

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

MMCC

District I  
PO Box 1980, Hobbs, NM 88241-1980

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

District 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

*API Number 30-039-29930		*Pool Code 72319	*Pool Name BLANCO MESAVERDE
*Property Code 31326	*Property Name SAN JUAN 29-6 UNIT		*Well Number 11C
*GRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6450'

10 Surface Location


UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	7	29N	6W		825	SOUTH	2235	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 320.0 Acres - W/2	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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

16	2636.04'	2636.04'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Virgil E. Chavez</i> Signature Virgil E. Chavez Printed Name Projects & Operations Lead Title May 18, 2006 Date
LEASE SF-080662			18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief Date of Survey: JULY 21, 2004 Signature and Seal of Professional Surveyor  JASON C. EDWARDS Certificate Number 15269
LEASE FEE	LEASE SF-080379		
LEASE NM-03471			
2235'	LAT: 36°44.1113' N LONG: 107°30.3038' W DATUM: NAD27	2635.38'	
LEASE FEE	2635.38'	2635.38'	

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

May 27, 2004

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)</p>		<p>WELL API NO. 30-039- <b>29930</b></p>
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other</p>		<p>5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/></p>
<p>2. Name of Operator ConocoPhillips Company</p>		<p>6. State Oil &amp; Gas Lease No. NMSF-080379</p>
<p>3. Address of Operator 3401 E. 30TH STREET, FARMINGTON, NM 87402</p>		<p>7. Lease Name or Unit Agreement Name San Juan 29-6 Unit</p>
<p>4. Well Location Unit Letter <u>N</u> : <u>825'</u> feet from the <u>South</u> line and <u>2235'</u> feet from the <u>West</u> line Section <u>7</u> Township <u>29N</u> Rng <u>6W</u> NMPM County <u>Rio Arriba</u></p>		<p>8. Well Number #11C</p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6450'</p>		<p>9. OGRID Number 217817</p>
<p>Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/></p>		<p>10. Pool name or Wildcat Blanco Mesaverde</p>
<p>Pit type <u>New Drill</u> Depth to Groundwater <u>&gt;100</u> Distance from nearest fresh water well <u>&gt;1000'</u> Distance from nearest surface water <u>&gt;1000'</u></p>		
<p>Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume <u>        </u> bbls; Construction Material <u>        </u></p>		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: New Drill ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The pit will be constructed and closed in accordance with Rule 50 and as per the November 1, 2004 guidelines. See the attached diagram that details the location of the pit in reference to the proposed wellhead. The dirll pit will be lined. The drill pit will be closed after the well has been completed.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Patsy Clugston TITLE Sr. Regulatory Analyst DATE 5/24/2006

