

2005 AUG 10 AM 11 49

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
070 FARMINGTON

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

Ia. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SF-079000-A	
Ib. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input 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.	
3a. Address 4001 Penbrook, Odessa, TX 79762		8. Lease Name and Well No. SAN JUAN 31-6 UNIT #7F	
3b. Phone No. (include area code) 432-368-1352		9. API Well No. 30-039-29621	
4. Location of Well (Report location clearly and in accordance with any State requirements, *) At surface SESE 915 FSL - 660 FEL At proposed prod. zone		10. Field and Pool/Exploration BLANCO MESAVERDE / BASIN DAKOTA / ml	
14. Distance in miles and direction from nearest town or post office*		11. Sec., T. R. M. or Blk. and Survey or Area SECTION 1, T30N, R7W NMPM P	12. County or Parish RIO ARRIBA
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 319.7	13. State NM	
17. Spacing Unit dedicated to this well E/2 - 319.7 ACRES	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 7859'	20. BLM/BIA Bond No. on file	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6321' GL	22. Approximate date work will start*	23. Estimated duration	

**24. Attachments**

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must 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 must be filed with the appropriate Forest Service office). | 6. Such other site specific information and/or plans as may be required by the BLM-             |

25. Signature <i>Peggy James</i>	Name (Printed/Typed) Peggy James	Date 8/8/2005
Title Sr. Associate		

Approved by (Signature) <i>M. Manbeck</i>	Name (Printed/Typed) M. Manbeck	Date 4/24/06
Title AFM	Office FTO	

Application approval does not warrant or certify that 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.

\*(Instructions on page 2)

ConocoPhillips Company proposes to drill a vertical wellbore to the Blanco Mesaverde / Basin Dakota formations. This well will be drilled and equipped in accordance with the attachments submitted herewith. This application is for APD / ROW.

This well will be downhole commingled pursuant to the terms and conditions outlined in Order R-11363.

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

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

NMOCD  
/s/

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

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070 FARMINGTON NM

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number <b>30-039-29621</b>		*Pool Code 72319 / 71599		*Pool Name BLANCO MESAVERDE / BASIN DAKOTA	
*Property Code 31328		*Property Name SAN JUAN 31-6 UNIT			*Well Number 7F
*GRID No. 217817		*Operator Name CONOCOPHILLIPS COMPANY			*Elevation 6321'

