## NEW MEXICO OIL CONSERVATION COMMISSION DRAWER DD ARTESIA, NEW MEXICO

Operator UnitPetr. Corp.Lease Jackron"AT"Well #13Location of WellUnitSection 14Township 17Range 25County CountyDrilling Contractor $L+M$ #2Type of Equipment RotaryType of Equipment Rotary* WitnessAPPROVED CASING PROGRAMSize of HoleSize of Casing FootWeight Per RotaryDepth Rotary14 1/2 "10 3/4 "30 #340200 ci	<b>.</b> .	FIELD REPORT	FOR CEN	IENT I NG	0F	WELLS	· .	
LocationUnitSectionTownshipRangeCountyof Well $14$ $17$ $25$ $234y$ Drilling $L + M$ $42$ Type of Equipment $Rotary$ * WitnessAPPROVED CASING PROGRAMSize of HoleSize of CasingWeight PerNew or UsedDepthSize of HoleSize of CasingWeight PerNew or UsedDepthSacks Cenu $14/2$ $10$ $3/4$ $30$ $4$ $340$ $200$ $ci$ $14/2$ $10$ $3/4$ $30$ $4$ $340$ $200$ $ci$ $9/2$ $7$ $28$ $4$ $1190$ $400$ $ci$ $6/4$ $4/2$ $n$ $2.5$ $400$ $ci$ $6/4$ $4/2$ $n$ $9.5$ $4$ $1500$ $125$ Casing Data: $1500$ $125$ $caseaeeaeeCementing ProgramSize of Casing7Sacks cement requiredaeeSize of hole7/2Size of Casing7Sacks cement around shoet4eesaxfaesfaesfaesTo f hole1161Set 1161Faet of 77nch 2P2coSacks neat cement around shoet4eesaxfaes1452Plug down @1155(AH)(PM)Date7ee 822Cement circulatedNoNo. of SacksCeenent @ 6ee6ADCement divelyWeither endWither end$	Operator , A	· · ·					Well #	13
Drilling $L + M \#_2$ Type of Equipment Rotary * Witness APPROVED CASING PROGRAM Size of Hole Size of Casing Weight Per New or Used Depth Sacks Centre Foot 141/2 10 3/4 30 # 340 200 ci 91/2 7 7 28 # 1190 400 ci 6/4 4 41/2 9,5 # 1500 125 Casing Data: Surface joints of 7 inch 24 # Grade J-55 Casing Data: Surface joints of 7 inch 24 # Grade J-55 Genenting Program Size of hole 9/2 Size of Casing 7 Sacks cement required date Cementing Program Size of hole 9/2 Size of Casing 7 Sacks cement required 100 yes Type of Shoe used Guide Float collar used Issort Btm 3 jts welded yes To of hole 1166 Set 1167 Feet of 7 Inch 29 # Grade J-55 New-used csg. @ 1167 with 200 sacks neat cement around shoe + 4ac sax Reasther Life C additives Plug down @ 1155 (AM) (PM) Date 8-8-82 Cement circulated No No. of Sacks Cemented by Usetime Witnessed by BWWeede Temp. Survey ran @ 6.ce (AM) (PM) Date 9-8-82 Casing test @ (AM) (PM) Date Mitnessed by BWWeede Casing test @ (AM) (PM) Date Mitnessed by BWWeede Method Used Witnessed by Witnessed by Mitnessed by BWWeede Mitnessed by BWWeede Mitnessed by BWWeede Witnessed by BWWeede Mitnessed by BWWeede Mitnessed by BWWeede Witnessed by BWWeede Mitnessed by Mitnessed by	Location	Unit Section		Townsh	ip	Range	County	
* Witness APPROVED CASING PROGRAM Size of Hole Size of Casing Weight Per New or Used Depth Sacks Cemu 1443 " 10 $344$ " $30$ # $340$ 200 ci 942 " 7 " $28$ # $1190$ 400 ci 644 " $443$ " $9.5$ # $1190$ 400 ci 644 " $443$ " $9.5$ # $1500$ 125 Casing Data: Surface joints of 7 inch $24$ # Grade $55$ Gate $55$ (Approved) (Rejected) Inspected by Buveen Cementing Program Size of hole $942$ Size of Casing 7 Sacks coment required Type of Shoe used Guide Float collar used $126547$ Btm 3 jts welded $4265$ To of hole $1467$ Size of Casing 7 Sacks coment required 1467 Size of $7$ Inch $29$ # Grade $55New-used csg 0 1167 with 2c0 sacks neat cement around shoe1467$ Sac $1167$ With $2c0$ Sacks neat cement around shoe 147 Sac $1167$ (Am) (PM) Date $125487$ Coment $6677$ Date $1257Cement circulated No No. of SacksCemented by With 250 (AM) (PM) Date 1257 Casing test 0 (AM) (PM) Case 1257 Casing test 0 (Casing test 0 (AM) (PM) Case 1257 Casing test 0 (AM) (PM) Case 1257 Casing test 0 (Casing test 0 (Casing test 0 (AM) (PM) Case 12$			t.,	Type	of E	Equipment	Rotar	U .
122 of for casingFoot10 $14/2$ $10$ $3/4$ $30$ $4$ $340$ $200$ $ii$ $9/2$ $7$ $28$ $4$ $1190$ $400$ $ci$ $6/4$ $4/2$ $7$ $28$ $4$ $1190$ $400$ $ci$ $G/4$ $4/2$ $9.5$ $4$ $1500$ $125$ Casing Data: $9.5$ $4$ $1500$ $125$ Surfacejoints of $7$ inch $24$ $400$ $ci$ Inspected by $Bt/a/acc$ $Gate$ $Gate$ $Gate$ Cementing ProgramSize of Casing $7$ Sacks cement required $Gate$ Type of Shoe used $Guide$ Float collar used $Iase/T$ Btm 3 jts welded $yes$ TD of hole $1167$ with $2co$ sacks neat cement around shoe $+$ $4ac$ Sacks/the $Lide$ CadditivesPlug down @ $1155$ $Am$ (PM)Date $8ae$ Setter $Lide$ $Additives$ $8ae$ $8ae$ Cement circulated $No$ Nc. of SacksCemented by $Uastrine$ Witnessed by $BUWendee$ Temp. Survey ran @ $(Am)$ $(Ph)$ DateMethod Used $Witnessed$ by $BuWendee$ Method Used $Witnessed$ by $Mutendee$			ZED CASI	ING PRO	GRAM	1	(	J
91/2" $7$ " $28$ # $1190$ $400$ cm $61/4$ " $41/2$ " $9.5$ # $1500$ $125$ Casing Data:Surfacejoints of $7$ inch $2F$ # Grade $500$ $125$ Surfacejoints of $7$ inch $2F$ # Grade $550$ $125$ Use(Approved) (Rejected) $125$ $125$ Inspected by $Bu'u'acc$ $date$ $date$ Cementing Program $Gate$ $date$ $125$ Size of hole $91/2$ Size of Casing $7$ Sacks cement requiredType of Shoe used Guide Float collar used $DiseoT$ Btm 3 jts welded $Yes$ $Yes$ TD of hole $1167$ with $2co$ sacks neat cement around shoe+ $40c$ sax $face Setter Life C$ $additives$ Plug down @ $1155$ $(Am)$ (PM)Date $8-8-82$ Cement circulated $No$ No. of SacksCemented by $Westere$ Witnessed by $BWWeewee$ Temp. Survey ran @ $(AN)$ (PM)Date $9-8-82$ top cement @Method Used(AM) (PM)Date $9-8-82$ top cement @Method Used $Westeree$ $Witnessed$ by $BWWeewee$	Size of Hole	Size of Casing	-		Nev	v or Used	Depth	Sacks Cemer
$6/4$ $4/2$ $9,5$ $1500$ $125$ Casing Data:Surfacejoints ofinch _2V = Grade _J-55 $y_{ex}$ (Approved) (Rejected)Inspected by <u>Buvwace</u> Cementing ProgramSize of hole _ $9/2$ _ Size of Casing _7 Secks cement requiredType of Shoe used <u>Guide</u> Float collar used <u>LisevT</u> Btm 3 jts welded <u>yes</u> TD of hole _ 1166 Set 1167 Feet of 7 Inch $29$ = Grade _ $J-55$ New-used csg. @ 1167 with $2co$ _ sacks neat cement around shoe+ $4cc$ _ sax <u>Pace Setter (1.4e</u> C _ additives	141/2 "	10 3/4 "					340	200 cir
Casing Data:         Surfacejoints ofinch? # Grade	91/2"	7 "	28	)#			1190	400 cir
Casing Data:         Surfacejoints ofinch? # Grade		41/2 "	9,	5#			1500	125
(Approved) (Rejected)Inspected by $BUUU_{aux}$ dateCementing ProgramSize of hole $9/2$ Size of Casing 7Secks cement requiredType of Shoe used Guide Float collar used Insert Btm 3 jts weldedYesTD of hole $1166$ Set $1167$ Feet of 7Inch 28Two the second collarSecks neat cement around shoe+ $40c$ sax Pace setter Life CPlug down @ $1155$ $(Att)$ (PM)Cement circulated $NO$ No. of SacksCemented by $Wistron$ Witnessed byTemp. Survey ran @ $(Att)$ (PM)DateMethod UsedWitnessed byWitnessed byMethod used $Witnessei by$ Witnessei by	han an a		L	<u></u>			-	•
(Approved) (Rejected)Inspected by $BUUU_{aux}$ dateCementing ProgramSize of hole $9/2$ Size of Casing 7Secks cement requiredType of Shoe used Guide Float collar used Insert Btm 3 jts weldedYesTD of hole $1166$ Set $1167$ Feet of 7Inch 28Two the second collarSecks neat cement around shoe+ $40c$ sax Pace setter Life CPlug down @ $1155$ $(Att)$ (PM)Cement circulated $NO$ No. of SacksCemented by $Wistron$ Witnessed byTemp. Survey ran @ $(Att)$ (PM)DateMethod UsedWitnessed byWitnessed byMethod used $Witnessei by$ Witnessei by	Surface	joints of 7	inch 1	ç #	Grad	de <i>J-55</i>	-	
Inspected by $BWW_{max}$ $date$ Cementing Program         Size of hole $9t_2$ Size of Casing 7       Secks cement required         Type of Shoe used $Guide$ Float collar used $InsevT$ Btm 3 jts welded $Yes$ TD of hole $1167$ Feet of 7       Inch $2g$ $\#$ Grade $T-55$ New-used       csg. @ $1167$ With $2co$ sacks neat cement around shoe         + $4oc$ sax $facesether Ente C$ additives         Plug       down $1155$ $(Att)$ $(PM)$ $Date$ $8-8-82$ Cement circulated $No$ No. of Sacks $Guideaceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee$								·
Cementing Program Size of hole $\frac{9/_{2}}{Size}$ Size of Casing 7 Secks cement required Type of Shoe used <u>Guide</u> Float collar used <u>Insert</u> Btm 3 jts welded <u>Yes</u> TD of hole <u>1166</u> Set <u>1167</u> Feet of 7 Inch 20 # Grade <u>T-55</u> New-used csg. @ <u>1167</u> with 2co sacks neat cement around shoe + <u>40c</u> sax <u>Pace setter</u> (ite C additives Plug down @ <u>1155</u> (Att) (PM) Date <u>8-8-82</u> Cement circulated <u>NO</u> No. of Sacks Cemented by <u>Uestime</u> Witnessed by <u>BUWeaver</u> Temp. Survey ran @ <u>6.ec</u> (AM) (PM) Date <u>9-4-82</u> top cement @ <u>650</u> Casing test @ (AM) (PM) Date Method Used Witnessed by <u>Witnessed</u> by Mitnessed by <u>Witnessed</u> by Mitnessed by <u>Witnessed</u> by	Inspected by	BUUMAN	-			date		
Size of hole $9/2$ Size of Casing       7       Secks cement required         Type of Shoe used Guide Float collar used $IssevT$ Btm 3 jts welded $yes$ TD of hole $1167$ Set $1167$ Feet of 7       Inch $28$ $Grade$ $J-55$ New-used       csg. $0$ $1167$ with $2co$ sacks neat cement around shoe         + $40c$ sax $facesetter$ $Lite$ additives         Plug down @ $1155$ $(Att)$ (PM)       Date $8-8-82$ Cement circulated $No$ No. of Sacks $Guide ender         Cemented by       Western       Witnessed by       BWWeewee         Temp. Survey ran @       (AM) (PM)       Date       8-9-9-82       top cement @       650         Casing test @       (AM) (PM)       Date       Witnessed by       Witnessed Witnessed         Method Used       Witnessed Witnessed Witnessed Witnessed Witnessed $	•	-						
Type of Shoe used Guide Float collar used Insert Btm 3 jts welded YesTD of hole 1166 Set 1167 Feet of 7 Inch 28 # Grade $J-55$ New-used csg. @ 1167 with 2co sacks neat cement around shoe+ $\underline{Hoc}$ sax Insertion Life C additivesPlug down @ 1155 (Att) (PM) Date $\overline{Y-8-82}$ Cement circulated NOCemented by UestimeTemp. Survey ran @ $\underline{hec}$ (AM) (PM) Date $\underline{P-9-82}$ top cement @ $\underline{650}$ Casing test @ (AM) (PM) DateMethod UsedWitnessed byWitnessed byWitnessed byWitnessed byMitnessed byMit		-	Casing	7 S	ack:	s cement	required	1
TD of hole <u>1166</u> Set <u>1167</u> Feet of 7 Inch 28 $\#$ Grade <u>J-55</u> New-used csg. @ <u>1167</u> with <u>2co</u> sacks neat cement around shoe + <u>4ec</u> sax <u>Pace setter</u> (ite <u>C</u> additives Plug down @ <u>1155</u> (Att) (PM) Date <u>8-8-82</u> Cement circulated <u>NO</u> No. of Sacks Cemented by <u>Western</u> Witnessed by <u>BWWewee</u> Temp. Survey ran @ <u>6. ec</u> (AM) (EA) Date <u>8-4-82</u> top cement @ <u>650</u> Casing test @ (AM) (PM) Date Method Used Witnessed by Witnessed by Method Used Witnessed by Witnessed by <u>Witnessed by</u> Witnessed by <u>Witnessed by</u> <u>Witnessed by</u> <u>Revenue</u>								
New-used csg. @ $1167$ with $2co$ sacks neat cement around shoe+ $4oc$ sax Pace Setter (1+e C additivesPlug down @ $1155$ (AME) (PM) Date $8-8-82$ Cement circulatedNoNo. of SacksCemented by $WesterneWitnessed byBWWeweeeTemp. Survey ran @ (a, co) (AM) (PM) DateCasing test @(AM) (PM) DateMethod UsedWitnessed byWitnessed byWitnessed byWitnessed byWitnessed byMethod UsedWitnessed byMethod usedWitnessed by$								
+ <u>Hoc</u> sax <u>Pace setter</u> Lite C additives         Plug down @ <u>1155</u> (AM) (PM) Date <u>8-8-82</u> Cement circulated <u>NO</u> No. of Sacks         Cemented by <u>Westerne</u> Witnessed by <u>RWWeweee</u> Temp. Survey ran @ <u>h.ece</u> (AM) (PM) Date <u>8-9-82</u> top cement @ <u>650</u> Casing test @ (AM) (PM) Date         Method Used       Witnessed by         Method Used       Witnessed by         Method used       Witnessed by	New- <del>use</del> d csa.	@ 1117 with 2	. C 0 S	acks ne	at	cement ar	ound sho	e
Plug down @	+ <u>   4oc    </u> sax	: Pace Setter Lite C	_additi	ves			*	
Cemented by       Witnessed by       BUULAWE         Temp. Survey ran @ (acc (AM) (PM) Date       Date       P-9-82 top cement @ 650         Casing test @       (AM) (PM) Date         Method Used       Witnessed by         Checked for shut off @       (AM) (PM) Date         Method used       Witnessed by	Plug down @	(AH) (PM)	) Date_	8-0	8-82			
Cemented by       Witnessed by       BUULAWE         Temp. Survey ran @ (acc (AM) (PM) Date       Date       P-9-82 top cement @ 650         Casing test @       (AM) (PM) Date         Method Used       Witnessed by         Checked for shut off @       (AM) (PM) Date         Method used       Witnessed by	Cement circul	atedNo		_Nc. 0	f S	acks		
Temp. Survey ran @ (a.c. (AM) (PM) Date       Date       top tement e use         Casing test @ (AM) (PM) Date       Witnessed by         Method Used       Witnessed by         Checked for shut off @ (AM) (PM) Date         Method used       Witnessed by	Cemented by	10 time	-	Witne	556	ផងរូ /្ស្រ	NWeiwer	
Casing test @ (AM) (PM) Date         Method Used       Witnessed by         Checked for shut off @ (AM) (PM) Date         Method used       Witnessed by	Temp. Survey	ran $O_{a,ac}$ (AM) (1	Edi (Hel	te 8-9	-82	top ce	ment @	650
Checked for shut off @ (AM) (PM) Date       Method used         Witnessed by	Casing test @	(AM) (9	PM) Da	te				
Checked for shut off @ (AM) (PM) Date       Method used         Witnessed by	Method Used	······································		Witne	SSC	d by		
Method used Witnessei by Remarks: Less Zone @730 Last Drelling Breat 1170	Checked for s	hut off @ (A)	M) (PM)	· Date				
Remarks: Loss Zone (2730 Last Drilling Brist 1170	Method used			Witne	sse	d by		
	Remarks:	LOSS ZONE (27)	30	Last Dr	Ji	ng Breat 11	70	
						,		

1

١

r

Run ito yEOFT and i they with 1005x C 2% CC JyF1: End Tagged @ 372 RAN SOC 270 CG Tag @ 362 255×@ 2% CC Tag @ 352 100 SX CLOS C 370 CC They @ 352 Run 255× C 2% cc Tagged @ Z48 Run 25 5x clin C 2% CC Tagged & 344 Ran 255X Class C 2% CC Tagged C 351 Ran 25 SX Class C 2% CC Tagged ( 351 - Raw 100 SX class C dewond ANNULUS + 3/2 Redi-Mix

11

- • · · ·

STATE OF NEW ME	EXICO	כ		-				30-01	5-24211
NERGY AND MINERALS DE	RAG	TME	NT	_ CONSERVAT	TION DIV	15101	ć	Form C-101	
NO, DF COFIEB AECEIVEB				P, O, BOX	2088			Revised 10	-1-78
DISTRIBUTION	1			SANTA FE, NEW	MEXICO 87	501	1	5A. Indicat	e Type of Loase
SANTA FE		ļ,		· ·	RECE	EIVED		BTATE	ree X
FILE	11	V						5. State OI	& Gas Loaco No.
U.S.G.S.	12				6U0 -				
LAND OFFICE	.				AUG 2	1982		mm	TITITITI I I I I I I I I I I I I I I I
OPERATOR	11-							//////	///////////////////////////////////////
APPLICA	TION	I FC	R PERMI	T TO DRILL, DEEPEN	V, OR BLUE	BACK		JIIII	
. Type of Work					ARTESIA, C	<b>.</b>		7. Unit Agr	eement Name
DRILL				DEEPEN	and she c	DUI			
. Type of Well						reov		8. Farm or 1	ease Name
OIL X CAS	$\Box$		OTHER		SINGLE	м	ZONE	Jacksor	1 "AT"
Name of Operator								9. Well No.	
. Detroloum C		~ ~ ~	tion /					#13	
<u>Address of Operator</u>	010	ora							nd Pool, or Wildcat
•	_								Creek (S.A.)
207 S. 4th Street	<u>, A</u>	rte				······	X	Eagle C	TEER (S.A.)
Location of Well UNIT LE	ETTER		0	LOCATED330'	FEET FROM THE	South	LINE	//////	
							t t		
0 1650 FEET FR		не Е	ast	LINE OF SEC. 14	TWP. 175	RGE.25		IIIII	
MININI, MARINA,	11	$\overline{U}$	IIIII		IIIIII	IIII	IIIII	12. County	
	///	$\left( \right) \left( \right)$			////////	/////	///////	Eddy	
+++++++++++++++++++++++++++++++++++++++	171	77	<i>HHHH</i>	<i>+++++++++++++</i> +++++++++++++++++++++++	<i>++++++++</i> +	ittti	+++++++++	777777	tittttttm
HHHHHHHH	///	())	//////		////////	/////	///////	///////	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
44444444	77	<i>+</i> ++	+++++++	+++++++++++++++++++++++++++++++++++++++	19, Proposed D		19A. Formation	777777	120. Rotary or C.T.
1111111111111.	Ŵ	)))	//////		1 .		San Andr		
THIMM	77	$\overline{77}$	7777777		approx.		San Andr		Rotary
. i. levations (show whether	DF, H	(], et		Kind & Status Plug, Bond	21B. Drilling C	Contractor		1	. Date Work will start
3476.0 GL			Bl	anket	L&M #2			A.S.A.	Р.
						000041			
				PROPOSED CASING A	NU CEMENT PR	OGRAM			

