

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SF-078739
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator CONOCOPHILLIPS COMPANY Contact: VICKI WESTBY E-Mail: Vicki.R.Westby@conocophillips.com		7. If Unit or CA Agreement, Name and No.
3a. Address 4001 PENBROOK, SUITE 346 ODESSA, TX 79762	3b. Phone No. (include area code) Ph: 915.368.1352	8. Lease Name and Well No. SAN JUAN 30-5 UNIT 234A
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NWNW 753FNL 1104FWL At proposed prod. zone		9. API Well No. 3003922806
14. Distance in miles and direction from nearest town or post office*	15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	10. Field and Pool, or Exploratory BASIN FRUITLAND COAL
16. No. of Acres in Lease	17. Spacing Unit dedicated to this well	11. Sec., T., R., M., or Blk. and Survey or Area Sec 22 T30N R5W Mer NMP 0
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 3413 MD	12. County or Parish RIO ARRIBA
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6500 GL	22. Approximate date work will start	13. State NM
23. Estimated duration		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) VICKI WESTBY	Date 06/18/2004
Title AGENT		
Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed) AEM	Date 7-28-04
Title AEM	Office FFO	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #32139 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

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

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

State of New Mexico
 Energy, Minerals & Natural Resources Department
 OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

District I
 1825 N. French Dr., Hobbs, NM 88240
 District II
 1501 W. Grand Avenue, Artesia, NM 88210
 District III
 1000 Rio Grande Rd., Aztec, NM 87410
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

Form C-102
 Revised June 10, 2003
 Submit to Appropriate District Office
 State Lease - 4 Copies
 Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APN Number 30-039-27806		Pool Code 71629	Pool Name BASIN FRUITLAND COAL (GAS)					
Property Code 31327	Property Name SAN JUAN 30-5 UNIT		Well Number 234A					
Order No. 217817	Operator Name CONOCOPHILLIPS COMPANY		Elevation 6500					
Surface Location								
UL or lot no. D	Section 22	Township 30N	Range 5W	Lot 1/4 753	Feet from the North/South line NORTH	Feet from the East/West line 1104	East/West line WEST	County RIO ARRIBA
Bottom Hole Location if Different From Surface								
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the North/South line	Feet from the East/West line	East/West line	County
Dedicated Acres 320.0		Joint or Infill	Consolidation Code	Order No.				

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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature <i>Vicki Westby</i> Vicki Westby Sr. Analyst Title and E-mail Address Date June 17, 2004</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey 05/21/04 Signature and Seal of Registered Surveyor Certificate Number: 11853</p>

Additional Operator Remarks:

ConocoPhillips Company proposes 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. This is a LPA well and does not require notification. This application is for APD/ROW.

Submit 3 Copies To Appropriate District Office
 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

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 March 4, 2004

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO.
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name San Juan 30-5 Unit
8. Well Number 234A
9. OGRID Number 217817
10. Pool name or Wildcat Basin Fruitland Coal

SUNDRY NOTICES AND REPORTS ON WELLS
 (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.)

1. Type of Well:
 Oil Well Gas Well Other

2. Name of Operator
 ConocoPhillips Company

3. Address of Operator
 4001 Penbrook, Odessa, TX 79762

4. Well Location
 Unit Letter D : 753 feet from the North line and 1104 feet from the West line
 Section 22 Township 30N Range 5W NMPM Rio Arriba County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
 6500' GL

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)
 Pit Location: UL D Sect 22 Twp 30N Rng 5W Pit type Drill Pit Depth to Groundwater >100' Distance from nearest fresh water well >1000'
 Distance from nearest surface water >200<1000' Below-grade Tank Location UL _____ Sect _____ Twp _____ Rng _____ ; _____ feet from the _____ line and _____ feet from the _____ line

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
MULTIPLE COMPLETION <input type="checkbox"/>	OTHER: <input type="checkbox"/>
OTHER: Drill Pit Notification <input checked="" type="checkbox"/>	

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.

ConocoPhillips Company's Generic Pit Plan is on file at NMOCD in Aztec, NM. See the attached diagram that details the location of the pit in reference to the proposed wellhead. The drill pit will be lined. The drill pit will be closed after the well has been completed. The solids left after the water has been disposed of will be sampled and NMOCD approval will be obtained prior to closure of this pit.

