Form 3160-3 'December 1990)	DEPART	· · ·	STATES	ERIOF		LISTEN	DIV	Form approved.	clift
			ND MANAGEMEN			M 88210	2694 C-02939	ESIGNATION AND SET 95-B	RIAL NO.
	APPLICATIO	FOR PERMI	T TO DRILL OR DEE	PEN		6.1	FINDL	AN, ALLOTTEE OR TI	RIBE NAME
la TYPE OF WORK:	DRILL	X	DEEPEN			NA			
b TYPE OF WELL:	OAS WELL	Other	SINGLE ZONE		MULTIPEE	NA	L	REEMENT NAME	
2 NAME OF OPERA				18	6025			LEASE NAME, WELL B" $\#124$ / μ	NO.
3. ADDRESS AND T		RGY OPERA	TING CORPORAT	10N 7.2		9.8	PI WEL	L NO.	100
3. ADDRESS AND II		WAY, SUIT	E 1500, OKC, OK 7	3102 (40	5) 552-4560			215-2910	
	FNL & 2590' FWI	-	A THOM :	requireme Si bjbat Liko Ap Hy Stot		GI	RAYBI	and pool, or wild JRG-JACKSON	B-SA AND SURVEY OR AREA
14.DISTANCE IN MILES			R POST OFFICE*			1		Y OR PARISH	13. STATE
5 miles East & .5 m	ile North of Loco	Hills, N.M.				ED	DY		NM
15.DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE	T	2420'	16.NO. OF ACRES IN 1786.15	LEASE				17.NO. OF ACRES TO THIS WELL 40	ASSIGNED
Also to nearest drig, unit hi 18 DISTANCE FROM PROP	ncifany) OSED LOCATION* RILLING, COMPLETED,		19. PROPOSED DEPTH					20. ROTARY OR CA	BLE TOOLS*
OR APPLIED FOR, ON	-	150'	2200'					Rotary	
21.ELEVATIONS (Show wh 3659	ether DF, RT, GR, etc.)							PPROX. DATE WORK ≥ 30, 1996	WILL START*
23.			PROPOSED CASING	AND CEM	IENTING PROGRAM	M			<u> </u>
SIZE OF HOLE	GRADE, SIZE	OF CASING	WEIGHT PER FO		SETTING D			QUANTITY	OF CEMENT
12 1/4"	8 5/8" J-55		24.0#		320 425			25 sk Lite cmt + 2	
7 7/8"	5 1/2" J-55		15.5#		2200'	. <u></u>	33	30 sk Lite cmt + 3	360 sk Class "H"
the Seven Rivers plugged and aba following exhibit <u>Drilling Program</u> Exhibits #1/1-A Exhibit #2 Exhibit #3/3-A Exhibit #4 Exhibit #5/5A Exhibit #6 Exhibit #7	s formation for o indoned per Fed ts and attachmen = Blowout Prev = Location and = Road Map an = Wells Within = Production Fi = Rotary Rig I = Casing Design	ommercial of eral Regulat its. ention Equip Elevation Pl d Topo Map 1 Mile Radi icilities Plat ayout	oment at us Lea Leg	f the Sev adhere undersig term rest cont ther se No. La al Descri d Cover: LaBond 2	en Rivers is deen to onshore oil and gned accepts all a ns, condition, stij rictions concerni ducted on the lea reof, as described C-029395-B ption: Section 20 age: Statewide in No.: CO1151	ned non-co d gas regu applicable pulations : ng operati sed land o below: 0-T17S-R3 n CO, NM	omme lation and ions r por 31E (, UT, propos	ercial, the well as are outlined <i>Maio</i> - tions & WY	bore will be in the Post IV- 9-27-96 Loc + API
	tord be		TITLE	RANDY . DISTRI	IACKSON CT ENGINEER	DATE	م ار حد:	20/26	
*(This space for Fed									
		-							
PERMIT NO					APPROVAL DA	TE			
CONDITIONS OF AP			holds legal or equitable tit	le to those ri	ghts in the subject lease \cdot		ntitle the	e applicant to conduct SEP 1 3	-

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APPROVED BY

TITLE	Ant. rul	<u>А</u> ган 	Managar

DATE _

See	Instructions	On Reverse	Side

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

pproved by Title And branches Date Date	Form 3160-5 UI	NITED STATES	
SUNDRY VOTICES AND REPORTS ON WELLS Do not use this form for proposa is to drill or to deepen or reentry to a different reservoir. Use 'APPLIG-TION FOR PERMIT —' for such proposals SUBMIT IN TRIPLICATE SUBMIT IN TRIPLICATE NA Toget Well Bring Grade Well Brade Offention NA Toget Well Brade Offention NA Toget Well Brade Offention Brade Offention NA Toget Well Brade Offention Brade Offention Brade Offention Brade Offention Brade Offention Brade Offention Charles of The Edge County. NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Type OF SUBMISSION <th>(June 1990) DEPARTM</th> <th>E OF THE INTERIOR</th> <th></th>	(June 1990) DEPARTM	E OF THE INTERIOR	
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Type of Well Wel			
	SUBN	NIT IN TRIPLICATE	
Bit Grant NAME Over NAME NAME of Carbon No. 20 CORT BRERGY OPERATINE IS CORPORATION Turner' B' #124 Address and Telephone No. 20 NORTH READOWAY, SUITE 1610, OKLAHOMA CITY, OKLAHOMA 73102 (4009)552.4527 12 Feld and Pool, or Exploratory Area Carabition of Well (Pootage, Sec., T. R. M. or Survey Description) Gray Durg-Jackson 11 County or Panh, Mate BB Or FUL & 2516' FEL, Sec. 20-175-31E 11 County or Panh, Mate Eddy County, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Note of Intra Advandomment Change of Plans Note Change of Plans Subsequent Report Planging Back Note Change of Plans Note Change of Plans Subsequent Report Planging Back Note Change of Plans Note Change of Plans I homory Provide Completion Plans graph Note Change of Plans Note Change of Plans I homory Provide Completion Plans graph Note Change of Plans Note Change of Plans I homory Provide Completion Plans graph Note Change of Plans Note Change of Plans I homory Provide Completion Operatory Coll by total deformance of the proposed well from: 1100' FNL & 2590' FWL, Sec. 20-17S-31E </td <td>Type of Well</td> <td></td> <td> 7. It Unit or CA, Agreement Designation</td>	Type of Well		7. It Unit or CA, Agreement Designation
			N/A
			8. Well Name and No.
Addees and Telephone No. 20 NORTH BROADWAY, SUITE 150. OKLAHOMA CITY, OKLAHOMA 73102 (405)552-4527 20 NORTH BROADWAY, SUITE 150. OKLAHOMA CITY, OKLAHOMA 73102 (405)552-4527 10. Field and Peol, or Exploratory Area Grayburg-JackSon 11. County of Main. Suite Eddy County, NM CHECK APPROPRIAT E BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION VPE OF SUBMISSION VPE OF ACTION Notice of Intent Subsequent Koport Decomposition Subsequent Koport Time Advandamment Composed Water Composed Water Decomposed water measured A thereby cently that the forgoing is true a di correct KAREN BYERS Title ENGINEERING TECHNICIAN Date SUBAL ADVANCE OF FELL, Sec. 20-17S-31E Composed Water Composed Compo	•	ORATION	Turner "P" #124
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	-	HOMA CITY, OKLAHOMA 73102 (405)552-4527	
			10. Field and Pool. or Exploratory Area
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Other Change location Other Change lo		Casing Repair	Water Shut-Off
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<u>DISTRICT I</u> P. O. Box Hobbs, NM		1980	Er			New Mexico atural Resou		ent	Revised Instruction	
DISTRICT II P. O. Drawe Artesia, NM <u>DISTRICT II</u> 1000 Rio B	er DD 88211- I razos Ra			OIL CONS Santa Fe.	P. O.	Box 2088			Submit to the District Office State Lease - Fee Lease -	- 4 - 3 cc
Aztec, NM 8	17410			Santa Fe,	New I	Mexico 87	204-2088		AMENDED) R
1 API Number	<u></u>			L LOCATION		ol Name				
30-01	5- 29	161		28509		Gr	ayburg Jac	kson'7R	US-QU-GB	- 5
*Property Co 15966	ie	* Property	Name		TUR	NER 'B'			• Well Number	-
'OGRID No.	5	* Operato:	Name	DEVON ENER	RGY DF	ERATING	CORPORATIO	N	* Elevation 3656	6'
				" SU	RFACE	LOCATION				
UL or lot no.		Township		Range			North/South line		e East/West line	Co
B	20	17 SOUT	H 31	EAST, N.M.P.M.	1	983'	NORTH	2516'	EAST	E
		L			L				LAS I	

"BOTFOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no. Section Township Lot Ida Feet from the North/South line Feet from the East/West line Range County 14 Consolidation Code ¹² Dedicated Acres ¹³ Joint or Infil 15 Order No. 40

> 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

 2516'	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Printed Name Randy Jackson Title
	District Engineer Date 8/23/96
	SURVEYOR CERTIFICATION / hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
	Date of Survey <u>AUCLIST</u> 16, 1996 Signature and The pro- Professional Survey * V. LYNN * BEZNER
	Celevice V. D. BENIMO S 27.S. #7920 JOB #46958-37 98 SW / JSJ

Form C-102 Revised 02-10-94

instructions on back

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

AMENDED REPORT

County

EDDY

DISTRICT I P. O. Box 1980 Hobbs, NM 88241-1980

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

DISTRICT III 1000 Rio Brazos Rd. Aztec, NM 87410

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

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

Instructions on back

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number			² Pool Code		3 Poo	1 Name				
						Grayb	urg Jackso	on		
* Property Con 15966	de	³ Propert / N	ame		TUR	NER B			• Well Number 124	
'OGRID No.		• Operato - N	ame						* Elevation	
13602	5			I ENER	GY OP	ERATING	CORPORATIO	IN	3659	•
				" SUF		LOCATION				
UL or lot no.		Township	Range		Lot Ida		North/South line	1 1		County
С	20	17 SOU	31 EAST, N	I.M.P.M.		1100'	NORTH	2590'	WEST	EDDY
		"B0]T	OM HOLE	LOCATI			NT FROM SU			
UL or lot no.	Section	Township	Range		Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated A	CT01 13 JC	int or Infil	14 Consolidatio	n Code	15 Order	No.	L			
40										
							UNTIL ALL IN APPROVED B			
16			<u> </u>						R CERTIFIC	ATION
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		?590'						Printed Name		·· ·· ·
	4	1	-0			 		Randy J	ackson	
_						+ 		Tiue Distric	t Engine	er
			1					Date		· · ·
			1						<u> </u>	
			1					SURVEYO	R CERTIFIC	TION
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		i						Date of Survey		
			1			t 		Signature and Professional la	1996	
		+	+ 			+		Professional	THEY INE TIC	\
								U K/	LYNN	g
								A NO	ZNER	H
		1							un E	men
			1			1			HAND SHOTS.	# 7920
L								JOB #4563	98 SW	/ VHB

Form C-102 Revised 02-10-94

State of New Mexico Minerals, and Natural Resources Der -tment

Ener

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

3,000 psi Working Pressure

3 MWP

EXHIBIT #1

STACK REQUIREMENTS

No.	ltem		Min. I.D.	Min. Nominal
1	Flowline			
2	Fill up line			2"
3	Drilling nipple			
4	Annular preventer			
5	Two single or one dual his operated rams	draulically		
6a	Drilling spool with 2" mir 3" min choke line outlets			
6 b	2" min. kill line and 3" m outlets in ram. (Alternate			
7	Valve	Gate D Plug D	3-1/8"	
6	Gate valve-power oper	ited	3-1/8*	
9	Line to choke manifold			3*
10	Vaives	Gate D Piug D	2-1/16*	
11	Check valve		2-1/16*	
12	Casing head			
13	Valve	Gate D Plug D	1-13/16"	
14	Pressure gauge with ner	die valve		
15	Kill line to rig mud pump			2"



	OPTIONAL
16 Flanged valve	1-13/16"

CONTRACTOR'S OPTION TC FURNISH:

- 1.All equipment and connections above bradenhead or casinghead. Working pressure of preventers to b-s 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 lit pipe being used.
- 6.Kelly saver-sub equipped with rubber casing protector at all time i.
- 7.Plug type blowout preventer tester. 8.Extra set pipe rams to fit d ill pipe in use
- on location at all times.
- 9. Type RX ring gaskets in place of Type R.

MEC TO FURNISH:

- 1.Bradenhead or casinghea I and side valves
- 2.Wear bushing, # 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.

- 7.Handwheels and extensions to be connected and ready for use.
- S.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.

CONFIGURATION

ANNULAR

PREVENTER

BLIND RAMS

5

 (\mathbf{r})

1

lacksquare

(1)



(3)

(2

MINIMUM CHOKE MANIFOLD 3,000, 5,000 and 10,000 PSI Working Pressure

3 MWP - 5 MWP - 10 MWP

EXHIBIT #1-A





		·	MINI	NUM REQU	IREMENT	5				
		3,000 MWP			5,000 MWP			10,000 MWP		
No		I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING
1	Line from drilling spoo		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	3-1/6*		10,000
4	Vaive Gate [] Piug [](2)	1-13/16"		3,00 0	1-13/16"		5,000	1-13/16*	,	10,000
4a	Valves(1)	2-1/16"		3.000	2-1/15"		5,000	3-1/8"	1	10,000
5	Pressure Gauge			3,000			5,000			10,000
6	Valves Gate C Plug D(2)	3-1/8*		3.000	3-1/8*		5,000	3-1/8*	1	10,000
7	Adjustable Choke(3)	2"		3,000	2"		5.000	2"	1	10,000
8	Adjustable Choke	t -		3,000	1*		5,000	2*	1	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"	1	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			3,00 0			5,000		1	10,000
15	Gas Separator		2'x5'		1	2'x5'			2'x5'	
16	Line		4*	1,000	1	4*	1,000	1	4"	2.000
17	Valves Gate C Plug C(2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"	1	10,000

(1) Only one required it Class 3M.

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

(3) Remote operated h-draulic choke required on 5,000 psi and 10,000 psi for drilling.

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 alteri ate 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.

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 vill be properly installed in head.
- 3. Blowout preventor and all associated fittings will be in operable condition to withstand a minimum 3)00 psi working pressure.
- 4. All fittings will be flanged.
- 5. A full bore safety value tested to a minimum 3000 psi W.P. with proper thread connection: 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 mainta n a kelly cock attached to the kelly.
- 9. Hand whee s 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 accumulato: having two independent means of power to initiate closing operation.