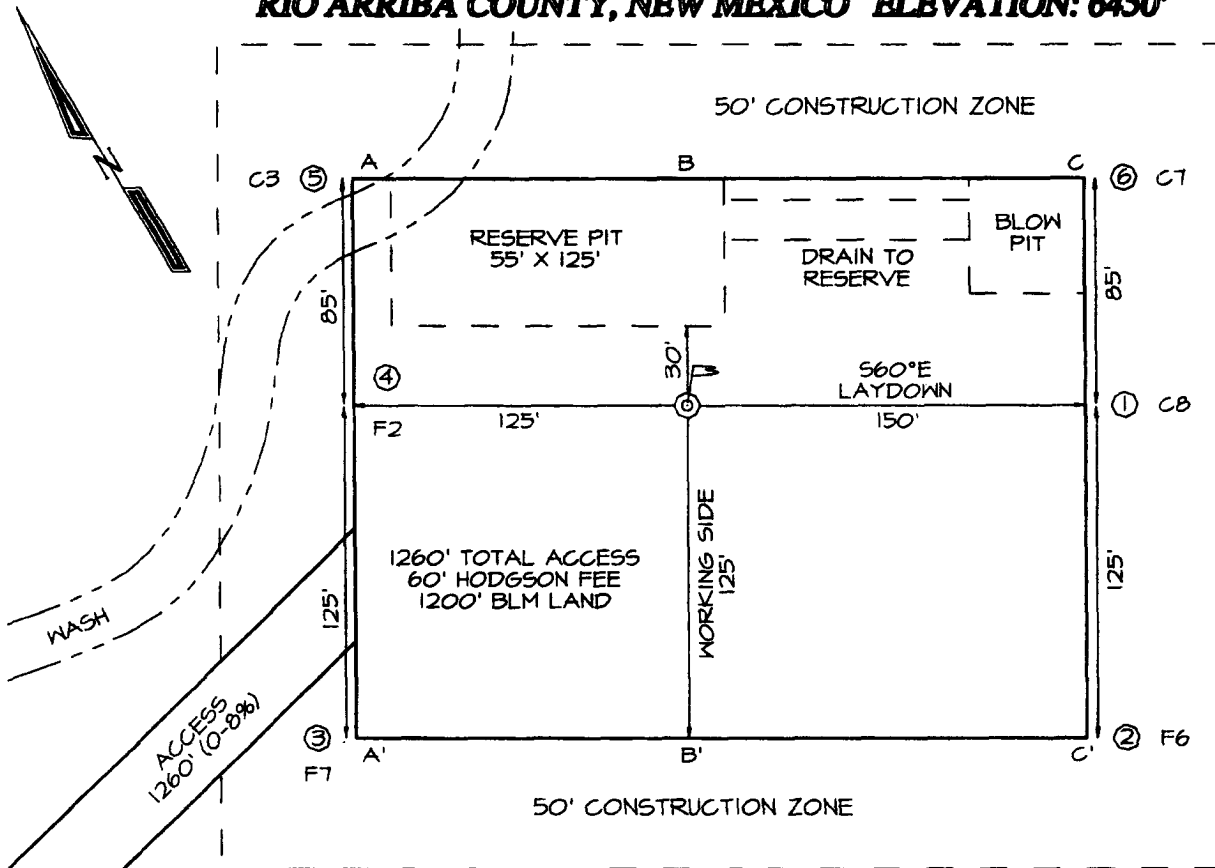
Type or print name Patsy Clugston E-mail address: pclugston@br-inc.com Telephone No. 505-326-9518

For State Use Only

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE SEP 01 2006

Conditions of Approval (if any):

