Form 3160-3 (December 1550)

NM OIL CONSITY 71881045 DIERWER TOO ENT OF THE INTERIOR

SUBMIT	IN	TRJ	1

reverse side)

Form approved.

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A TYPE OF WORK. BILL Of Control		ARTESIA, WAN GO	MANAC	SEMENT		1	EASE DE 02943:	SIGNATION AND SER S.R	IAL NO.
The Cyre of Wolk. Other Deport Color Deport Color		APPLICATION FOR PER	MIT TO DRILL	OR DEEPEN					IBE NAME
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ADDRESS AND TELEPHONE NO. ADDRESS AND TELEPHONE	b TYPE OF WELL:	_		_				EEMENT NAME	
ADDRESS AND TELEPHONE NO. 20 N. BROADWAY, SUITE 1500, OKC, OK 73102 (4605 552-4530 21 LICATION OF BUILD (Report location clarely and in accordance with any State requirements) At the state of 1900 FEL 20 C S S At the proposed proof rame (SAME) A proof rame (SAME) At the proposed proof rame (SAME) At the proo		WELL Outer							
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A DEFENSE OF SHEEP AND CONCRET TORS OR POST OFFICE OF A LEG PROPOSED CASING AND CONCRET ON DEAD ASSESSMENT OF COMMENT OR ADDRESS OF A CREEK IN IRAN OF ACRES IN			accordance with	any State requirem	ents)*				
A DIFFERENCE DI MILES AND DIMENTOR FINES REASERT FORM OR POST OFFICE. 11. SECTION 8-TIT S - RELIEF 11. SECTION 8-TIT S - RELIEF 12. DOUTH OR DALLER 13. SECTION 8-TIT S - RELIEF 13. SECTION 8-TIT S - RELIEF 14. SECTION 8-TIT S - RELIEF 15. SECTION 8-TIT S - RELIEF 15. SECTION 8-TIT S - RELIEF 16. SECTION 8-TIT S - RELIEF 17. SECTION 8-TIT S - RELIEF 18. SECTION 8-TIT S - RELIEF 19.	At surface 1980 203	O' AD			, ··				
miles east & 4 miles north of Loco Hills, N.M. EDDY 150 15				we G	A PA				
5. DEFENCE FROM PROPOSED 10.000 TO FAMES A SERIOR DEFENCE TO THE WELL 10.000 TO FAMES A SERIOR DEFENCE TO THE WE			OR POST OFFICE	÷				OR PARISH	· ·
Secondary of December 2016, pt. 1980 FEL	4 miles east & 4 mil	es north of Loco Hills, N.M.				ED	DY		NM
1980 FEL			16.NO. OF	ACRES IN LEASE	24			17.NO. OF ACRES	ASSIGNED
19. PROPOSED ENTITY 10. PROPOSED CASING AND CEMENTING PROGRAM 12. APREC DATE ENGINE FILE OF CASING AND CEMENTING PROGRAM 1. 1994 1. 10. PROPOSED CASING AND CEMENTING PROGRAM 1. 1994 1. 10. PROPOSED CASING AND CEMENTING PROGRAM 1. 1994 1. 10. PROPOSED CASING AND CEMENTING PROGRAM 1. 1994 1. 10. PROPOSED CASING AND CEMENTING PROGRAM 1. 1994 1. 10. PROPOSED CASING AND CEMENTING PROGRAM 1. 1994 1. 10. PROPOSED CASING AND CEMENTING PROGRAM 1. 1994 1. 10. PROPOSED CASING AND CEMENTING PROGRAM 1. 1994 1. 10. PROPOSED CASING AND CEMENTING PROGRAM 1. 1994 1. 10. PROPOSED CASING AND CEMENTING PROGRAM 1. 1994			1885.00		Wit.		l		
The space of the following exhibits and attachments. Production in the following exhibits and attachments.	(Also to nearest drig, unit lir	ne if any)	19 PROPOS	m nepru					
3. PROPOSED CASING AND CEMENTING PROGRAM FILE OF FOLDS SERVED IN SECTION (SMM whether DF, RT, GR, se.) PROPOSED CASING AND CEMENTING PROGRAM FILE OF FOLDS SETURG DEPTH SETURG DEP	TO NEAREST WELL, DE	UILLING, COMPLETED,	I					_	DE TOULS
3. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SAME, SIZE OF CALIBBE WEIGHT PER FOOT 1.65 IN LIVE CONT. 200 as Class? Very Start. 5127 J.55 1.55 1.55 1.55 1.55 1.55 1.55 1.55	<u> </u>					<u>-</u>	22. AP		TI.I. STADES
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### SEATH OF CATING #### SEATH OF CATING #### SEATH OF CATING #### SEATH OF CATING ##### SEATH OF CATING ###################################						ŀ			
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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. Drilling Program The undersigned accepts all applicable terms, condition, stipulations and gas regulations are exhibit #37-A = Road Map and Topo Map conducted on the leased land or portions thereof, as described below: Exhibit #4 = Wells Within 1 Mile Radius thereof, as described below: Exhibit #6 = Rotary Rig Layout Legal Description: Section 8-T17N-R31E Exhibit #7 = Casing Design Bund Coverage: Nationwide H2S Operating Plan NABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. RANDY JACKSON TITLE DISTRICT ENGINEER DATE October 27, 1994 This space for Federal or State office use) APPROVAL DATE PRINCE SPACE DESCRIBE PROPOSED PROGRAM: begal or equitable title to those rights in the subject lease which would entitle the applications thereon. APPROVAL DATE STEAM STPULATIONS PROBLEMENTS ALL STPULATIONS APPROVAL DATE PRINCE SPACE DESCRIBE proposed on the proposed deem to the propose	SIZE OF HOLE	GRADE, SIZE OF CASING	WEIG	HT PER FOOT	SETTING DEPT	н		QUANTITY	OF CEMENT
