

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD DEC 12 '06
OIL CONS. DIV.

DIST. 8

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2006 NOV 15 PM 4 50
RECEIVED
OTO FARMINGTON NM

1a. Type of Work DRILL	5. Lease Number Jicarilla Contract #100 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator ConocoPhillips	7. Unit Agreement Name	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Jicarilla D 9. Well Number #22	
4. Location of Well Unit M (SWSW), 1215' FSL & 1060' FWL, Latitude 36° 26.3470'N Longitude 107° 10.3872'W	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) M Sec. 32, T26N, R03W, NMPM API # 30-039-3015	
14. Distance in Miles from Nearest Town	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1060'		
16. Acres in Lease	17. Acres Assigned to Well 320.0 Ac W/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease		
19. Proposed Depth 6428'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR. Etc.) 7332' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Patsy Clugst</i> Sr. Regulatory Analyst	Date <i>11/14/06</i>	

PERMIT NO.

APPROVAL DATE

APPROVED BY *D. Montez*

TITLE *AFM*

DATE *12/8/06*

Archaeological Report & Environmental Assessment submitted separately.

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

NMOCD

g 12/12/06

District I
PO Box 1990, 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

RECEIVED

ROVD DEC 12 '06

070 FARMINGTON, NM

OIL CONS. DIV.

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-30115		*Pool Code 72319	*Pool Name BLANCO MESAVERDE
*Property Code 31763	*Property Name JICARILLA D		*Well Number 22
*OGRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 7332'

10 Surface Location

UL or lot no. M	Section 32	Township 26N	Range 3W	Lot Idn	Feet from the 1215	North/South line SOUTH	Feet from the 1060	East/West line WEST	County RIO ARriba
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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.		

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		5280.00'		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 <i>February 3, 2006</i> Date	
JICARILLA CONTRACT #100		32		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: MAY 13, 2005 Signature and Seal of Professional Surveyor  JASON C. EDWARDS Certificate Number 15269	
5280.00'		5280.00'			
1060'		1215'			
LAT: 36°26.3470' N LONG: 107°10.3872' W DATUM: NAD27		5280.00'			

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
May 27, 2004

OIL CONSERVATION DIVISION

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

WELL API NO.	30-039- 30115
5. Indicate Type of Lease	STATE ☐ FEE ☐
6. State Oil & Gas Lease No.	Jicarilla Contract #100
7. Lease Name or Unit Agreement Name	Jicarilla D
8. Well Number	#22
9. OGRID Number	217817
10. Pool name or Wildcat	Blanco Mesaverde

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type new drill Depth to Groundwater >100' Distance from nearest fresh water well >1000' Distance from nearest surface water <1000'
Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 440 bbls; Construction Material Synthetic

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
3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location
Unit Letter M : 1215 feet from the South line and 1060 feet from the West line
Section 32 Township 26N Rng 3W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
7332' GL

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK	☐	REMEDIAL WORK	☐
TEMPORARILY ABANDON	☐	COMMENCE DRILLING OPNS.	☐
PULL OR ALTER CASING	☐	CASING/CEMENT JOB	☐
OTHER:	☒	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.

New Drill, Lined:

ConocoPhillips proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on ConocoPhillips' interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in ConocoPhillips' General Plan dated June 2005 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids and that portion will be lined as per the risk ranking criteria. ConocoPhillips anticipates closing these pits according to the November 1, 2004 Guidelines.

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 Specialist DATE 10/9/2006

Type or print name Patsy Clugston E-mail address: L.Clugston@conocophillip Telephone No. 505-326-9518
For State Use Only