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
4 <sup>1</sup> 2"	10 3/4"	30#	approx. 340'	200	circ.
9 <sup>1</sup> 2"	7"	28#	approx 1190'	400	circ.
6 <sup>1</sup> 4"	4 <sup>1</sup> 2"	9.5#	approx 1500'	125	

Propose to drill a San Andres test. Approximately 340' of 10 3/4" casing will be run if needed and cemented to the surface to shut off gravel and cavings, 7" casing will be run 100' below the Artesian zone, cemented to surface. A string of production casing will be run and cemented, perforated and sand frac'd for completion.

lud Program:	FW fel and LCM to 1190' (or dry drill), water to	o TD.
OP Program:	BOP's to be installed on 7" casing and tested d	aily.

APPROVAL VALID FOR 130 DAYS PERMIT EXPIRES 2-4-33 UNLESS DRILLING UNDERWAY

by certify hat the prormation above to thus a	nd complete to the best of my knowledge and belief.	
- for Dearden RX	Tule Regulatory Coordinator	Date 8-2-82
(This space for State Use)	\	
M. I. I.M.	SUPERVISOR, DISTRICT, E	DATE 8-4-82
IVED BY		
		· · · · · · · · · · · · · · · · · · ·
OVED BY <u></u>	Notify N.M.O.C.C. in sufficient time to witness cementing	,

## N MEXICO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

		All distances must be from	the outer boundaries of	the Section.	
Ferator VATES	PETROLEUM	CORPORATION	Jackson A	T	Well No. 13
nit Letter	Section	Township	Range	County	
0	14	17 South	25 East	Eddy	
ctual Foctage Loc					
330		South line and	· · · · · · · · · · · · · · · · · · ·	t from the East	line
irouna Level Elev.			Eggle Creek	$(< \Lambda)$	edicated Acreage:
3476.		ndres			40 Acres
1. Outline th	ne acreage dedica	ated to the subject well	by colored pencil of	r hachure marks on the	plat below.
interest a	nd royalty).	dedicated to the well,			-
	communitization,	lifferent ownership is de unitization, force-pooling nswer is ''yes,'' type of o	.etc?		
les		inswer is yes, type of t	onsolidation		······
	is "no," list the if necessary.)	owners and tract descrip	tions which have a	ctually been consolidate	ed. (Use reverse side of
		ned to the well until all in )or until a non-standard u			
	I .		1		CERTIFICATION
			1		
			ł	I hereby cer	tify that the information con-
			ł	tained herei	n is true and complete to the
	ļ		I	best of my k	nowledge and belief.
	 		1	Name	idenflk
		+	·		ory Coordinator
	ł			Vates P	<u>etroleum Corporati</u>
	1			Company	ccroican corporaci
	i i		]	8-2-82	
	I		1	Date	
	1		1		$\sim$
			, ,		R. REDOK
	1			I hereby s	Wild Error the wall location
	ł				s plat was platted yom field
	1				
	1		1		pervision and that he same
	1		I		151
	1		1	knowledge	ROURNER The Jest of my
	·				OFESSIONAL
	— — 干 <b>— — —</b>				UFESSION
	I			Date Surveyed	
	   1		1650'	August Registered Pro and/or Land S	1, 1982 fessional Engineer
	1	<b>`</b>	9 <del>/630</del>		1 1 1
		33,		- Kan K	Keddy
				Certificate No	
330 660	90 1320 1650 19	80 2310 2640 2000	1500 1000 5		<b>.S #541</b> 2



## THE FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- 1. All preventers to be hydraulically operated with secondary manual controls installed prior to drilling out from under casing.
- 2. All connections from operating manifolds to preventers to be all steel. Hole or tube a minimum of one inch in diameter.
- 3. The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the BOP's.
- 4. All connections to and from preventer to have a pressure rating equivalent to that of the BOP's.
- 5. Hole must be kept filled on trips below intermediate casing.