Form \$ 160-3 (August 1999)

FORM APPROVED OMB No. 1004-0136

		Expires Novemb	oei 30, 2000	
DEFARTMENT OF BUREAU OF LAND	5. Lease Serial No. SF-078740			
APPLICATION FOR PERMIT	6. If Indian, Allottee or Trib	6. If Indian, Allottee or Tribe Name		
1a. Type of Work: ☑ DRILL ☐ REENTER		7. If Unit or CA Agreement	, Name and No.	
1b. Type of Well: ☐ Oil Well	ther Single Zone Multiple Zone	8. Lease Name and Well No SAN JUAN 30-5 UNIT		
	: VICKI WESTBY E-Mail: Vicki.R.Westby@conocophillips.com	9. API Well No. 30-039-	29210	
3a. Address 4001 PENBROOK, SUITE 346 ODESSA, TX 79762	3b. Phone No. (include area code) Ph: 915.368.1352	10. Field and Pool, or Explo BASIN FRUITLAND	oratory	
Location of Well (Report location clearly and in accord At surface NENW 660FNL 1350FWL At proposed prod. zone	16 W 1 P 13	11. Sec., T., R., M., or Blk. Sec 29 T30N R5W M		
14. Distance in miles and direction from nearest town or post	t office* P 2004		13. State NM	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of Acres in Lease	17. Spacing Unit dedicated	to this well	
 Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 	19. Proposed Depth 3183 MD	20. BLM/BIA Bond No. on	file	
21. Elevations (Show whether DF, KB, RT, GL, etc. 6285 GL	22. Approximate date work will start	23. Estimated duration		
	24. Attachments			
 The following, completed in accordance with the requirements Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Sy SUPO shall be filed with the appropriate Forest Service Company of the Surface Power Surveyors. 	4. Bond to cover the oper Item 20 above). Stem Lands, the 5. Operator certification	I to this form: ations unless covered by an existi information and/or plans as may	`	
25. Signature (Electronic Submission) Title	Name (Printed/Typed) VICKI WESTBY		Date 08/18/2004	
AGENT				
Approved by Gregory On feel	Name (Printed/Typed)		9-7-04	
Title AFM	Office FFO			
Application approval does not warrant or certify the applicant I operations thereon. Conditions of approval, if any, are attached.	noids legal or equitable title to those rights in the subject	ex lease which would entitle the ap	pplicant to conduct	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 States any false, fictitious or fraudulent statements or represent	, make it a crime for any person knowingly and willfull ations as to any matter within its jurisdiction.	y to make to any department or a	gency of the United	
Additional Operator Remarks (see next page)			·	

Electronic Submission #34840 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Farmington

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOCD

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

District I PO Box 1980, Hobbs, NM B8241-1980

District II PO Drawer DD, Artesia, NM 88211-0719

Oistrict III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

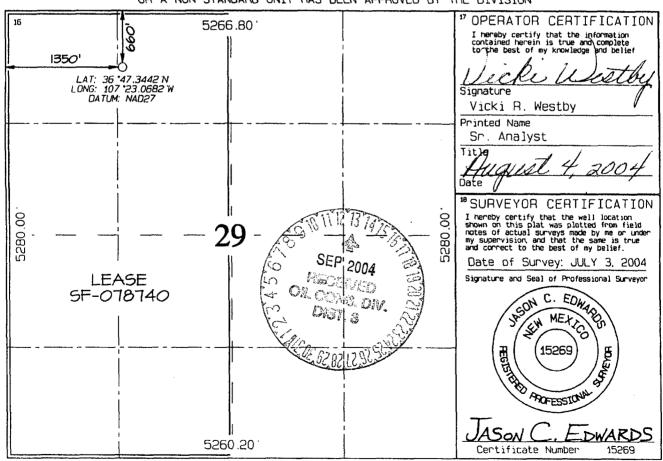
Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹² Dedicated Acres		0.0 Acr	es – W,	/2	¹³ Joint or Infill	³⁴ Consolidation Code	¹⁵ Order Na.	·		
Ut or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	line	County
		11 E	Bottom	Hole L	ocation I	f Different	From Surf	ace		
С	29	30N	5W		660	NORTH	1350	WES	T	RIO ARRIBA
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	line	County
				:	¹⁰ Surface	Location				
21781	./			C0	NOCOPHILL]	PS COMPANY				6285 '
'OGRID N					*Operator					levation
3132	7				SAN JUAN 3	30-5 UNIT			â	226A
*Property	1	*Property Name "We]1 Nu)) Number			
<i>5</i> 0 03	9-29	210	716	529		BASIN FRUITLAND COAL				
	I Number	2		Code			Pool Name			