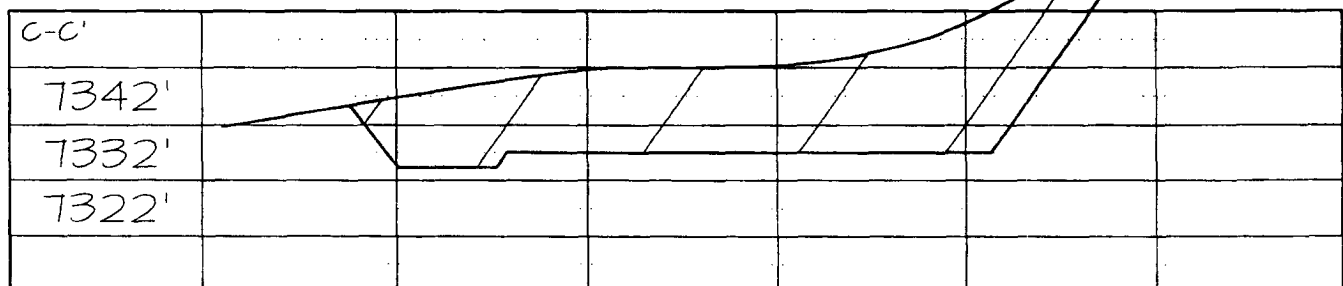
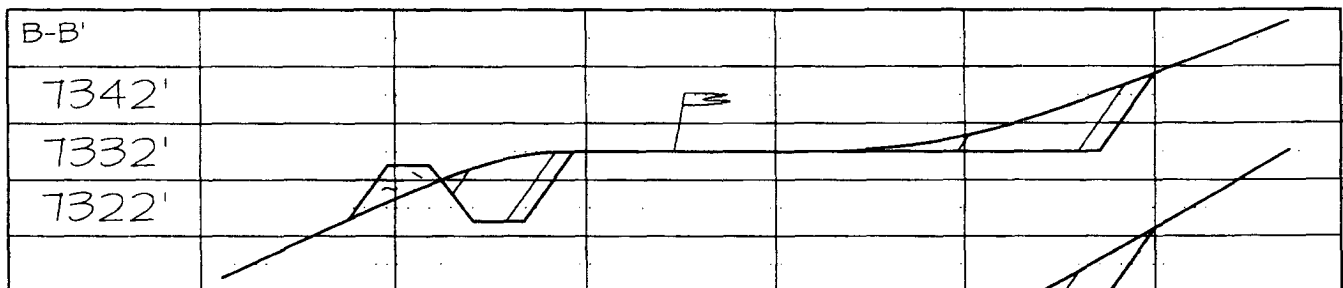
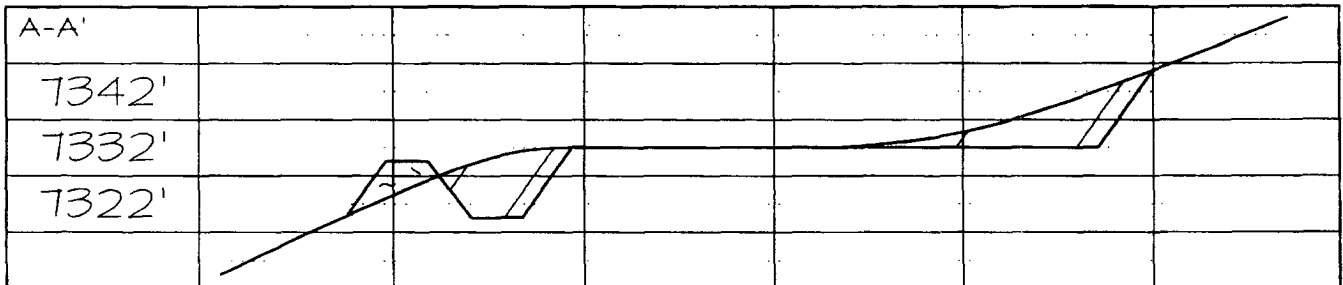
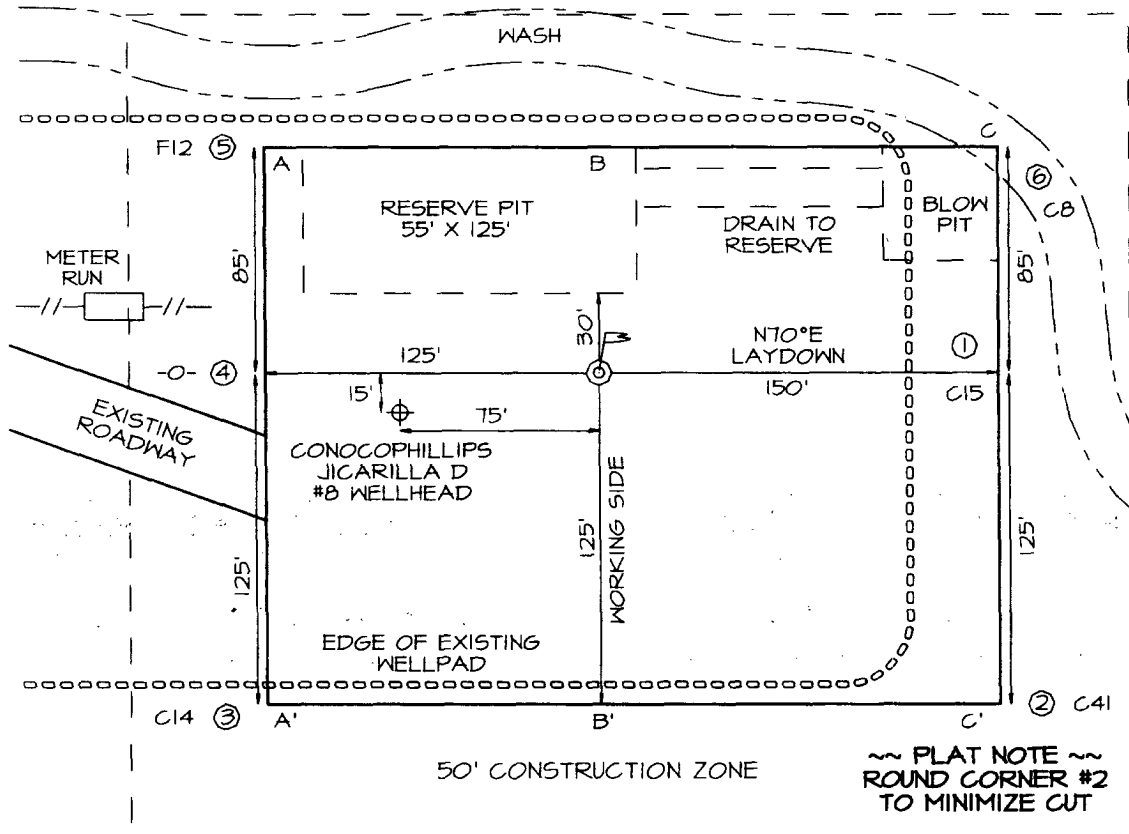
APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 42 DATE DEC 12 2006
Conditions of Approval (if any):

