Form 3160-3 (December 1990)

UNITE STATES A CORPUTATION Section Sec

APPLICATION FOR PERMIT TO DRILL OR DEEPEN In TYPE OF WORK: DRILL SO DEEPEN TYPE OF WORK: Other TYPE OF WORK: OTHER SAME SETTING THE SAME SETTING OF THE SAME SET		BUREAU OF LA	ND MANAGEMENT	ARTESIA, NM 88210-283	5.LEASE	DESIGNATION AND S	ERIAL NO.
IN TYPE OF WORK: DITEO Other Ot	API	PLICATION FOR PER	MIT TO DRILL OR	DEEPEN			TRIBE NAME
2 NAME OF OPERATOR SELL SOUTH					_ !		
2 NAME OF OFFICATION 3 ADDRESS AND TELEPHONE NO. 3 ADDRESS AND TELEPHONE NO. 4 LOG PROPAGE OF ALLEY COMPONENT COM						AGREEMENT NAME	
DEVON ENERGY CORPORATION (NEVADA) ADDRESS AND TELEPHONE W. AL IDENTIFICATION OF WELL LEGADY Construction durity and in accordance with any State requirements) AL SUFFICE TO RELEGATION CONTROL (SAME) AL IDENTIFICATION OF WELL LEGADY FORMAND CONTROL (SAME) AL IDENTIFICATION OF MACHINE STATES OF SAME STATES OF SAME STATES OF SAME STATES OF SAME SAME STATES OF SAME SAME STATES OF SAME SAME SAME SAME SAME SAME SAME SAME						OR LEASE NAME, WEL	L NO.
A LOCATION OF WELL (Report locations clearly) and in accordance with any State requirements. 4. LOCATION OF WELL (Report locations clearly) and in accordance with any State requirements. At surface I Sale (Sale Pett.) At surface I Sale (Sale Pett.) At top proposed prod. cone (SAME) 11. SITEMATE THE REGISTRY, IN., OR SIDER ME SOUTH OF ANY STATE OF THE SALE SALE SALE SALE SALE SALE SALE SAL	2 NAME OF OTERA		ORATION (NEVADA)	6177			19401
AL LOCATION OF WELL (Report locations clearly and in accordance with any State requirements)* Al surface 1 Sales Field, 360 FWL Alt top proposed prod. cone (SAME) IT. DEFENCE FIRST STATE SALES LAW STATES SALES SALES FOR OR ROOT OFFICE Approximately 6 miles southerst of Artesia, NM Interference First FROGER LOCATION OF WELL (Report Records) Interference FROGER LOCA	3. ADDRESS AND T	CL EDUONE NO		Pr			2 72
Actuation of Inches Post, a 960 Five. Altop proposed prod. zone (SAME) 11. 03157802 138 ALEES AND DETECTION 18th REALEST 5000 08 POST OFFICE- Altop proposed prod. zone (SAME) 11. 03157802 138 ALEES AND DETECTION 18th REALEST 5000 08 POST OFFICE- Altop proposed prod. zone (SAME) 11. 03157802 138 ALEES AND DETECTION 18th REALEST 5000 08 POST OFFICE- Approximately for xeasons and the season of the season	4 LOCATION OF WE	20 N. BROADWAY, SUIT	TE 1500, OKC, OK 73102 ((405) 235-361CC		(TD)	DCAT C
At 100 proposed prod. 2001c (SAME) 11. STATES IN HILES AND EXECUTED 18th HALLS NO LANGE 18th HALLS NO LAN			accordance with any State requ	irements)*			51300
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### Conductor ##	G2 0007				Jun	ie 15, 1997	
Size of Bole CARDE, SIZE OF CASENG 17 1/2" 14" SSSR, J55 24 ppf 1150' Cement will be circulated to surface on all casing strings. Devon Energy plans to drill to 2800" /- 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. Drilling Program Concerning Surface Use and Operating Plan Exhibit #1 - Blowout Prevention Equipment Exhibit #3 - Choke Manfold Exhibit #3 - Location and Elevation Plat Exhibit #4 - Wells Within a One Mile Radius Exhibit #4 - Wells Within a One Mile Radius Exhibit #5 - Production Facilities Plan Exhibit #6 - Rodary Rig Layout Exhibit #7 - Casing Design Parameters and Factors H ₃ Operating Plan IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal in Cemeral Plans IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal in Cemeral Plans Exhibit #6 - Brown of the Control of Cemeral Plans Exhibit #6 - Brown of the Control of Cemeral Plans Exhibit #6 - Brown of Control of Cemeral Plans Exhibit #6 - Brown o	23		PROPOSED CASING AND	CEMENT	A DEPOS	I PR WATE	
12 1.4" 8 5.8", J55 24 ppl 1150" EXECULAR SWILLESS 77.8" 5 12", J55 15.5 ppl 2800" 150 sx Lite + 350 sx Class C * Cement will be circulated to surface on all casing strings. Devon Energy plans to drill to 2800" 150 sx Lite + 350 sx Class C * Cement 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. Drilling Program		GRADE, SIZE OF CASING		SETTING DEPTH		QUANTITE	Y OF CEMENT
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*Cement will be circulated to surface on all casing strings. Devon Energy plans to drill to 2800+/- 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. Drilling Program		· · · · · · · · · · · · · · · · · · ·		1150'	 -	STREET	SXWITNESS
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E. L. BUTTROSS, JR. SIGNED E. J. B. L. BUTTROSS, JR. TITLE DISTRICT ENGINEER DATE Approval DATE 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 conduct operations.	concerning Surface Use and Op Exhibit #1 - Blowou Exhibit #1-A - Chok Exhibit #2 - Locatio Exhibit #3 - Plannec Exhibit #4 - Wells W Exhibit #5 - Product Exhibit #6 - Rotary Exhibit #7 - Casing the Soperating Plan IN ABOVE SPACE DE	t Prevention Equipment se Manifold n and Elevation Plat l Access Roads Vithin a One Mile Radius tion Facilities Plan Rig Layout Design Parameters and Factors SCRIBE PROPOSED PROGRA	operations con Bond Coverage BLM Bond Fit APPROVAL GENERAL FIT SPECIAL ST M: If proposal to ATTACHED.	ducted on the leased land or pose. Se: Nationwide le No.: CO-1104 SUBJECT TO REQUIREMENTS AND TIPULATIONS	ortion there	Position of the second	ove. TID-1 -13-97 voc 4 1912
*(This space for Federal or State office use) PERMIT NO	any.	eepen directionally, give pertinen	E. L. I	and measured and true vertica	l depths. G	ive blowout prever	ater program, if
APPROVAL DATE 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:			TITLE DIST	KICI ENGINEER DA	ATE	7/28/	<u> </u>
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 CONDITIONS OF APPROVAL, IF ANY:		,		APPROVAT. Dame			
CONDITIONS OF APPROVAL, IF ANY:							
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See Instructions On Reverse Side	DI				DA	TE	- / /

