

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

<p>1a. Type of Work DRILL</p> <p>1b. Type of Well GAS</p> <p>2. Operator ConocoPhillips</p> <p>3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. Location of Well Unit P (SESE), 1100' FSL, 1165' FEL Latitude 36° 47' 48.5' N Longitude 108° 10.2' W</p> <p>14. Distance in Miles from Nearest Town 2 Miles Farmington</p> <p>15. Distance from Proposed Location to Nearest Property or Lease Line 1100'</p> <p>16. Acres in Lease</p> <p>18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease Twinned with Maddox C WN Federal 1E</p> <p>19. Proposed Depth 2043'</p> <p>21. Elevations (DF, FT, GR, Etc.) 5756' GL</p> <p>23. Proposed Casing and Cementing Program See Operations Plan attached</p> <p>24. Authorized by: <u><i>Joanita Fancee</i></u> Regulatory Specialist</p>	<p>5. Lease Number NM 0546 Unit Reporting Number</p> <p>6. If Indian, All. or Tribe</p> <p>7. Unit Agreement Name Maddox C WN Federal</p> <p>8. Farm or Lease Name</p> <p>9. Well Number #13</p> <p>10. Field, Pool, Wildcat Basin Fruitland Coal</p> <p>11. Sec., Twn, Rge, Mer. (NMPM) Sec. 14 T30N, R13W API # 30-045-34104</p> <p>12. County San Juan</p> <p>13. State NM</p> <p>17. Acres Assigned to Well 320.00 acres S/2</p> <p>20. Rotary or Cable Tools Rotary</p> <p>22. Approx. Date Work will Start</p>
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PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY *Thayne Townsend*TITLE *Acting AFM*DATE *12/20/06*

Archaeological Report attached

Threatened and Endangered Species Report attached

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.

provided for review pursuant to 43 CFR 3165.2
and appeal pursuant to 43 CFR 3165.4

NMOCB *8*
12/22/06

ALL ACTIONS AUTHORIZED ARE
IN ACCORDANCE WITH ATTACHED
FEDERAL REQUIREMENTS.

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

District II
PO Drawer 00, Artesia, NM 88211-0719

District III
30 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

2006 DEC 7 PM 3 02

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

RCVD DEC 22 '06

OIL CONS. DIV

DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30- 45- 34104	Pool Code 71629	Pool Name BASIN FRUITLAND COAL
Property Code 31880	Property Name MADDOX C WN FEDERAL	Well Number 13
GRID No. 217817	Operator Name CONOCOPHILLIPS COMPANY	Elevation 5756'

10 Surface Location

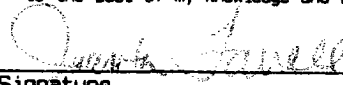

UL or lot no. P	Section 14	Township 30N	Range 13W	Lot Idn	Feet from the 1100	North/South line SOUTH	Feet from the 1165	East/West line EAST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 320.0 Acres - S/2	Joint or Infill	Consolidation Code	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

15	5277.36'		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Juanita Farrell Printed Name Regulatory Specialist Title Date
5216.64'	14	2610.96'	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: JUNE 1, 2006 Signature and Seal of Professional Surveyor  JASON C. EDWARDS Certificate Number 15269
	LEASE USA NM-030555	LEASE USA NM-0546	
	LEASE FEE	LAT: 36.80908°N LONG: 108.16984°W DATUM: NAD83	
	5283.96'	1165'	
		1100'	
		2617.56'	

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.

30-045- **34104**

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil & Gas Lease No.

Federal Lease - NM 0546

7. Lease Name or Unit Agreement Name

Maddox C WN Federal

8. Well Number

#13

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

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter P : 1100' feet from the South line and 1165' feet from the East line
Section 14 Township 30N Rng 13W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
5756' GL

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type New Drill Depth to Groundwater 50-100' Distance from nearest fresh water well

>1000' Distance from nearest surface water

Pit Liner Thickness:

12

mil

Below-Grade Tank:

Volume

4400

bbls;

Construction Material

Synthetic

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.

