Form 3169-3 (December 1990)	UNITED) STATES	SUBMIT IN TRIPLICAT	E*	F	16
(December 1990)			(See other instruct		Form approved.	61.1
	BUREAU OF _	.JMANAGEMENT 011	S INSERVATIO,	5.LEASE DE:	SIGNATION AND SERIAL	- NO.
·			5. 18(5).	LC-064050		
	APPLICATION FOR PERM	IIT TO DRILL OR DEEPÉN '	TESIA, NM 88210-2834	6. IF INDIA	N, ALLOTTEE OR TRIBE	NAME
la TYPE OF WORK:	DRILL 🔀	DEEPEN		NA		
b. TYPE OF WELL:				7. UNIT AGRE		
	GAS WELL Other	SINGLE	MULTIPLE		Lake 8910089700	
2 NAME OF OPERA	TOR				LEASE NAME, WELL NO. "Federal#17 /	0 300
	DEVON ENERGY CORP	ORATION (NEVADA)	6137	9.API WELL	/	939/
3. ADDRESS AND T				30-015-	79091	
		TE 1500, OKC, OK 73102			D POOL, OR WILDCAT	
4. LOCATION OF WI At surface 2310	ELL (Report location clearly and in c '' FSL & 990' FEL	accordance with any State require	""D'ECEME	Red Lake (· · · · · · ·	300
			N B B B B B B B B B B	11 EC. ,T. ,	R. M. OR BLOCK AND 4-T17S-R27E	SURVEY OR AREA
At top proposed prod	. zone (SAME)	. т		Section 1-34	4-11/S-K2/E	
14.DISTANCE IN MILES	AND DIRECTION FROM NEAREST TOWN	DR POST OFFICE*	AUG 1 6 1995	12. COUNTY	OR PARTSH	13. STATE
	s southeast of Artesia, NM			Eddy Cou		New
15.DISTANCE FROM PROP	20 MTP			18/1		Mexico
LOCATION TO NEARES		16.NO. OF ACRES IN LEASE 160		JVo	17.NO. OF ACRES A TO THIS WELL	SSIGNED
PROPERTY OR LEASE (Also to nearest drig, unit h			DIST. 2		40	
18.DISTANCE FROM PROP	POSED LOCATION* RILLING, COMPLETED,	19. PROPOSED DEPTH			20.ROTARY OR CABL	E TOOLS*
OR APPLIED FOR, ON		2500'			Rotary	
21.ELEVATIONS (Show wh	ether DF, RT, GR, etc.)				PROX. DATE WORK WILL	START*
GL 3575'				Septe	mber 10, 1996	
23.		PROPOSED CASING AND C				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF	CEMENT
17 1/2"	13 3/8"	Conductor	40'	R	Redimix	-
12 1/4"	8 5/8", J-55	24 ppf	1000'		00 sx Lite + 200 sx C	
7 7/8"	5 1/2", J-55	15.5 ppf	2500'	1	00 sx Lite + 200 sx C	lass C

* Cement will be circulated to surface on all casing strings.

Devon Energy plans to drill to 2500' +/- to test the San Andres Formation for commercial quantities of oil. If the San Andres is deemed non-commercial, the wellbore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments.

BLM Bond File No.: CO-1104

Drilling Program Surface Use and Operating Plan

Exhibit #1 - Blowout Prevention Equipment

Exhibit #1-A - Choke Manifold

Exhibit #2 - Location and Elevation Plat

Exhibit #3 - Planned Access Roads

Exhibit #4 - Wells Within a One Mile Radius

Exhibit #5 - Production Facilities Plan

Exhibit #6 - Rotary Rig Layout

Exhibit #7 - Casing Design Parameters and Factors

Exhibit #8 - H2S Operating Plan

operations conducted on the leased land or portion thereof, as desori Bond Coverage: Nationwide

The undersigned accepts all applicable terms, conditions, stipulation, and restrictions concerning

DATE

DATE

tegeise**mente** a Seecial Stipulations

Attached

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive e zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. 24

E.L. Battions h SIGNED

E. L. BUTTROSS, JR. TITLE DISTRICT ENGINEER

July 10, 1996

*(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

IREA MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY:

/s/	J	OA	١N	R.	F	LO	R	EZ
-----	---	----	----	----	---	----	---	----

APPROVED BY

TITLE See Instructions On Reverse Side

AUG 12 1996

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

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

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

DISTRICT III 1000 Rio Brazos Rd., Aztec, NN 87410

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Instruction on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