State of New Mexico

Energy, Minerals and Natural Resources Department

chibit 2

Pool Name

Red Lake (Q-GB-SA)

Form C-102 Revised February 10, 1994

Instruction on back Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

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

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

API Number

Property Code

OGRID No.

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

Well Number

Elevation

2

WELL LOCATION AND ACREAGE DEDICATION PLAT

Property Name

Eagle 35 L Federal

Operator Name

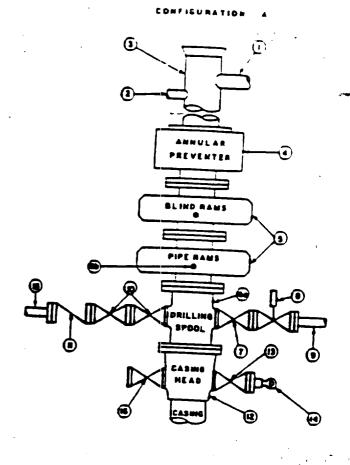
Pool Code

		ber		Devon	Energy Cor	rporation		360	
<u> </u>		·			Surface Loc	····			
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
L	3 5	17 S	27 E		1820	South	960	West	Eddy
		•	Bottom	Hole Loc	cation If Diffe	rent From Sur	face		
UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
									'
Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Or	der No.				
					W				
NO ALLO	WABLE W	FILL BE AS	SSIGNED '	TO THIS	COMPLETION U	NTIL ALL INTER APPROVED BY	RESTS HAVE BE	EEN CONSOLIDA	ATED
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	~ 	·			!		SURVEYO	R CERTIFICAT	NOL
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3601.B	3607.	3 ,					supervisor, an	d that the same is	true and
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7777	\sqrt{N}						Date Surveye Signature &	Seal of	Çi.
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	1				[11 %	Gary L Jones	7977
	<u> </u>	<u></u>						SIN SURVEYS	

3 MWP

STACK REQUIREMENTS

1	to	Hem .	Min LD	Min. Nomina
Г	! Flowing			1
	? Fill up time		2"	
	Drilling repote			
	Annual preventer			
5	Two single or one operated rame	dual hydrauhcally		
64	Drilling speel with 3° min choke and			
60	2° mm. kill bne and outlets in ram. (Alle		-	
7	Valve	Gate D	3-1/6*	
1	Gate valve—power	betated	3-1/8"	
9	Line to choke manif	old	 	3.
10	Valves	Gale [] Plug []	2-1/18"	
11	Check valve		2-1/16"	
12	Casing head			
13	Valve	Gale D Plug D	1-13/18"	
14	Pressure gauge with needle valve			
15	Kill ime to rig mud pu			



	OPTIONAL
16 Flanged valve	1-13/16"

CONTRACTOR'S OPTION TO FURNISH:

- 1. All equipment and connections above bradenhead or casinghead. Working pressure of preveniers to be 3,000 psi. THE PARTY.
- 2. Automatic accumulator (80 pallon, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full raied working pressure.
- 3.80P controls, to be located near drillers position.
- 4. Kelly equipped with Kelly cock.
- E.inside blowout prevventer or its equivalent on derrick floor at all times with proper threads to fit prop being used.
- 6. Kelly saver-sub equipped with rubber casing protector at all times.
- 7. Plug type blowaut prevenier tester.
- 8.Ezura set pipe rama to ât drill pipe in vee on location at all times.
- 1. Type RX ring gaskets in place of Type R.