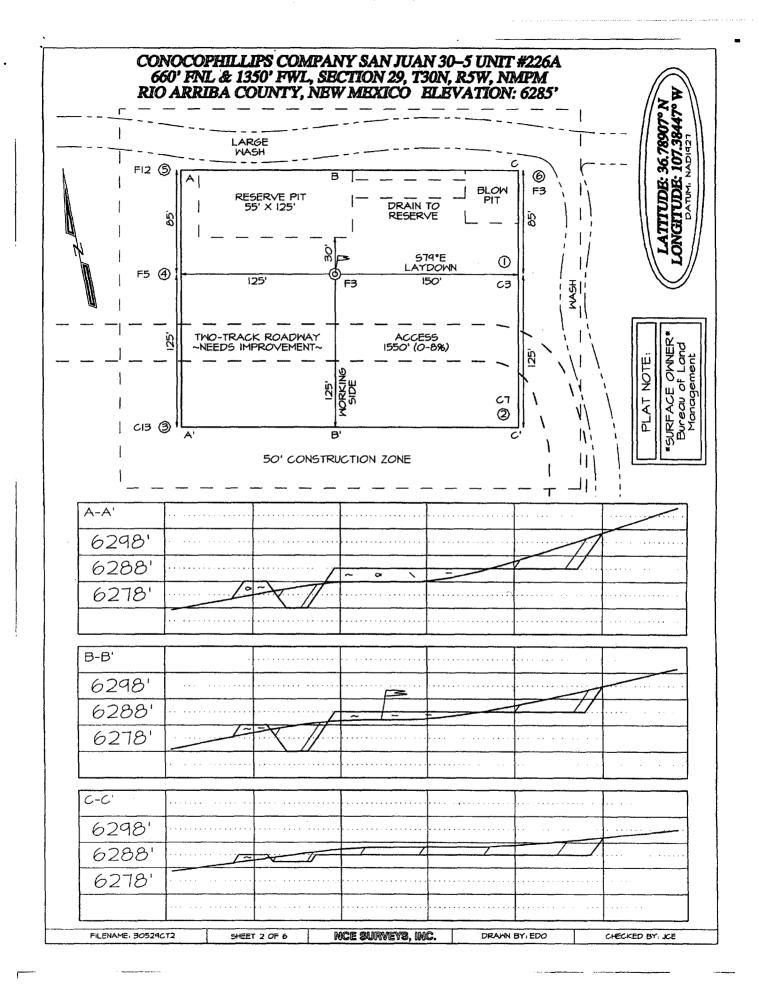
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Additional Operator Remarks:

ConocoPhillips Company propesses to drill a vertical wellbore to the Basin Fruitland Coal formation. This well will be drilled and equipped in accordance with the attachments submitted herewith. ConocoPhillips will have mudloggers on location and they will pick the TD to avoid accessing the pictured cliffs formation. This application is for APD / ROW. This is a HPA well that does not require notification. The 226A is located entirely within the SJ 30-5 FC PA and is surrounded by the PA operator - ConocoPhillips Company

Submit 3 Copies To Appropriate District	Ctata of Now M		E C 10
Office	State of New Mo Energy, Minerals and Nati		Form C-103 May 27, 2004
<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240		2141 100041000	WELL API NO.
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION		5. Indicate Type of Lease
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Fra		STATE FEE
District IV	Santa Fe, NM 8	7505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505			
SUNDRY NOT	ICES AND REPORTS ON WELLS		7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLIE			San Juan 30-5
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well X Other		8. Well Number 226 A
2. Name of Operator	Gas Well 71 Calci		9. OGRID Number
ConocoPhillips Company		·	2/78/7
3. Address of Operator 4001 Penbrook, Odessa, T	V 70762		10. Pool name or Wildcat
	X 79702		Basin Fruitland Coal
4. Well Location Unit Letter C:	660 feet from the North	b line and	1350 feet from the WIST line
Section 29		5ω	NMPM RIO arriba County
	11. Elevation (Show whether DR,		
		GL	
Pit or Below-grade Tank Application 0			Distance from nearest surface water <200'
Pit type Drill Depth to Groundwater Pit Liner Thickness: mil	Below-Grade Tank: Volume		
Fit Liner I dickness:	Delow-Grade Tank: Volume	bbis; Ce	nstruction Material
12. Check A	appropriate Box to Indicate N	ature of Notice,	Report or Other Data
NOTICE OF IN	TENTION TO:	SUB!	SEQUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRI	
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT	JOB []
OTHER: Drill Pit Notification	√	OTHER:	
			give pertinent dates, including estimated date ach wellbore diagram of proposed completion
•			
the pit in reference to the pre-	oposed wellhead. The drill pit will b	e lined. The drill pi	e attached diagram that details the location of it will be closed after the well has been NMOCD approval will be obtained prior to
closure of this pit.	tor the water has been disposed of	will be sampled and	TWOCD approvar will be obtained prior to
-			
		·	
I hereby certify that the information a	bove is true and complete to the be	st of my knowledge	and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan
line tank has been win be considered or	L.	r, a general periont 口 o	1 -1 1
SIGNATURE VILLE WILL	Dy (Py) TITLE	3K. Uraly	61 DATE 8/18/04
Type or print name Vicki Westby	E-mail address: Vicki.R	.Westby@ConocoP	hillips.com Telephone No. 432-368-1352
For State Use Only	/ 1. SHARMINA.	The con-	SFP _ m _
APPROVED BY:	TITLE	IT OIL & GAS INST	SEP - 7 2004





PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 226A

Lease:					FE #: WA		4189		AFE \$:
Field Name: hPHILL	LIPS 30-5	5	Rig:	320-2419	,	,	State: NM	County: RIO ARRIBA	API #:
Geoscientist: Murpl	hy, Jim C).	Phone	e: 832-486-23	61	Prod.	Engineer:	P	hone:
Res. Engineer: Kole	sar, Jam	es E.	Phone	e: (832) 486 -	2336	Proj. I	ield Lead:	P	hone:
Primary Objective	4/2 2 0704	j)							
Zone Z	Zone Na	me							
JCV E	BASIN FF	RUITLAND COA	L (GAS)						
Logarion Surales					30.0				s.Stalonstoe
Latitude: 36.79	Lon	gitude: -107.3	38	X:		Y:		Section: 29	Range: 5W
Footage X: 1350 FV	VL Foo	tage Y: 660 F	NL	Elevation: 62	85	(FT)	Township: 30N		
Tolerance:		<u></u>					······································		
Location Type:			Start	Date (Est.):		Con	pletion Date:	Date In O	peration:
Formation Data: A	Assume K	(B = 6298	Units =	• FT					
Formation Call & Casing Points		Depth (TVD in Ft	SS) (Ft)	Depletion (Yes/No)	BHP (PSIG)	внт		Remarks	
SAN JOSE		-2	6300			•	 		
Surface Casing		213	6085	5			12-1/4 hole. 9 to surface.	5/8" 32.3 ppf, H-40, STC	casing. Circulate cement
NCMT		1046	5252	2 🗆			to surface.		
MALO		2423	3875	5 🗍			Possible water	flows.	
KRLD		2528	3770						
FRLD		2838	3460				Possible gas.		
Intermediate Casing		2931	3367	⁷			8 3/4" Hole. 7" surface.	', 20 ppf, J-55, STC Casin	g. Circulate cement to
BASE MAIN COAL		3043	3255	5 🔲	120				
PC TONGUE		3113	3185						
Total Depth		3183	3115	5 🗆			6-1/4" hole pos	sibly underreamed to 9.5 C - left uncemented.	". Optional liner: 5.5",
PCCF		3203	3095				13.3#, 3 33 210	o lere uncernenced.	1
Reference Wells:						1.04			
Reference Type W	/ell Nam	e		Comments					
			-						
Logging Program: Intermediate Logs: [only if show	1 GD/TH		Combo				
TD Logs:] GR/ILI Dipmete		Sonic [7 VSP	☐ TDT		
Additional Information		- COMBO	Pibiliere	' <u> </u>	J JOING [וטו ו		
, addona inomatic									
Comments: Location	/Tons/Lo	nagina - HPA							
	•	yyiig " FIFA							
Zones -	HPA								

Intermediate: fresh water mud with bentonite and polymer as needed Below Intermediate: air/mist drilling media with foamer, polymer & corrosion inhibitor as needed

Printed on: 8/17/2004 7:48:59 AM

General/Work Description -

Drilling Mud Program: Surface: spud mud TD includes 80 feet sump/rathole & COPC will comply with the BLM's Conditions of Approval for the proposed sump/rathole in this non-producing Pictured Cliffs formation.

Sanduar 3045.#226A

	7" Intermediate Casing				
	Lead Slurry				
	Standard Cement				
Cement Recipe	+ 3% Econolite (Lost Circulation Additive)				
	+ 10 lb/sx Gilsonite (Lost Circ. Additvie)				
	+ 0.25 lb/sx Flocele (Lost Circ. Additive)				
Cement Required	SX				
Cement Yield	2.91 cuft/sx				
Slurry Volume	Cuit €				
	bbls bbls				
Cement Density	11.5 ppg				
Water Required	16.88 gal/sx				

	7" Intermediate Casing				
	Tail Slurry				
	50 / 50 POZ:Standard Cement				
Cement Slurry	+ 2% Bentonite (Light Weight Additive) + 5 lbm/sk Gilsonite (Lost Circ. Additive)				
		+ 2% Calcium Chloride (Accelerator)			
Cement Required	SX Throwship and the state of t				
Cement Yield	1.33 cuft/sx				
Slurry Volume	cuft				
Sidily volume	bbls				
Cement Density	13.5 ppg				
Water Required	5.36 gal/sx				

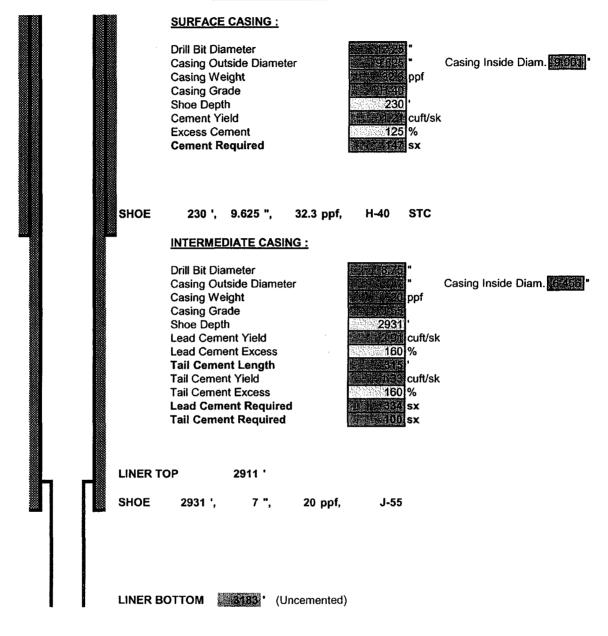
	/
	ະທະເທີເຄວາໃຊ້ເວັນກາງເຄດສະເຫດສອກການ
	Class C Standard Cement
Cement Recipe	+ 3% Galcium Chloride
	+0.25 lb/sx Flocele
Cement Volume	X X
Cement Yield	ELLIZI GUIVSX (1)
	Control of the second s
Slurry Volume	od ods
Cement Density	15.6 pog
Water Required	5.29 gal/sx

100 Sept.	5#226A	Sandinanc
Ini Csg	S0000000	
7	9.625	OD THE SECOND
6.456	9,001	Design of the second
2931	230	(DEDIGES) SALES AND
8.75	12.25	Hole Delm
160		% Excess beach the
160	125	9/4Excess hell = 35 key
		Léad Yield & Leading
		naifynaids a salaiteau
315	230	FIFE SECTION STUDIES
2616	.0	Trajo el Hail Slidad (
0	N/A	Trajezer Leadi Slugayan
9.0	8,9	Mue Wir(pipe).
WBM	* WBM	Mad Type 15 at 150 at 150

stationer (Ceresens Royals Metropers)	ompanije sig skolika i Sefensou Zimapava Lika i Sektionis osaba		and the second of the second o	NOSHIK-ETAR NEWSCHILL
		Surface Casing -		
		- Cap XS Factor	bbls cuft	SX
Open Hole Annu	lūs 230	0.055804 2.25	28.9 162.1	134.0
Shoe Track Volu		0.078735	3.1	13/3
Signal Control				

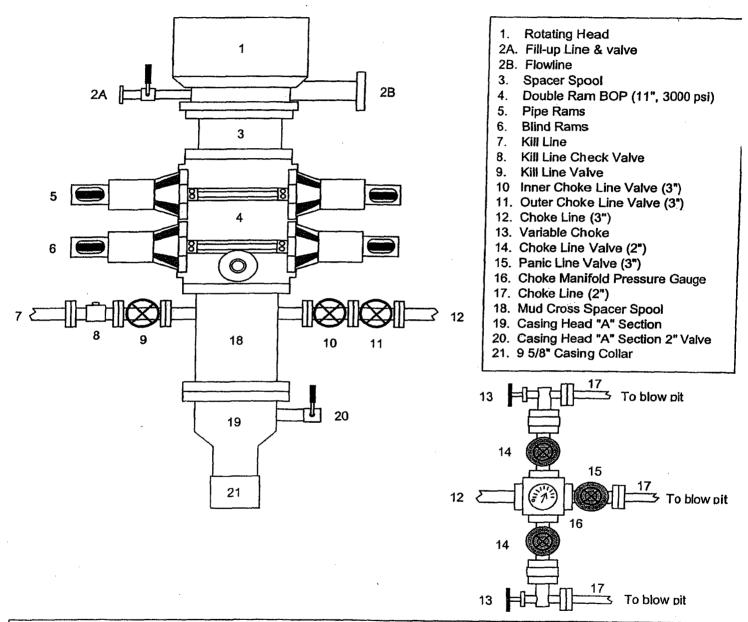
	C. FI	Intermediat Cap	XS Factor	bbls	A1.6	
	THE MAINTAIN A CONTRACTOR				cuft	SX
Lead Open Hole Annulus	2386	0.026786	2.6	166.2	932.9	320.6
Lead Cased Hole Annulus	220	0.031116		6.8	38.4	13.2
Leadoutifaledes introducios				750	374 G74 A	988
Tail Open Hole Annulus	315	0.026786	2.6	21.9	123.2	92.6
Tail Shoe Track Volume	42	0.040505	第二次的集新	1.7	9.6	7.2
jaikroleite korossest sust				1200000	0.70.72	

San Juan 30-5 # 226A



BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to Intermediate Casing Point & Setting 7" Intermediate Casing

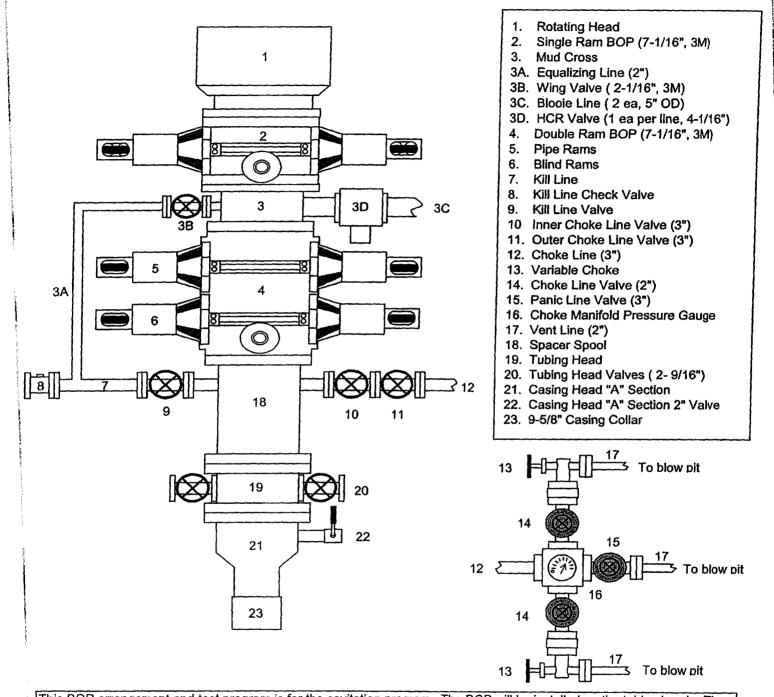


A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe rams and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 2-3 minutes and to 1000 psi (high pressure test) for 10 minutes. Then the test plug will be removed, and the 9-5/8" casing will be pressure tested against closed blind rams to 200 psi to 300 psi for 2-3 minutes and to 1000 psi for 30 minutes (this value is one 44% of the minimum internal yield pressure of the 9-5/8" casing). (Note: per regulatory requirements we will wait on cement at least 8 hrs after placement before testing the 9-5/8" surface casing). Then an 8-3/4" hole will be drilled to intermediate casing point and 7" intermediate casing will be run and cemented.

In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

- 1. Upper Kelly cock Valve with handle
- 2. Stab-in TIW valve for all drillstrings in use

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM For Cavitation Program



This BOP arrangement and test program is for the cavitation program. The BOP will be installed on the tubing head. The 7" casing will be pressure tested against closed blind rams to 200 psi to 300 psi for 2-3 minutes and to 1800 psi for 30 minutes - this test pressure is 48% of the minimum internal yield strength of 3740 psi for the 7", 20#, J-55, STC casing. The pipe rams and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 2-3 minutes and to 1800 psi (high pressure test) for 10 minutes - This test will be done with a test plug or possibly without a test plug (ie against casing). If we conduct this test without a test plug we will ensure that we have sufficient drillstring weight in the hole to exceed the upward force generated by the test.

We use a power swivel and air/mist to drill the 6-1/4" hole in our cavitation program. We do not use a kelly. In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

- 1. String floats will be used inside the drillpipe
- 2. Stab-in TIW valve for all drillstrings in use
- 3. Each blooie line is equipped with a hydraulically controlled value (HCD value)