UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2006 JUN 8 PM 2 14

RECEIVED
070 FARMINGTON NM

1a. Type of Work
DRILL

5. Lease Number
NMSF-078147
Unit Reporting Number
MV-NMNM-073322
DK-NMNM-67396

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

9. Well Number
Moore Com #1M

4. Location of Well
Unit D (NWNW), 660' FNL & 1050' FWL,

Latitude 36° 96224'N
Longitude 108° 05229'W

10. Field, Pool, Wildcat
Blanco MV / Basin DK

11. Sec., Twn, Rge, Mer. (NMPM)
Sec. 25, T32N, R12W

API # 30-045-33786

14. Distance in Miles from Nearest Town

12. County
San Juan

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
660'

16. Acres in Lease

17. Acres Assigned to Well
MV 320 - N/2 & DK 320.0 - W/2

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease

19. Proposed Depth
7792'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6536' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

SEP 2006

24. Authorized by: Patsy Clugston
Sr. Regulatory Analyst

8/8/06
Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE AFM

DATE 9/11/06

Archaeological Report attached
Enviromental 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 action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

NMOCD

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

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

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-33786	72319 / 71599	BLANCO MESAVERDE / BASIN DAKOTA

[4] Property Code	[5] Property Name	[6] Well Number
31832	MOORE COM	1M

[7] OGRID No.	[8] Operator Name	[9] Elevation
217817	CONOCOPHILLIPS COMPANY	6536'

[10] Surface Location

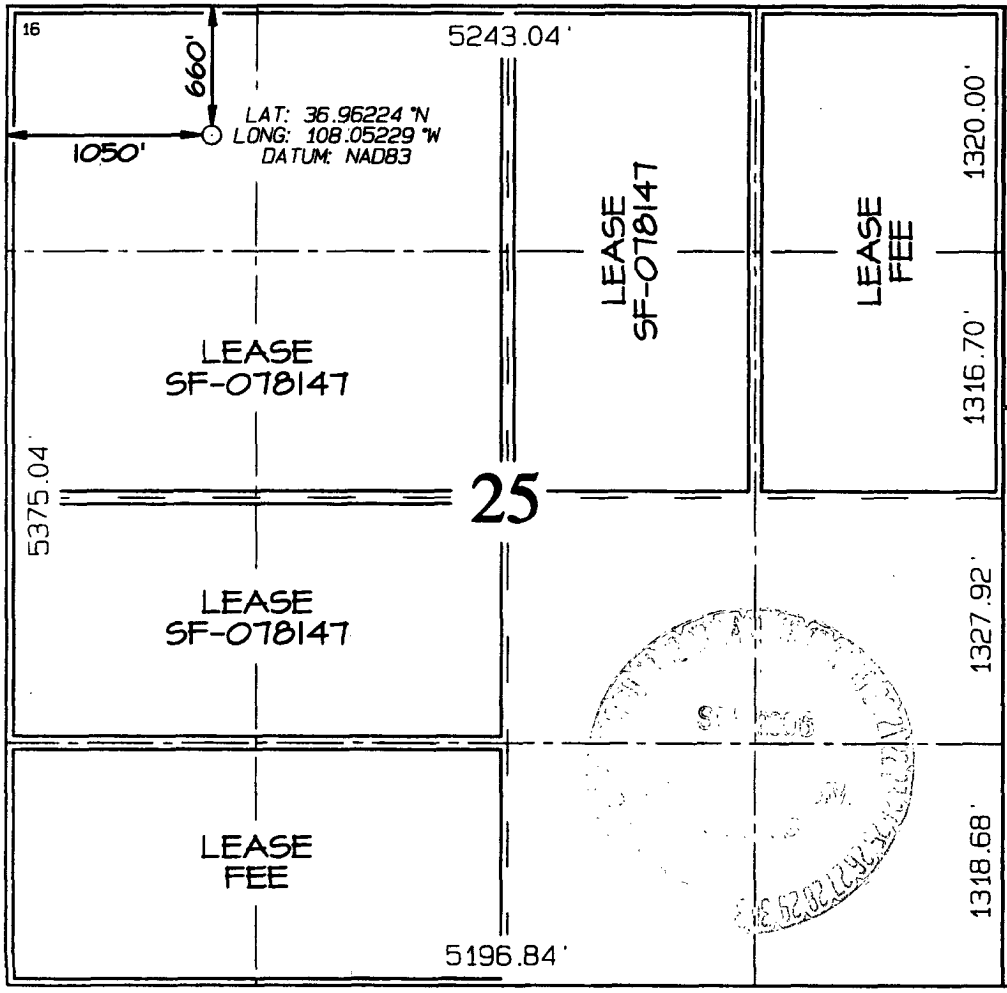
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	32N	12W		660	NORTH	1050	WEST	SAN JUAN