<sup>10</sup> Surface Location

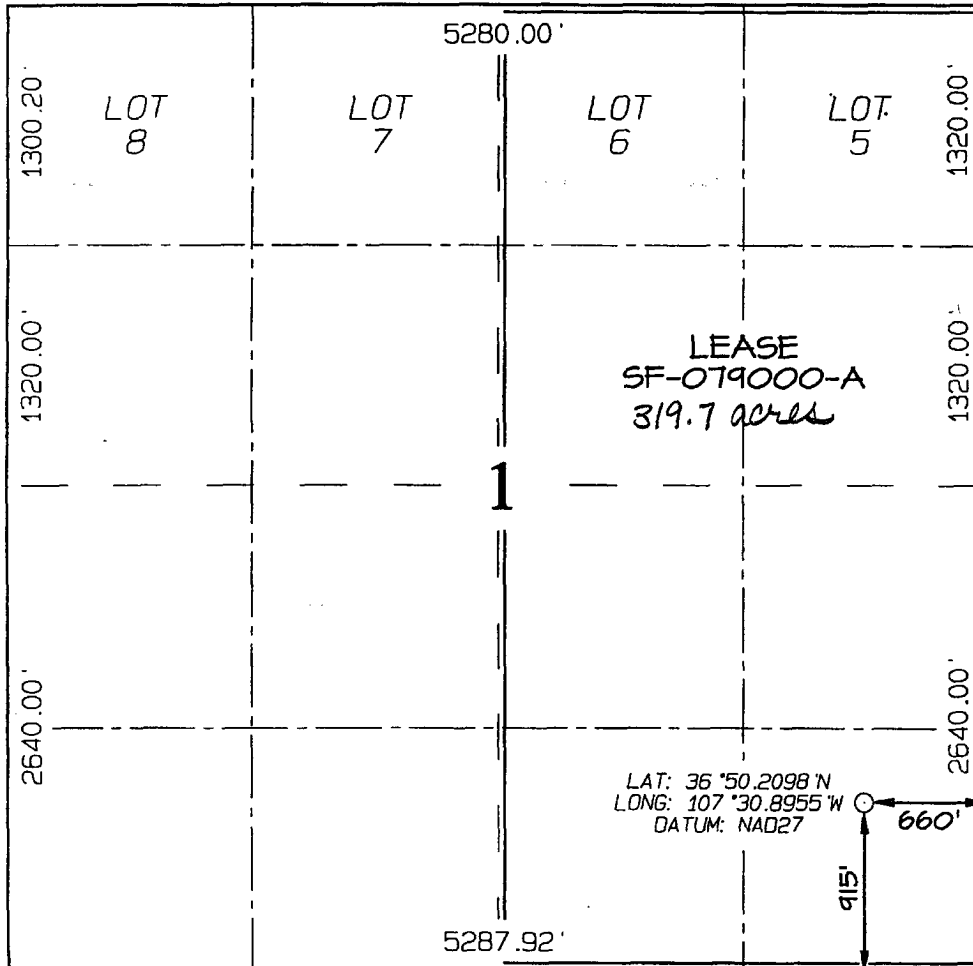
UL or lot no.	Section	Township	Range	Lot Idh	Feet from the	North/South line	Feet from the	East/West line	County
P	1	30N	7W		915	SOUTH	660	EAST	RIO ARRIBA

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idh	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 319.70 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



<sup>17</sup> OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Vicki Westby (rj)*  
Signature  
Vicki R. Westby  
Printed Name  
Staff Agent  
Title  
8/8/2005  
Date

<sup>18</sup> 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: DECEMBER 13, 2004  
Signature and Seal of 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

Form C-103  
 May 27, 2004

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

WELL API NO. <b>30-039-29021</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name San Juan 31-6
8. Well Number 7F
9. OGRID Number 217817
10. Pool name or Wildcat Blanco Mesaverde / Basin Dakota

**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 915 feet from the South line and 660 feet from the East line  
 Section 1 Township 30N Range 7W NMPM Rio Arriba County

I 1. Elevation (Show whether DR, RKB, RT, GR, etc.)  
 6321' GL

Pit or Below-grade Tank Application  Closure

Pit type Drill Depth to Groundwater 80' Distance from nearest fresh water well >1000' Distance from nearest surface water 650'

Liner Thickness: mil Below-Grade Tank: Volume bb1s; Construction Material

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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 I 1 03. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The pit will be constructed and closed in accordance with Rule 50 and as per COPC June 2005 General Pit Plan on file with the NMOCD.. 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