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 Vicki Westby TITLE Sr. Analyst DATE 6/17/04

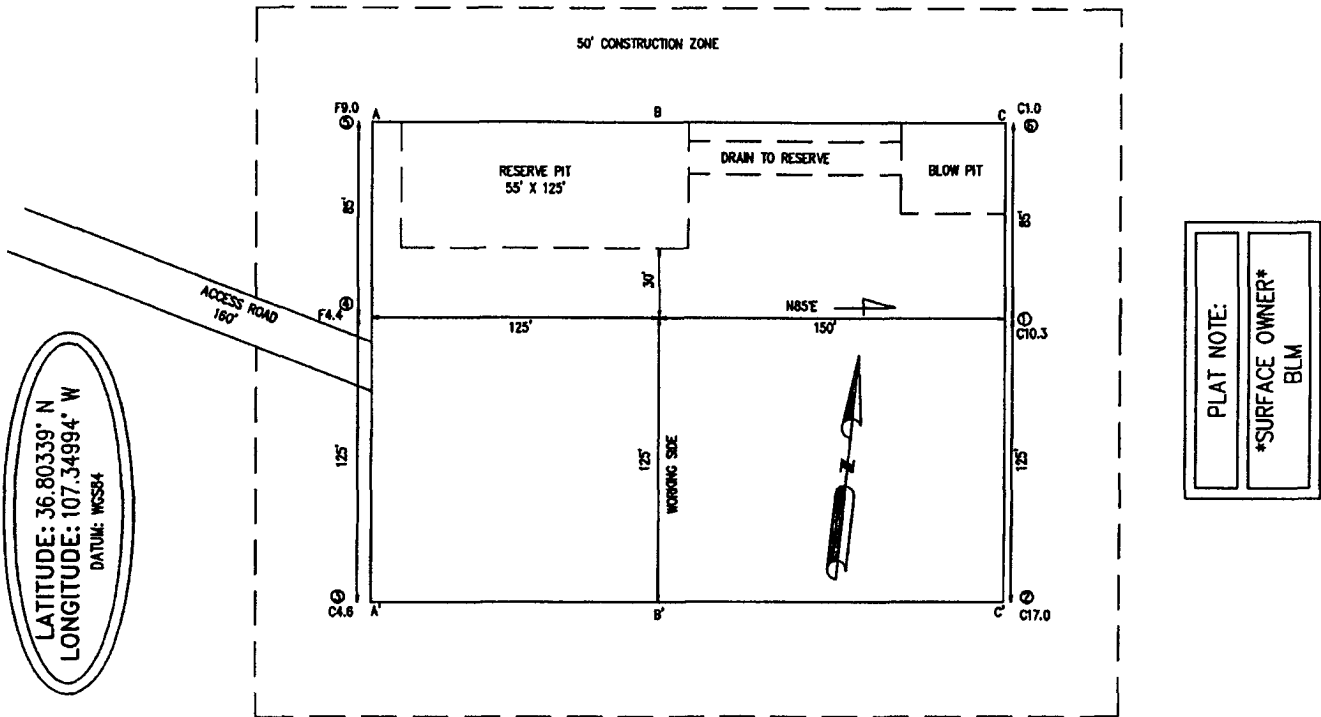
Type or print name Vicki Westby E-mail address: Vicki.R.Westby@conocophillips.com Telephone No. 432-368-1352

(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. # DATE JUL 30 2004

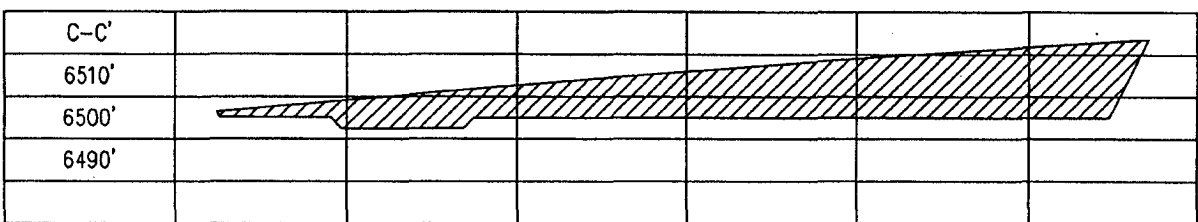
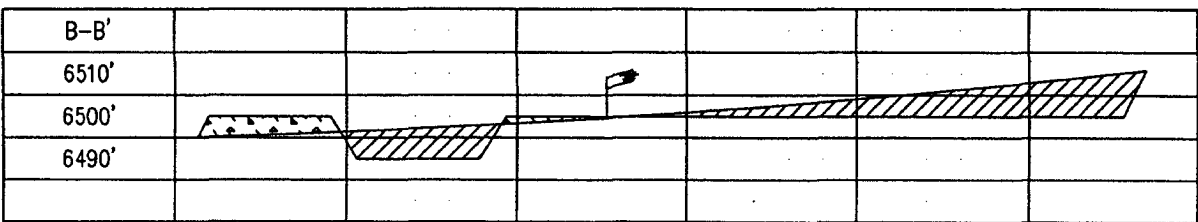
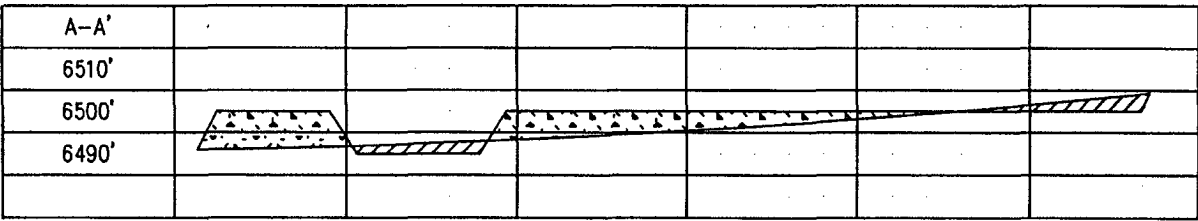
Conditions of approval, if any:

CONOCOPHILLIPS COMPANY SAN JUAN 30-5 UNIT #234A
 753' FNL & 1104' FWL, SECTION 22, T30N, R5W, NMPM
 RIO ARRIBA COUNTY, NEW MEXICO, ELEVATION: 6500



PLAT NOTE:
 SURFACE OWNER
 BLM

LATITUDE: 36.80339° N
 LONGITUDE: 107.34994° W
 DATUM: WGS84



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-5 234A

Lease:	AFE #: WAN.CBM.4191			AFE \$:
Field Name: hPHILLIPS 30-5	Rig: 486-0597	State: NM	County: RIO ARRIBA	API #:
Geoscientist: Murphy, Jim O.	Phone: 832-486-2361	Prod. Engineer:	Phone:	
Res. Engineer: Kolesar, James E.	Phone: (832) 486 - 2336	Proj. Field Lead:	Phone:	

Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location **Straight Hole**

Latitude: 36.80	Longitude: -107.35	X:	Y:	Section: 22	Range: 5W
Footage X: 1104 FWL	Footage Y: 753 FNL	Elevation: 6500	(FT)	Township: 30N	
Tolerance:					

Location Type:	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6513 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	13	6500	<input type="checkbox"/>			
Surface Casing	213	6300	<input type="checkbox"/>			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.
NCMT	1428	5085	<input type="checkbox"/>			
OJAM	2528	3985	<input type="checkbox"/>			Possible water flows.
KRLD	2728	3785	<input type="checkbox"/>			
FRLD	3023	3490	<input type="checkbox"/>			Possible gas.
Intermediate Casing	3093	3420	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
BASE MAIN COAL	3223	3290	<input type="checkbox"/>	170		
PC TONGUE	3263	3250	<input type="checkbox"/>			
Total Depth	3313	3200	<input type="checkbox"/>			6-1/4" hole possibly underreamed to 9.5". Optional Liner: 5.5", 15.5#, J-55 LTC - left uncemented.
PCCF	3413	3100	<input type="checkbox"/>			

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

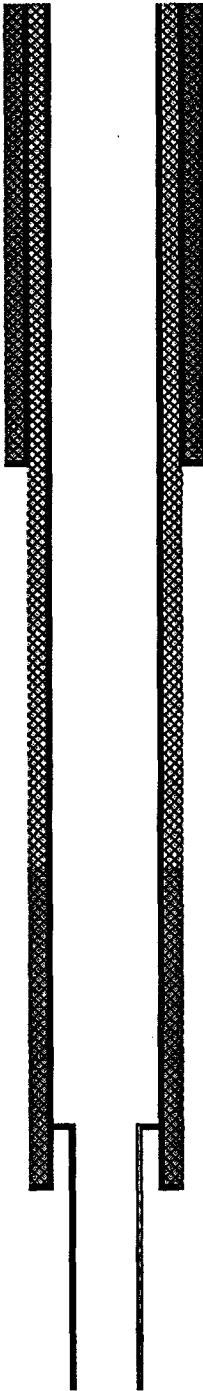
Additional Information:

Comments: General/Work Description - Fruitland Coal 160-acre infill well.

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
 Below Intermediate: air/mist drilling media with foamer, polymer, & corrosion inhibitor as needed

San Juan 30-5 # 234A



SURFACE CASING :

Drill Bit Diameter	12.25"	
Casing Outside Diameter	9.625"	9.001
Casing Weight	32.3	ppf
Casing Grade	H-40	
Shoe Depth	230'	40'
Cement Yield	121	cuft/sk
Excess Cement	125	%
Casing Capacity	0.0787	bbl/ft 0.4419 cuft/ft
Hole / Casing Annulus Capacity	0.0558	bbl/ft 0.3132 cuft/ft

Cement Required 148.6 sx

SHOE 230', 9.625", 32.3 ppf, H-40

INTERMEDIATE CASING :

Drill Bit Diameter	8.75"	
Casing Outside Diameter	7.0"	6.456
Casing Weight	20	ppf
Casing Grade	J-55	
Shoe Depth	3093'	
Lead Cement Yield	2.9	cuft/sk
Lead Cement Excess	160	%
Tail Cement Length	3.15'	42'
Tail Cement Yield	1.33	cuft/sk
Tail Cement Excess	160	%
Casing Capacity	0.0405	bbl/ft 0.2273 cuft/ft
Casing / Casing Annulus Capacity	0.0311	bbl/ft 0.1746 cuft/ft
Hole / Casing Annulus Capacity	0.0268	bbl/ft 0.1503 cuft/ft

Lead Cement Required 356.0 sx
Tail Cement Required 99.7 sx

LINER TOP 3073'

SHOE 3093', 7", 20 ppf, J-55

LINER BOTTOM 3313' (Uncemented)

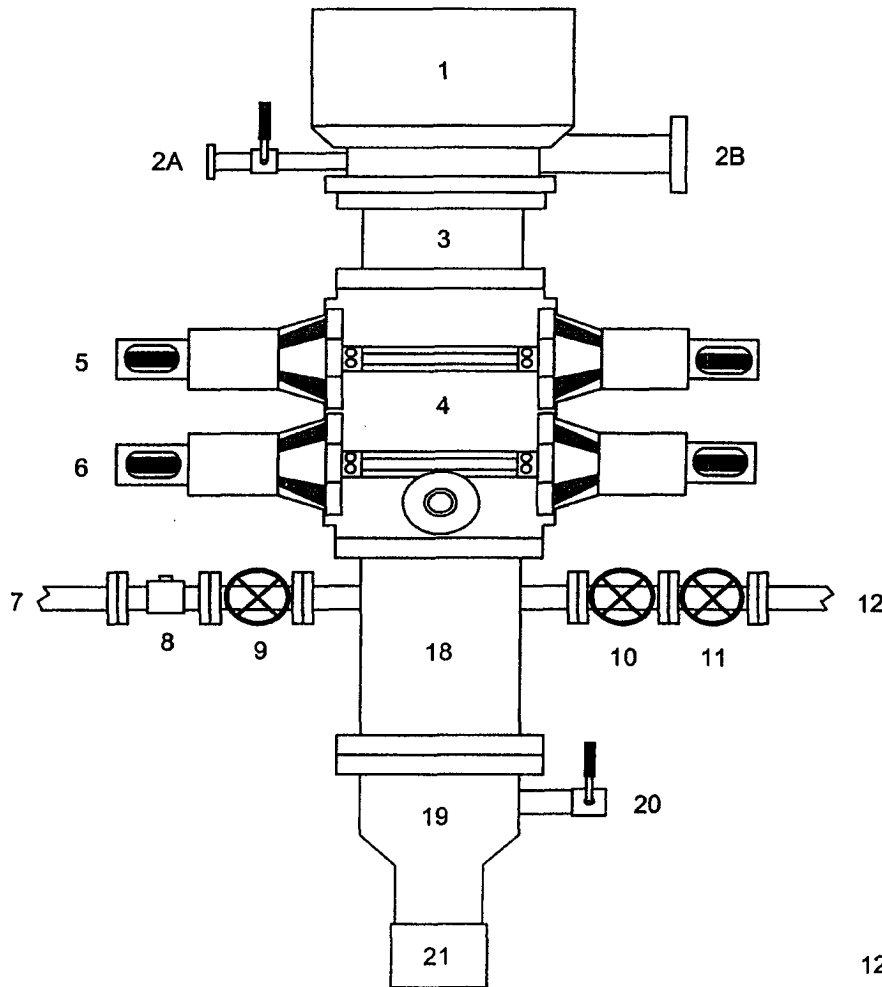
San Juan 30-5 # 234A		
9-5/8" Surface Casing		
Cement Slurry	Class G	
	+ 3% Calcium Chloride	
	+ 0.25 lb/sx D029 Cellophane Flakes	
Cement Volume	149	sx
Cement Yield	1.21	cuft/sx
Cement Volume	179.75	cuft
Cement Density	15.6	ppg
Water Required	5.29	gal/sx

San Juan 30-5 # 234A

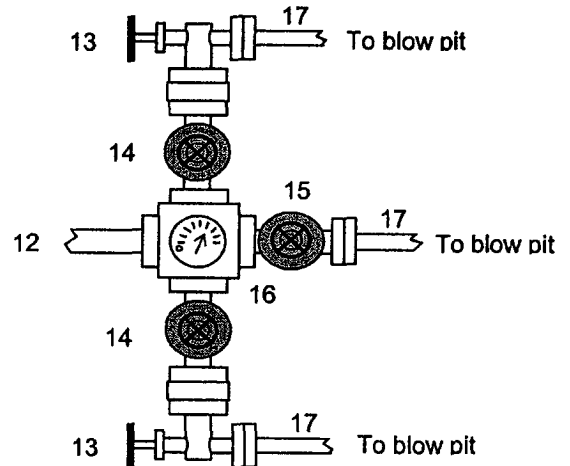
7" Intermediate Casing		
Lead Slurry		
Cement Slurry	Class G	
	+ 3% Econolite	
	+ 10 lb/sx Gilsonite	
	+ 0.5% Flocele	
Cement Volume	356	sx
Cement Yield	2.91	cuft/sx
Cement Volume	1035.99	cuft
Cement Density	11.4	ppg
Water Required	16.88	gal/sx

7" Intermediate Casing		
Tail Slurry		
Cement Slurry	40% POZ / 60% Class G cement	
	+ 2% Bentonite	
	+ 2% Calcium Chloride	
	+ 5 lb/sx Gilsonite	
	+ 0.25 lb/sx Flocele	
Cement Volume	100	sx
Cement Yield	1.33	cuft/sx
Cement Volume	132.67	cuft
Cement Density	13.5	ppg
Water Required	5.36	gal/sx

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

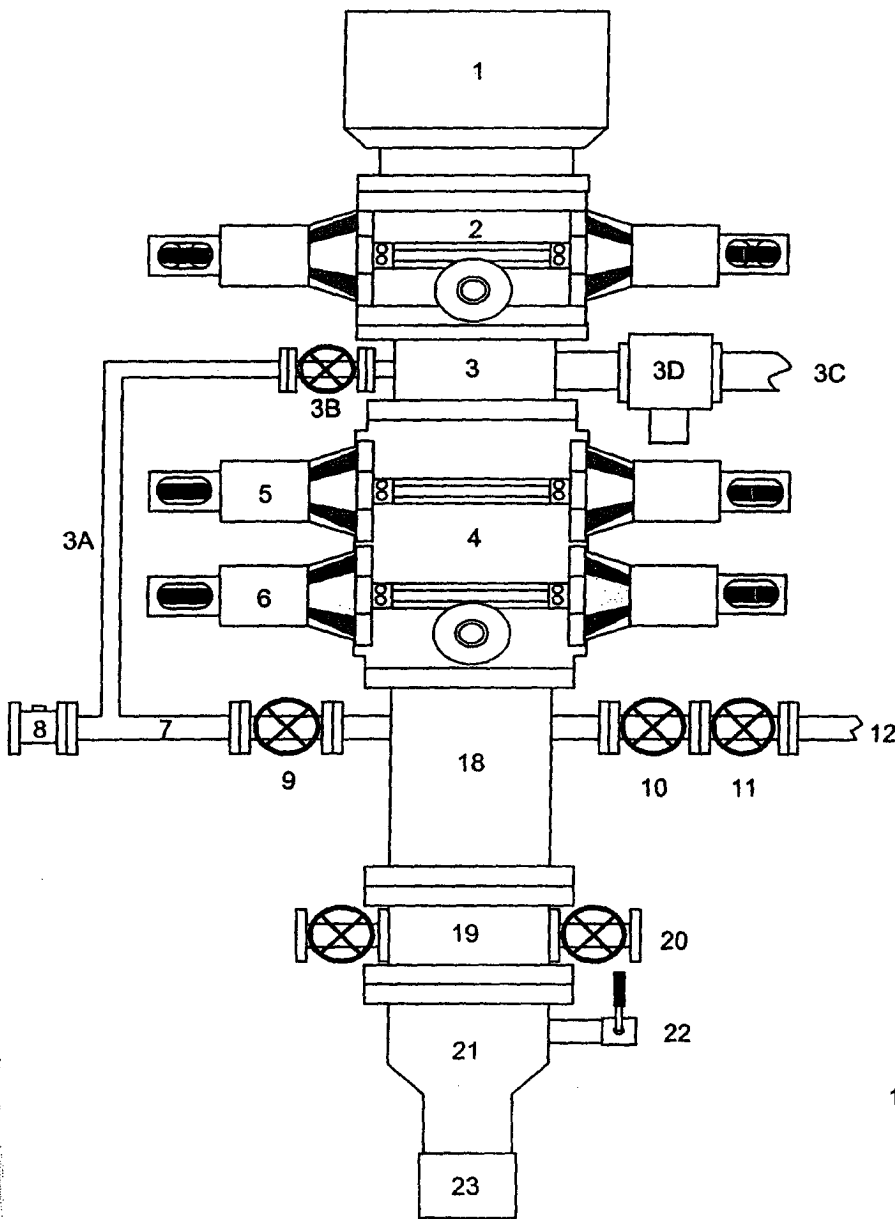


A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe rams and choke manifold will be tested to 200 psi to 300 psi (low pressure test) for 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.

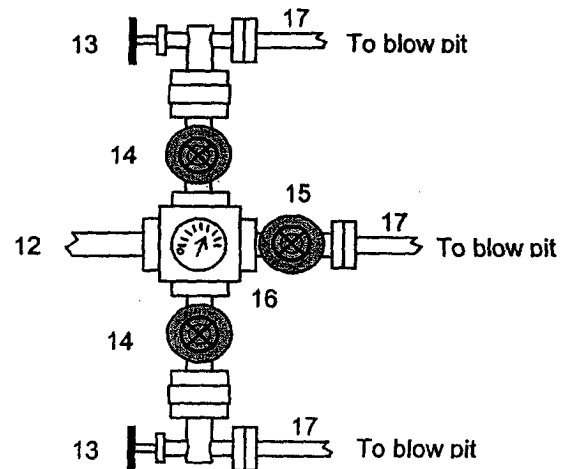
In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

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

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM For Cavitation Program



1. Rotating Head
2. Single Ram BOP (7-1/16", 3M)
3. Mud Cross
- 3A. Equalizing Line (2")
- 3B. Wing Valve (2-1/16", 3M)
- 3C. Blooie Line (2 ea, 5" OD)
- 3D. HCR Valve (1 ea per line, 4-1/16")
4. Double Ram BOP (7-1/16", 3M)
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. Vent Line (2")
18. Spacer Spool
19. Tubing Head
20. Tubing Head Valves (2- 9/16")
21. Casing Head "A" Section
22. Casing Head "A" Section 2" Valve
23. 9-5/8" Casing Collar



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 valve (HCR valve).