MEC TO FURNISH:

- 1.Bradenhead or casinghead and side
- 2. Weer 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, voives, Strings, piping, etc., subject to well or pump pressure must be Ranged (suitable clamp connections acceptable) and have minimum warting pressure equal to raied working procesure 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 eponing and closing position.
- 4. Chokes will be positioned so as not to hamper or delay changing of choke beans. Replaceable parts for edjustable chane, other bean sizes, retainers, and Shake wrenches to be conveniently incased for immediate use.
- S.All valves to be equipped with hendwheels or handles ready for immediate **476**.
- 6. Cheke lines must be suitably enchared.

- 7. Hendwhitels and extensions to be connected and ready for use
- 8. Valves adjacent to drilling spool to be kept spen. Use outside valves except for merpenty.
- 8.Ali seemisss steel control ploing (3000 pai working pressure) to have fiexible joints to avoid stress. Hosse will be permitted
- 18. Ceanghest connections shall not be used exclipt in case of emergency.
- 11.Do not use kill line for routine fill-up **Operations**

Attachment to Exhibit #1 NOTES REGARDING BLOWOUT PREVENTORS

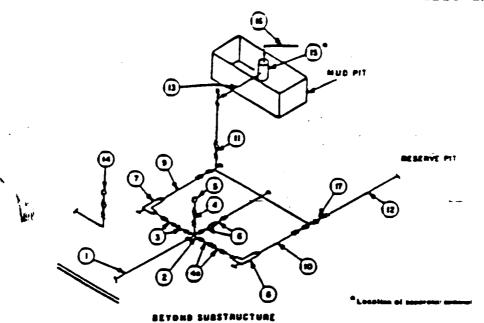
Devon Energy Corporation (Nevada)
Eagle "35L" Federal #2
1820' FSL & 960' FWL
Section L-35-T17S-R27E
Eddy County, New Mexico

- 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 Werking Pres

3 MWP - 5 MWP - 10 MWP

EXHIBIT 1A



			MEN	MUM REQU	JREMENT:	5					
			3.000 MWP			5.500 MWP			10,000 MWP		
No		I.D	NOLUNAL	RATING	LD.	NOMINAL	RATING	1.ID	INOMINAL	RATING	
1	Line from drilling speel		3.	3.000		3.	5.000		3.	1D.000	
2	Cress 3"83"83"82"			3.000			5.000				
	Cress 3°=3°=3°=3°									10,000	
3	Verves(1) Gase [] Plug [D[2]	3-1/6"		3.000	3-1/6"		5.000	3-1/6"		10,000	
4	Valve Plug (D(Z)	1-13/16*		3,500	1-13/16*		8.000	1-13/16"		10.000	
48	Values(1)	2-1/16"		3.000	2-1/16"		5.000	3-1/8"	 	10.000	
5	Pressure Gauge	1		3.000			5,000		 -	10,000	
6	Valves Gale [3-1/8.		3,000	3-1/6"		5,000	3-1/6*		10.000	
7	Adjustable Chane(3)	2"		3.000	2-		5.000	2.		10.000	
	Admistable Chane	1*		3.000	1.		5.000	7.	 	10.000	
•	Line	1	3-	3.000	_	3.	3.000		3.		
10	Line		7"	3,000		7-	5.000			10,000	
11	Varves Gate () Plug ()(2)	3-1A*		3.000	3-18"	-	\$.000	2-1/E*	2.	10.000	
_	Lines		3.	1,000		3.	1.000		3-	2.000	
13_	Lines		2.	1,000		3.	1.000		3-		
14	Remain reading compound standards property			3.000			5.000			2.000	
15	Gas Separate		2's5'			2'=5'					
16	Line		1.	1,000		4:	1.000		2'x5'		
17	Various Case D						1.000		4.	2.000	
••	Pag D(2)	311F		3.000	3-1A.		8.000	2-1A1*		10,000	

- (1) Only one required in Class 3M.
- (2) Gots valves-any shall be used for Class 10M.
- (3) Remain aperated hydroulic chain required on 5,000 pal and 10,000 pal for shilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
- 2. All tanges shall be API 6B or 6BX and ring paskets 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 evaluable.
- 5. Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating Chances. As an alternate with automatic chances, a Choice manifold pressure gauge shall be located ain the rig hoor in con-
- junction with the standpipe pressure gauge.

 5. Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by targe bands or 80° bands using bulk plugged tees.
- 7. Discharge lines from chokes, chake bypass and from top of ges separator should vent as fer as practical from the well