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. Drilling Program Exhibit #11-A = Blowout Prevention Equipment Exhibits #11-A = Blowout Prevention Equipment Exhibits #11-A = Blowout Prevention Plat restrictions concerning operations Exhibit #3/3-A = Road Map and Topo Map conducted on the leased land or portions thereof, as described below: Exhibit #4 = Wells Within 1 Mile Radius Exhibit #5 = Production Facilities Plat Leas No. LC029435-B Exhibit #7 = Casing Design Bond Coverage: Nationwide Exhibit #7 = Casing Design Bond Coverage: Nationwide H2S Operating Plan BLM Bond No.: PENDING NABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, If any. RANDY JACKSON TITLE DISTRICT ENGINEER DATE October 27, 1994 This space for Federal or State office use) ERMIT NO. APPROVAL DATE GENERAL REQUIREMENTS APPROVAL, IF ANY: APPROVAL DATE GENERAL REQUIREMENTS APPROVAL SUBJECT 1U SPECIAL STPULATIONS OF APPROVAL, IF ANY:					400'		1.65	sk lite cmat + 20	00 sk Class "C"
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. Drilling Program Exhibit #1/1-A = Blowout Prevention Equipment Exhibit #2 = Location and Elevation Plat Exhibit #3/3-A = Road Map and Topo Map Exhibit #4 = Wells Within 1 Mile Radius Exhibit #5 = Production Facilities Plat Exhibit #6 = Rotary Rig Layout Exhibit #7 = Casing Design NABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. RANDY JACKSON TITLE DISTRICT ENGINEER DATE October 27, 1994 This space for Federal or State office use) APPROVAL DATE PRICE SPACE DATE APPROVAL DATE GEMENAL REQUIREMENTS Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lesse which would entitle the applications thereon. APPROVAL DATE OCODITIONS OF APPROVAL, If ANY:	7/8"	5 1/2" J-55	15.5#		4000'		500	sk Class "C" 35/	65 + 500 sk Class
NABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. RANDY JACKSON TITLE DISTRICT ENGINEER DATE October 27, 1994 This space for Federal or State office use) APPROVAL SUBJECT TO GENERAL REQUIREMENTS AT APPROVAL DATE SPECIAL STIPULATIONS ONDITIONS OF APPROVAL, IF ANY:	Exhibits #1/1-A = Exhibit #2 = Exhibit #3/3-A = Exhibit #4 = Exhibit #5 = Exhibit #6 = Exhibit #7	Blowout Prevention Equ Location and Elevation Road Map and Topo Ma Wells Within 1 Mile Ra Production Facilities Pla Rotary Rig Layout Casing Design	Plat ap dius	terms, cond restrictions conducted o thereof, as d Lease No. L Legal Descr Bond Cover	lition, stipulations ar concerning operatio n the leased land or lescribed below: C029435-B iption: Section 8-T1' age: Nationwide	nd ons portion	18	100 4 1 12 - 23 Man Lac	
This space for Federal or State office use) ERMIT NO. APPROVAL DATE GENERAL REQUIREMENTS A SPECIAL STIPULATIONS ONDITIONS OF APPROVAL, IF ANY: SPECIAL STIPULATIONS ONDITIONS OF APPROVAL, IF ANY:	4.	ectionally, give pertinent data on	subsurface local	ions and measured : RANDY .	and true vertical depths. JACKSON	Give blow	vout pre	d new productive 2 venter program, i	())
ERMIT NO. APPROVAL DATE SPECIAL STIPULATIONS ONDITIONS OF APPROVAL, IF ANY: ONDITIONS OF APPROVAL, IF ANY:		09/		TITLE DISTRI	CT ENGINEER	DATE (Octobe		
pplication 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. ONDITIONS OF APPROVAL, IF ANY:	ins space for Fede	rai or State office use)							
- Person with the second secon	PRMIT NO.	not warrant or certify that the applica	nt holds legal or eq	uitable title to those ri			title the		
PPROVEDENCE TO THE PROPERTY OF				-				ATTIMUTELL	
	PPROV HO RY	AND THE REPORT OF THE SALE	TI	TLE AP	ea manacep		DATE	12/14/94	1