BOCOLS- Property Code Source Departure Masse Red Lake (Q-CB-SA) OCUB No. 0137 Devon Energy Corporation Devon Energy Corporation I or bot No. 1 34 Neretian 3575' Surface Location Surface Location Surface Location Neretian 3575' Ut or bot No. 1 34 To make 1 7 Range Lot Man Range Fer Henn the Surface Location I for bot No. 1 34 Range 1 27 E Lot Man Fer Henn the Fer Henn the Surface Location I for bot No. 1 34 Range Lot Man Lot Man Fer Henn the Fer Henn the Surface Location I for bot No. 1 34 Range Lot Man Lot Man Fer Henn the Fer Henn the	API	T	Pool Code		<u> </u>		Pool Name		•			
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3.000 psi Working Pressure

EXHIBIT 1

3 MWP

STACK REQUIREMENTS

No.	Hem		Min. I.D.	Min. Nominal
1	Flowline			
2	Fill up line		1	2.
3	Drilling nipple		1	
•	Annular preventer			
5	Two single or one dual hyd operated rams	autically		
61	Drilling spool with 2" min. I J" min choke line putiets	ill line and		
6 b	2° mm. kill line and 3° min. outlets in ram. (Allernate to			
7	Valve	Gale D Piug D	3-1/8*	
8	Gale valve-power operated	1	3-1/8"	
9	Line to choke manifold			3.
10	Valves	Gale C Piug C	2-1/16*	
11	Check valve		2-1/16-	
12	Casing head			
13	Vaive	Gate D Piug D	1-12/18*	
14 1	Pressure gauge with needle	valve		
15 1	Kill line to rig mud pump man	hiold		2'

OPTIO	NAL	
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, minimum.
- Automatic accumulator (80 gation, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure.
- 3.80^p 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.
- 8. Type RX ring gaskets in place of Type R.

MEC TO FURNISH:

- 1.Bradenhead or casinghead and aide 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, valves, fittings, piping, etc., subject to well or pump pressure must be Sanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through chore. Valves must be tuil opening and suitable for high pressure mud service.
- 3.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 size! control piping (3000 pai working pressure) to have Rexible 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

Attachment to Exhibit #1 NOTES REGARDING BLOWOUT PREVENTORS Devon Energy Corporation (Nevada) Eagle "34I" Federal #17 2310' FSL & 990' FEL Section I-34-T17S-R27E 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 3.000, 5.000 and 10,000 PSI Working Pres

3 MWP - 5 MWP - 10 MWP

EXHIBIT 1A



			MIN	UN REOU	REMENT	5				<u> </u>
		3.000 MWP		\$,000 MWP			10,000 MWP			
No		1.D	NOMINAL	RATING	1.D.	NOMINAL	RATING	1.D.	NOMINAL	RATING
1	Line from drilling spool		3.	3,000		3.	\$.000	_	2.	10.000
2	Cross 3"13"13"12"			3.000			5,000			
4	Cross 3"x3"x3"x3"									10,000
з	Valves(1) Gale D Plug D(2)	3-1/8*		3.000	3-1/8*		\$,000	3-1/8*		10,000
4	Valve Gale C Plug D(2)	1-13/16*		3,000	1-13/16*		5,000	1-13/16*		10,000
42	Valves(1)	2.1/16*		3,000	2-1/16*		5,000	3-1/6*		10,000
5	Pressure Gauge			3,000			5,000			10,000
6	Valves Gale C Plug D(Z)	2-1/6*		3,000	3-1/8*		\$,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	t*		5,000	2*		10.000
9	Line	1	3.	3,000		2.	5,000		3.	10,000
10	Line		27	3.000		5.	5,000		3.	10,000
11	Valves Gale D Plug D(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 pauge			3.000			5,000			10,000
15	Gas Separator		2'15'			2'15'			2'x5'	
16	Line		C	1,000		4*	1,000		4-	2.000
17	Valves Gala D Plug D(2)	3-1/8*		3,000	3-1/8*		\$.000	3-1/8*		10,000

(1) Only one required in Class 3M.

(2) Gate valves any shall be used for Cless 10M.

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

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 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.
- 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 tess.
- 7. Discharge lines from chokes, choke bypass and from top of gas separator should vent as far as practical from the well.