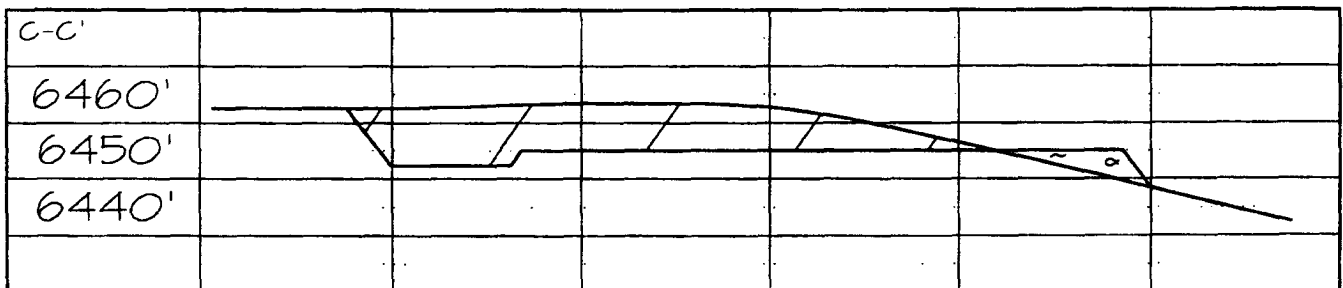
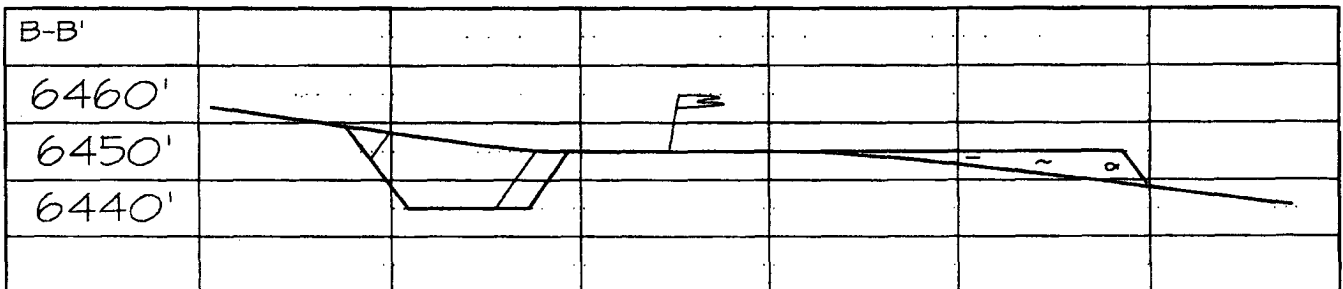
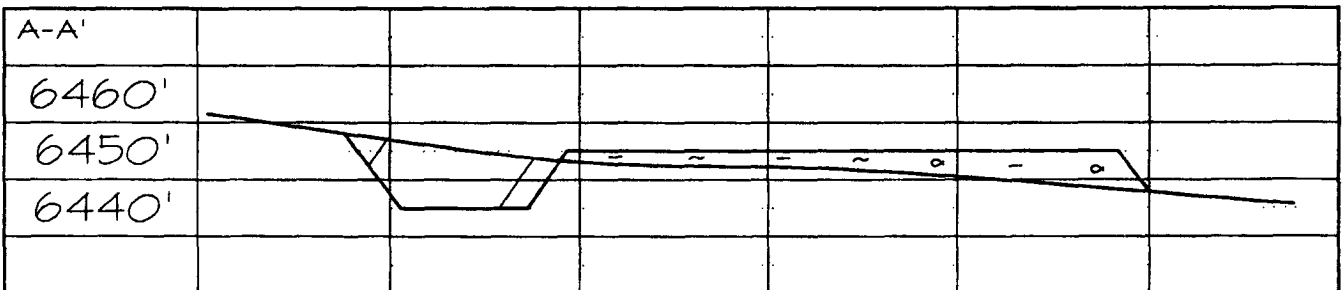
**CONOCOPHILLIPS COMPANY SAN JUAN 29-6 UNIT #11C**  
**825' FSL & 2235' FWL, SECTION 7, T29N, R6W, NMPM**  
**RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6450'**



