Form 3160-3				SUMMET D	TPLICAT		c)b		
	IL CONS. CO				.tions en t side)	Budget Burea	u No. 1004-0136		
	ER DEPARTMEN			RIOR		Expires: December 31, 1991			
ARTE	SIA, N NSU18,225	5. LEASE DESIGNATION AND SERIAL NO.							
	JCATION - GR			L OR DEEPEN		6. BF INDIAN, ALLOTTER OR TRIBE HAME			
La. TIPE OF WORK	JCATION FOR			L OR DEEPEN		- NA	as of thise name		
	RILL 🗷 🖞 🛛 🙀	DEEPEN	重)			7. UNIT AGREEMENT	HANG		
D. TTPE OF WELL	···	DEEPEN AR 21 Res	=1			Shugart			
	WALL OTER			INCLE X NUL		S. MAN OR LEASE NAME, T	ALMO. 3493		
	Corporation (N	6 m / .		6137		East Shugar	rt Unit #66		
8. ADDRESS AND TELEVISIONS NO			<u>ttji:</u> 05)			9. APT WILL NO.	27956		
20 North Bro	adway Ste 1500	N-OLCHART	City	P OF 73102	EIVED	30-015-27955 10. FIELD AND FOOL, OR WILLOCAT			
- 1. LOCATION OF WELL (]	Report location clearly and	To-see the w	th any	State requirements.*)		Shugart (Y-SR-Q-G)			
2300)' FSL & 425' FW	L				11. SDC., T., R., M., OR	SK-Q-G		
At proposed prod. so	same same				13.'94	AND SUEVEY OR A	2643 Y		
14. DISTANCE IN MILES	AND DIBSCINON FROM NEA	BEST TOWN OR POS	-	UT.		Section 34- 12. COUNTY OF PARIEN			
	outheast of Loco	o Hills, NM	•	ARTESIA	, OFFICE	Eddy	NM		
15. DISTANCE FROM PROP LOCATION TO NEARES	WEED*				17. NO.	OF ACERS ASSIGNED			
(Also to Bearest dri	LINE, FT. Ig. unit line, if any)	425'		400		40			
18. DISTANCE FROM FROM			19. P	LOPOSED DEPTH		AU BT OR CABLE TOOLS			
OR APPLIED FOR, ON TH	IS LEASE, FT.	200'		450 0'		rotary			
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)					22. APPROX. DATE WORK WILL START"			
23.	-	3619'				May 1, 1994			
		PROPOSED CASE	NG AN	CEMENTING PROGR	AM		······································		
SIZE OF ROLE		WEIGHT FER P	TOO	SETTING DEPTH	1	QUANTITY OF CRMR	HT.		
17 3	14"			40'		th readi-mix t			
<u>12 ½"</u> 7 7/8"	8 5/8", K-55	24 ppf		950'		Lite + 200 sx			
		15.5 ppf		4500'		t Lite + 500 sx Class C			
Devon Energy pro oil. If the Que	circulate cemer oposes to drill to 4 een is deemed non-co rograms to adhere to tachments	500'± to test	the (ueen Sand formationer will be plugg	on for con ed and ab:	andoned per Eodors	es of 11		
Drilling Program			тн	e undersigned acc	onte all a	maldachla Asaas			
Surface Use and	Operating Plan		st	e undersigned according to the second s	strictions	concerning operation	conditions,		
	= Blowout Preventio		du	cted on the lease	a land or	portions thereof.	as described		
	ation and Elevation			low:					
	Road Map and Topo			ase #: NM 10191		F	as IV-1		
	ls Within 1 Mile Ra duction Facilities			gal Description:		I-T18S-R31E	9-20-94		
Exhibit #6 = Rot		ridl		Lease #: NM 10191 Legal Description: Section 34-T18S-R31E Formation: Queen Sand Rond Coverage: Nationaride Auwlick HAFE					
Exhibit #7 = Cas				Bond Coverage: Nationwide BLM Bond #: CO-1104					
H_S Operating Pl			DĹ	n DVIN 7: LU-1104	ł				
NABOVE SPACE DESCRIBE	PROPOSED PROGRAM. If	roposal is to deence	ive data	OR Present productive					
eepen directionally, give pertin	ent data on subsurface location	and measured and tru	e vertical	depths. Give blowout preve	ano proposed (nier program, i	new productive zone. If pr f any.	oposal is to drill or		
•• •• •			E.	L. Buttross,	Jr.				
RIGNED C. A. L	Killion Jr.	TITI.	<u> </u>	strict Enginee	r	March	17, 1994		
(This space for Federa	al or State office use)					APPROVAL SOBJ			
	• •					,			
						GENERAL REQUI			
Application approval does no	x warrant or cartify that the appli	cant holds legal or equi	itable title	to those rights in the subject i	ense which way	SPECIAL STIPUL	duct operations thereon.		
CONDITIONS OF APPROVAL		~)		ATTACHED			
1-1		1 lar	Time						
APPROVED BY	call Jour	ene mue		AREA MANAGE	R	MAY 9	1994		
		See Instant	-	on Revene Side					

т. -

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.

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

DISTRICT I

State of New Mexico

Energy, Minerals and Natural Resources Department

EFFBIT #2

Form C-102 Revised 1-1-69

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

DISTRICT II P.O. Drever DD, Artesia, NM 86210

P.O. Box 1980, Hobbs, NK 88240

WELL LOCATION AND ACREAGE DEDICATION PLAT

DISTRICT III 1900 Bis Brusses Bd., Antec, MM 87410

All Distances must be from the outer boundaries of the section

perator Di	EVON ENERGY	CORPORATION	Loase	EAST SHUGA	RT UNIT	Well No. 66
t Letter						
	Section	Township	Range	.		County
L	34	18 SOUTH		31 EAST	NICPM	EDDY
al Footage Lo	cation of Well:					
2300	st from the S	OUTH Ime and	425		feet from	the WEST line
and Level Kis			Pool		Less Hold	Dedicated Acreage:
3619'	One	en Sand		Shugart (V-6P-0-0	
	the second se	to the subject well by colored				
					-	as to working interest and royalty).
if more than		erent ownership is dedicated				been consolidated by communitizati
Yes	No	.r If answer is "yes" type	e of consolidation	L		· · · · · · · · · · · · · · · · · · ·
answer is "po	o list of owners	and tract descriptions which	have actually b	een consolidatee	L. (Use reve	ree side of
allowable w	rill be assigned	to the well unit all inter	sts have been o	consolidated (b	y communi	itization, unitization, forced-pool
		lard unit, aliminating such	Interest, DAS De	en approved by	the Divisio	OPERATOR CERTIFICATION
			1			I hereby certify the the information
	Í		i			contained herein is true and complete to
						best of my knowledge and ballsf.
						E. J. R. Ahon M.
	1		1			Printed Name
			+			E. L. Buttross, Jr.
			l			Posttion District Engineer
	1		Í			Company Devon Energy
	ł					Corporation (Nevada)
	1		İ			Date 3/11/94
						SURVEYOR CERTIFICATION
620.7 3620).4'.					···· · ·······························
	7					I hereby certify that the well location sh
			1			on this plat use plotted from field note
XXX			I			ectual surveys made by me or under Papervison, and that the same is true
618.5 3616	5.7'		1			correct to the best of my knowledge
			I		1 1	bolla/.
11/			1			D. 4. D
* X 1						Date Surveyed
		_	l			JANUARY 28, 1994
<u> </u>	- <i>-</i>		+			Signature & Seal of
5	l		1			Professional Surveyor
2300'	1		1			
	ł					
1	1		1			
	1				1	
	1				4	
					4	Jan Khiller
						Certificate No. JOHN W/WEST,
<u> </u>	l					RONALD IL EIDSON,
330 440	000 1920 107		-		-	BARY L JONES.
330 660	990 1320 185	0 1980 2310 2640	2000 1500	1000 500	0	94-11-0194B

EXHIBIT #1

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

3,800 pel Werking Pressure

3 MWP

STACK REQUIREMENTS

•.

No			Min. LD.	Min. Nominal
1				
2				27
3	Drilling supple			
1	Annular preventer			
5	Two single or one duel h operated rame	ydraulically		
4.	3° min choke line autiets	•		
60	2° min. kill line and 3° m cullets in ram. (Alternate	in. choke line to 6e above.)		
7	Value	Gale D Plug D	3-1/8*	
	Gale valve-power opera	hed	3-1/8"	
9	Line to choke manifold			3.
	Valves	Gate D Plug D	2-1/18*	
11	Check valve		2-1/16"	
12	Casing head			
	Valve	Gele D Plug D	1-13/16*	
14	Pressure gauge with need	le velve		
15	Kill line to rig mud pump m	ballat		



	OPTIONAL
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 3,000 psl, sinimum.
- 2. Automatic accumulator (80 gallen, 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 prevvenier er its equivalent en derrick libor at all times with proper threads to lit pipe being used.
- 5.Kelly sever-sub equipped with rubber casing protector at all times.
- 7. Plug type blowaut preventer tester.
- 8.Extra set pipe rame to lit drill pipe in use en location al all times.
- S. Type RX ring paskets in piece of Type R.

MEC TO FURNISH:

- 1.Bradenhead or casinghead and side vaives.
- 2.Wear 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, fittings, piping, etc., subject to well or pump pressure must be hanged (suitable clamp 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.
- 3.Controls to be of standard design and each marked, showing aponing and ciceing position.
- 4. Chokes will be positioned so as not to hemper or delay changing of choke beens. Replaceable parts for adjustab choke, other been sizes, retainers, and chelle wrenches to be conveniently located for immediate use.
- 5.All velves to be equipped with hendwheels or handles ready for immediate 100.
- 6.Choke lines must be suitably anchored.

- 7.Handwheels and extensions to be connecied and ready lar use.
- 8. Valves adjacent to drilling speel to be kept open. Lies autside veives except for
- emergency. 9.All seemices steel centrel piping (2000 pel working pressure) to have itenibie joints to avoid stress. Hoses will be permitted.
- 18.Casinghead connections shall not be
- 11.Do not use kill line for routine fill-up operations.
- used except in case of emergency.

4

Attachment to Exhibit #1 NOTES REGARDING BLOWOUT PREVENTORS East Shugart Unit #66 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.

MINIMUM CHOKE MANIFOLD 3.800, 5.800 and 10,800 PSI Working Pressure

J MWP - 5 MWP - 10 MWP



SEVEND SUBSTRUCTURE

_				MUM RECI	IFEMENT	6					
			3.800 MMP			S.GOO MINT			10,000 LIMP		
No.		1.0	NOMINAL		LD.	NOMINAL	RATING	LD.	NOMINAL		
1	Line from drilling speel	-	3.	3,000		3.	5,000		3.	10.000	
2	Cress 3"x3"x3"x2"			3.000			5.000		+		
	Crees 3"x3"x3"x3"						_		+		
3	Valves(1) Gate [] Phys [][2]	3-148-		3,800	3-14*		5,800	3-1.8*	<u> </u>	10,000	
4	Valve Gate C Plug (32)	1-13/16*		3,800	1-13/16"		5,000	1-13/16*	 	10,000	
44	Valvac(1)	2-1/18"		3,000	2-1/16"				<u></u>		
5	Pressure Gauge			1.000	6-W 10		5,000	3-141		10,000	
_	Gate C			2,000			5.000			10,000	
•	Valves Plug D(2)	3-118*		3,660	3-1/8*		8,000	3-1/8*		10,800	
7	Adjustable Chele(3)	2*		3.000	2*		5.000	2"	łł		
	Adjustable Choise	1"		3,000	1*		5.000	2"	<u> </u>	10,000	
-	Line		3.	3.000		3-	5.000	<u> </u>	┟────┥	10,000	
10	Line		2"	3.000		7			3.	10,900	
11	Valves Gate D				_		\$,900		3.	10,000	
12	Ping (2)	3-1/8-		3,800	3-1/8*		5.800	3-1/8*		10,000	
-	Lines		3	1,000		3.	1,800		7		
-		l	3*	1,800		3.	1,900		3.	2,800	
м	Remain reading compound standpipe pressure gauge			3.800			5.000	•		2,800	
	Ges Separator		2'15'							10,000	
16	Line	1	6.	1.000		2'15'			2'15'		
17	Volves Gato D		+				1,800		4.	2,800	
<u>" (</u>	Plug D(2)	3-148*		3,800	3-14*		5,800	2-1/8*		10.000	

(1) Only one required in Class 31/.

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

(3) Remain exercised hydroulic alkake required on 5,600 pel and 10,000 pel lar drilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in choire manifold shall be welded, studded, Ranged or Cameran 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 tungston carbide seats and needles, and replacements shall be evaluable.

 Choice menilaid pressure and standpipe pressure gauges shall be evaluable at the choice manifold to assist in regulating choice. As an alternate with automatic choice, a choice manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.

6. Line from drilling speci to chaise manifold should be as straight as possible. Lines downstream from choice shall make turns by large bonds or 90° bands using bull plugged test. 7. Discharge lines from choice, shoke bypeas and from top of gas separator should vent as far as practical from the wait.

NM OIL CONS. COMMISSION Drawer DD Artesia, NM 8821 <u>Aurface use and operating plan</u>	RECEIVED		
Attachment to Form 3160-3 Devon Energy Corporation	Har 28 Card Apen	11 37 AM '94	
East Shugart Unit #57 375' FSL & 1950' FWL Section 35-T18S-R31E			
Eddy County, New Mexico	13.'94		
	SIA, OFFICE		

- A. The well site and elevation plat for the proposed East Shugart Unit #57 are reflected on Exhibit #2. It was staked by John West Engineering of Hobbs, New Mexico.
- B. All roads into the location are depicted in Exhibit #3. County Road #249 will be used to access the location. No upgrades to roads other than the access into location from the lease road will be necessary.
- C. Directions to location: From Hobbs, NM take Highway 62/180 and go approximately 20 miles to Highway 529. Turn northwest onto Highway 529 and go 35 miles to Highway 82. Go west on Highway 82 for 0.4 mile. Turn left (south) off Highway 82 onto County Road 222 and go approximately 8.2 miles through the cattle guard to County Road 249. Turn left (east) and go approximately 1.5 miles east-northeast on County Road 249. Turn right (east) onto lease road and go 0.5 mile. Turn left (north) and go 700'. Turn left (west) and go 300' to location.

2. Proposed Access Road:

Exhibit #3 shows the 300' (\pm) of new access road to be constructed from the lease road. It will be constructed as follows:

- A. The maximum width of the road will be fifteen (15) feet.
- B. It will be crowned and made of 6 inches of rolled and compacted caliche. Water will be deflected, as necessary, to avoid accumulation and prevent surface erosion.
- C. Surface material will be native caliche. This material will be obtained from a BLM approved pit nearest in proximity to the location.

