

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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-080133
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		7. If Unit or CA Agreement, Name and No.
Contact: VICKI WESTBY E-Mail: Vicki.R.Westby@conocophillips.com		8. Lease Name and Well No. SAN JUAN 31 FED 3 1A
3a. Address 4001 PENBROOK, SUITE 346 ODESSA, TX 79762	3b. Phone No. (include area code) Ph: 915.368.1352	9. API Well No. 30-045-32419
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESE 660FSL 660FEL At proposed prod. zone		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL
14. Distance in miles and direction from nearest town or post office*		11. Sec., T., R., M., or Blk. and Survey or Area P Sec 3 T31N R9W Mer NMP
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of Acres in Lease	12. County or Parish SAN JUAN
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 3499 MD	13. State NM
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6549 GL	22. Approximate date work will start	17. Spacing Unit dedicated to this well 316.15E/2
23. Estimated duration		20. BLM/BIA Bond No. on file

## 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 06/09/2004
Title AGENT		
Approved by (Signature) 	Name (Printed/Typed)	Date 8-12-04
Title AFM	Office FEO	

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 #31720 verified by the BLM Well Information System  
For CONOCOPHILLIPS COMPANY, sent to the FarmingtonThis action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

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

NMOCD

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

*API Number <b>30-045-32419</b>		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 31333	*Property Name SAN JUAN 31 FEDERAL 3		*Well Number 1A
*OGRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY		*Elevation 6549'

<sup>10</sup> Surface Location

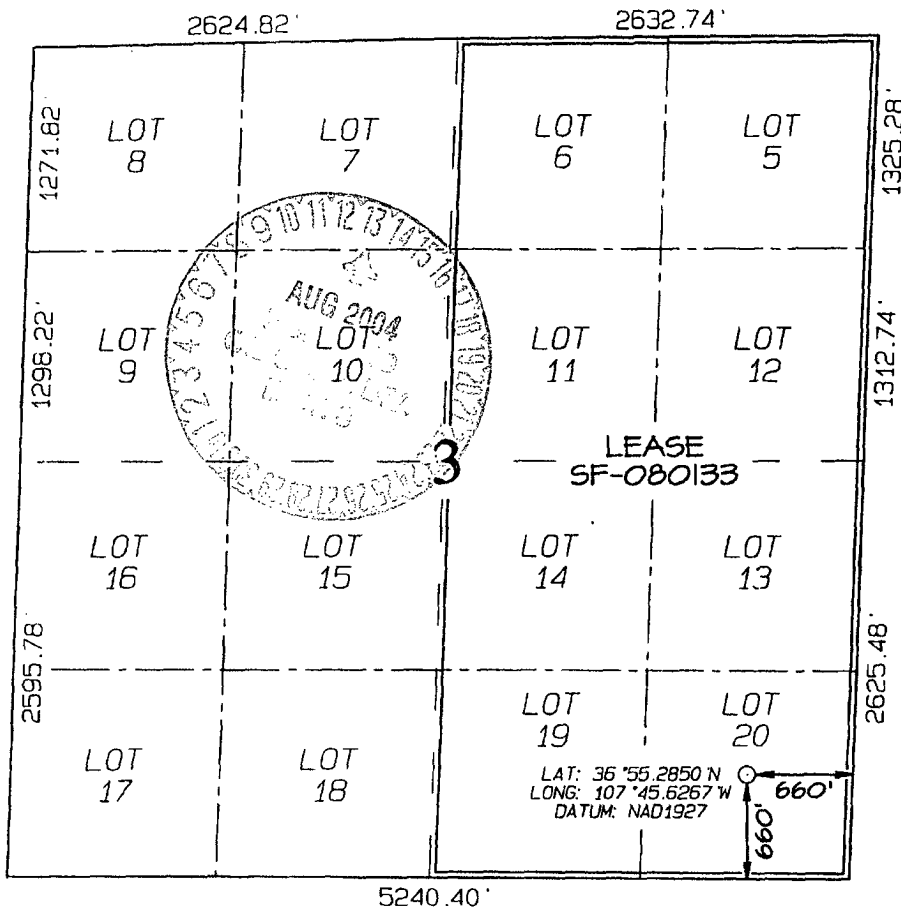
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	3	31N	9W		660	SOUTH	660	EAST	SAN JUAN

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 316.15 Acres - E/2	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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