**LATITUDE: 36.73519° N**  
**LONGITUDE: 107.50506° W**  
 DATUM: NAD1927

PLAT NOTE:

\*SURFACE OWNER\*  
 Bureau of Land  
 Management



# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-6 11C

Lease:		AFE #: WAN.CNV.5153		AFE \$:	
Field Name: 29-6		Rig: H&P 283		State: NM County: RIO ARRIBA API #:	
Geoscientist: Glaser, Terry J		Phone: (832)486-2332		Prod. Engineer: Moody, Craig E. Phone: 486-2334	
Res. Engineer: Hensley, Dan E		Phone: 832-486-2385		Proj. Field Lead: Fransen, Eric E. Phone:	

## Primary Objective (Zones):

Zone	Zone Name
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.735304	Longitude: -107.505455	X:	Y:	Section: 7	Range: 6W
Footage X: 2235 FWL	Footage Y: 825 FSL	Elevation: 6450 (FT)	Township: 29N		
Tolerance:					
Location Type: Year Round		Start Date (Est.):		Completion Date:	
				Date In Operation:	

Formation Data: Assume KB = 6465 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	215	6250	<input type="checkbox"/>			Possible lost circulation. 12 1/4" Hole. 9 5/8", 32.3 ppf, H-40, STC casing. Circulate cement to surface.
NCMT	1040	5425	<input type="checkbox"/>			
CJAM	2360	4105	<input type="checkbox"/>			Possible water flows.
KRLD	2540	3925	<input type="checkbox"/>			Possible water flows.
FRLD	3075	3390	<input type="checkbox"/>			Possible gas.
PCCF	3325	3140	<input type="checkbox"/>			
LEWS	3525	2940	<input type="checkbox"/>			
Intermediate Casing	3625	2840	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	4325	2140	<input type="checkbox"/>			
CLFH	5085	1380	<input type="checkbox"/>			Gas; possibly wet
MENF	5165	1300	<input type="checkbox"/>			Gas.
PTLK	5485	980	<input type="checkbox"/>			Gas.
MNCS	5735	730	<input type="checkbox"/>			
TOTAL DEPTH MV	5835	630	<input type="checkbox"/>			6-1/4" Hole. 4-1/2", 10.5 ppf, J-55, STC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.