[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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320.0 Acres - N/2 (MV) 320.0 Acres - W/2 (DK)			

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

Signature: Virgil E. Chavez

Printed Name: Virgil E. Chavez

Title: Projects & Operations Lead

Date: June 6, 2006

[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

Survey Date: FEBRUARY 20, 2006

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS

Certificate Number 15269

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

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

Form C-103
May 27, 2004

WELL API NO. 30-045-

5. Indicate Type of Lease STATE ☐ FEE ☐

6. State Oil & Gas Lease No. Fedral Lease - 078147

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.)

7. Lease Name or Unit Agreement Name: Moore Com

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number: #1M

2. Name of Operator: ConocoPhillips Company

9. OGRID Number: 217817

3. Address of Operator: 3401 E. 30TH STREET, FARMINGTON, NM 87402

10. Pool name or Wildcat: Blanco Mesaverde / Basin Dakota

4. Well Location
Unit Letter D : 660 feet from the North line and 1050 feet from the West line
Section 25 Township 32N Rng 12W NMPM County San Juan

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 6536'

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' <1000'

Pit Liner Thickness: 12 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:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	New Drill		☒	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.

We are constructing Drilling and workover pits as per our General plan on file with the OCD dated June 2005 and we are closing all pits as per the November 1, 2004 Guidelines. Please be sure to include this language on all pit NOI's and C-144's.

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 6/8/2006

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

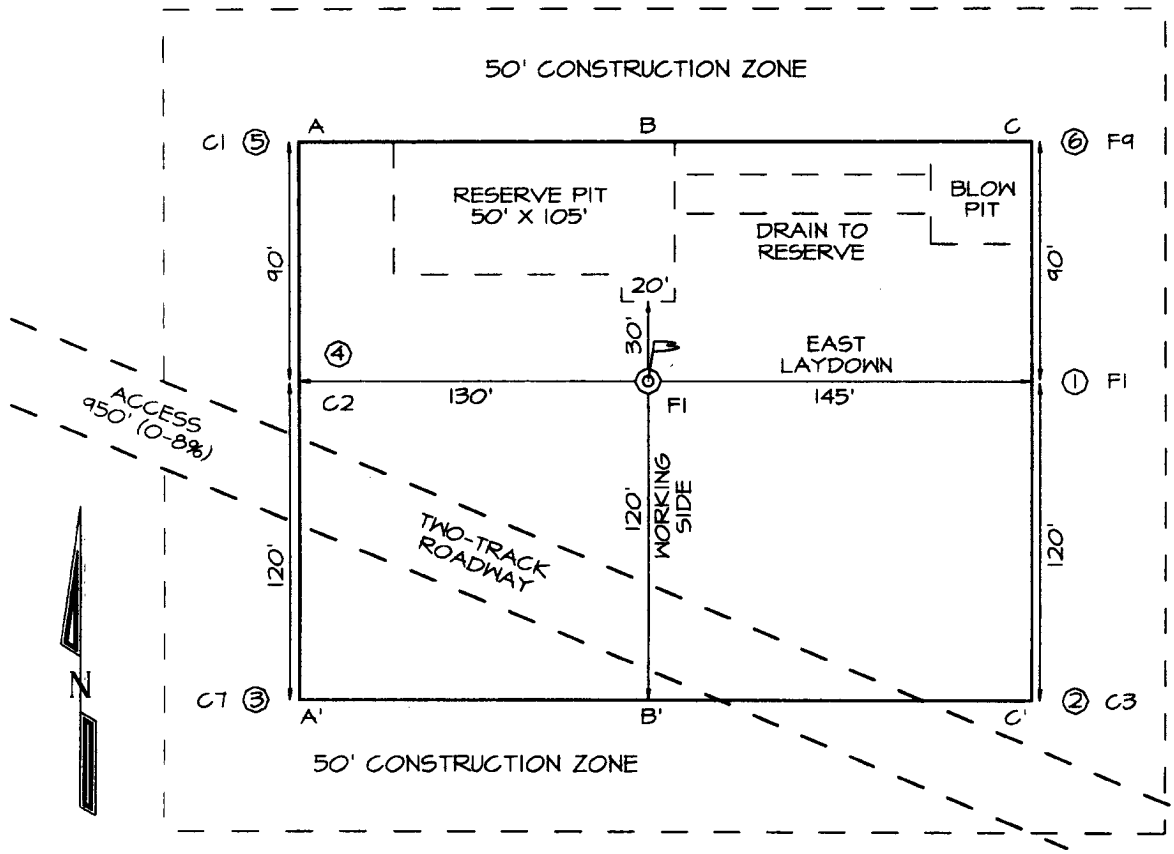
For State Use Only

APPPROVED BY _____ TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE SEP 15 2006

Conditions of Approval (if any):

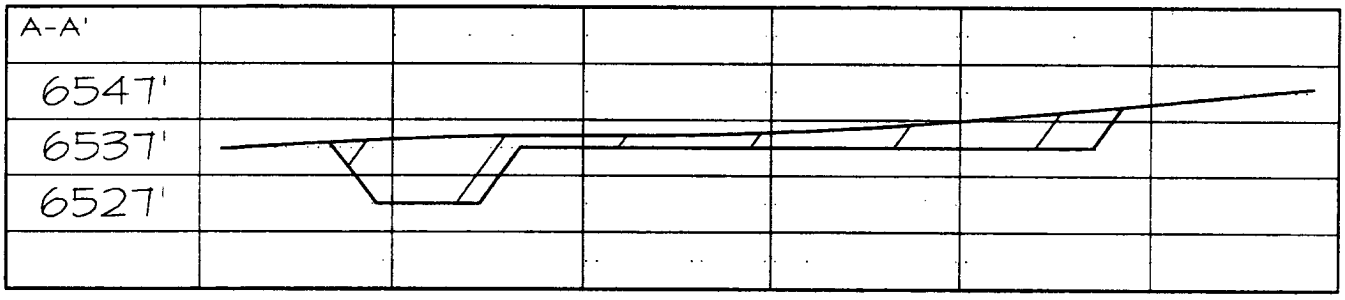
CONOCOPHILLIPS COMPANY MOORE COM #1M
660' FNL & 1050' FWL, SECTION 25, T32N, R12W, NMPM
SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6536'

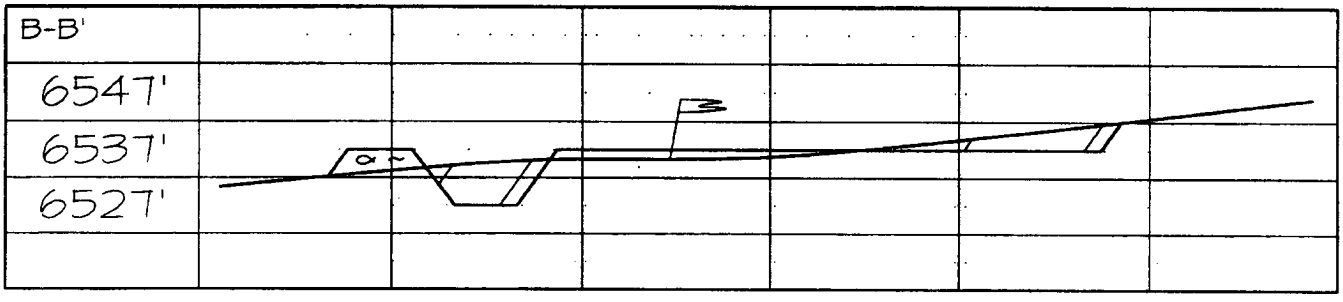
LATITUDE: 36.96224° N
LONGITUDE: 108.05229° W
DATUM: NAD1983

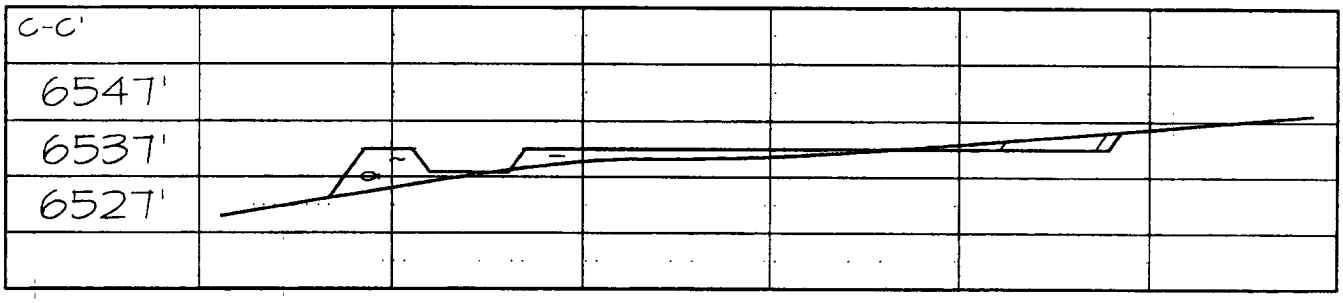


PLAT NOTE:

SURFACE OWNER Bureau of Land Management







FILENAME: 321225DT	SHEET 2 OF 6	NCE SURVEYS, INC.	DRAWN BY: EDO	CHECKED BY: JCE

ConocoPhillips

San Juan Business Unit

PROJECT PROPOSAL - New Drill / Sidetrack

MOORE COM 1M

Lease:		AFE #: WAN.CNV.6144		AFE $:
Field Name: NEW MEXICO-NORTH	Rig: 486-0597	State: NM	County: SAN JUAN	API #:
Geoscientist: Glaser, Terry J	Phone: (832)486-2332	Prod. Engineer: Piotrowicz, Greg M.		Phone: +1 832-486-3486
Res. Engineer: Tomberlin, Timothy A	Phone: (832) 486-2328	Proj. Field Lead: Fransen, Eric E.		Phone:

Primary Objective (Zones):

Zone	Zone Name
R20002	MESAVERDE(R20002)
R20076	DAKOTA(R20076)

Location: Surface Datum Code: NAD 27 **Straight Hole**

Latitude: 36.962240	Longitude: -108.052290	X:	Y:	Section: 25	Range: 12W
Footage X: 1050 FWL	Footage Y: 660 FNL	Elevation: 6536 (FT)	Township: 32N		

Tolerance:

Location Type: Year Round | Start Date (Est.): | Completion Date: | Date In Operation:

Formation Data: Assume KB = 6552 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	216	6336	☐			Possible water flows. 12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.
CJAM	1502	5050	☐			Possible water flows.
KRLD	1752	4800	☐			Possible gas.
FRLD	2852	3700	☐			Possible gas.
PCCF	3102	3450	☐			
LEWS	3302	3250	☐			
Intermediate Casing	3402	3150	☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	4152	2400	☐			
CLFH	4792	1760	☐			Gas; possibly wet
MENF	4902	1650	☐			Gas.
PTLK	5352	1200	☐			Gas.
CLLP	6892	-340	☐			Gas. Possibly wet.
CRHN	7442	-890	☐			Gas possible, highly fractured
PAGU	7652	-1100	☐			Gas. Highly Fractured.
Total Depth	7792	-1240	☐			6-1/4" Hole. 4-1/2", 11.6 ppf, N-80, LTC casing. Circulate cement a minimum of 100' inside the previous casing string. No open hole logs. Cased hole TDT with GR to surface.

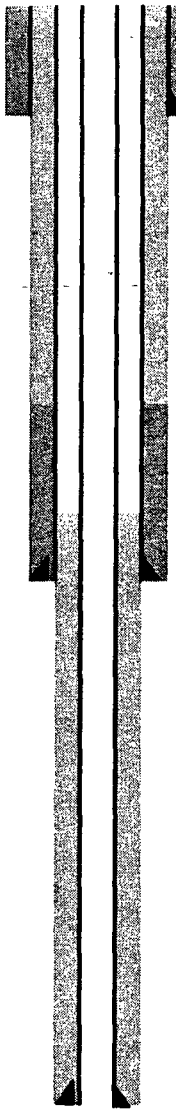
Reference Wells:

Reference Type	Well Name	Comments

Printed on: 6/19/2006 10:16:34 AM

Moore Com #1M

APD Cement Calculations



HOLE:	12.25 "
CSG OD:	9.625 "
CSG ID:	9.001 "
WGT:	32.3 ppf
GRADE:	H-40
EXCESS:	125 %
DEPTH:	**235** '