LATITUDE: 36.43912° N
LONGITUDE: 107.17312° W
DATUM: NAD1927

DATUM: NAD1927

PLAT NOTE:

SURFACE OWNER
Jicarilla Apache Tribe



PROJECT PROPOSAL - New Drill / Sidetrack

JICARILLA D 22

Lease:		AFE #: WAN.CNV.5143		AFE \$:	
Field Name: JICARILLA		Rig:	State: NM	County: RIO ARRIBA	API #:
Geoscientist: Brain, Ted H.		Phone: 832-486-2592	Prod. Engineer: Fontenot, Jessie C		Phone: +1 832-486-3483
Res. Engineer: Harrington, Tim R.		Phone: 832-486-2207	Proj. Field Lead: Fransen, Eric E.		Phone:
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.439120	Longitude: -107.173120		X:	Y:	Section: 32
Footage X: 1060 FWL		Footage Y: 1215 FSL		Elevation: 7332 (FT)	Township: 26N
Tolerance:					
Location Type: Year Round		Start Date (Est.):		Completion Date:	
Formation Data: Assume KB = 7348		Units = FT			
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
SURFACE CSG	320' 500'	6848	☐		
NCMT	2310	5038	☐		
KRLD/FRLD	3659	3689	☐		
PCCF	3920	3428	☐		
LEWS	4120	3228	☐		
CHRA	4698	2650	☐		
CLFH	5573	1775	☐	575	Gas; possibly wet
MENF	5673	1675	☐		Gas.
PTLK	6078	1270	☐		Gas.
MNCS	6328	1020	☐		
Total Depth	6428	920	☐		7-7/8" hole; 4 1/2", 10.50 ppf, J-55, STC - Circulate cement to surface.

Reference Wells:		
Reference Type	Well Name	Comments

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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Comments: Location/Tips/Logging - BLM Demand well - Location near the Jicarilla D 8 PC well.

Zones - / Single Only. This is a BLM non-discretionary well. Will join the existing Jicarilla D 8 PCCF location.

General Work Description - Drill and complete the Jicarilla D 22 Mesaverde development well in Rio Arriba County, New Mexico to an estimated total depth of 6,353'. ConocoPhillips is the operator (LC#: 706572).

Printed on: 10/9/2006 10:53:50 AM

HOLE: 12.25"
 CSG OD: 9.625"
 CSG ID: 9.001"
 WGT: 32.3 ppf
 GRADE: H-40
 EXCESS: 125 %
 DEPTH: 320'

SURFACE:
 Option 1
118 sx
 24.6 bbls
 138.0 cuft
 1.17 ft³/sx
 15.8 ppg
 4.973 gal/sx
 Class G Cement
 + 3% S001 Calcium Chloride
 + 0.25 lb/sx D029 Cellophane Flakes

Option 2
114 sx
 24.6 bbls
 138.0 cuft
 1.21 ft³/sx
 15.6 ppg
 5.29 gal/sx
 Standard Cement
 + 3% Calcium Chloride
 + 0.25 lb/sx Flocele

Option 3
65 sx
 18.6 bbls
 104.3 cuft
 1.61 ft³/sx
 14.5 ppg
 7.41 gal/sx
 Type I-II Ready Mix
 + 20% Fly Ash
 Comp. Strength
 8 hrs 475 psi
 24 hrs 1375 psi

PRODUCTION LEAD:
 Option 1
645 sx
 312.4 bbls
 1753.8 cuft
 2.72 ft³/sx
 11.7 ppg
 15.74 gal/sx
 Class G Cement
 + 3% D079 Extender
 + 0.20% D046 Antifoam
 + 10 lb/sx Phenoseal

Option 2
675 sx
 312.4 bbls
 1753.8 cuft
 2.60 ft³/sx
 11.5 ppg
 14.62 gal/sx
 Type III Ashgrove Cement
 + 30 lb/sx San Juan Poz
 + 3% Bentonite
 + 5.0 lb/sx Phenoseal

Option 3
667 sx
 312.4 bbls
 1753.8 cuft
 2.63 ft³/sx
 11.7 ppg
 15.92 gal/sx
 Class G Cement
 + 3% D079 Extender
 + 0.20% D046 Antifoam
 + 1.0 lb/bbl CemNet
 Comp. Strength
 3 hrs 100 psi
 24 hrs 443 psi

HOLE: 7.875"
 CSG OD: 4.5"
 CSG ID: 4.052"
 WGT: 10.5 ppf
 GRADE: J-55
 EXCESS: 50 %
 TAIL: 1286'

PRODUCTION TAIL:
 Option 1
338 sx
 78.9 bbls
 443.0 cuft
 1.31 ft³/sx
 13.5 ppg
 5.317 gal/sx
 50/50 Poz: Class G Cement
 + 0.25 lb/sx D029 Cellophane Flakes
 + 3% S001 Calcium Chloride
 + 2% D020 Bentonite
 + 1.5 lb/sx D024 Gilsomite Extender
 + 0.1% D046 Antifoam
 + 6 lb/sx Phenoseal

Option 2
333 sx
 78.9 bbls
 443.0 cuft
 1.33 ft³/sx
 13.5 ppg
 5.52 gal/sx
 50/50 Poz: Standard Cement
 + 2% Bentonite
 + 6.0 lb/sx Phenoseal

Option 3
346 sx
 78.9 bbls
 443.0 cuft
 1.28 ft³/sx
 13.5 ppg
 5.255 gal/sx
 50/50 Poz: Class G Cement
 + 2% D020 Bentonite
 + 5.0 lb/sx D024 Gilsomite Extender
 + 2% S001 Calcium Chloride
 + 0.1% D046 Antifoam
 + 0.15% D065 Dispersant
 + 1.0 lb/bbl CemNet
 Comp. Strength
 24 hrs 1850 psi
 48 hrs 3411 psi

DEPTH: 6428'

11/14/06

Jicarilla D #22

HOLE: 12.25 *
CSG OD: 9.625 *
CSG ID: 9.001 *
WGT: 32.3 ppf
GRADE: H-40
EXCESS: 125 %

DEPTH: 320

SURFACE:

INTERMEDIATE LEAD:

Option 4

609 sx
312.4 bbls
1753.8 cuft
2.88 ft³/sx
11.5 ppg
16.85 gal/sx
Standard Cement
+ 3% Econolite (Extender)
+ 10 lb/sx Phenoseal

Comp. Strength
1:47 50 psi
12 hrs 350 psi
24 hrs 450 psi

HOLE: 7.875 *
CSG OD: 4.5 *
CSG ID: 4.052 *
WGT: 10.5 ppf
GRADE: J-55
EXCESS: 50 %

TAIL: 1286

DEPTH: 6428

INTERMEDIATE TAIL:

Option 5

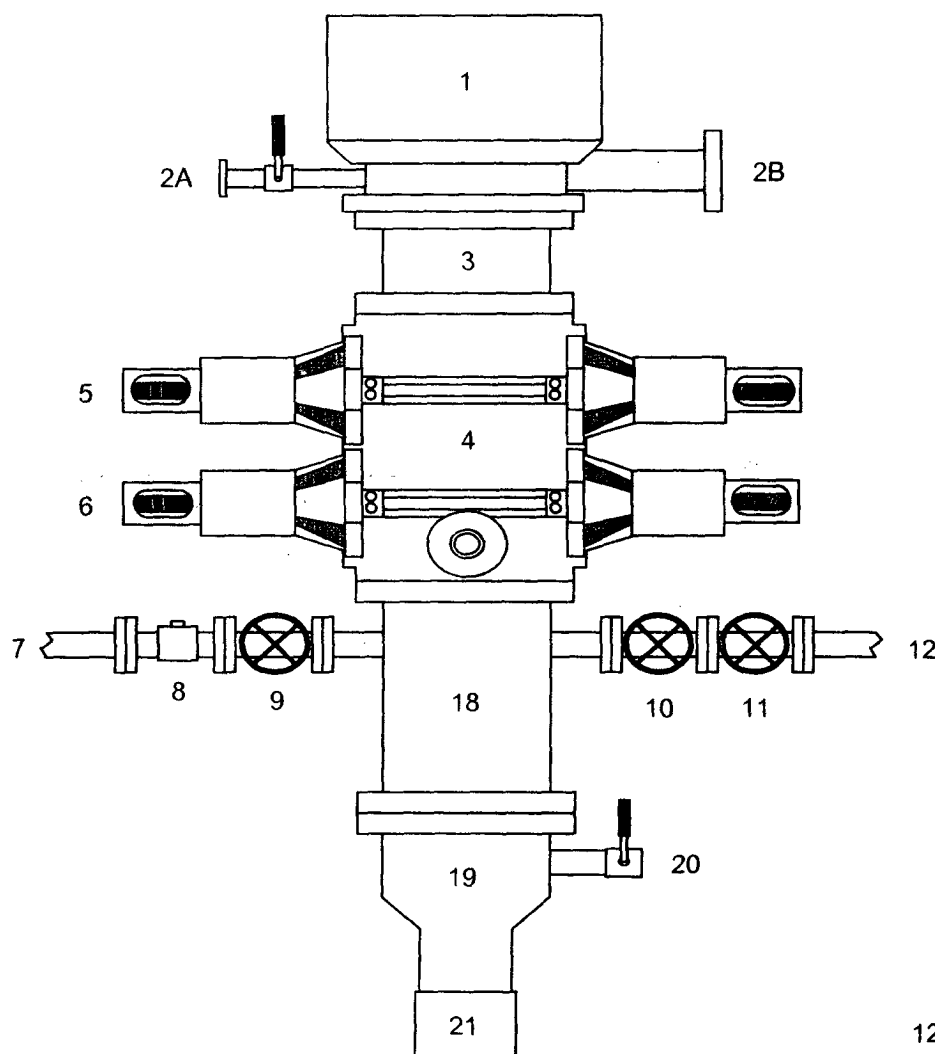
835 sx
312.4 bbls
1753.8 cuft
2.10 ft³/sx
11.7 ppg
11.724 gal/sx
75% Type XI / 25% Class G Cement
+ 0.25 lb/sx D029 Cellophane Flakes
+ 3% D079 Extender
+ 0.20% D046 Antifoam