## Reference Wells:

Reference Type	Well Name	Comments
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## Logging Program:

Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☒ TDT

## Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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**San Juan 29-6 #11C**  
**Schlumberger Cementing Program**

**SURFACE CASING :**

Drill Bit Diameter	12.25"	
Casing Outside Diameter	9.625"	Casing Inside Diam. 9.001"
Casing Weight	32.3	ppf
Casing Grade	H-40	
Shoe Depth	235'	
Cement Yield	1.16	cuft/sk
Excess Cement	125	%
Cement Required	141	sx

SHOE 235', 9.625", 32.3 ppf, H-40 STC

**INTERMEDIATE CASING :**

Drill Bit Diameter	8.75"	
Casing Outside Diameter	7"	Casing Inside Diam. 6.456"
Casing Weight	20	ppf
Casing Grade	J-55	
Shoe Depth	3625'	
Lead Cement Yield	2.72	cuft/sk
Lead Cement Excess	150	%
Tail Cement Length	725'	
Tail Cement Yield	1.31	cuft/sk
Tail Cement Excess	150	%
Lead Cement Required	383	sx
Tail Cement Required	215	sx

SHOE 3625', 7", 20 ppf, J-55 STC

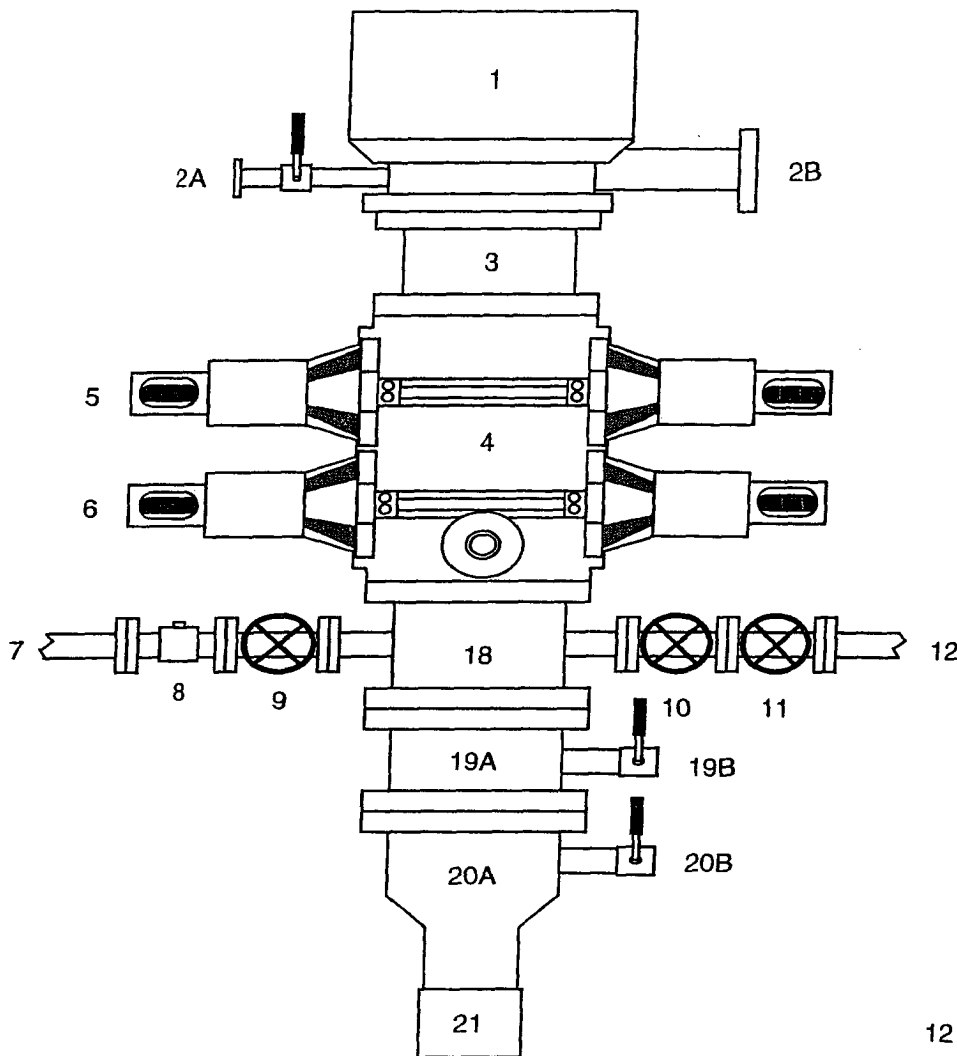
**PRODUCTION CASING :**

Drill Bit Diameter	6.25"	
Casing Outside Diameter	4.5"	Casing Inside Diam. 4.000"
Casing Weight	10.5	ppf
Casing Grade	J-55	
Top of Cement	3425'	200' inside intermediate casing
Shoe Depth	5835'	
Cement Yield	1.44	cuft/sk
Cement Excess	50	%
Cement Required	252	sx

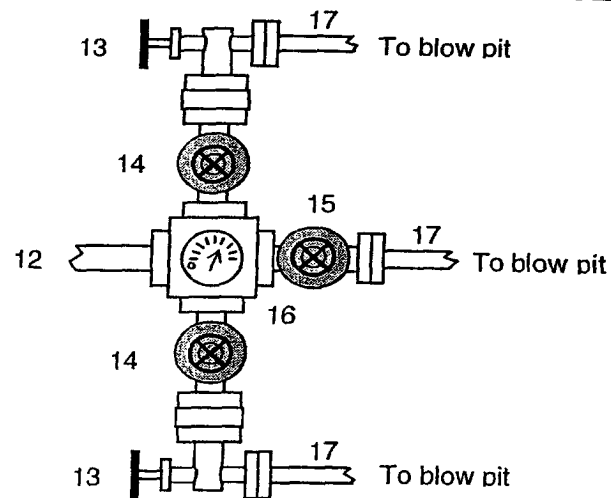
SHOE 5835', 4.5", 10.5 ppf, J-55 STC

## BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to TD and Setting 4.5 inch Casing



1. Rotating Head
- 2A. Fill-up Line & valve
- 2B. Bleeed Line (for Air Drilling)
3. Spacer Spool
4. Double Ram BOP (11", 3000 psi)
5. Pipe Rams
6. Blind Rams
7. Kill Line
8. Kill Line Check Valve
9. Kill Line Valve
10. Inner Choke Line Valve (3")
11. Outer Choke Line Valve (3")
12. Choke Line (3")
13. Variable Choke
14. Choke Line Valve (2")
15. Panic Line Valve (3")
16. Choke Manifold Pressure Gauge
17. Choke Line (2")
18. Mud Cross Spacer Spool
- 19A Csg Spool "B" Section (11", 3M)
- 19B "B" Section Csg Valve (2", 3M)
- 20A Csg Head "A" Section (11", 3M)
- 20B "A" Section Csg Valve (2", 3M)
21. 9 5/8" Casing Collar



