

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD DEC 28 '06

OIL CONS. DIV.

DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2006 NOV 29 PM 4:33
RECEIVED
OTO FARMINGTON NM

1a. Type of Work DRILL	5. Lease Number NM-0546 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 Maddox WN Federal 9. Well Number #14
4. Location of Well Unit P (SESE), 1017' FSL & 725' FEL, Latitude 36°49'22.78000" N Longitude 108°09'0.11000"W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) p Sec. 12 T30N, R13W, NMPM API # 30-045-34086
14. Distance in Miles from Nearest Town 4.6 miles to Farmington	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 725'	
16. Acres in Lease	17. Acres Assigned to Well FC - 320 acres 8/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease	
19. Proposed Depth 2184'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 5852' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Nancy N. Mammox</u> Regulatory Assistant	<u>11/29/06</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report submitted seperately
Environmental Assessment is 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.

This is not an HPA well

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL RULES OF PRACTICE"

NMOCD B 12/28/06

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4

District I
1525 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Fee Lease - 3 Copies
State Lease - 7 Copies
Submit to Appropriate District Office
Revised June 10, 2003
Form C-102

2006 NOV 29 PM 4 33

☐ AMENDED REPORT

RECEIVED
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 34080	² Pool Code 71629	³ Pool Name FRUITLAND COAL
⁴ Property Code 31687	⁵ Property Name MADDOX WN FEDERAL	
⁷ OGRID No. 217817	⁸ Operator Name CONOCOPHILLIPS COMPANY	
		⁶ Well Number #14
		⁹ Elevation 5,852.1'

10 SURFACE LOCATION

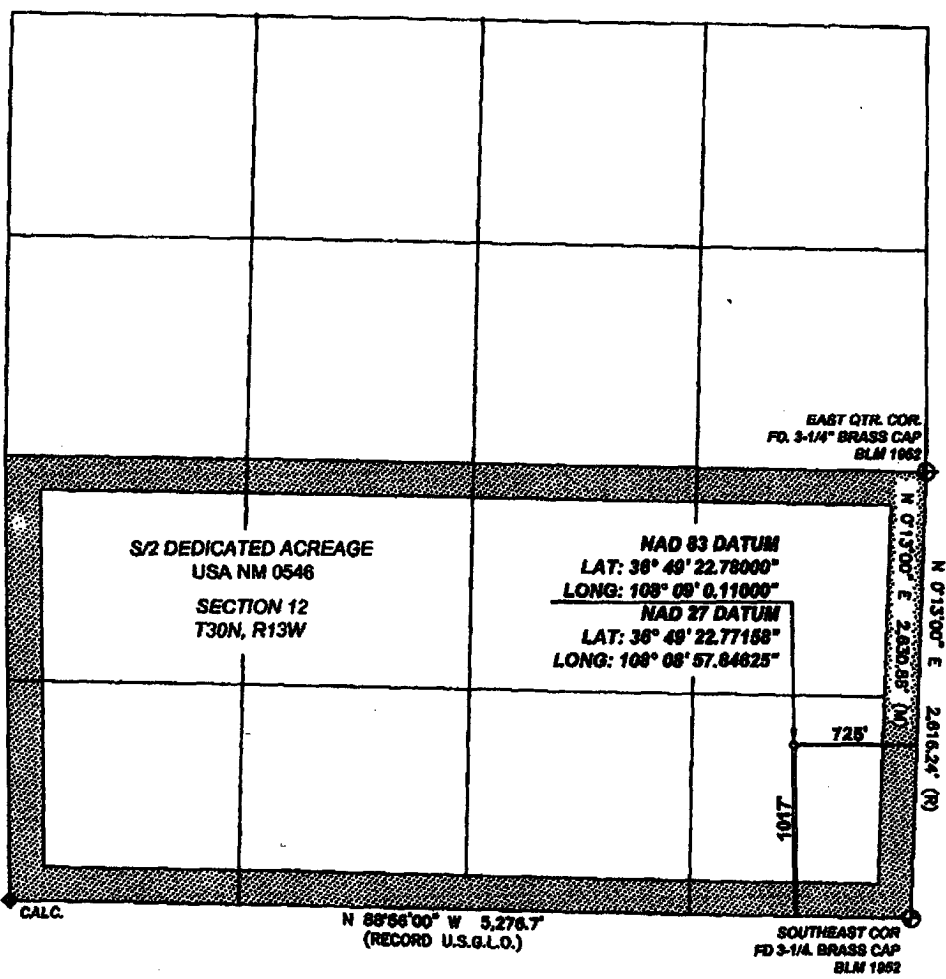
UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
P	12	30-N	13-W		1017	SOUTH	725	EAST	SAN JUAN

11 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	County

¹² Dedicated Acres 320	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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Patsy Clugston
 Printed Name: Patsy Clugston
 Title and E-mail Address: Sr. Regulatory Specialist
 Date: 7/5/06

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: 6/14/06
 Signature and Seal of Professional Surveyor: [Signature]

HEINRICH P. BROADHURST, JR.
 REGISTERED PROFESSIONAL SURVEYOR
 Certificate Number: NM 11393

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-045- 3408 6

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

NM-0546

7. Lease Name or Unit Agreement Name

Maddox WN Federal

8. Well Number

14

9. OGRID Number

217817

10. Pool name or Wildcat

Fruitland Coal

SUNDY 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

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter P : 1017 feet from the South line and 725 feet from the East line
 Section 12 Township 30N Range 13W NMPM County San Juan

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

5821' GL

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:

n/a

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

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

NOTICE OF INTENTION TO:

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

OTHER:

New Drill Pit ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING/CEMENT JOB ☐ALTERING CASING ☐P AND A ☐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 NMOCDD 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 NMOCDD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

TITLE

Regulatory Technician

DATE

11/29/2006

Type or print name

Tracey N. Monroe

E-mail address:

Tracey.N.Monroe@conocophillips.com

Telephone No.

505-326-9752

For State Use Only

APPROVED BY

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. 4

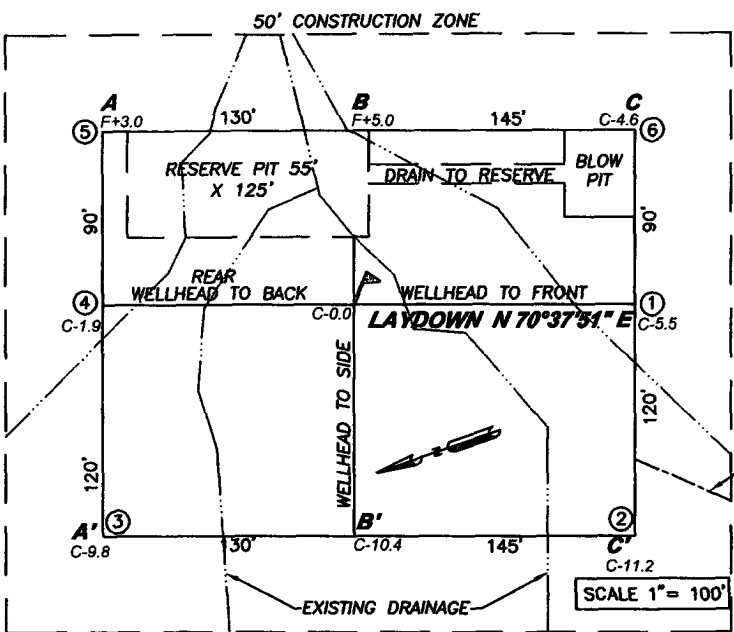
DATE

DEC 28 2006

Conditions of Approval (if any):

NAD 27 DATUM
LAT: 36° 49' 22.77159"
LONG: 108° 08' 57.84625"