om og en allæsteger om fælde Skoller (1947) – skoller <u>DISTRICT I</u> P. O. Box 1980 Hobbs, NM 88241-1980

State of New Mexico

Rhonof, Minerals, and Natural Resources D. arument

Form C-102 Revised 02-10-94

Instructions on back

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

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

DISTRICT III 1000 Rio Brozos Rd. Aztec, NM 87410

DISTRICT IV

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

AMENDED REPORT

		2000	EIT FOC	ltion 1	IND A	CREAGE I	EDICATIO	N I	TAI		
'API Number			² Pool Code			ol Name					
'Property Co	åe	3 Property N	une	KI	EEL "	B' FEDER	AL			' Well Humber	
'OCEID No.		* Operator H		/DN EN	ERGY	DPERATI	NG COMPA	NY		¹ Elevation 3788	
	· · · · · · ·					LOCATIO				1 0.00	
UL er lot no.		Township	Pana	P		Pret from th	e North/South		Pact from the	East/Vest Mas	County
<u> </u>	8		31 EAST,			5030,	NORTH		1980'	RAST	EDDA
UL or let ma.	Section	"BOTT(M HOLE				NT FROM				
		_			125. 1816	Lest 15407 A	A ROTTE/SOUTE	line	Foot from the	East/West Mac	County
2 Dedicated A	CTCO 13 Joi	at or India	** Cemeciidati	en Code	15 Order	No.			*	<u> </u>	
,	NO ALL	OWABLE WI	all be ass	igned to	O THIS	COMPLETIO	N UNTIL AL	L IN	TERESTS HA	VE BERN	
-	CON	SOLIDATED	OR A NON	-Standa	RD UN	T HAS BEE	N APPROVE	D BY	THE DIVIS	ION	
									I hereby cert contained here to the best of	R. CERTIFIC ify that the ini on is true and my knowledge o	somation complete
] 4	2030'			11	Bron On	e jacon	
		 - 		! } 	<u> </u>				Randy Ja	ckson	
				 		1		$\mathbb{T}[$		Engineer	
		(<u> </u>				11	Dote 12/32/94		
			·		<u></u>	1980	<i>?</i>		SURVEYOU I hereby conduction shoulded from surveys many supervises.	certify that to wen on this p field notes a de by me or ision, and to e and correct	he well lot was f octual f under nat the
				 				-	NOVEH	BER 16, 196	4
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DISTRICT I P. O. Box 1980 Hobbs, NM 88241-1980

State of New Mexico Energy, minerals, and Natural Resources Department Form C-102 Revised 02-10-94

Instructions on back

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

AMENDED REPORT

API Number				² Pool Code		3 Po	ol Name					
Property Co	de		⁵ Property N	iame			P/ CEDEDA				* Well Numbe	
OGRID No.			* Operator N	Iaa A'	K	EEL -	B' FEDERA	} L			76	· · · · · · · · · · · · · · · · · · ·
OGRID No.			- eperator n		VON EN	IERGY	OPERATIN	G COMPA	NY		* Elevation 378	7'
				\	" SUI	RFACE	LOCATION					
L or lot no.	Section 8		Township 7 SOUTH	31 EAST,		Lot Ida	Feet from the 1980'	North/South NORTH		Feet from the	East/West line EAST	County
	<u> </u>	.1	"BOTT	ом ноге	LOCAT	ION IF	DIFFERE	NT FROM	Su			
L or lot no.	Section	07D.	Township	Rate				/			East/West line	Count
Dedicated A	cres 1	3 Join	t or Infill	14 Consolidat	ion Code	15 Order	No.	L_/		<u></u>		
	NO .	ALLO	WABLE WE	OR A NO	SIGNED TO	O THIS	COMPLETION T HAS BEEN	UNTIL AL	L IN	TERESTS HA	VE BEEN	
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						$ \cdot \rangle$	(535)			to the best of	' my knowledge a	ond belie
			i			$\perp X$				Signature		
			1		j ;	1 <i>98</i> 6* ``	\		-	Printed Name	chea	
			!			4				RANDY JAC	KSON	
			!		XX	4×2	<u></u>		-	Title		
			į		X				-	DISTRICT	ENGINEER	
			į			$\int \mathcal{N}_{\mathcal{N}}$				November	1, 1994	
			i	/		8	1980'		┩╒			
			!		\			\		SURVEYOR	CERTIFICA	TION
			 		\	N. J. S.	³ . ↓ ↓			I hereby co	ertify that th	c well
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MINIMUM BLOWDUT PREVENTER REDUREMENTS

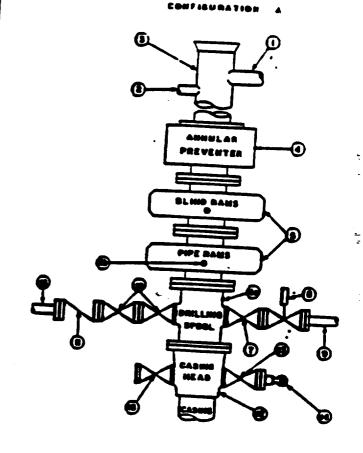
2,900 pel Working Proceurs

3 MWP

Eddy County, New Mexico Exhibit #1

STACK REQUIREMENTS

	BIACK REDUINER	AEN 19	
M	o. Nom	Aim. LD.	Men. Normanal
	Flowing		
2		7	2
3	Dritting repetu	7	
4	Annual preventer		
8	Two single or one dual hydraulically operated rame		
So	Drilling speel with 2" min, bill imp and 3" min choke line exilete		-
66	2" mm. left ime and 3" min. chaire ime cutiess in rom. (Alternate to Se above.)		
	Value Gate D	3-145-	
	Gate valve—power eperated	3-147*	
•	Line to choke manifold		3
	Values Gass C Play C	3-M8.	
	Check valve	2-1/16"	
12	Casing head		
	Value Gato D Plag D	1-13/16*	-
4	recours gauge with specific water		
6 14	Oll time to rig must pump monitoid		



	OPTIONAL	
16 Flanged valve	1-13/16"	

CONTRACTOR'S OPTION TO FURNISH:

- 1.All equipment and connections above bradenhead or coninghead. Working preceute of preventers to be 3,000 pel,
- 2. Automatic accumulator (80 golles, minimum) expedite of storing BOP in 30 seconds or loss and, helding them alread against full cased warting pressure.

 3.80P contrats, to be isomed most delitors

- 4.Kelly equipped with Kelly each. 5.Incide blowest provienter or he equivalent on derrick floor at all times with proper threads to fit pape being used.
- 6.Kelly sever-out equipped with subber casing protector at all times.
- 7.Plug type blowed preventer tester.
- S.Estra ant pipe rame to its drill pupe in use on lecetion at all times.
- 9.7ypo RX steg pasters in place of Type R.

MEC TO PURMISH:

- 1.Bradenhead or ensinghead and side
- 2. Weer bushing, it required.

GENERAL NOTES:

- 1.Deviations from this drawing may be ade only with the express permission of MEC's Drilling Manager.
- 2.A5 connections, voives, fittings, piping. Cit., excited to well or pump pressure ati be Ranged Jack ship clamp conn no acceptable) and have minin pulse equal is rated working me of bearences of grandy spece. Maives must be full opening and suitable for high proceure mus service.
- 3.Commis to be all standard design and th marked, theming spening and claspathing.
- C.Chains will be prediented so as not to homper or dolay changing of choice boons. Replaceable parts for adjust to, other been aloot, retainers, and Shake menakes to be conveni ad for immediate or
- S.AA valves to be equipped with handwheels or handles ready for immediate
- 6. Choke times must be suitably anchored.

- 7. Handwheels and extensions to be conseled and ready for use.
- S. Valves adjacent to drilling speel to be habi apan. Use estaido valvos essept for District.
- S.All coomices steel control piping (2000 pel wasting processe) to have healt joints to avaid street. Hence will be
- 16.Cosinghead connections shall not be trans except in case of emergency.
- 11.Do not use tell line for realing Mi-up

Attachment to Exhibit #1 NOTES REGARDING BLOWOUT PREVENTORS

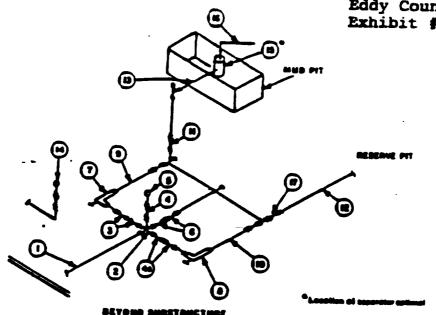
Grayburg-Jackson Field Eddy County, New Mexico

- 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 CHOICE MANIFOLD 3,800, 5,800 and 10,800 PSI Warking Procesure

3 MWP - 5 MWP - 10 MWP

Eddy County, New Mexico Exhibit #1-A



SEVERO SUBSTRUCTURE

-				MAN FED	THEMENT	3						
			3,000 MM			S.DED LONE			10,000 MM			
Ne		1.0	HOMBHAL	PATENS	LD.	MONTHAL	MATENO	LD.				
	Line from drilling speed		3-	3.000		3.	1400		MOMMAL			
2	Come 3.10.10.10.			3,000			4.000		3.	10,00		
_	Cook 3, 13, 13, 13,						2,000					
3	Values(1) Gaso [] Phop (D(2)	2-167*		2,000	3-16"		5.000	2.000		10,50		
4	Value Gate G	1-13/16"		2.000	1-13/10*			3-10.		10,40		
44		2-1/16"		2 2 2 2			5,000	1-13.16.	1 1	10,00		
5	Procesure Gauge		-	3.000	3-1/16.		8,800	316.		10.00		
_	Gen C			3.000			8,800		-	10.00		
-	Plug (D/2)	3-145-		3.000	3-M*		8,000	2-10"				
7	A STATE OF THE PERSON NAMED IN	2"		3.000	-		3.000			10,000		
	Adjustable Chate	**		3,800	10			2.		10,550		
_	Line		3-	2.000			8,000	2"		10,000		
<u> </u>	Line		7	3.000		3.	8,000		3-	10,000		
1	Votres Gate D					2.	8.000		3-	10,000		
_	Plug ()(2)	3-16.		3.000	3-16"	ı	ł	1 .	1.000	3-10"		
			3"	1,000		3.				10.000		
-	Lines		3-	1,000			1,500		3-	2.000		
4	Personal reading compound					3.	1,000		3-	2.00		
	Standpipe processy gauge Gas Bepareur			3.000	1	j		\cdot T				
	Line		\$.mg.			275'				10,000		
7	0		4	1,000					5.m2.			
'	Valvas Gass [] Plug (D(2)	210					1,000		4.	2.000		
_				3.000	3-16°	1	5.000	3-149*		10,000		

- (2) Goto values only shall be used for Class TAM.
- (2) Remote apprecial hydroxide choice required on 5,800 pel and 10,800 pel for drilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- me in choice manifold shall be welded, studded, flor ped or Comeron clamp of comperable rating.
- 2. All Sanges shall be API 68 or 68X and sing pasters shall be API RX or 8X. Use only 8X for 10 MWP.
- 4. Choice shall be equipped with tungs to seate and needles, and replace
- po pressure gauges stuff be available at the state manifold to assist in regulating Mic shakes, a choice manifold pressure gauge chall be incased on the rig fact in con-
- present that the standard process gauge.

 6. Line from drilling specific chaics manifeld should be as straight as possible. Lines downstream from shokes shall make
- 7. Discharge times from chakes, shake bypase and from top of ges separator should vent as fer as practical from the