SURFACE:

Option 1				Option 2				Option 3			
148 sx	Comp. Strength			**143 sx**	Comp. Strength			**65 sx**	Comp. Strength		
30.8 bbls	6 hrs	250	psi	30.8 bbls	6 hrs	250	psi	18.6 bbls	8 hrs	475	psi
172.9 cuft	8 hrs	500	psi	172.9 cuft	8 hrs	500	psi	104.3 cuft	24 hrs	1375	psi
1.17 ft^3/sx			psi	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 Flocele							

HOLE:	8.75 "
CSG OD:	7 "
CSG ID:	6.456 "
WGT:	20 ppf
GRADE:	J-55
EXCESS:	150 %
TAIL:	680.4 '
DEPTH:	**3402** '

INTERMEDIATE LEAD:

Option 1				Option 2				Option 3			
359 sx	Comp. Strength			**375 sx**	Comp. Strength			**371 sx**	Comp. Strength		
173.8 bbls	9 hrs	300	psi	173.8 bbls	1:47 hrs	50	psi	173.8 bbls	3 hrs	100	psi
975.9 cuft	48 hrs	525	psi	975.9 cuft	12 hrs	350	psi	975.9 cuft	24 hrs	443	psi
2.72 ft^3/sx				2.60 ft^3/sx	24 hrs	450	psi	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			

INTERMEDIATE TAIL:

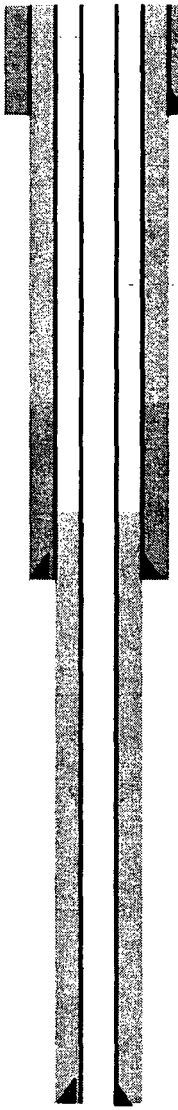
Option 1				Option 2				Option 3			
203 sx	Comp. Strength			**200 sx**	Comp. Strength			**207 sx**	Comp. Strength		
47.3 bbls	3:53	500	psi	47.3 bbls	2:05	50	psi	47.3 bbls	24 hrs	1850	psi
265.4 cuft	8:22	1000	psi	265.4 cuft	4:06	500	psi	265.4 cuft	48 hrs	3411	psi
1.31 ft^3/sx	24 hrs	3170	psi	1.33 ft^3/sx	12 hrs	1250	psi	1.28 ft^3/sx			
13.5 ppg	48 hrs	5399	psi	13.5 ppg	24hrs	1819	psi	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 Gilsonite Extender			
+ 2% D020 Bentonite								+ 2% S001 Calcium Chloride			
+ 1.5 lb/sx D024 Gilsonite Extender								+ 0.1% D046 Antifoamer			
+ 0.1% D046 Antifoamer								+ 0.15% D065 Dispersant			
+ 6 lb/sx Phenoseal								+ 1.0 lb/bbl CemNet			

HOLE:	6.25 "
CSG OD:	4.5 "
CSG ID:	4 "
WGT:	11.6 ppf
GRADE:	N-80
EXCESS:	50 %
DEPTH:	**7792** '

PRODUCTION:

Option 1				Option 2			
486 sx	Comp. Strength			**482 sx**	Comp. Strength		
124.6 bbls	7 hrs	500	psi	124.6 bbls	9:32	50	psi
699.3 cuft	24 hrs	2100	psi	699.3 cuft	12 hrs	500	psi
1.44 ft^3/sx				1.45 ft^3/sx	13:29	1026	psi
13.0 ppg				13.1 ppg	24 hrs	2300	psi
6.47 gal/sx				6.55 gal/sx			
50/50 Poz: Class G Cement				50/50 Poz: Standard Cement			
+ 0.25 lb/sx D029 Cellophane Flakes				+ 3% Bentonite			
+ 3% D020 Bentonite				+ 0.2% CFR-3 Friction Reducer			
+ 1.0 lb/sx D024 Gilsonite Extender				+ 0.1% HR-5 Retarder			
+ 0.25% D167 Fluid Loss				+ 0.8% Halad-9 Fluid Loss Additive			
+ 0.25% D065 Dispersant				+ 3.5 lb/sx Phenoseal			
+ 0.1% D800 Retarder							
+ 0.1% D046 Antifoamer							
+ 3.5 lb/sx Phenoseal							

Moore Com #1M



SURFACE:

HOLE:	12.25 "
CSG OD:	9.625 "
CSG ID:	9.001 "
WGT:	32.3 ppf
GRADE:	H-40
EXCESS:	125 %
DEPTH:	**235** '

INTERMEDIATE LEAD:

Option 4				Option 5			
339 sx		Comp. Strength		**465 sx**		Comp. Strength	
173.8 bbls	1:47	50	psi	173.8 bbls	10:56	500	psi
975.9 cuft	12 hrs	350	psi	975.9 cuft	42 hrs	1012	psi
2.88 ft^3/sx	24 hrs	450	psi	2.10 ft^3/sx			
11.5 ppg				11.7 ppg			
16.85 gal/sx				11.724 gal/sx			
Standard Cement				75% Type XI / 25% Class G Cement			
+ 3% Econolite (Extender)				+ 0.25 lb/sx D029 Cellophane Flakes			
+ 10 lb/sx Phenoseal				+ 3% D079 Extender			
				+ 0.20% D046 Antifoam			

HOLE:	8.75 "
CSG OD:	7 "
CSG ID:	6.456 "
WGT:	20 ppf
GRADE:	J-55
EXCESS:	150 %
TAIL:	680.4 '
DEPTH:	**3402** '

INTERMEDIATE TAIL:

HOLE:	6.25 "
CSG OD:	4.5 "
CSG ID:	4 "
WGT:	11.6 ppf
GRADE:	N-80
EXCESS:	50 %
DEPTH:	**7792** '

PRODUCTION:

TOPSET FRUITLAND COAL Wells: (topset casing above coal to prepare for cavitation/DO/UR)

Drilling Mud Program:
Surface: spud mud
Intermediate: fresh water mud with bentonite and polymer as needed
Below Intermediate: air/mist/nitrogen drilling media with foamer, polymer, & corrosion inhibitor as needed

Centralizer Program:
Surface: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 3rd, & 4th joints
Intermediate: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 4th, 6th, 8th, & 10th joints
Turbolizers placed one per joint from the top of the Ojo Alamo to the top of the Kirtland Shale
Below Intermediate: no centralizers used in air holes. In mud holes centralizers are spaced out appropriately

CASE & FRAC FRUITLAND COAL Wells: (casing set below coal to prepare for frac completion)

Drilling Mud Program:
Surface: spud mud
Production: fresh water mud with bentonite and polymer as needed

Centralizer Program:
Surface: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 3rd, & 4th joints
Production: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 4th, 6th, 8th, & 10th joints
Turbolizers placed one per joint from the top of the Ojo Alamo to the top of the Kirtland Shale

MESA VERDE Wells:

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

Centralizer Program:
Surface: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 3rd, & 4th joints
Intermediate: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 4th, 6th, 8th, & 10th joints
Turbolizers placed one per joint from the top of the Ojo Alamo to the top of the Kirtland Shale
Below Intermediate: no centralizers used in air holes. In mud holes centralizers are spaced out appropriately