NAD 83 DATUM
LAT: 36° 49' 22.78000"
LONG: 108° 08' 0.11000"

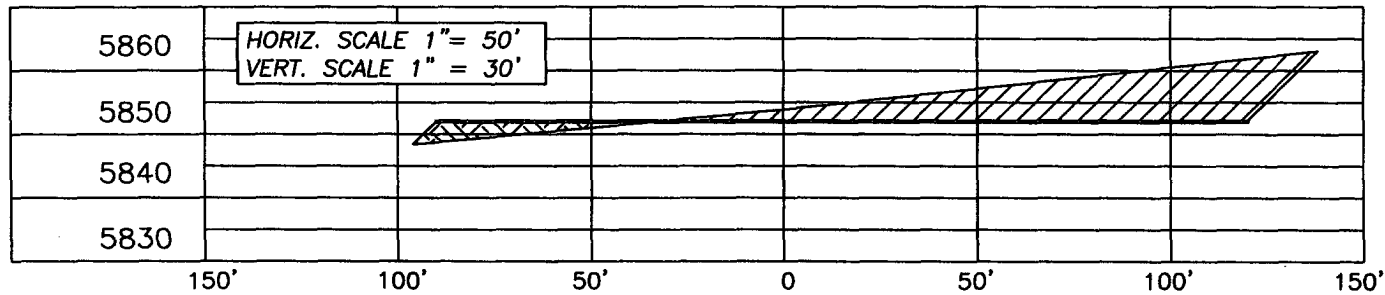


CONOCOPHILLIPS COMPANY

MADDOX WN FEDERAL #14
1,017' FSL, 725' FEL
SECTION 12, T30N, R13W, N.M.P.M.,
RIO ARRIBA, NEW MEXICO
ELEV.: 5,852.1' NADV88

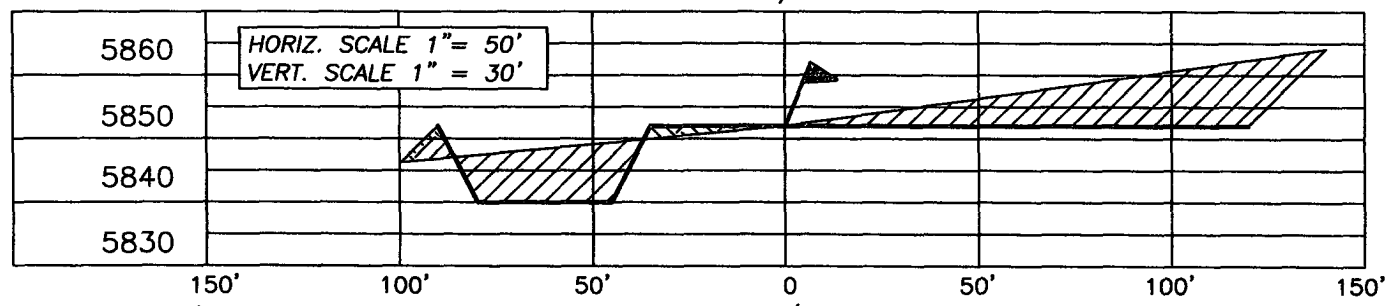
A - A'

C/L



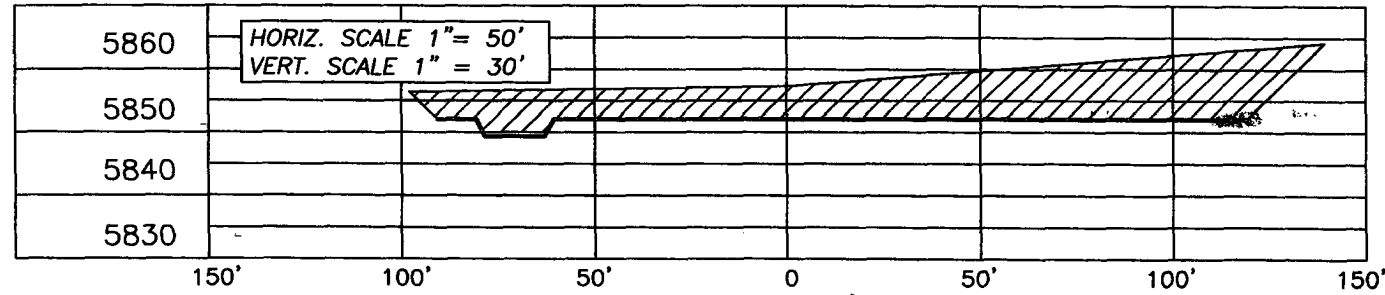
B - B'