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

Juanita Farrell

TITLE

Regulatory Specialist

DATE

12/7/2006

Type or print name
For State Use Only

Juanita Farrell

E-mail address:

Telephone No.

505-326-9597

APPROVED BY

[Signature]

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. 2

DATE

DEC 22 2006

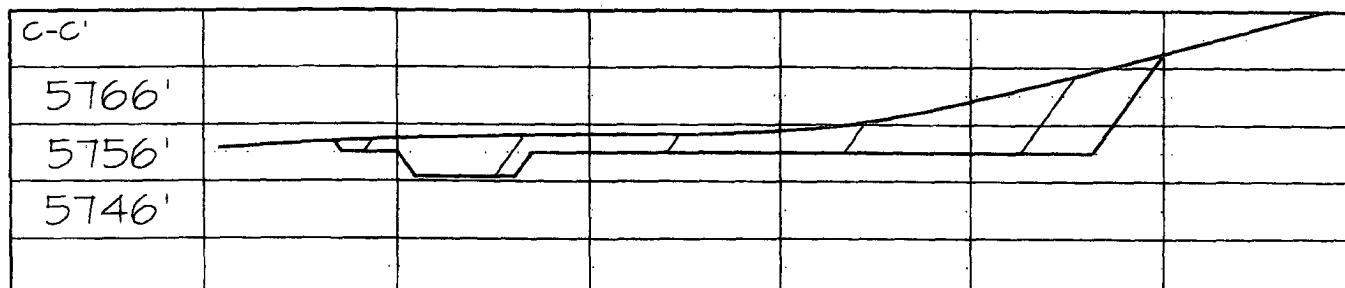
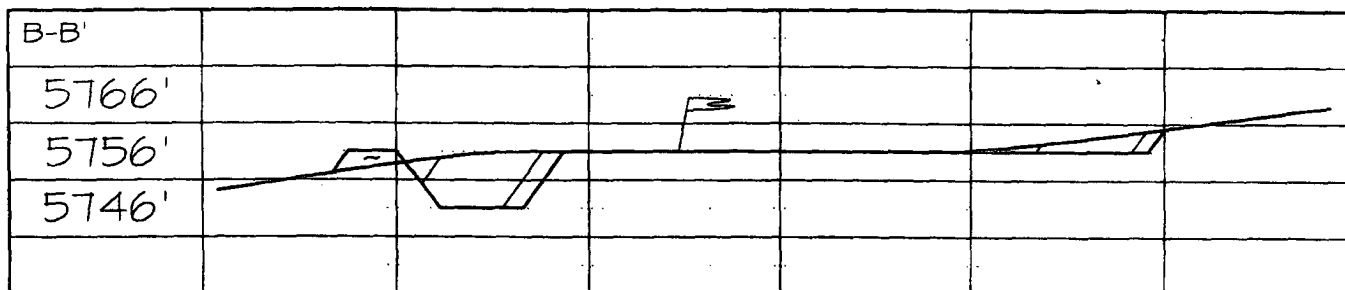
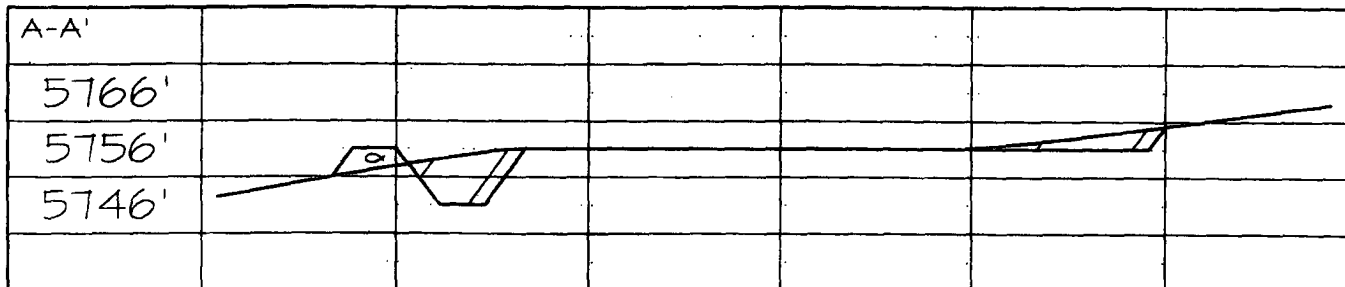
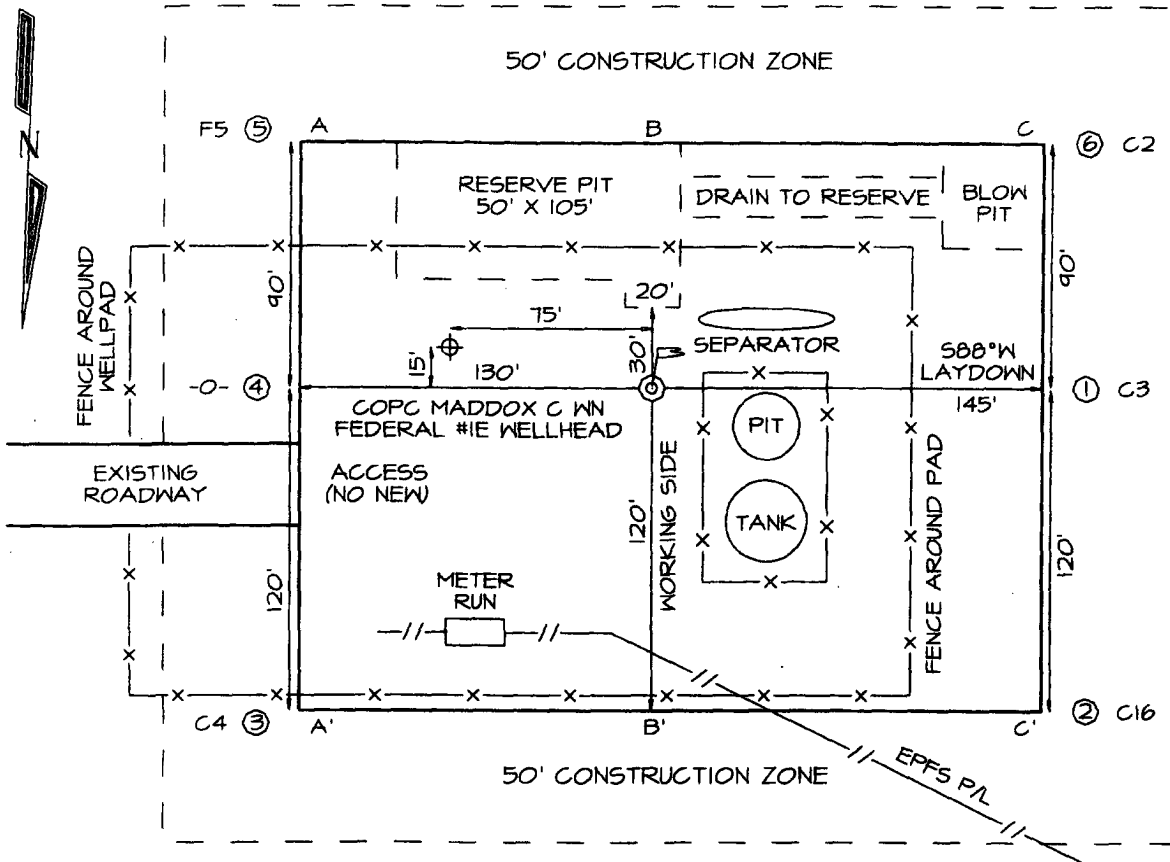
Conditions of Approval (if any):

CONOCOPHILLIPS COMPANY MADDOX C WN FEDERAL #13
1100' FSL & 1165' FEL, SECTION 14, T30N, R13W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 5756'

LATITUDE: 36.80908° N
LONGITUDE: 108.16984° W
 DATUM: NAD1983

PLAT NOTE:

SURFACE OWNER
 Bureau of Land
 Management



PROJECT PROPOSAL - New Drill / Sidetrack

MADDOX C WN FEDERAL 13

Lease:		AFE #: WAN.CNV.6249		AFE \$:	
Field Name: NEW MEXICO-WEST		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geoscientist: Brain, Ted H.		Phone: 832-486-2592		Prod. Engineer: Phone: 486-2334	
Res. Engineer: Harrington, Tim R.		Phone: 832-486-2207		Proj. Field Lead: Fransen, Eric E. Phone:	

Primary Objective (Zones):

Zone	Zone Name
R20001	FRUITLAND COAL(R20001)

Location: Surface		Datum Code: NAD 27			Straight Hole	
Latitude: 36.809078	Longitude: -108.169211	X:	Y:	Section: 14	Range: 13W	
Footage X: 1165 FEL	Footage Y: 1100 FSL	Elevation: 5756	(FT)	Township: 30N		
Tolerance:						

Location Type: Year Round	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 5768 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	120	5648	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55, STC casing. Circulate cement to surface.
OJO ALAMO	305	5463	<input type="checkbox"/>			
KRLD	373	5395	<input type="checkbox"/>			
FRLD	1620	4148	<input type="checkbox"/>			
PCCF	1843	3925	<input type="checkbox"/>			
Total Depth	2043	3725	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Circulate cement to surface.

Reference Wells:

Reference Type	Well Name	Comments
Production	Maddox Federal C Com 1E SE14-30N-13W	Twin well

Logging Program:

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

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
GR/CBL

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments:

HOLE: 8.75 "

CSG OD: 7 "

CSG ID: 6.456 "

WGT: 20 ppf

GRADE: J-55

EXCESS: 125 %

DEPTH: 120'

SURFACE:

Option 1

39 sx

8.1 bbls

45.8 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

38 sx

8.1 bbls

45.8 cuft

1.21 ft³/sx

15.6 ppg

5.29 gal/sx

Standard Cement

+ 3% Calcium Chloride

+ 0.25 lb/sx Floccle

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

148 sx

71.7 bbls

402.6 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

Comp. Strength

9 hrs 300 psi

48 hrs 525 psi

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

HOLE: 6.25 "

CSG OD: 4.5 "

CSG ID: 4.052 "

WGT: 10.5 ppf

GRADE: J-55

EXCESS: 150 %

TAIL: 409'

DEPTH: 2043'

Option 3

153 sx

71.7 bbls

402.6 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

PRODUCTION TAIL:

Option 1

83 sx

19.3 bbls

108.6 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 Gilsonite Extender

+ 0.1% D046 Antifoam

+ 6 lb/sx Phenoseal

Comp. Strength

3:53 500 psi

8:22 1000 psi

24 hrs 3170 psi

48 hrs 5399 psi

Option 2

82 sx

19.3 bbls

108.6 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

85 sx

19.3 bbls

108.6 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 Gilsonite 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

82 DVL 12/6/06

SURFACE:

HOLE: 8.75 "
CSG OD: 7 "
CSG ID: 6.456 "
WGT: 20 ppf
GRADE: J-55
EXCESS: 125 %
DEPTH: 120 "

INTERMEDIATE LEAD:

Option 4

140 sx
71.7 bbls
402.6 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: 6.25 "
CSG OD: 4.5 "
CSG ID: 4.052 "
WGT: 10.5 ppf
GRADE: J-55
EXCESS: 150 %

TAIL: 403 "

DEPTH: 2043 "

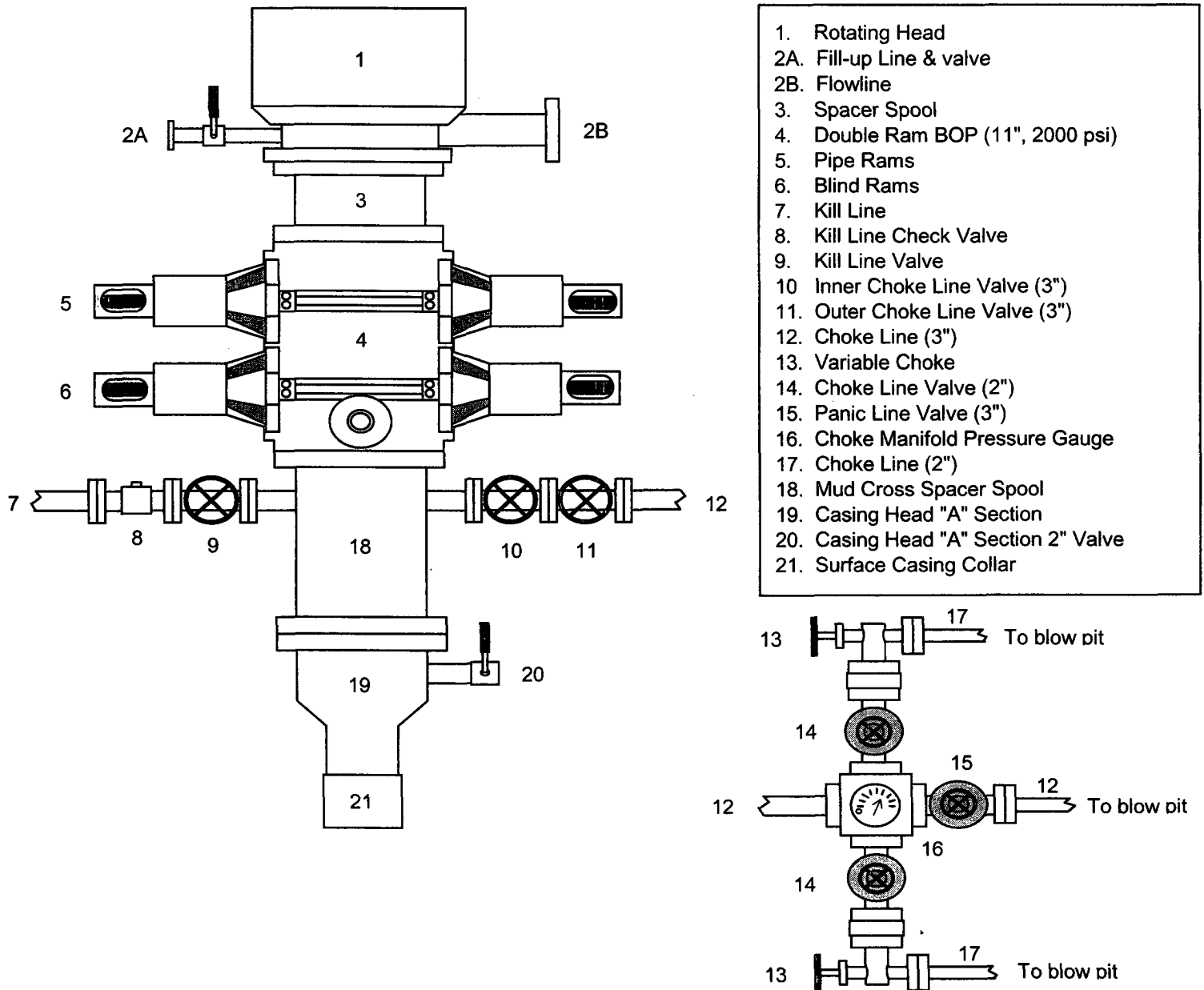
Option 5

192 sx
71.7 bbls
402.6 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

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

Figure 2 For Drilling to Production Casing Point & Setting Production Casing



Surface hole will be drilled to approximately 120' and the surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 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 2000 psi (high pressure test) for 10 minutes. Then the test plug will be removed, and the **surface casing will be pressure tested** against closed blind rams to 200 psi to 300 psi for 10 minutes and **to 600 psi for 30 minutes** (Note: per regulatory requirements we will wait on cement at least 8 hrs after placement before testing the 9-5/8" surface casing). Then production hole will be drilled to production casing point and either 4 1/2" or 5 1/2" production 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