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

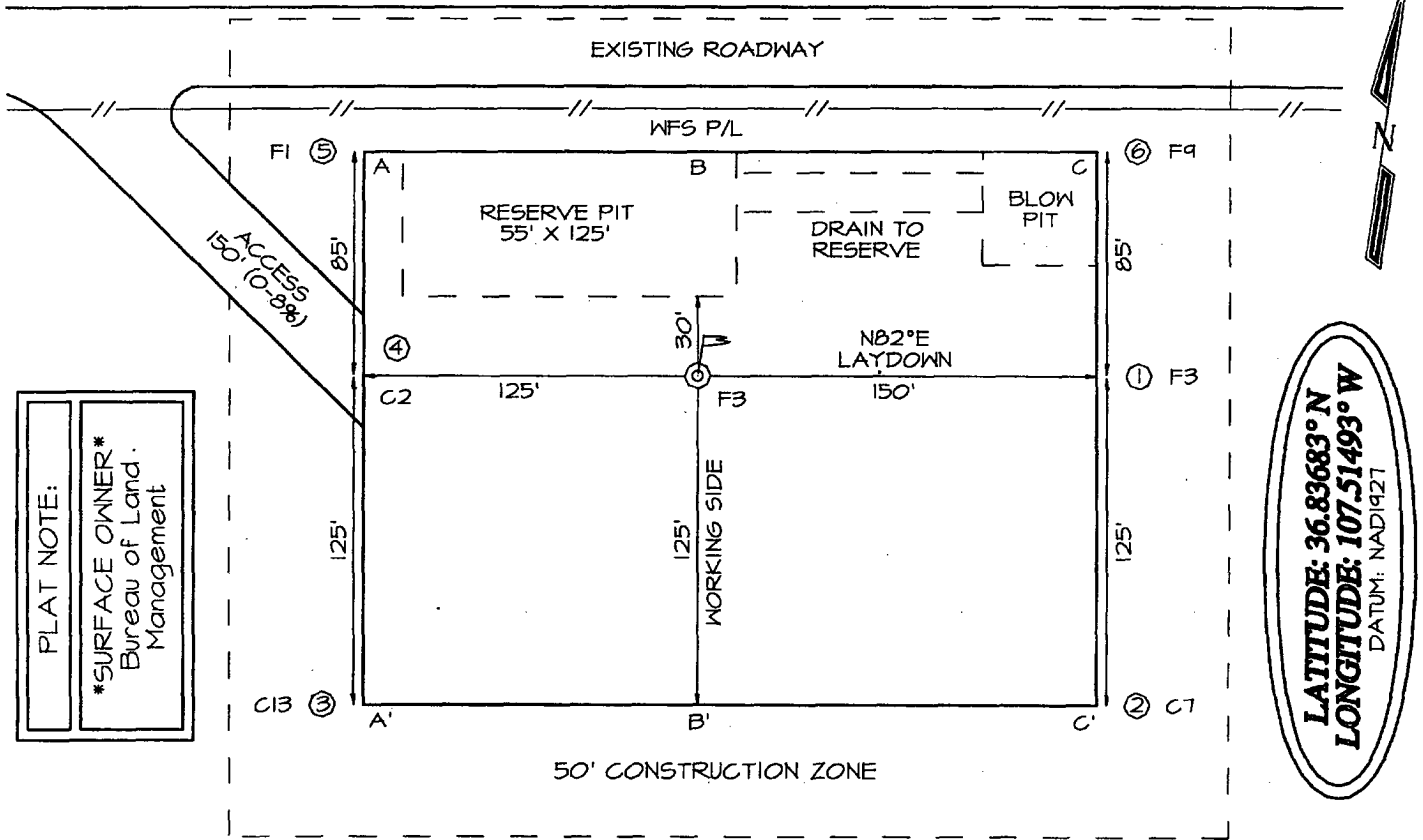
SIGNATURE Peggy James TITLE Sr. Associate DATE 8/8/2005

Type or print name For State Use Only E-mail address: Telephone No.

APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE APR 26 2006

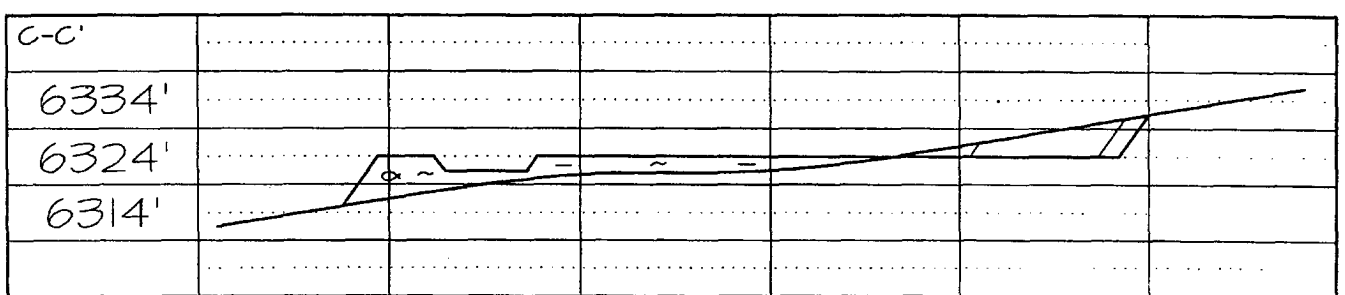
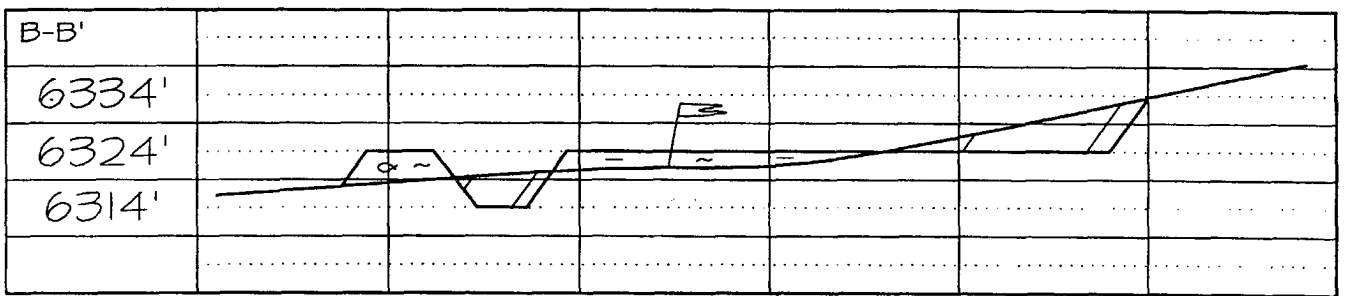
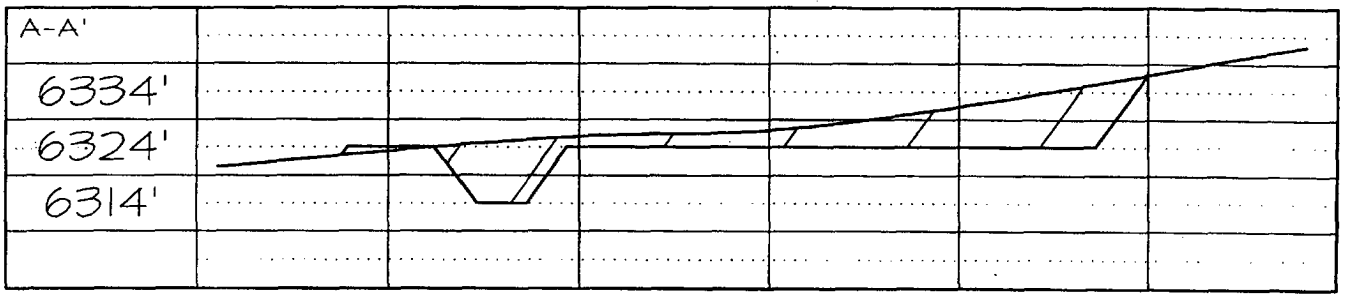
Conditions of Approval (if any):

**CONOCOPHILLIPS COMPANY SAN JUAN 31-6 UNIT #7F  
 915' FSL & 660' FEL, SECTION 1, T30N, R7W, NMPM  
 RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6321'**



**PLAT NOTE:**  
 \*SURFACE OWNER\*  
 Bureau of Land  
 Management

**LATITUDE: 36.83683° N  
 LONGITUDE: 107.51493° W  
 DATUM: NAD1927**



# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 31-6 7F

Lease:	AFE #: WAN.CNV.4113			AFE \$:
Field Name: hPHILLIPS 31-6	Rig:	State: NM	County: RIO ARRIBA	API #:
Geoscientist: Glaser, Terry J	Phone: (832)486-2332	Prod. Engineer: Pusch, Jennye	Phone: 832-486-2345	
Res. Engineer: Tomberlin, Timothy A	Phone: 486-2328	Proj. Field Lead:	Phone:	

