2810 28	40 2000	1500	1000 60	0 0		94-11-0196		

EXHIBIT #1

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

3.860 pel Werking Preseure

3 MWP

	STACK REDUIREMENTS							
No.			Min. LD.	Min. Nominal				
1	Flowing							
2	Fill up ine			2				
3	Drilling rupple							
4	Annular preventer							
\$	Two single or one dual byde operated rame	aulically						
68	Dritting speel with 2° min. In 3° min choke line extens	ll line and						
80	2° min. till line and 3° min. outlets in ram. (Alternate to	choko lino Ga above.)	· ·					
7	Value	Gale D Plug D	3-1/8*					
	Gate valve-power operated	1	3-1/8"					
9	Line to choice manifold			3.				
	Vaives	Gate C Plug C	2-1/16*					
	Check velve		2-1/16*					
12	Casing head							
13	Valve	Gato D Plug D	1-13/16*					
	Pressure gauge with needle							
15	Kill line to rig mud pump men	Hold		2.				

CTACK DEALHDELIELTE



L		OPTIONAL
16 #	langed valve	1-13/16"

CONTRACTOR'S OPTION TO FURNISH:

- 1.All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 3,000 pel, minimum.
- 2. Automatic accumulator (80 gallen, minimum) capable of closing BOP in 30 seconds or loss and, holding them closed against full rated working pressure.
- 3.BOP controls, to be localed near drillers position.
- 4.Kelly equipped with Kelly cock.
- S.Inside blowout provventer er its equivalent en derrick floor at all times with proper tiveads to itt pipe being used.
- 6.Kelly sever-sub equipped with subber casing protector at all times.
- 7.Plug type blowaut preventer tester.
- S.Extra set pipe rame to fit drill pipe in use on location at all times.
- 8. Type RX sing gashets in place of Type PL.

MEC TO FURNISH:

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- 1.Bradenhead or casinghead and side valves.
- 2.Wear bushing, Il required.

GENERAL NOTES:

- 1.Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
- 2.All connections, velves, fittings, piping, etc., subject to well or pump processo must be fanged (suitable clemp connections acceptable) and have minimum working processo spati to rated working processo al proventors up through alto "e. Valves must be full opening and suitable for high processo mud service,
- 3. Controls to be of standard design and each marked, shawing eponing and closing position.
- 4. Choice will be positioned so as not to hamper or delay changing of choice beens. Popieceable parts for adjustable choice, other been sizes, reteiners, and ahais wranches to be conveniently located for immediate use.
- 5.All values to be equipped with handwhosis or handles ready for immediate use.
- 6.Cheke lines must be suitably anchored.

- 7.Handwheels and extensions to be connected and ready for use.
- Valves adjacent to delling speet to be hept open. Use outside valves except for emergency.
- emergency. 8.All econices steel centrel piping (3000 pel working pressure) to have flexible joints to avoid stress. House will be permitted.
- 18.Cealinghand connections shall not be used except in case of emergency.
- 11.Do not use kill line for routine fill-up

Attachment to Exhibit #1 NOTES REGARDING BLOWOUT PREVENTORS East Shugart Unit #56 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.

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MINIMUM CHOKE MANIFOLD 3.000. 5,800 and 10,800 PSI Warking Pressure

3 MWP - 5 MWP - 10 MWP



	MINIMUM RECLINEMENTS										
	3.800 MWP					S.000 NWP			10,000 4007		
No.		LD	NOMINAL		LD.	MOMMAL	RATING	LD.	NOUNAL	RATING	
	Line from drilling speel		3.	3,600		3"	5,800	· · · · ·	3-	10,000	
2	Cress 3"x3"x3"x2"			3,900			8,800				
	Crees 3"x3"x3"x3"									10,000	
3	Values(1) Gate [] Play [](2)	3-147-		3,880	3-14*		5,800	3-118*		10,000	
٩	Valve Galo C Plug ()(2)	1-13/16*		3,860	1-13/16*		5,800	1-13/16*		10,800	
40	Valves(1)	2-1/16"		3,000	2-1/16"		5.000	3-14		10.000	
5	Pressure Gauge			3,800			5,000				
6	Valves Gete C Plug (2)(2)	3-1/8*		3,800	3-148*		5,000	3-1/8*		10,000	
	Adjustable Chahe(3)	2"		3.000	2"		5.000	*	╂╼╍╍╍╌┥		
	Adjustable Chahe	1*		3.800	1.		5.800	2	┟╼╼╼╼┥	10.000	
	Line		3.	3.000		5-	5,600		3.	10,000	
10	Line		2	3,000		2	8,000			10,000	
11	Velves Gate D Plug D(2)	3-1/8*		3,000	3-1/8*		5,800	3-1/8*	3.	10,000	
12	Lines		3*	1,800	· · · ·	3-					
13	Lines			1,800		3.	1,000		3	2,800	
м	Nomete reading compound						1,000		3.	2,000	
	standpipe pressure gauge			3.800			5,800	•		10.000	
	Cas Separater		2'15'			2'25'		-	2'15'		
16	Line		4.	1,900		r	1,000		4		
17	Valves Plug ()(2)	3-148*		2,000	3-149*		6,000	3-147		2,900	

(1) Only one required in Class 34.

(2) Gate valves only shall be used for Class 10M.

(2) Remote operated hydroulic shake required on \$,800 pel and 18,000 pel for skilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in choice 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 FIX or BX. Use only BX for 10 MWP.
- 3. All lines shall be securely enchored.
- Choice shall be equipped with tangeton carbide scale and needles, and replacements shall be evaluable.
 Choice manifeld pressure and standpipe pressure gauges shall be evaluable at the choice manifold to assist in regulating choices. As an alternate with automatic choices, a choice manifeld pressure gauge shall be located on the rig laser in conjunction with the standpipe pressure gauge. 6. Line trem drilling speci to choke manifold should be as straight as possible. Lines downstream from chokes shall make
- turns by large bonds or 80° bonds using bull plugged toss. 7. Discharge lines from choice, shoke bypass and from top of gas separator should vent as far as practical from the well.