C/L



C - C'

C/L



NOTE: CCI IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD PRIOR TO CONSTRUCTION.

REVISIONS			
NO.	DESCRIPTION	REVISED BY	DATE

CCI
CHENAULT CONSULTING INC.

1300 W. BROADWAY
BLOOMFIELD, NM, 87413
PHONE: (505) 632-7777

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

MADDOX WN FEDERAL 14

Lease:		AFE #: WAN.CNV.7188		AFE \$:	
Field Name: NEW MEXICO-WEST		Rig:	State: NM	County: SAN JUAN	API #:
Geoscientist:		Phone:	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:

Primary Objective (Zones):

Zone	Zone Name
R20001	FRUITLAND COAL(R20001)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.823000	Longitude: -108.149400	X:	Y:	Section: 12	Range: 13W
Footage X: 725 FEL	Footage Y: 1017 FSL	Elevation: 5913 (FT)	Township: 30N		

Tolerance:

Location Type:	Start Date (Est.):	Completion Date:	Date In Operation:
Formation Data: Assume KB = 5929 Units = FT			

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	641	5713	<input type="checkbox"/>			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.
OJAM	469	5460	<input type="checkbox"/>			Possible water flows.
KRLD	569	5360	<input type="checkbox"/>			
FRLD	1729	4200	<input type="checkbox"/>			Possible gas.
PCCF	2034	3895	<input type="checkbox"/>			
Total Depth	2184	3745	<input type="checkbox"/>			7-7/8" hole 5-1/2", 17 ppf, N-80, LTC casing. Circulate cement 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

C. HARRADEN/ December 1, 2006

Comments: BURLINGTON RESOURCES/ Maddox WN Federal #14 APD

STIPULATION/CONDITION OF APPROVAL

This well is located in a growing area where home development is occurring and water wells are being drilled into the Ojo Alamo aquifer. In order to protect the integrity of the Ojo Alamo fresh water aquifer, a minimum surface csg. depth of 641' is stipulated as a condition of approval for this APD.

Printed on:

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

DEPTH: 641

SURFACE:

Option 1	Option 2	Option 3
148 sx	143 sx	65 sx
30.8 bbls	30.8 bbls	18.6 bbls
172.9 cuft	172.9 cuft	104.3 cuft
1.17 ft ³ /sx	1.21 ft ³ /sx	1.61 ft ³ /sx
15.8 ppg	15.6 ppg	14.5 ppg
4.973 gal/sx	5.29 gal/sx	7.41 gal/sx
Class G Cement	Standard Cement	Type I-II Ready Mix
+ 3% S001 Calcium Chloride	+ 3% Calcium Chloride	+ 20% Fly Ash
+ 0.25 lb/sx D029 Cellophane Flakes	+ 0.25 lb/sx Floccle	

Comp. Strength
 6 hrs 250 psi
 8 hrs 500 psi

Comp. Strength
 8 hrs 475 psi
 24 hrs 1375 psi

PRODUCTION LEAD:

Option 1	Option 2	Option 3
285 sx	277 sx	274 sx
128.3 bbls	128.3 bbls	128.3 bbls
720.3 cuft	720.3 cuft	720.3 cuft
2.72 ft ³ /sx	2.60 ft ³ /sx	2.63 ft ³ /sx
11.7 ppg	11.5 ppg	11.7 ppg
15.74 gal/sx	14.62 gal/sx	15.92 gal/sx
Class G Cement	Type III Ashgrove Cement	Class G Cement
+ 3% D079 Extender	+ 30 lb/sx San Juan Poz	+ 3% D079 Extender
+ 0.20% D046 Antifoam	+ 3% Bentonite	+ 0.20% D046 Antifoam
+ 10 lb/sx Phenoseal	+ 5.0 lb/sx Phenoseal	+ 1.0 lb/bbl CemNet

HOLE: 7.875"
 CSG OD: 5.5"
 CSG ID: 4.892"
 WGT: 17 ppf
 GRADE: N-80
 EXCESS: 150 %

TAIL: 437

DEPTH: 2184

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

Comp. Strength
 3 hrs 100 psi
 24 hrs 443 psi

PRODUCTION TAIL:

Option 1	Option 2	Option 3
149 sx	146 sx	152 sx
34.7 bbls	34.7 bbls	34.7 bbls
194.8 cuft	194.8 cuft	194.8 cuft
1.31 ft ³ /sx	1.33 ft ³ /sx	1.28 ft ³ /sx
13.5 ppg	13.5 ppg	13.5 ppg
5.317 gal/sx	5.52 gal/sx	5.255 gal/sx
50/50 Poz: Class G Cement	50/50 Poz: Standard Cement	50/50 Poz: Class G Cement
+ 0.25 lb/sx D029 Cellophane Flakes	+ 2% Bentonite	+ 2% D020 Bentonite
+ 3% S001 Calcium Chloride	+ 6.0 lb/sx Phenoseal	+ 5.0 lb/sx D024 Gilsomite Extender
+ 2% D020 Bentonite		+ 2% S001 Calcium Chloride
+ 1.5 lb/sx D024 Gilsomite Extender		+ 0.1% D046 Antifoamer
+ 0.1% D046 Antifoamer		+ 0.15% D065 Dispersant
+ 6 lb/sx Phenoseal		+ 1.0 lb/bbl CemNet

Comp. Strength
 2:05 50 psi
 4:06 500 psi
 12 hrs 1250 psi
 24 hrs 1819 psi

Comp. Strength
 24 hrs 1850 psi
 48 hrs 3411 psi

82-DH 10/11/06

Maddox WN Federal #14

SURFACE:

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

DEPTH:

641

INTERMEDIATE LEAD:

Option 4

250 sx
128.3 bbls
720.3 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: 5.5 "
CSG ID: 4.892 "
WGT: 17 ppf
GRADE: N-80
EXCESS: 150 %

TAIL:

437

DEPTH:

2184

Option 5

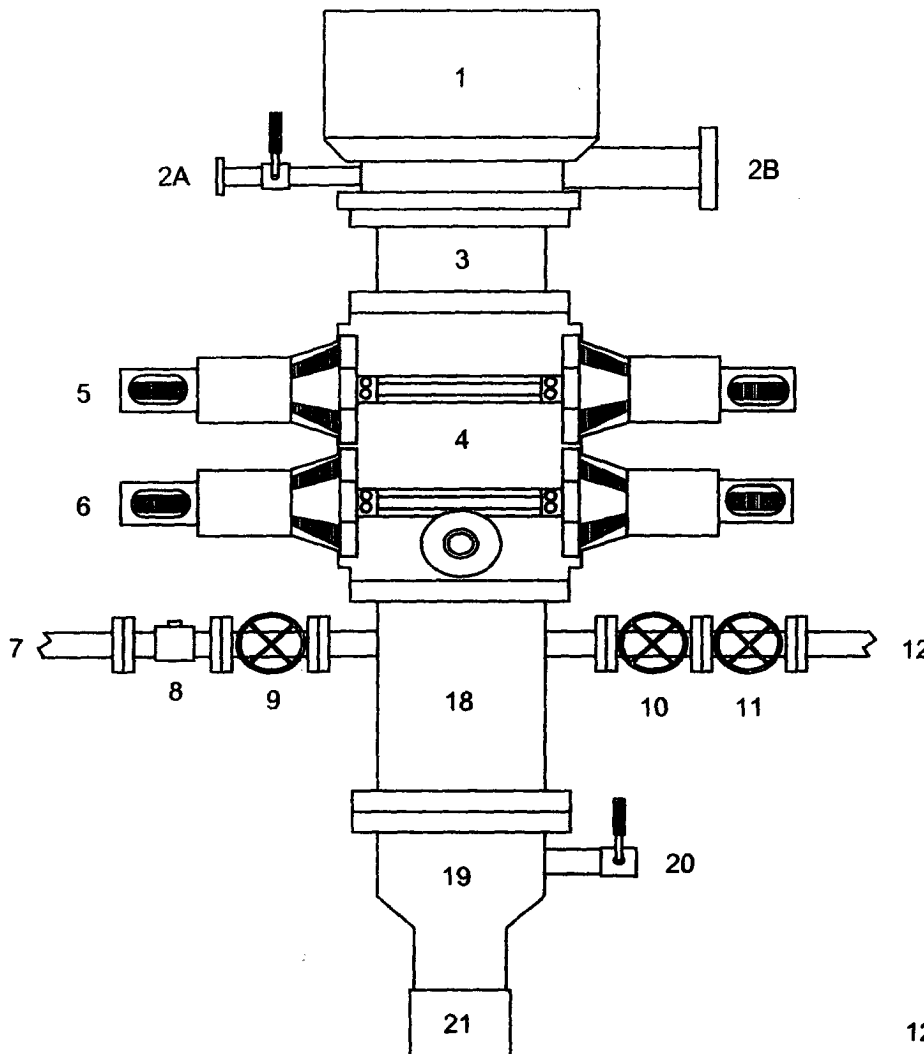
343 sx
128.3 bbls
720.3 cuft
2.10 ft³/sx
11.7 ppg
11.724 gal/sx
75% Type XI / 25% Class G Cement
+ 0.25 lb/sx D029 Cellophane Flakes
+ 3% D079 Extender
+ 0.20% D046 Antifoam

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

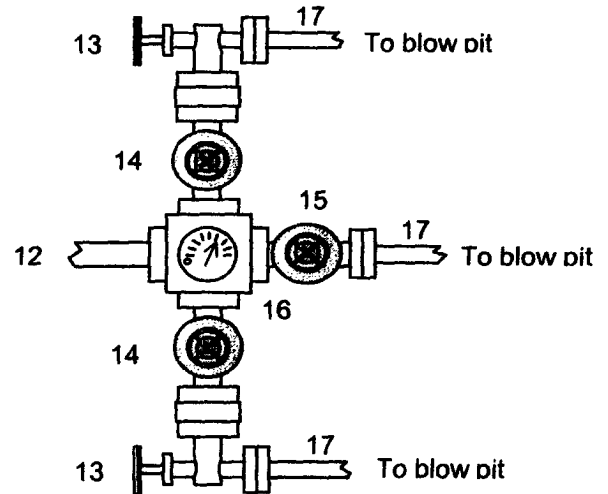
INTERMEDIATE TAIL:

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.

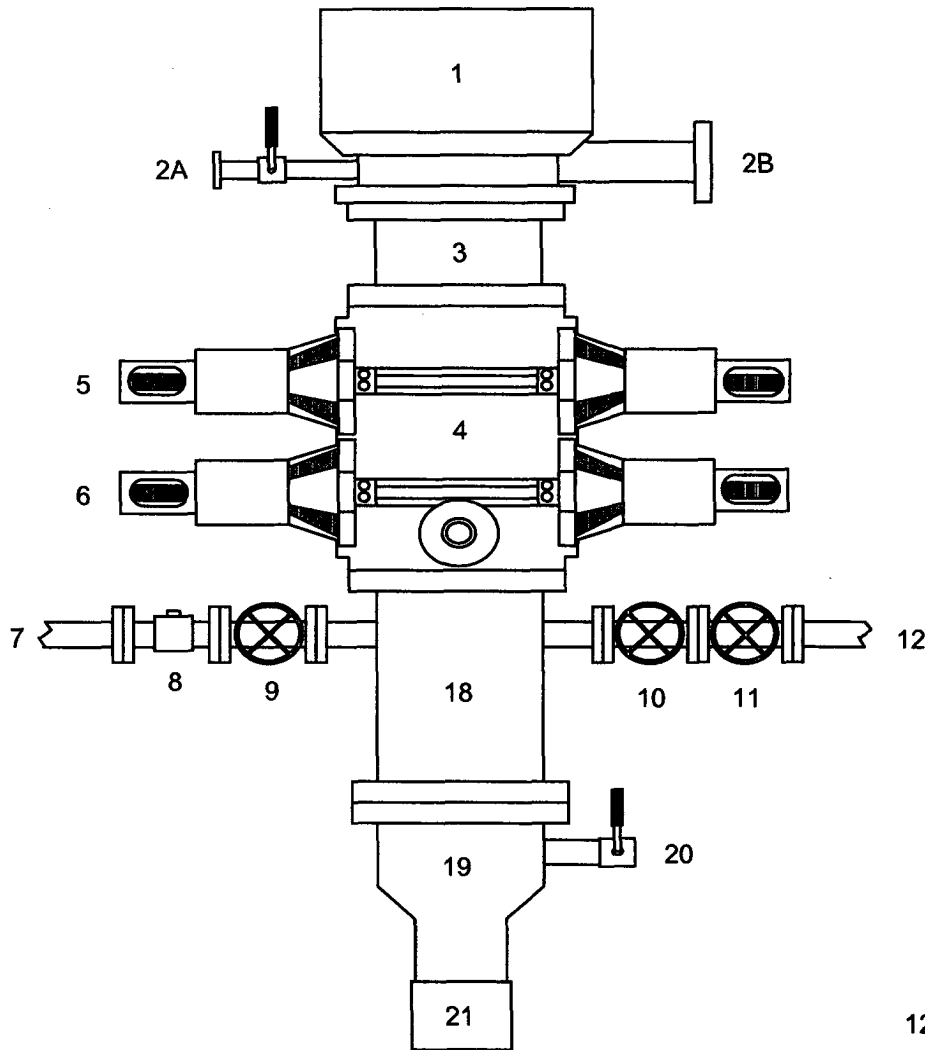
In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

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

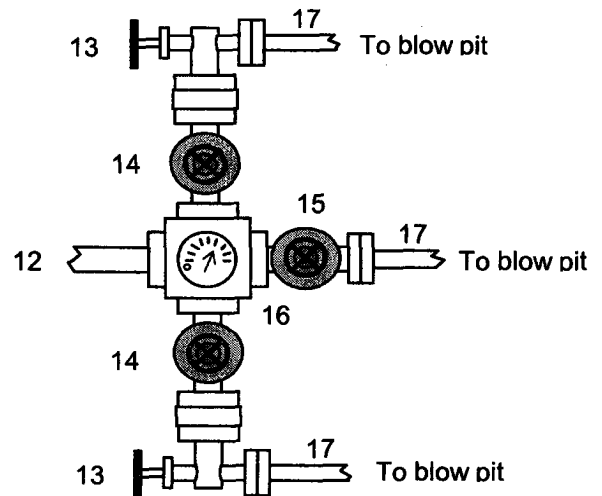
Revision Date: September 1, 2004

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to Production Casing Point & Setting 5 1/2" Production 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 a 7-7/8" hole will be drilled to production casing point and 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

Revision Date: April 28, 2005