Comp. Strength
10:56 500 psi
42 hrs 1012 psi

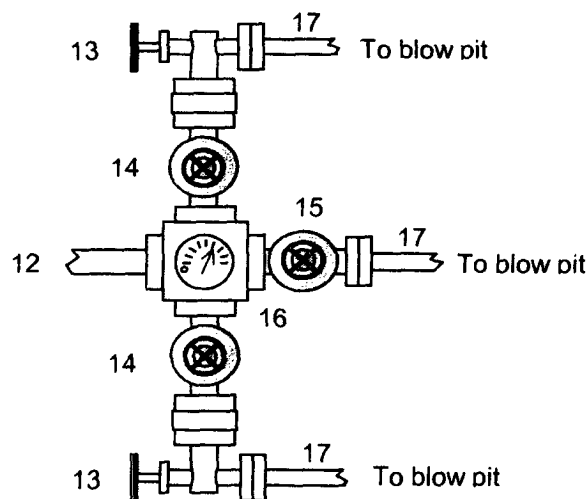
11/14/00

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



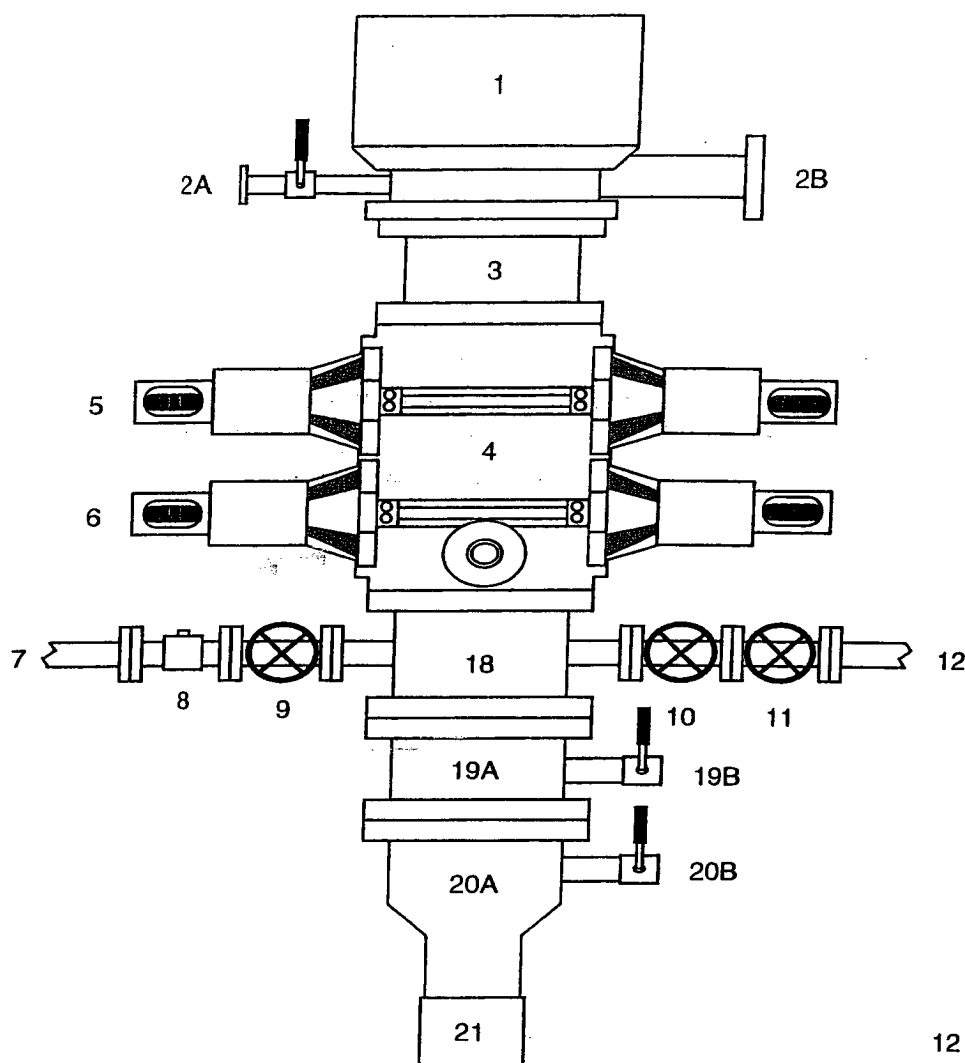
A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe 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:

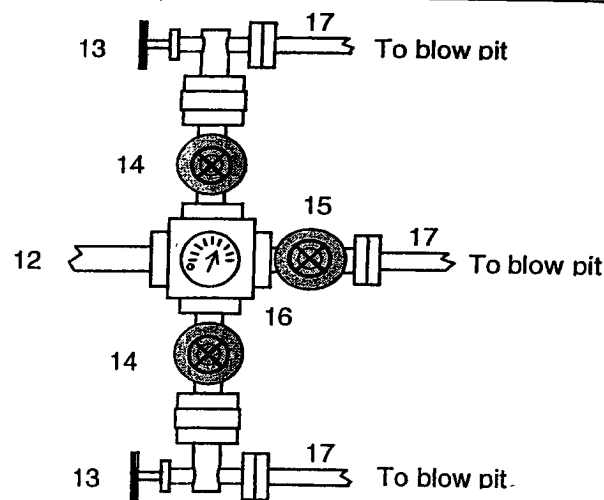
1. Upper Kelly cock Valve with handle
2. Stab-in TIW valve for all drillstrings in use

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to TD and Setting 4.5 inch Casing



1. Rotating Head
- 2A. Fill-up Line & valve
- 2B. Bleeie 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