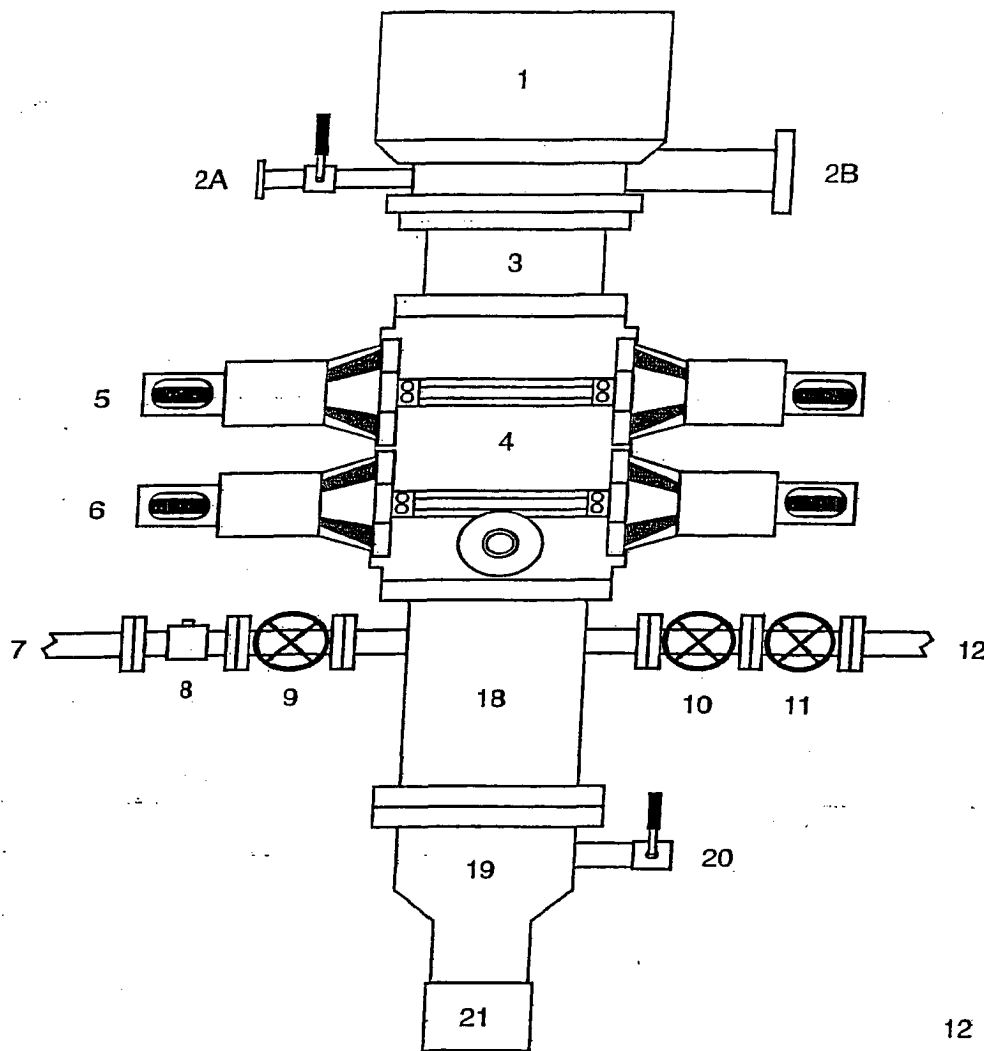
After the 7" intermediate casing has been run and cemented, the Casing Spool ("B" Section) will be installed on the wellhead ("A" Section) and the BOP will be installed on the Casing Spool. A test plug will be set in the wellhead and the pipe rams, blind rams, and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 10 minutes and to 3000 psi (high pressure test) for 10 minutes. Then the test plug will be removed and 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. Then we will air drill the 6-1/4" hole to TD and run and cement the 4-1/2" casing.

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

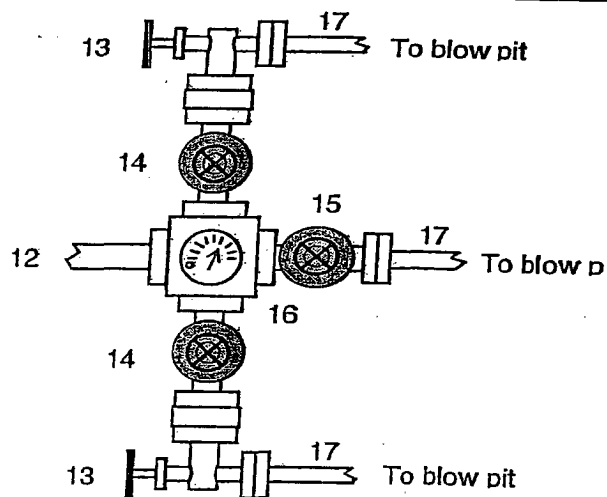
1. Upper Kelly cock Valve with handle
2. Stab-in TIW valve for all drillstrings in use

# BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

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



1. Rotating Head
- 2A. Fill-up Line & valve
- 2B. Flowline
3. Spacer Spool
4. Double Ram BOP (11", 3000 psi)
5. Pipe Rams
6. Blind Rams
7. Kill Line
8. Kill Line Check Valve
9. Kill Line Valve
10. Inner Choke Line Valve (3")
11. Outer Choke Line Valve (3")
12. Choke Line (3")
13. Variable Choke
14. Choke Line Valve (2")
15. Panic Line Valve (3")
16. Choke Manifold Pressure Gauge
17. Choke Line (2")
18. Mud Cross Spacer Spool
19. Casing Head "A" Section
20. Casing Head "A" Section 2" Valve
21. 9 5/8" Casing Collar



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: