Form 3160-3 (Lecember 1990)		D STATES MM OI THE INTERN MANAGEMENTES	CONS. COMMISSI BRDD (***********************************	QN	Form approved.	<u>Cki</u>
	BUREAU OF L	HUND MANAGEMENT	(F4) (9761 UUSAV	LC 029	DESIGNATION AND SER	IAL NO.
	APPLICATION FOR PERM	AIT TO DRILL OR DEEPEN				
la TYPE OF WORK:				NA	IAN, ALLOTTEE OR TR	IBE NAME
	DRILL 🔀	DEEPEN			GREEMENT NAME	<u> </u>
h TYPE OF WELL:	GAS Other	SINGLE Zone		NA		
2. NAME OF OPERA					R LEASE NAME, WELL	NO.
		RATING CORPORATION	136025-36	. KEEL "	/3	968
3. ADDRESS AND T				9. API WE		•
A LOCATION OF W	20 N. BROADWAY, SUT	TE 1500, OKC, OK 73102	(405) 552-4560	<u>50</u>	-015-29	484
4. LOCATION OF W At surface 49' I	ELL (Report location clearly and in SL & 2612 FEL 2524'///	NON-	ements)* •• CUBICOT TO	GRAYB	AND POOL, OR WILDO	48502 RUS.G.6B.SA
At top proposed proc	Unit (SALVIE)	ANDARD	LIKE APPROVAL By state		T., R., M., OR BLOCK A DN 5-T17 S - R31 E	
	AND DIRECTION FROM NEAREST TOWN iles north of Loco Hills, N.M.	OR POST OFFICE*		12. COUN EDDY	TY OR PARISH	13. STATE
		_				NM
15.DISTANCE FROM PRO LOCATION TO NEARE		16.NO. OF ACRES IN LEASE		1 _	17.NO. OF ACRES	ASSIGNED
PROPERTY OR LEASE (Also to nearest drig, unit)	LINE, FT. 2612	1885.00	Post ID-1		TO THIS WELL 40	
18.DISTANCE FROM PROM TO NEAREST WELL, I OR APPLIED FOR, ON	WILLING, COMPLETED,	19. PROPOSED DEPTH 4000	5-5-95	APE	20. ROTARY OR CAR Rotary	LE TOOLS*
21.ELEVATIONS (Show wi 3812 GR	hother DF, RT, GR, etc.)		- VIIII DEP- 4		APPROX. DATE WORK W Uary 1, 1995	ILL START*
23.		PROPOSED CASING AND C	EMENTING PROGRAM			<u> </u>
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	I	QUANTITY	OF CEMENT
12 1/4"	8 5/8" J-55	24.0#	400'		.65 sk lite cmt + 20	
7 7/8"	5 1/2" J-55	15.5#	4000'		00 sk Class "C" 35/	
					C" + 1/4 lb/sk cell	

We plan to circulate cement to surface on all casing strings. Devon Energy Operating Corporation proposes to drill to 4000' to test the Grayburg-Jackson formation for commercial quantities of oil. If the Grayburg-Jackson 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. Delline Dee

Drining Program	The undersigned accepts all applicable	and the second second
Exhibits #1/1-A = Blowout Prevention Equipment	terms, condition, stipulations and	
Exhibit #2 = Location and Elevation Plat	Freetrictions concerning onenetions	
Exhibit #3/3-A = Road Map and Topo Map	conducted on the leased land or portions	
Exhibit #4 = Wells Within 1 Mile Radius	thereof, as described below:	
Exhibit #5 = Production Facilities Plat 10 0 0	CLease No. LC029435-B	Physical Action 1998 (1999) 100 (1999) 10
	Legal Description: Section 5-T17N-R31E	
Exhibit #7 = Casing Design	Bond Coverage: Nationwide	
Exhibit #7 = Casing Design H2S Operating Plan	BLM Bond No.: CO1151	
空画数 + 14		

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive 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.

SIGNED Charppepson	RANDY JACKSON 	· C/Z/(+/
*(This space for Federal or State office use)		STROVAL SUBJECT TO
PERMIT NO	APPROVAL DATE	GENERAL REQUIREMENTS AND
Application approval does not warrant or certify that the applicant hold CONDITIONS OF APPROVAL, IF ANY:	is legal or equitable title to those rights in the subject lease which would entit	e the applicant to conduct operations thereon.
APPROVED BY	TITLE Comp	ATEAPIN 200 1355

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

Form 316 ^o 5		TED STATES	
(June 1990)		T ' F THE INTERIOR	
	BUREAU OF L	D MANAGEMENT	FORM APPROVED Budget Bureau No. 1004-0135
	SUNDRY NOTICES	AND REPORTS ON WELLS	Expires March 31, 1993 5. Lease Designation and Serial No.
o not use this form		r to deepen or reentry to a different reservoir.	LC029435-B
U:	SE "APPLICATION FO	R PERMIT—" for such proposals	6. If Indian, Allottee or Tribe Name
	SUBMIT	IN TRIPLICATE	 NA
Type of Well	<u>.</u>		7. If Unit or CA, Agreement Designation
	Other		NA
Name of Operator DEVON ENERG	Y OPERATING CORPORA	TION	8. Well Name and No.
Address and Telephone No			Keel B #86
•		AHOMA CITY, OKLAHOMA 73102 (405)552-4527	9. API Well No.
	Sec., T., R., M., or Survey De		10. Field and Pool, or Exploratory Area
49' FSL & 2520' FW	-		Grayburg-Jackson
			11. County or Parish, State
			Eddy Co., NM
TYPE OF SUB) TO INDICATE NATURE OF NOTICE, REP	
		TYPE OF ACTIO	N
Notice of Intent		Abandonment	Change of Plans
Subsequent Report		Recompletion Plugging Back	New Construction
a succedure response			Non-Routine Fracturing
		Casing Renair	Water Shut Off
Final Abandonment Noti	ce	Casing Repair Altering Casing	Water Shut-Off
] Final Abandonment Noti	ce	 Casing Repair Altering Casing Other <u>Change location</u> 	Conversion to Injection Dispose Water
Describe Proposed or Comple	ted Operations (Clearly state all per	Altering Casing Other Change location	Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Compilation of Report results of multiple completion on the formation of the formatio
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DISTPICT I P. O. Box 1980 Hobbs, NM 88241-1980

DISTRICT II P. O. Drawer DD Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brozos Rd. Aztec, NM 87410

DISTRICT IV P. O. Box 2088 Santa Fe, NM 87507-2088

State of New Mexico Energy Vinerals, and Natural Resources Depaent

Form C-102 Revised 02-10-94

instructions on back

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Grayburg Jackson 'Property Rama KEEL 'B' FEDERAL 'Vall Number ''Service Name DEVIN ENERGY UPERATING CUMPANY Sage ''SURPACE LOCATION ''SURPACE LOCATION UL or lot an Section Termakip Range Let Ide Feet from the North/South line Peet from the Rast/Yest line Consult ''Bortrom Hole LoCATION IF DIFFERENT FROM SURFACE ''Bedicted Acres ''Bortrom Hole LoCATION IF DIFFERENT FROM SURFACE ''Bedicted Acres '' Consolidation Code ''Order No. '''Bedicted Acres ''' Consolidation Code '''''''''''''''''''''''''''''''''''	I API Number		· · · · -	² Pool Code		3 Po	ol Name	e					
*Property Code *Property Name KEEL 'B' FEDERAL *Fail Number 986 *OGED No. *Operator Name DEVON ENERGY DPERATING CDMPANY *Birration: 3809* *Ul or lot no. 5 17 SOUTH 31 EAST, N.M.P.M. Ide is from the North/South line Forth the East/Vest line County 2520* *BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE *Bottom the North/South line Forth Stat/Vest line County Torenakip *BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE *Bottom the North/South line Forth Stat/Vest line County County *BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE *Bottom the North/South line Forth Stat/Vest line County County *BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE *Bottom the North/South line Forth Stat/Vest line County County *BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE *Bottom the North/South line Forth Stat/Vest line County County *BOTTOM ADDE MELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION OPERATOR CERTIFICATION / Article Artis Article Article Article Artis Article Art									vburg Is	che	0.7		
No No<	+ Property Co	da	B Property N						young Ja	CK SI		<u> </u>	
Operator Name * Operator Name DEVID ENERGY DERATING COMPANY * Heretical 3800* * SURFACE LOCATION * Bottom the Nexth/South line * BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE * Bottom to Section to remain the Nexth/South line * Bottom to Section to remain the Nexth/South line * Bottom to Infill * Consolution to Infill * Constall part to Infill </td <td>inoperty Co</td> <td>ut</td> <td>- rroperty N</td> <td></td> <td>V</td> <td></td> <td></td> <td></td> <th>.1</th> <td></td> <td></td> <td></td> <td></td>	inoperty Co	ut	- rroperty N		V				.1				
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Ult or lot no. Section Township Bange Let Ma Pact from the Morth/South line Peet from the Morth/S					18 (17 17		100					<u>+</u>	
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¹⁰ Dedicated Acres ¹⁰ Joint or Infill ¹¹ Consolidation Code ¹¹ Order No. NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION OPERATOR CERTIFICATION / hereby certify that the information contained herein is true and complete to the best of my knowledge and beief. Signature Colored Signature Colored Colored Signature Colored Signature Colored S	UL or lot no.	Section	Township	Rang	e	Lot Ida	Feet f	rom the	North /South	line	Feet from the	Fast /Wast line	C
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Form 3160-5 (June 1990)

UNITED STATES DEPARTMEN *)***F THE INTERIOR** BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE	NA
1. Type of Well	7. If Unit or CA, Agreement Designation
⊠ Oil Gas Dother Well Well Other	NA
2. Name of Operator	8. Well Name and No.
DEVON ENERGY OPERATING CORPORATION 3. Address and Telephone No.	J. L. Keel "B" 86
	9. API Well No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405)552-4527	30-025-74
4. Location of Well (Footage. Sec., T., R., M., or Survey Description)	10. Field and Pool, or Exploratory Area
49' FSL & 2520' FWL, Sec. 5-T17S-R31E	Grayburg-Jackson
	11. County or Parish, State
	Eddy Co NM

FORM APPROVED Budget Bureau No. 1004-0135 Expires March 31, 1993

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

LC-029435-B

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION

Notice of Intent	Abandonment	Change of Plans
Subsequent Report	Recompletion	New Construction
X Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	Other <u>Change name of well</u>	Dispose Water
		(Note: Report results of multiple completion on Well

Completion or Recompletion Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please note change of well name:

from Keel "B" # 86 or Keel "B" Federal # 86

to J. L. Keel "B" # 86

Signed Karen Rosa	KAREN ROSA ENGINEERING TECHNICIAN	Date <u>3/16/95</u>
(This space for Federal or State office use)		
Approved by Conditions of approval, if any:	Title (taling)	Date
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to n	nake to any department or some of the United States and 61.	
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to n any matter within its jurisdiction.	the United States any faise, he	titious or traudulent statements or representations as to

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

3,000 psl Working Pressure

3 MWP

EXHIBIT #1

	STAC	K REQUIREME	NIS	
No.	item		Min. I.D.	Min. Nominal
1	Flowline			
2	Fill up line			2"
3	Drilling nipple			
4	Annular preventer			
5	Two single or one dual operated rams			
6a	Drilling spool with 2" m 3" min choke line outlet			
6 b	2" min. kill line and 3" i outlets in ram. (Alternat			
7	Valve	Gate 🛛 Piug 🗅	3-1/8"	
8	Gate valve-power ope	rated	3-1/8"	
9	Line to choke manifold			3"
10	Valves	Gate D Plug D	2-1/16"	
11	Check valve		2-1/16*	
12	Casing head			
13	Valve	Gate 🖸 Plug 🗇	1-13/16*	
14	Pressure gauge with ne	edie valve		
15	Kill line to rig mud pum	p manilold		2"

	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 psi, minimum.
- 2.Automatic accumulator (80 gallon, 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 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. 9. Type RX ring gaskets in place 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 express permission of MEC's Drilling Manager.
- 2.All connections, valves, fittings, piping, etc., subject to well or pump pressure must be flanged (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 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.
- 5.All valves to be equipped with handwheels or handles ready for immediate USB.
- 6. Choke lines must be suitably anchored.

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- 7.Handwheels and extensions to be connected and ready for use.
- 8.Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
- 9.All seamless steel control piping (3000 psi working pressure) to have flexible 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 Grayburg-Jackson Field 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 BOPE 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 W.P. 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 Pressure

3 MWP - 5 MWP - 10 MWP

EXHIBIT #1-A



BEYOND SUBSTRUCTURE

			MINI	MUM REQL	IREMENTS	5				_	
		3.000 MWP				5,000 MWP			10,000 MWP		
No.		I.D.	NOMINAL	RATING	1.D.	NOMINAL	RATING	1.D.	NOMINAL	RATING	
1	Line from drilling spool		3-	3,000		3-	5.000		3-	10.000	
2	Cross 3"x3"x3"x2"			3,000			5.000				
	Cross 3"x3"x3"x3"									10,000	
3	Valves(1) Gate D Plug D(2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"	<u> </u>	10,000	
4	Vaive Gate [] Plug [](2)	1-13/16*		3,000	1-13/16"		5,000	1-13/16*		10,000	
4a	Valves(1)	2-1/16"		3,000	2-1/16"		5,000	3-1/8*	<u> </u>	10.000	
5	Pressure Gauge			3,000			5,000		<u> </u>	10,000	
6	Valves Gate C Plug D(2)	3-1/8*		3,000	3-1/8-		5,000	3-1/8"		10,000	
7	Adjustable Choke(3)	2"		3,000	2"		5.000	2"	+	10,000	
8	Adjustable Choke	1*		3,000	1.		5,000	2*		10,000	
9	Line		3"	3,000		3.	5.000		3-	10,000	
10	Line		2.	3,000		2.	5.000		3.	10,000	
11	Valves Gate 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 gauge			3.000			5,000			10,000	
15	Gas Separator		2'x5'			2'x5'					
16	Line		4*	1,000		4.	1,000		2'x5'	2.000	
17	Valves Gate [] Plug [](2)	3-1/8"		3,000	3-1/8*		5,000	3-1/8"		10,000	

(1) Only one required in Class 3M.

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

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

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 1. All connections in choke 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.
- 6. 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 tees.
- 7 Discharge lines from chokes, choke bypass and from top of gas separator should vent as far as practical from the well

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