<b><sup>17</sup> OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Vicki R. Westby</i> Signature Vicki R. Westby Printed Name Sr. Analyst Title Date <i>June 9, 2004</i>
<b><sup>18</sup> SURVEYOR CERTIFICATION</b> 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: APRIL 21, 2004 Signature and Seal of Professional Surveyor  <i>JASON C. EDWARDS</i> Certificate Number 15269

**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 well is a HPA FC well and notification has been mailed to the "Affected Parties" and they will have 20 days from receipt of notification to turn their written objection into the NMOCD in Aztec, NM. 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 ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

San Juan 31 Fed 3

8. Well Number

1A

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 P : 660 feet from the South line and 660 feet from the East line

Section 3 Township 31N Range 9W NMPM San Juan County

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

6549' GL

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)

Pit Location: UL P Sect 3 Twp 31N Rng 9W Pit type Drill Pit Depth to Groundwater >100' Distance from nearest fresh water well >1 000'

Distance from nearest surface water >200' <1,000' 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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: Drill Pit Notification

✓

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND 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.

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 6/9/04

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

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. III

DATE

AUG 18 2005

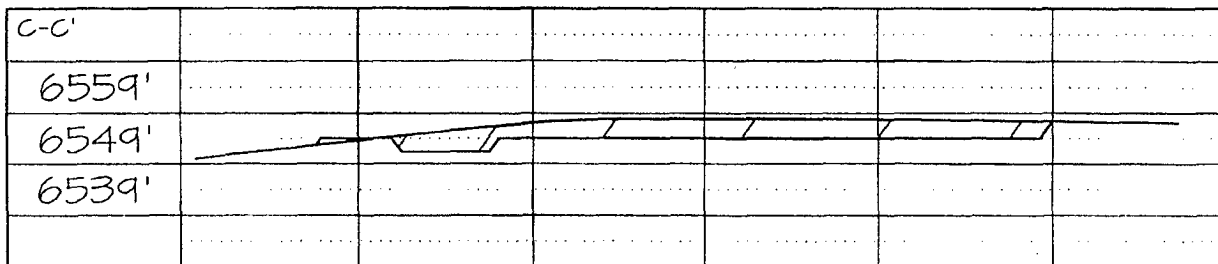
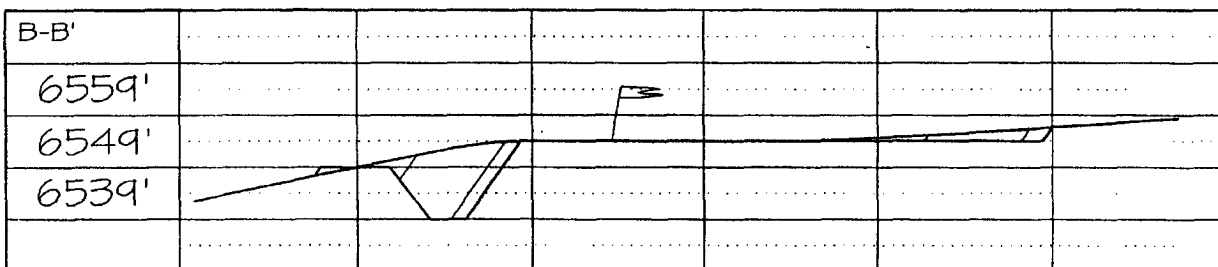
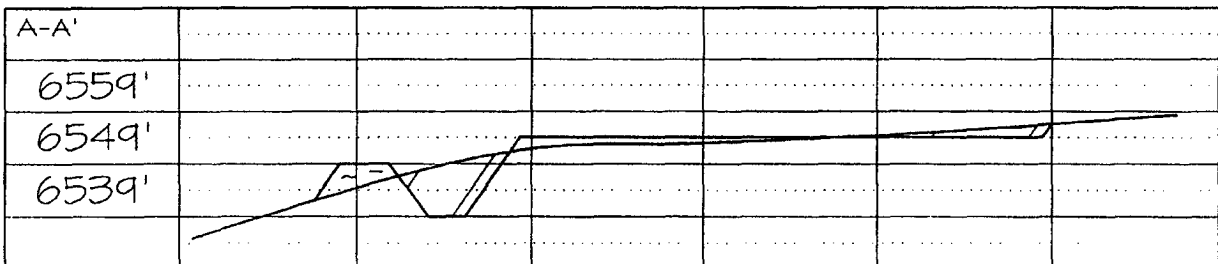
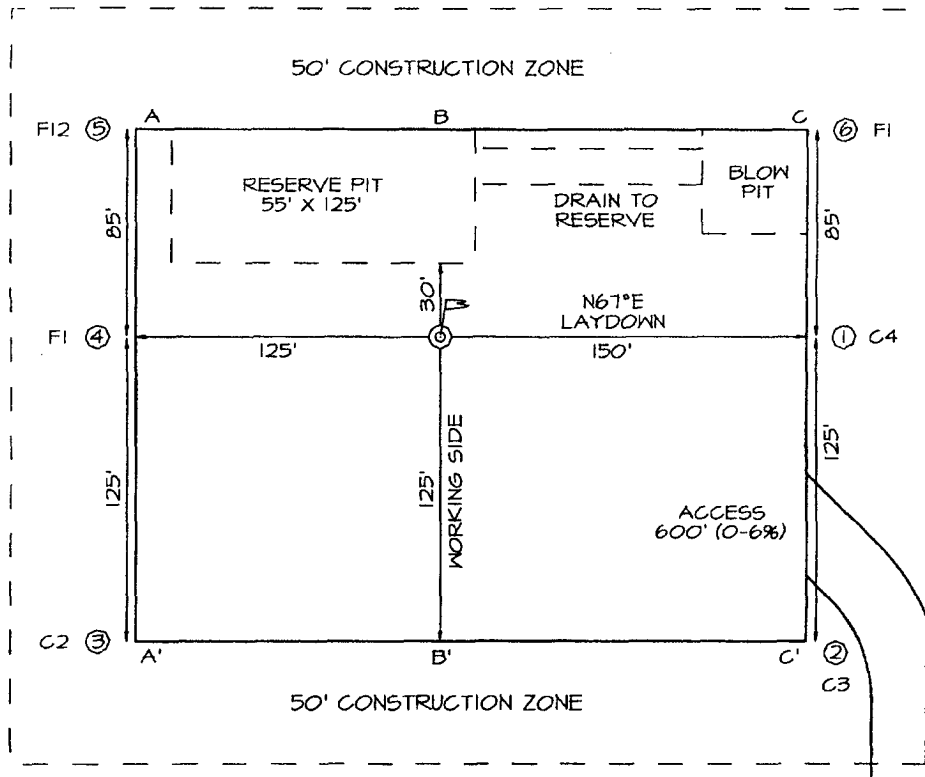
Conditions of approval, if any:

**CONOCOPHILLIPS COMPANY SAN JUAN 31 FEDERAL 3 #1A**  
**660' FSL & 660' FEL, SECTION 3, T31N, R9W, NMPM**  
**SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6549'**

**LATITUDE: 36.92142° N**  
**LONGITUDE: 107.76044° W**  
 DATUM: NAD1927

PLAT NOTE:

\*SURFACE OWNER\*  
 Bureau of Land  
 Management



# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31 FED 3 1A

Lease:	AFE #: WAN.CBM.4170		AFE \$:
Field Name: CBM DRILL BLOCKS	Rig:	State: NM	County: SAN JUAN
Geoscientist: Murphy, Jim O.	Phone: 832-486-2361	Prod. Engineer:	Phone:
Res. Engineer: Peterson, Brad T	Phone: 486-2055	Proj. Field Lead:	Phone:

## Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface				Straight Hole	
Latitude: 36.92	Longitude: -107.76	X:	Y:	Section: 3	Range: 9W
Footage X: 660 FEL	Footage Y: 660 FSL	Elevation: 6549	(FT)	Township: 31N	
Tolerance:					

Location Type:	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6562 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	13	6549	<input type="checkbox"/>			
Surface Casing	213	6349	<input type="checkbox"/>			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.
NCMT	519	6043	<input type="checkbox"/>			
OJAM	1974	4588	<input type="checkbox"/>			Possible water flows.
KRLD	2094	4468	<input type="checkbox"/>			
FRLD	2916	3646	<input type="checkbox"/>			Possible gas.
Intermediate Casing	3129	3433	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
BASE MAIN COAL	3317	3245	<input type="checkbox"/>			
BASE LOWEST COAL	3407	3155	<input type="checkbox"/>			
PCCF	3412	3150	<input type="checkbox"/>			
Total Depth	3499	3063	<input type="checkbox"/>	280		6-1/4" hole possibly underreamed to 9.5". Optional Liner: 5.5", 15.5#, J-55 LTC - left uncemented.

Reference Wells:		
Reference Type	Well Name	Comments

Logging Program:	
Intermediate Logs:	<input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo
TD Logs:	<input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT
Additional Information:	

Comments: Location/Tops/Logging - HPA

Zones - HPA

General/Work Description -

Mud Log from intermediate casing shoe to TD will be obtained.

Drilling Mud Program:

Surface: spud mud

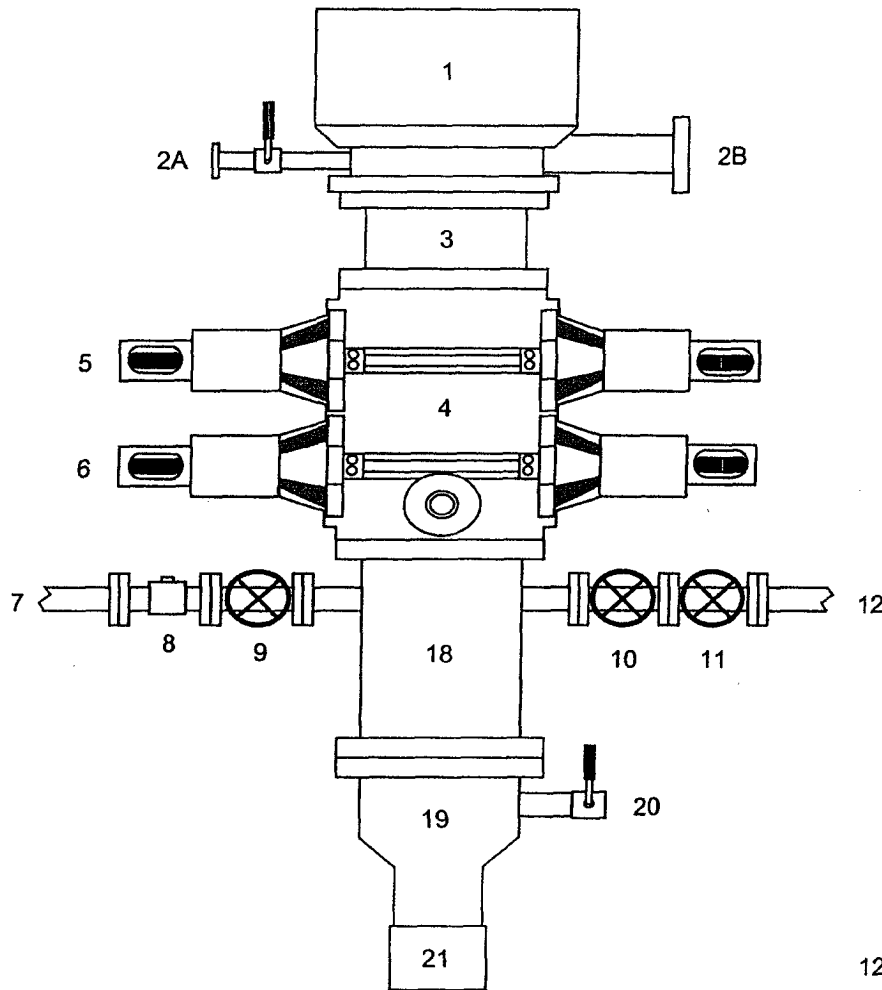
Intermediate: fresh water mud with bentonite and polymer as needed

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

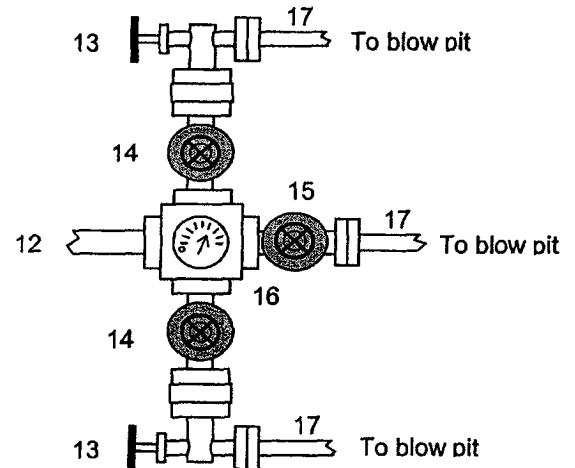
TD includes 80 feet sump/rathole & COPC will comply with the BLM's Conditions of Approval for the proposed sump/rathole in this non-producing Pictured Cliffs formation.

# 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.

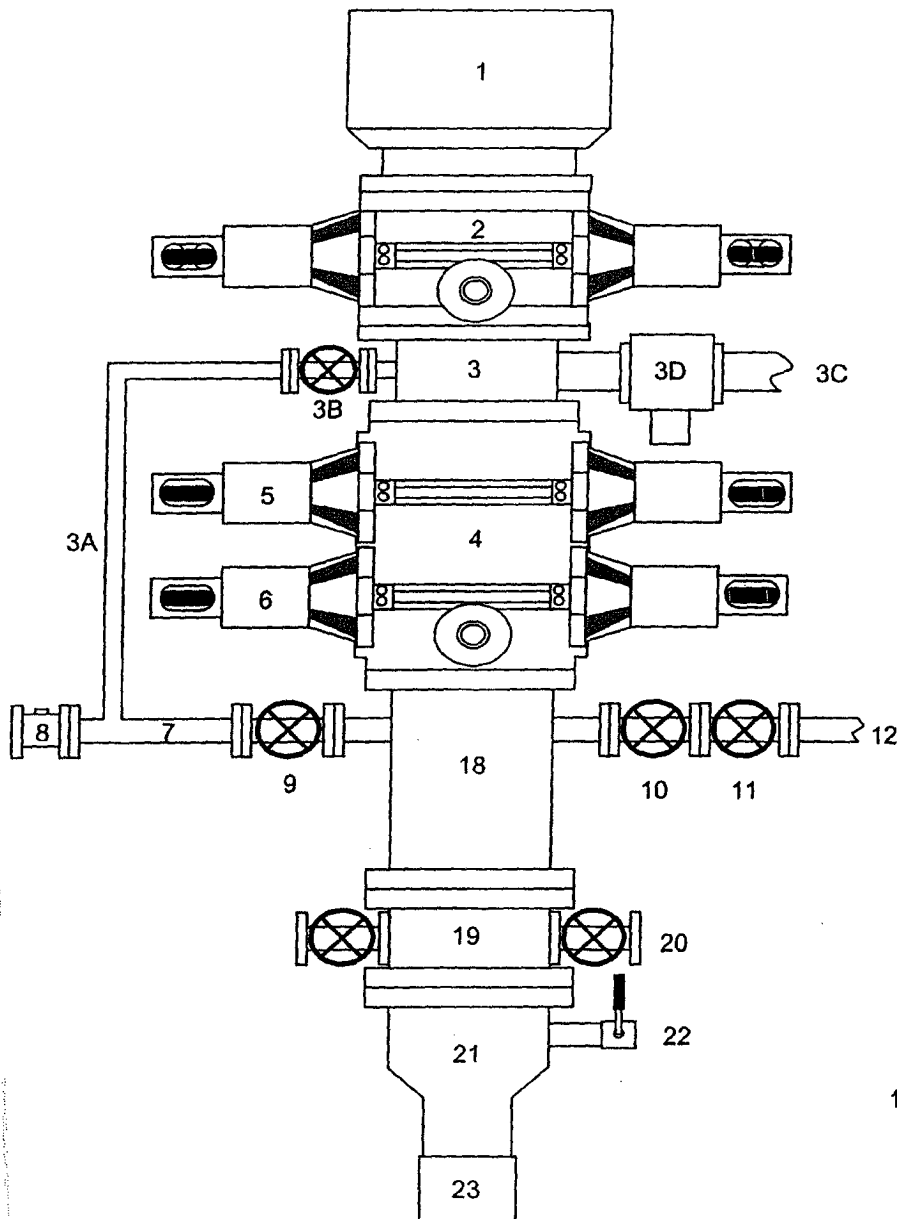
In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

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

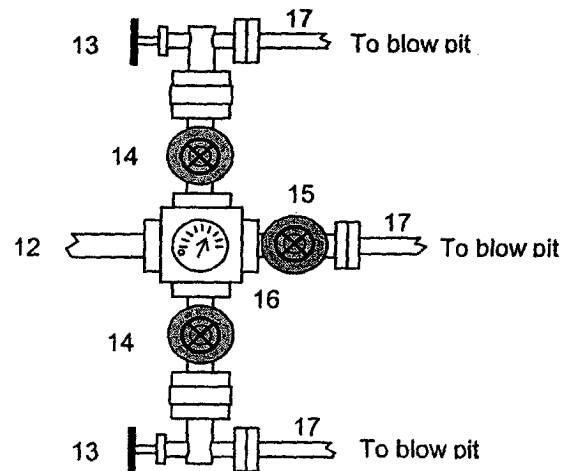


# BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

## 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).

*Release July 21, 2004*

**ConocoPhillips**

**ConocoPhillips Company  
RPA – Property Tax, Real  
Estate, Right of Way and  
Claims**

Vicki R. Westby  
Sr. Analyst  
4001 Penbrook St. , Ste. 317  
Odessa TX, 79762  
Phone (432)368-1352  
Fax (432)368-1287

June 24, 2004

*[Handwritten initials]*

NMOCD  
Attn: Steve Hayden  
1000 Rio Brazos Road  
Aztec, NM 87410

RE: San Juan 31 Fed 3 #1A Well  
Section 3, T31N-R9W  
San Juan County, New Mexico



Dear Steve:

Please find attached a copy of the HPA Notification Letter and a copy of the certified return receipt for the San Juan 31 Fed 3 #1A well located in Section 3, T31N-R9W, San Juan County, New Mexico.

Sincerely,

*Vicki Westby*  
Vicki Westby  
Sr. Analyst

ST 31 Fed 37

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Burlington Resources  
Oil & Gas, Inc.  
P.O. Box 4289  
Farmington, NM  
87499

2. Article Number

(Transfer from service label)

7003 0500 0001 8091 4532

COMPLETE THIS SECTION ON DELIVERY

A. Signature

*[Signature]*

- ☐ Agent  
☐ Addressee

B. Received by (Printed Name)

Rob Williams

C. Date of Delivery

6-17-04

- D. Is delivery address different from item 1? ☐ Yes  
if YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Certified Mail ☐ Express Mail  
☐ Registered ☐ Return Receipt for Merchandise  
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

- ☐ Yes



**ConocoPhillips Company  
RPA – Property Tax, Real  
Estate, Right of Way and  
Claims**

Vicki R. Westby  
Sr. Analyst  
4001 Penbrook St. , Ste. 317  
Odessa TX, 79762  
Phone (432)368-1352  
Fax (432)368-1287

June 11, 2004

**CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

RE: San Juan 31 Fed 3 #1A Well  
Basin Fruitland Coal  
660' FSL & 660' FEL, Section 3, T31N-R9W  
San Juan County, New Mexico

To the Affected Parties:

ConocoPhillips Company is submitting the enclosed Application for Permit to Drill to the appropriate regulatory agency(s) for approval. This well is located inside the High Productivity Area of the Basin-Fruitland Coal Pool as indicated on the attached plat. Notice is being made pursuant to New Mexico Oil Conservation Commission Order R-8768-F dated July 17, 2003.

The affected parties have twenty (20) days from receipt of this notice in which to file with the District Office of the New Mexico Oil Conservation Division written objection to the proposed Application for Permit to Drill.

Sincerely,

A handwritten signature in cursive script that reads "Vicki Westby".

Vicki Westby  
Sr. Analyst

Cc: NMOCD Aztec  
Well File

**San Juan 31 Fed 3 #1A – HPA “Affected Parties”**

Burlington Resources Oil & Gas Inc.

P. O. Box 4289

Farmington, NM 87499

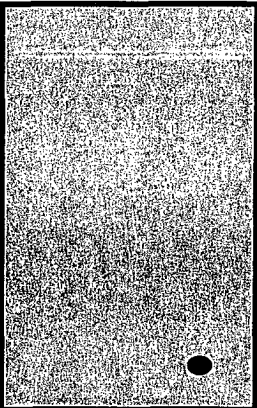
(Certified Receipt #7003 0500 0001 8091 4532)

# SAN JUAN 31 FED 3 #1A

OFFSET OPERATOR PLAT

TOWNSHIP 31 NORTH, RANGE 9 WEST

660' FSL 660' FEL

ConocoPhillips		Burlington Resources O & G
ConocoPhillips		Burlington Resources O & G
Burlington Resources O & G	Burlington Resources O & G	Burlington Resources O & G