Form 3:160-3 (December 1990)	NM OIL UNST DEPART MENT ARTEBREACOR	F THE INT		IT IN TRIPLICAT other instruct i Tse side)		Form approved.	C/5
						29435-B	NO.
la TYPE OF WORK:	APPLICATION FOR PE		EPEN		6.1F I NA	NDIAN, ALLOTTEE OR TRIBE	NAME
	DRILL	DEEPEN				AGREEMENT NAME	
	WELL Other	SINGLE Zone	MULTIPLE ZONE		NA		
2 NAME OF OPERAT	OR			L		OR LEASE NAME, WELL NO.	
3. ADDRESS AND TE	DEVON ENERGY OP	ERATING CORPORA	TION 136	025			·
5. ADDRESS AND TE	20 N. BROADWAY, S	ЛТЕ 1500. ОКС. ОК	73102 (405) 552-44	560	70	-015-2825	6
	LL (Report location clearly and				10.FIE	LD AND POOL, OR WILDCAT	
At surface 1330'			್ಷೇಷ್ 10	WN12'		BURG-JACKSON 2E	:500
At top proposed prod.	zone (SAME)		o App roval Otete	o , c. b	SECT	, T., R., M., OR BLOCK AND S ION 8-T17 S - R31 E	URVEY OR ARI
	ND DIRECTION FROM NEAREST TO	· · · · · · · · · · · · · · · · · · ·		ARIESIA, CE		OUNTY OR PARISH	13. STATE
i mnes east & 4 mil	es north of Loco Hills, N.N	L	lec	_ت	EDDY		NM
15.DISTANCE FROM PROPO LOCATION TO NEAREST		16.NO. OF ACRES IN	N LEASE			17.NO. OF ACRES ASSI	GNED
PROPERTY OR LEASE L	INE, FT. 1330	1885.00				TO THIS WELL 40	
(Also to nearest drig, unit lin 18. DISTANCE FROM PROPO	SED LOCATION*	19. PROPOSED DEPTH				20.ROTARY OR CABLE T	COLS*
TO NEAREST WELL, DR OR APPLIED FOR, ON		4000				Rotary	
1. ELEVATIONS (Show when 740 GR	ther DF, RT, GR, etc.)			······································		. APPROX. DATE WORK WILL	START*
/40 GR					Ja	unuary 1, 1995	
3.	· · · · · · · · · · · · · · · · · · ·	PROPOSED CASING	AND CEMENTING	DDOGD 416		· · · · · · · · · · · · · · · · · · ·	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO		SETTING DEPTH		QUANTITY OF C	EMENT
2 1/4"	8 5/8" J-55	24.0#	400'	CIRCUL	ATE	165 sk lite cmt + 200 s)	
7/8"	5 1/2" J-55	15.5#	4000'	CIRCUL		500 sk Class "C" 35/65	500 sk Cla
wellbore will be p outlined in the fol Drilling Program		mercial quantities of per Federal Regulation chments. The	oil. If the Grav	burg-Jackson is adhere to onsh	deem ore oil	ed non-commercial (ho
	Blowout Prevention E	juipment teri	ms, condition, sti	pulations and			
	E Location and Elevation		trictions concerni		ŝ		
	= Road Map and Topo N = Wells Within 1 Mile R		ducted on the lea		tions /		
	Production Facilities P		reof, as described se No. LC029435		1	LEC OF	
Exhibit #6 =	Rotary Rig Layout	Leg	al Description: S		R31E	in the	
Exhibit #7 =	Casing Design	Sablect to Bon	d Coverage: Nat	tionwide			
H2S Operating P	lan General F	Coquirocriteria ar BL	M Bond No.: CO	1151			
	Saceni S						
	Attachod SCRIBE PROPOSED PROGR ctionally, give pertinent data o	AM: If proposal is to deep n subsurface locations and	en, give data on prese measured and true ve	nt productive zone a rtical depths. Give	und prop blowout	posed new productive zone.	If proposal
4.						Part	FALT
<u> </u>						1-2	1-95
SIGNED	as pelan	TITLE	RANDY JACKSON DISTRICT ENGI	NEER DAT	P	1-2 1-2 12/1/54	whoe
	al or State office use)				<u> </u>	<u></u>	1794
ERMIT NO.	,						
				OVAL DATE			
ONDITIONS OF APP	ot warrant or certify that the appli- ROVAL, IF ANY:	ant holds legal or equitable tit	le to those rights in the su	ibject lease which wou	ld entitle	the applicant to conduct opera	tions thereon.
	a / Gam Bouron		/ 🔎				
PPROVED BY	s/ Gery Bowers	TITLE		388180PD		TE 1-10-95	-
			<u>0932</u> 3 87 97	<u></u>	114		

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

DISTRI		
P. O. I	Зох	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

⁰⁸⁸ WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		3 Poc	ol Name						
* Property Code J	⁵ Property N	ame	ĸ		B' FEDERA					* Vell Number 78	
'OGRID No.	• Operator N				OPERATIN		NY			* Elevation 3740	
			" SUF	RFACE	LOCATION	I					
UL or lot no. Section 8	Township 17 SOUTH	Range 31 EAST, N		Lot Ida	Feet from the 1330'	North/South SOUTH		Feet from 2616		East/West line EAST	County EDDY
	"BOTTO	M HOLE	LOCATI	ON IF	DIFFERE	NT FROM	SU	JRFACE		·	
UL or lot no. Section	Township	Range		Lot Ida	Feet from the	North/South	line	Feet from	the	East/West line	County
¹² Dedicated Acres ¹³ Join	nt or Infill	¹⁴ Consolidation	Code	¹⁵ Order]	No.		<u></u>				
NO ALL CON	OWABLE WE	CLL BE ASSIG	SNED TO) THIS	COMPLETION	UNTIL AL	L IN	TERESTS	HA	VE BEEN	
			330'		-2616'			I hereby contained to the be: Signature Printed No Randy . Title Distric Date i// 30 SURVE I hereby location plotted for surveys my sup same is best of Date of Su OC Signatur Profestore Corting V. L. Surveys	Certific here to of the set of t	CERTIFICA ertify that the win on this plate field notes of the by me or sion, and the ond correct belief. ER 27, 1994 WANNE VAR A TRER 7920	ATION South of the second sec

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

AMENDED REPORT

	State	of New	Mexico		
Ener	Minerals, and	Natural	Resources	De	ment

OIL CONSERVATION DIVISION

P. O. Box 2088

Santa Fe, New Mexico 87504-2088

MINIMUM BLOWOUT PREVENTER REQUIREMENTS

3,000 psi Working Pressure

3 MWP

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 hyd operaled rams	draulically		
6a	Drilling spool with 2" min. 3" min choke line outlets	kill line and		
6b	2" min. kill line and 3" mir outlets in ram. (Alternate t			
7	Valve	Gate 🗆 Piug 🗆	3-1/8"	
8	Gate valve-power operat	ed	3-1/8"	
9	Line to choke manifold			3.
10	Valves	Gate 🖸 Plug 🖸	2.1/16*	
11	Check valve		2-1/16"	
12	Casing head			
13	Valve	Gate 🗆 Plug 🗆	1-13/16"	
14	Pressure gauge with need	lie valve		
15	Kill line to rig mud pump n	nanifold		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 valves.
- 2.Wear bushing, if 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 fianged (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.
- 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.

EXHIBIT #1



- 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 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 value 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

EXHIBIT #1-A



			MINI	MUM REQL	JIREMENT	S				
			3.000 MWP	MWP 5,000 MWP 10,000 MW		10,000 MWF	<u> </u>			
No.		I.D.	NOMINAL	RATING	I.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*		10,000
4	Vaive Gate C Plug C(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"		10,000
5	Pressure Gauge		1	3,000		1	5.000			10,000
6	Valves Gate C Plug C(2)	3-1/8*		3,000	3-1/8"		5,000	3-1/8"		10,000
7	Adjustable Choke(3)	2"	1	3,000	2"	1	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	Gate D Valves 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'			2'x5'	·
16	Line		4*	1,000		4*	1,000	<u> </u>	4"	2 000
17	Valves Gate C Plug C(2)	3-1/8*		3,000	3-1/8*		5,000	3-1/8*		2,000

(1) Only one required in Class 3M.

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

(3) Remote operated hydraulic choke required on 5,000 psl 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 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.