**Primary Objective (Zones):**

Zone	Zone Name
FRR	BASIN DAKOTA (PRORATED GAS)
RON	BLANCO MESAVERDE (PRORATED GAS)

Location: Surface					Straight Hole	
Latitude: 36.84	Longitude: -107.51	X:	Y:	Section: 1	Range: 7W	
Footage X: 660 FEL	Footage Y: 915 FSL	Elevation: 6321	(FT)	Township: 30N		
Tolerance:						

Location Type: Summer Only	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6334 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SURFACE CSG	213	6121	<input type="checkbox"/>			12-1/4 hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.
NCMT	1146	5188	<input type="checkbox"/>			
OJAM	2159	4175	<input type="checkbox"/>			Possible water flows.
KRLD	2334	4000	<input type="checkbox"/>			
FRLD	2899	3435	<input type="checkbox"/>			Possible gas.
PCCF	3254	3080	<input type="checkbox"/>			
LEWS	3454	2880	<input type="checkbox"/>			
Intermediate Casing	3554	2780	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	4344	1990	<input type="checkbox"/>			
CLFH	5144	1190	<input type="checkbox"/>			Gas; possibly wet
MENF	5194	1140	<input type="checkbox"/>			Gas.
PTLK	5474	860	<input type="checkbox"/>			Gas.
MNCS	5724	610	<input type="checkbox"/>			
GLLP	5854	480	<input type="checkbox"/>			Gas. Possibly wet.
GRHN	7509	-1175	<input type="checkbox"/>			Gas possible, highly fractured
CBBO	7694	-1360	<input type="checkbox"/>			Gas
Total Depth	7859	-1525	<input type="checkbox"/>			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:**

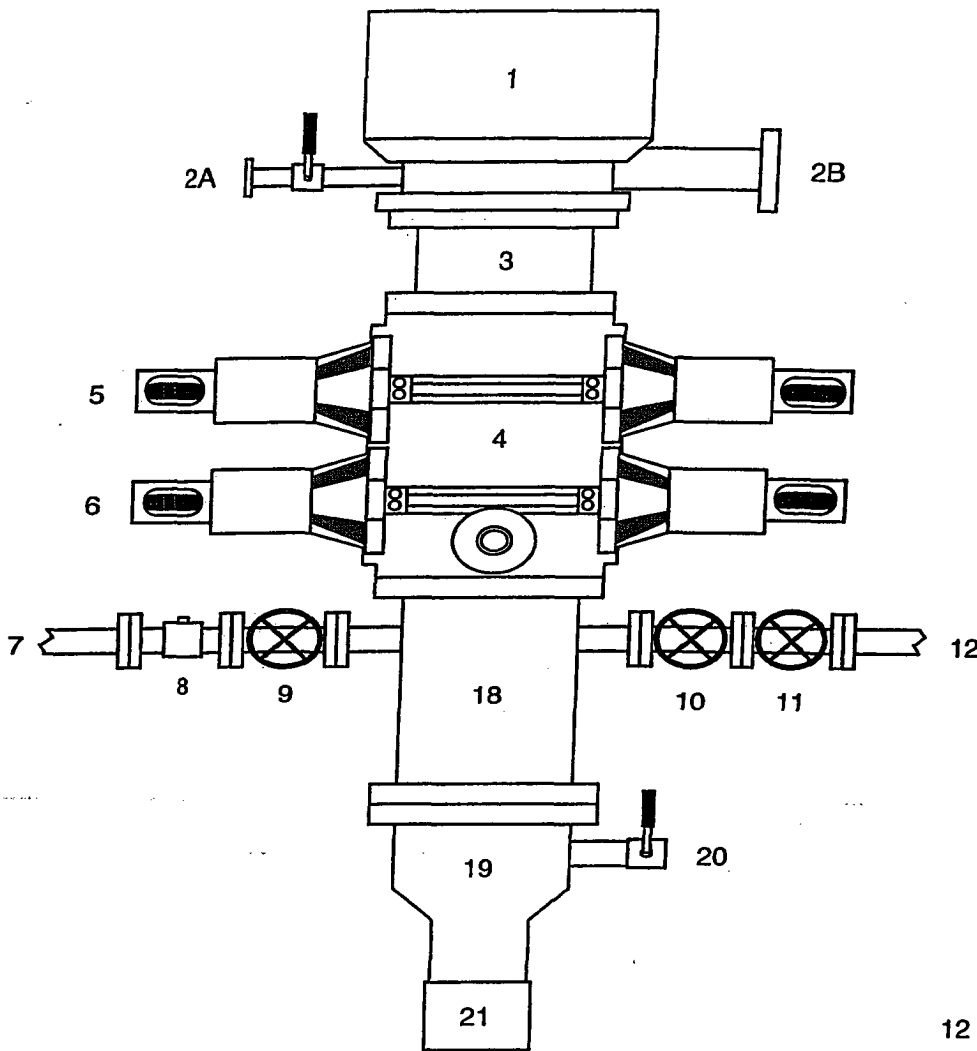
Reference Type	Well Name	Comments

**Logging Program:**

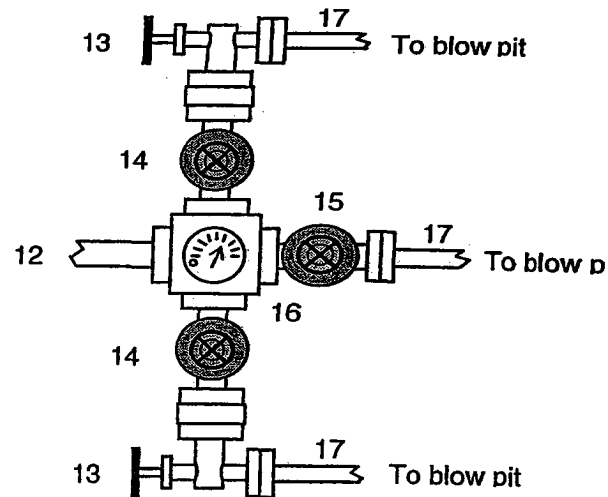
Intermediate Logs:  Log only if show  GR/ILD  Triple Combo

TD Logs:  Triple Combo  Dipmeter  RFT  Sonic  VSP  TDT

**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

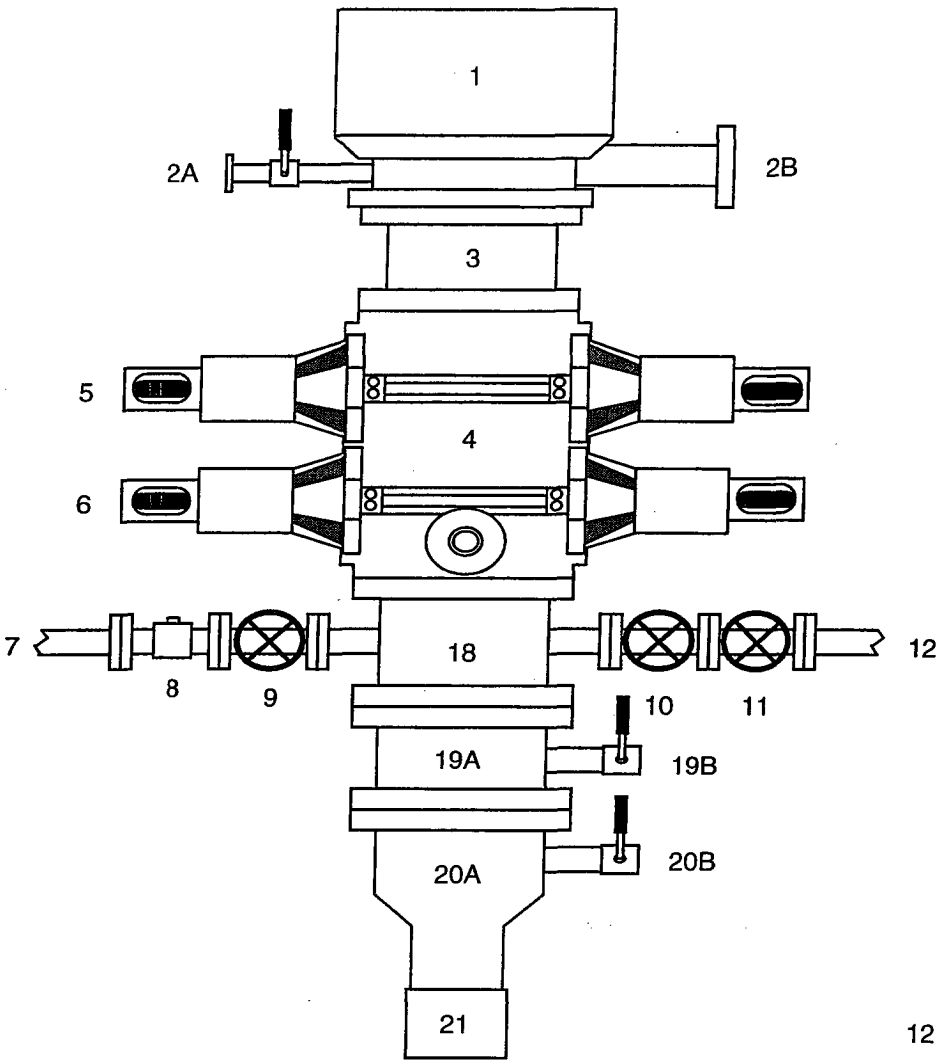


A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe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

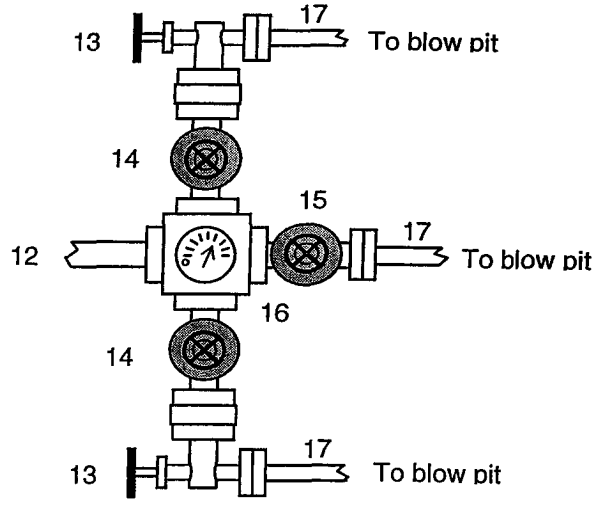
In addition to the equipment in the above diagram the following equipment will comprise the BOP system:

1. Upper Kelly cock Valve with handle

**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

**Property :** San Juan 31-6 Unit **Well #:** 7F

**Surface Location:**

**Unit:** P **Section:** 1 **Township:** 30N **Range:** 7W

**County:** Rio Arriba **State:** New Mexico

**Footage:** 915 **from the** South **line,** 660 **from the** East **line.**

**CATHODIC PROTECTION**

ConocoPhillips (COP) proposes to drill a cathodic protection deep well groundbed for the subject well. COP will drill a hole vertically at the surface large enough to accommodate 20 feet of 8 inch diameter PVC pipe for surface casing to assist in further drilling and loading. Casing may be cemented in place for stability if needed. COP will drill a 6-7/8" hole to an anticipated minimum depth of 300' (maximum depth of 500'). Cement plugs will not be used unless more than one water zone is encountered. Prior drilling history for the area indicates only one zone to that depth. If more than one water zone is encountered, notification will be made and details of cement and casing will be provided.

All drilling activity will remain on the existing well pad and a Farmington based company will be doing the drilling for ConocoPhillips.