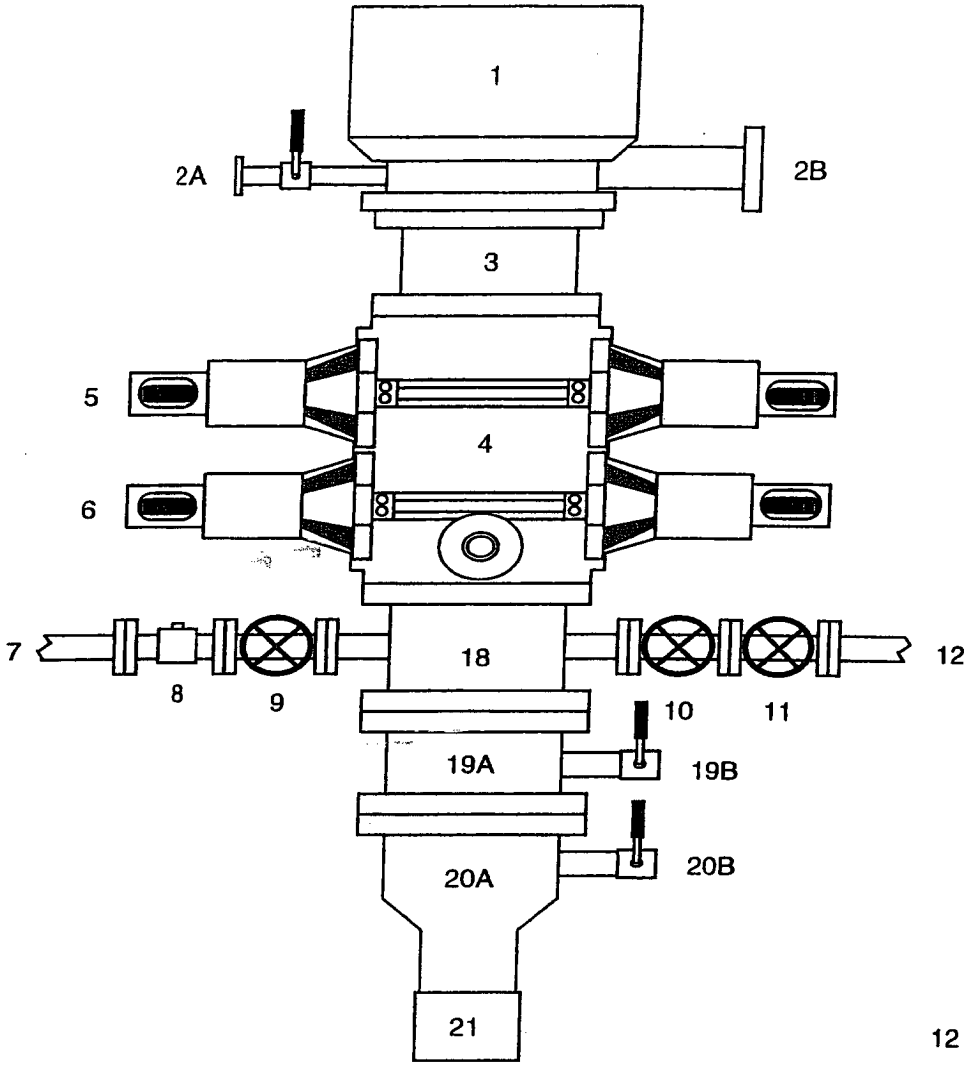
DAKOTA Wells:

Drilling Mud Program:
Surface: spud mud
Intermediate: fresh water mud with bentonite and polymer as needed
Below Intermediate: air/mist/nitrogen drilling media with foamer, polymer, & corrosion inhibitor as needed

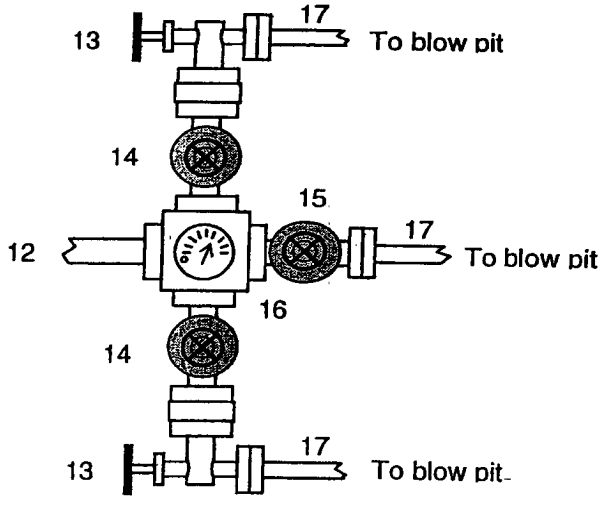
Centralizer Program:
Surface: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 3rd, & 4th joints
Intermediate: centralizers placed 10' above the shoe latched over a stop collar and at the top of the 2nd, 4th, 6th, 8th, & 10th joints
Turbolizers placed one per joint from the top of the Ojo Alamo to the top of the Kirtland Shale
Below Intermediate: no centralizers used in air holes. In mud holes centralizers are spaced out appropriately

BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

For Drilling to TD and Setting 4.5 inch Casing



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

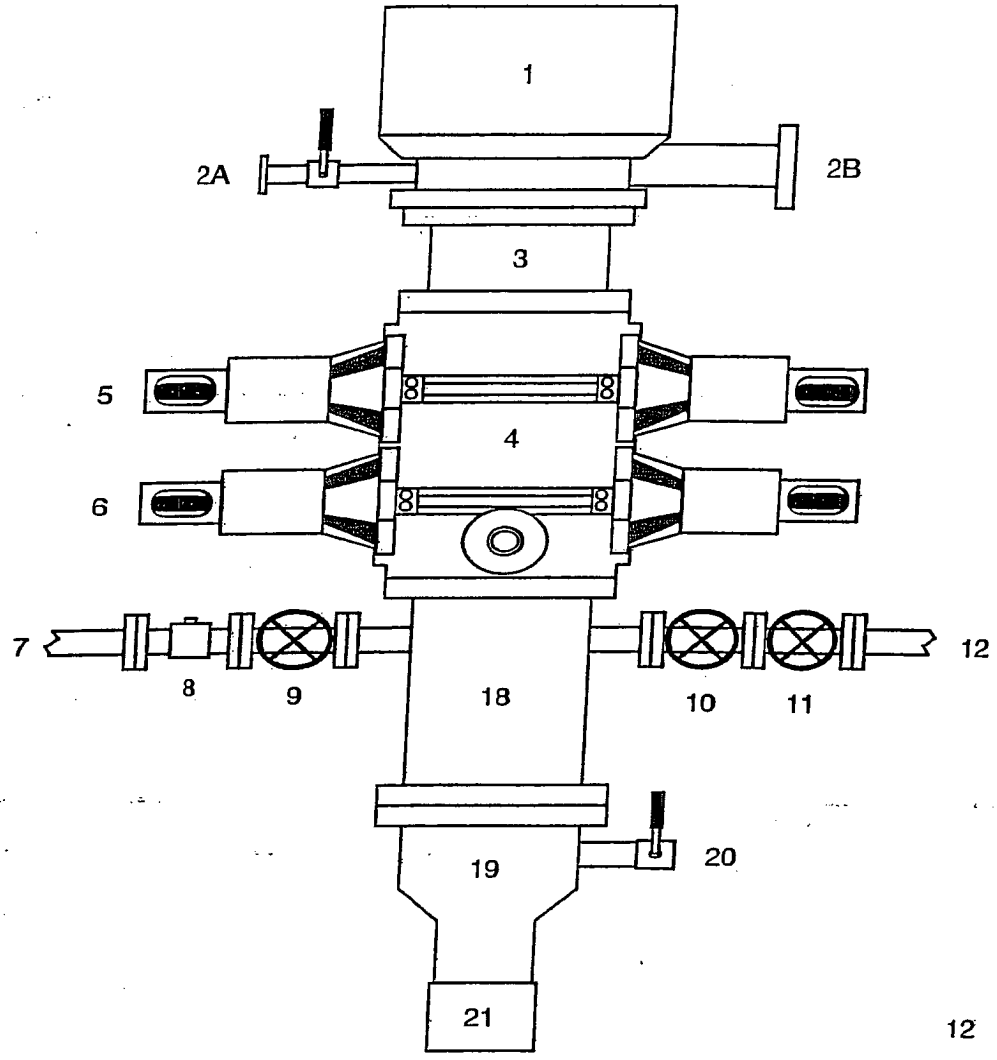
In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

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

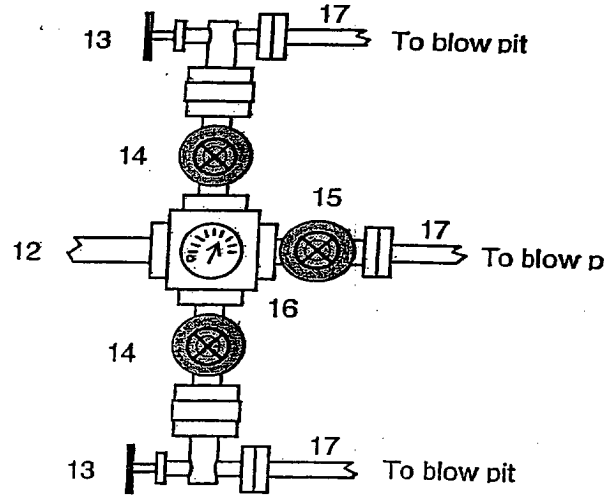
Revision Date: Sept. [illegible] 2004

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: