Fores 3160-3 (August 1999)

RECEIVED

SEP 2 1 2004

FORM APPROVED OMB No. 1004-0136 Expires November 30, 2000

DEPARTMENT OF T			
BUREAU OF LAND N	MANAGEMENT Bureau of Land Manage	5. Lease Serial No.	
APPLICATION FOR PERMIT	hamington Field Offi	6. If Indian, Allottee or Tribe Na	me
1a. Type of Work: DRILL REENTER		7. If Unit or CA Agreement, Nan	ne and No.
lb. Type of Well: ☐ Oil Well ☐ Gas Well 🙀 Oth	ner: CBM 🙀 Single Zone 🔲 Multiple Zon	8. Lease Name and Well No. SAN JUAN 30-5 UNIT 247F	₹
2. Name of Operator Contact:	VICKI WESTBY	9. API Well No.	
CONOCOPHILLIPS COMPANY	E-Mail: Vicki.R.Westby@conocophillips.com	30-039-29	
3a. Address 4001 PENBROOK, SUITE 346 ODESSA, TX 79762	3b. Phone No. (include area code) Ph: 915.368.1352	10. Field and Pool, or Explorator BASIN FRUITLAND CO	
4. Location of Well (Report location clearly and in according	ance with any State requirements.*)	11. Sec., T., R., M., or Blk. and S	Survey or Area
At surface NENE 710FNL 925FEL At proposed prod. zone		A ^{Sec 26 T30N R5W Mer I}	NMP
14. Distance in miles and direction from nearest town or post	office*	12. County or Parish	I 13. State
14. Distance in finites and direction from hearest town of post	onice.	RIO ARRIBA	NM NM
15. Distance from proposed location to nearest property or	16. No. of Acres in Lease	17. Spacing Unit dedicated to the	is well
lease line, ft. (Also to nearest drig. unit line, if any)		E/2 320.00	
18. Distance from proposed location to nearest well, drilling,	19. Proposed Depth	20. BLM/BIA Bond No. on file	
completed, applied for, on this lease, ft.	3930 MD		
21. Elevations (Show whether DF, KB, RT, GL, etc. 7130 GL	22. Approximate date work will start	23. Estimated duration	
	24. Attachments		
The following, completed in accordance with the requirements	of Onshore Oil and Gas Order No. 1, shall be attached	I to this form:	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Sys SUPO shall be filed with the appropriate Forest Service Of 	Item 20 above). Stem Lands, the 5. Operator certification	ations unless covered by an existing be information and/or plans as may be re	,
25. Signature (Electronic Submission)	Name (Printed/Typed) VICKI WESTBY		ate)9/17/2004
Title AGENT			
Approved by (Signature)	Name (Printed/Typed)	Da	ate /
Willandie ()		3	1390
Title AFM	Office F		<i>(</i>
Application approval does not warrant or certify the applicant hoperations thereon. Conditions of approval, if any, are attached.	olds legal or equitable title to those rights in the subjec	t lease which would entitle the applica	nt 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 representa	make it a crime for any person knowingly and willfull tions as to any matter within its jurisdiction.	y to make to any department or agency	of the United
Additional Operator Personal Constitution		Son Son	
Additional Operator Remarks (see next page) Electronic Submiss For CONO	sion #36308 verified by the BLM Well Info	ADD assa	10168
		Pi Solvo. U	W. 3

UNITED STATES

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Revised June 10, 2003

Santa Fe, NM 87505 CE Appropriate District Office

State Lease - 4 Copies

SEP 2 1 2004

Farmington Field Office

Fee Lease - 3 Copies

Form C-102

Bureau of Land Management

AMMENDED REPORT

1000 Rio Brazos Rd., Aztec, NM 87410 District_IV 1220 S. St. Francis Or., Santa Fe, NM 87505

1625 N. French Dr., Hobbs, NM 88240

1301 W. Grand Avenue, Artesia, NM 88210

District_i

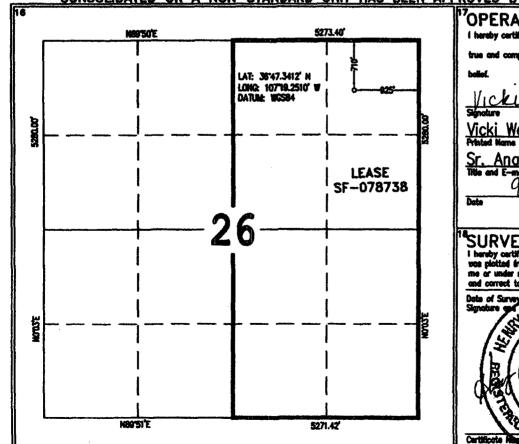
District II

LOCATION AND ACREAGE DEDICATION PLAT WELL API Number 71629 BASIN FRUITLAND COAL (GAS) SAN JUAN 30-5 UNIT 247R 217817 CONOCOPHILLIPS COMPANY 7130

¹⁰Surface Location UL or let no. East/West Iln Feet from the NORTH **30**N 5 W 925 RIO ARRIBA 26 EAST 11Bottom Hole Location If Different From altownship | Range | Lat Ida|Feet from the North/South line|Feet from the Different From Surface UL or let no. Section Township County Dedicated Acre Joint or infill! Conscilidation Code "Order No. 320.04

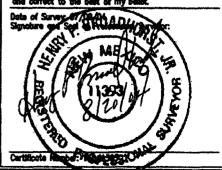
East 1/2

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

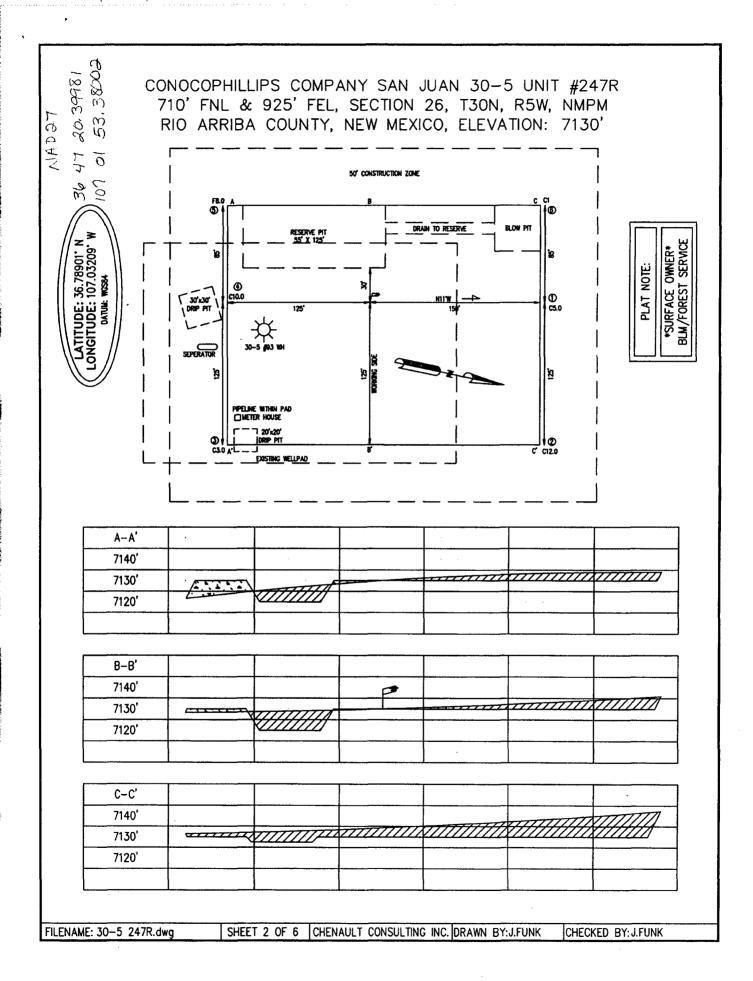


I hereby certify that the information contained herein is
true and complete to the best of any knowledge and
belief.
Vicki Westby (pg)
Vicki Westby
Printed Marne
Sr. Analyst
Title and E-mail Address 91104
Date

URVEYOR CERTIFICATION by certify that the well location shown on this plot lotted from folid notes of actual surveys made by



Submit 3 Copies To Appropriate District	State of	New Mexic	œ			Form C-103
Office District I	Energy, Minerals	and Natural	Resources			May 27, 2004
1625 N. French Dr., flobbs, NM 88240				WELLA		200
District 11 1301 W. Grand Ave., Artesia, NIM 882 1 0	OIL CONSER'	VATION D	IVISION		239 - 29 te Type of Lease	
District III	1220 Sout	h St. Franci	s Dr.	1		FEE 🗆
I 000 Rio Brazos Rd., Aztec, NM 8741 0 District IV	Santa F	e, NM 8750	5		oil & Gas Lease	
1220 S. St. Francis Dr., Santa Fe, NM 87505						and a second
	ICES AND REPORTS O	N WELLS	····	7. Lease 1	Name or Unit A	greement Name
(DONOTUSETHIS FORMFOR PROPO DIFFERENT RESERVOIR USE APPLIA						
PROPOSALS)	AIMNIORPERVIII (FOR	MC-IUI)PORS	uch		SAN JUAN 30-	5 UNIT
1. Type of Well: Oil Well	Gas Well X Other		····	8. Well N		247R
2. Name of Operator	Dhilling Company			9. OGRII	ONumber 217817	ļ
3. Address of Operator	Phillips Company			I O. Pool	name or Wildcat	
	enbrook, Odessa, TX 797	62			ASIN FRUITLA	
4. Well Location		······································				
Unit Letter A	710 feet from the	NORTH	line and	925	feet from the	EAST line
Section 26	Township	30N Range	5W	NMPM	County RI	O ARRIBA
	I 1. Elevation (Shor					
Pit r Btl n% aj n1v I ink Applikillon		7130	GL			
	ater >100' Distance from ne	arest fresh water		ance from ne	orest surfose weter	>1000'
Pit Liner Thickness: mil	Below-Grade Tank: Vo			struction Ma	_	
12. Check 2	Appropriate Box to In	knicale Natu	re of Notice, i	report or	Otner Data	
NOTICE OF IN	ITENTION TO:		SUB	SEQUEN	NT REPORT	OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON		EMEDIAL WORK			NG CASING □
TEMPORARILY ABANDON [CHANGE PLANS	= 1	OMMENCE DRIL		IS. PAND	A 🗆
PULL OR ALTER CASING	MULTIPLE COMPL		ASING/CEMENT	JOB	L	
OTHER:			THER:			
13. Describe proposed or com						
of starting any proposed wa or recompletion.	ork). SEE RULE 1103. 1	or Multiple C	completions: Atta	ach wellbor	e diagram of pro	posed completion
or recompletion.						
ConocoPhillips Generic Pi						
the pit in reference to the p completed. The solids left a						
closure of this pit.	and the view into occirci	sposod of will	ic surpectare	INVICED	approvar will oc	COMMENCE PRIOR TO
-						
I hereby certify that the information grade tank has been/will be constructed or	on above is true and conclosed according to NMOCD	nplete to the guidelines, a	general permit 0	vledge and er an (attache	d belief. I further œ ed) alternative OCD	rtify that any pit or below- - approved plan
SIGNATURE Vick	Westby	TITLE	Sr. Ana	lyst	DATE_	9/17/04
Type or print name		E-mail addres	ss:		Telephone 1	No.
For State Use Only	~ <i>(</i>				•	A (5) 5
APPROVED BY:	f)/	TITLE OF U	TY OIL & GAS IF	ISPECTOR,	OIST. PLATE	APR 0 3 2006
Conditions of Approval (if any):	7/	A R R A A A A A A A A A A A A A A A A A	MILITER CONT. CONTROL CONTROL CO., CO. C.	***************************************	- DAIC	





PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

9	Δ	N	. 1	111	Δ	N	30	-5	2	47	P

Lease:				A	VFE #:					AFE \$:
Field Name: hPHIL	LIPS 30-5		Rig:				State:	NM County: RIO A	RRIBA	API #:
Geoscientist: Clou	d, Tom A		Phone	: +1 832 486	-2377	Prod.	Engineer:	Bergman, Pat W.	Pho	one: (832) 486-2358
Res. Engineer: Kol	esar, James	Е.	Phone	e: (832) 486 -	2336	Proj. I	Field Lead:		Pho	one:
Primary/Oppressiv	e Zenesyk		, in							
Zone	Zone Name									
JCV	BASIN FRUI	TLAND COAL	(GAS)							
((Logalijan) (saijaks										
Latitude: 36.79	Longitu	ude: -107.03		X:		Y:		Section: 26	a kantan dalah merengga	Range: 5W
Footage X: 925 FE	L Footag	e Y: 710 FNL		Elevation: 71	30	(FT)	Township:	30N		<u> </u>
Tolerance:	•		L							
Location Type:			Start (Date (Est.):		Con	pletion Dat	e: [Date In Ope	ration:
Formation Data:	Assume KB =	= 7143 (Jnits =	FT		· ·				
Formation Call & Casing Points		Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	внт		R	emarks	
SAN JOSE		13	7130			·	l			
Surface Casing		213	6930				12-1/4 hole to surface.	e. 9 5/8" 32.3 ppf, I	H-40, STC c	asing. Circulate cement
NCMT		2043	5100							
OJAM		3313	3830	_			Possible w	ater flows.		
KRLD		3413	3730							
FRLD		3643	3500	=			Possible ga			
Intermediate Casing		3728	3415				8 3/4" Hole surface.	e. 7", 20 ppf, J-55, 9	STC Casing.	Circulate cement to
BASE MAIN COAL		3843	3300		325			•		
PC TONGUE		3898	3245	_						
Total Depth		3930	3213				6-1/4" hole	possibly underream LTC - left uncemer	ned to 9.5".	Optional Liner: 5.5,
BASE LOWEST COAL	•	4038	3105				13.3#, 3-3.	DETC - leit unceiner	iteu.	1
PCCF		4040	3103	ā						
staterence wells						9.7				
Reference Type V	Vell Name			Comments						
a kojajajinje i knjojel kalije										
Intermediate Logs:	Log only	if show \square	GR/ILC	Triple (Combo					
TD Logs:	Triple Co		meter		Sonic [7 VSP	☐ TDT			
Additional Informati	<u> </u>	<u> </u>					<u> </u>			
Comments: Zones -	Carron Notic	anal Causet								

Comments: Zones - Carson National Forest

General/Work Description - Carson National Forest Twin to #93 drilled in 1983

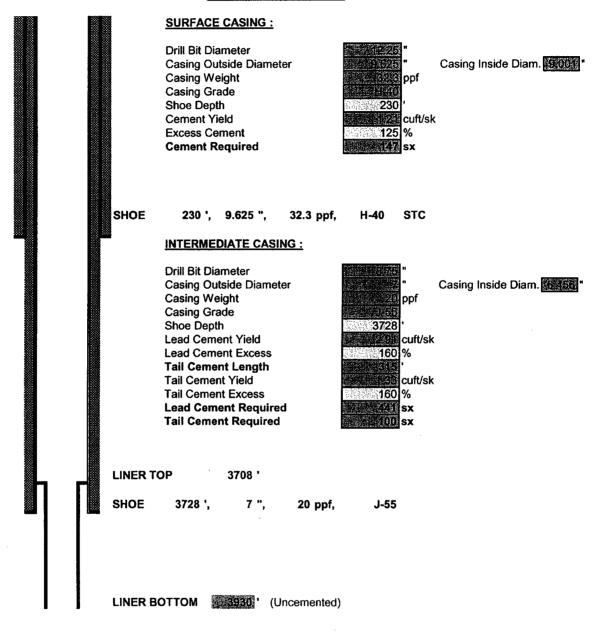
Mud Log from intermediate casing shoe to TD will be obtained.

Drilling Mud Program: Surface: spud mud

Intermediate: fresh water mud with bentonite and polymer as needed

Printed on: 9/16/2004 1:43:09 PM

San Juan 30-5 # 247R



Para di para di Sani di para di sa	54/24/19	NA COLOR
	Sur Csg	int Csgr
	9,625	7
IDS: 12.31 PAGE 98.55	9,001	6.456
Bejoid Commission	230	3728
Hele Diamin State Co.	12.25	8,75
17/16 Exteress sugar distribution (\$2.55)		160
W. Ergess Talkate 数数数数	125	160
Lead Yieles as a second		7. (6)
TENTATORIAN SEE		
Soldieli Strovenia and	230	315
ropoja ali Sigryma, alias	1 0	3413
arajayan 146216 (albumya 1866 186	N/A	. 0
Mistalia Maritaga (Barana)	8.9	9.0
Muditivate	wBM	WBM

		Sürface	Casino	Notes to the second
		Ft Cap	And an entry at the comment of the c	s cuft sx
Open Hole An	nülüs .	230 0.05580	4 2.25	28.9 162.1 134
Shoe Track Vo	olúme	40 0.07873		
	Company of the second s			ESTATORISTINICAS INDUSTRIA

		Intermediat	e Casing			
	S. Ft	Cap	XS Factor	bbls	cuft	SX
Lead Open Hole Annulus	3183	0.026786	2.6	221.7	1244.6	427.7
Lead Cased Hole Annulus	220	0.031116	100000000000000000000000000000000000000	6.8	38.4	13.2
Najatén katén kawasa dan Kalikan				924875	23,5(0	
Tail Open Hole Annulus	315	0.026786	2.6	21.9	123.2	92.6
Tail Shoe Track Volume	42	0.040505	###### 1	1.7	9,6	7.2
erilians) vii			151	50 M S 52 G	2010/01/02/07	

•

	# San duan 30-5 # 247 R
	and the supposition of the second
a water	Class C Standard Cement
Cement Recipe	+3% Calcium Chloride
	+0.25 lb/sx Flocele
Cement Volume	Baseline SX
Cement Yield	1.21 cufvex
Slurry Volume	Cuft
	Mark 20 bols
Cement Density	15.6 ppg
Water Required	5.29 dal/sx

.

	7" Intermediate Casing					
	Lead Slurry					
	Standard Cement					
Addition Dayles	+ 3% Econolite (Lost Circulation Additive)					
Cement Recipe	+ 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	<u> Cuit</u>					
Siurry volume	bbls					
Cement Density	14.5 ppg					
Water Required	16.88 gal/sx					

	7" Intermediate Casing					
	Tail Slurry					
	50 / 50 POZ Standard Cement					
	+ 2% Bentonite (Light Weight Additive)					
Cement Slurry	+ 5 lbm/sk Gilsonite (Lost Circ. Additive)					
	+ 0.25 lbm/sk Flocele (lost Circ. Additive)					
	± 2% Calcium Chloride (Accelerator)					
Cement Required	SX					
Cement Yield	1.33 cuft/sx					
Slurry Volume	cuft cuff					
	bbls					
Cement Density	13.5 ppg					
Water Required	5.36 gal/sx					

San Juan 30-5 #247R

SURFACE CASING:

Drill Bit Diameter
Casing Outside Diameter
Casing Weight
Casing Grade
Shoe Depth
Cement Yield
Excess Cement

9.001 9.001 9.001 9.001 9.001 9.001 9.001 9.001 9.001 9.001 9.001

Casing Capacity
Hole / Casing Annulus Capacity

0.0787 bbl/ft 0.4419 cuft/ft 0.0558 bbl/ft 0.3132 cuft/ft

Cement Required

147 sx

SHOE

230 ', 9.625 ",

32.3 ppf,

H-40

INTERMEDIATE CASING:

Drill Bit Diameter
Casing Outside Diameter
Casing Weight
Casing Grade
Shoe Depth
Lead Cement Yield
Lead Cement Excess
Tail Cement Length
Tail Cement Yield
Tail Cement Excess

Casing Capacity
Casing / Casing Annulus Capacity
Hole / Casing Annulus Capacity

0.0405 bbl/ft 0.2273 cuft/ft 0.0311 bbl/ft 0.1746 cuft/ft 0.0268 bbl/ft 0.1503 cuft/ft

Lead Cement Required Tail Cement Required 494 sx 100 sx

LINER TOP

3708 '

SHOE

3728 ',

7 ",

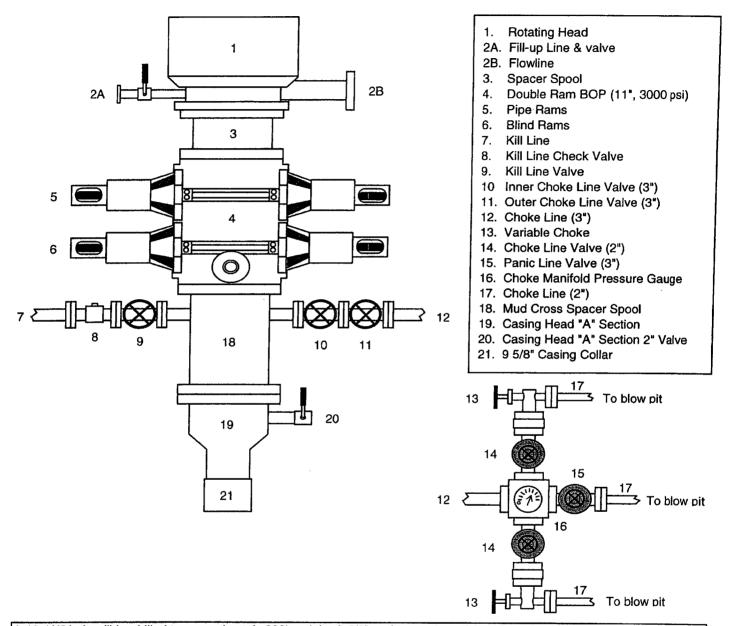
20 ppf,

J-55

LINER BOTTOM 3930 (Uncemented)

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 10 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 10 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.

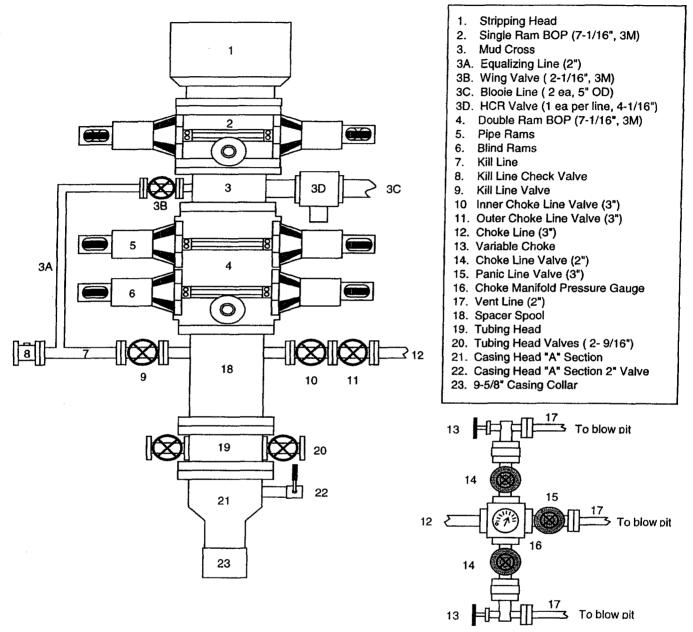
In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

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

Revision Date: September 1, 2004

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 10 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 10 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 valve (HCR valve).