

Fonn 3160-3  
(February 2005)



2006 APR 12 AM 9 23

RECEIVED

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
NM-080162

6. If Indian, Allottee or Tribe Name

1a. Type of work:  DRILL  REENTER

7. If Unit or CA Agreement, Name and No.  
NMNM-078415A-MV

1b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

8. Lease Name and Well No.  
SAN JUAN 29-5 UNIT #39A

2. Name of Operator  
ConocoPhillips Company

9. API Well No.  
30-039-29875

3a. Address  
4001 Penbrook, Odessa, TX 79762

3b. Phone No. (include area code)  
432-368-1230

10. Field and Pool, or Exploratory  
BLANCO MESAVERDE

4. Location of Well (Report location clearly and in accordance with any State requirements, \*)  
At surface SWNW 1845 FNL - 60 FWL  
At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area  
SECTION 23, T29N, R5W NMPM  
E

14. Distance in miles and direction from nearest town or post office\*

12. County or Parish  
RIO ARRIBA

13. State  
NM

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  
320 ACRES

17. Spacing Unit dedicated to this well  
320.0 ACRES - W/2

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.

19. Proposed Depth  
6293'

20. BLM/BIA Bond No. on file

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
6802' 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.
- 2. A Drilling Plan.
- 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).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification
- 6. Such other site specific information and/or plans as may be required by the BLM~

25. Signature *Peggy James* Name (Printed/Typed) Peggy James Date 04/11/2006

Title Senior Associate

Approved by (Signature) *[Signature]* Name (Printed/Typed) Date 6/15/06

Title AFM Office FPO

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)

PA

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



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

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

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

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

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

2005 APR 12 AM 9 23 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-29875	*Pool Code 72319	*Pool Name BLANCO MESAVERDE
*Property Code 31325	*Property Name SAN JUAN 29-5 UNIT	
*Well Number 39A		
*OGRID No. 217817	*Operator Name CONOCOPHILLIPS COMPANY	*Elevation 6802'

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
E	23	29N	5W		1845	NORTH	60	WEST	RIO ARRIBA

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 320.0 Acres - W/2	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

16

5268.12'

23

5270.76'

LEASE  
NM-080162

LAT: 36°42.7890' N  
LONG: 107°20.0993' W  
DATUM: NAD27

60'

5280.00'

17 OPERATOR CERTIFICATION

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

*Virgil E. Chavez*

Signature  
Virgil E. Chavez

Printed Name  
Projects & Operations Lead

Title  
December 21, 2005

Date

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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: AUGUST 10, 2005

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

Fonn C- 1 03  
 May 27, 2004

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

WELL API NO. <u>30-039-29875</u>
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 29-5 UNIT
8. Well Number 39A
9. OGRID Number 217817
10. Pool name or Wildcat BLANCO MESAVERDE

**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 E 1845 feet from the NORTH line and 60 feet from the WEST line  
 Section E Township 29N Range 5W NMPM RIO ARRIBA County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6802' GL

Pit or Below-grade Tank Application  Closure

Pit type DRILL Depth to Groundwater 55' Distance from nearest fresh water well 9377' Distance from nearest surface water 245'

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <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 1103. 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 Senior Associate DATE 04/11/2006

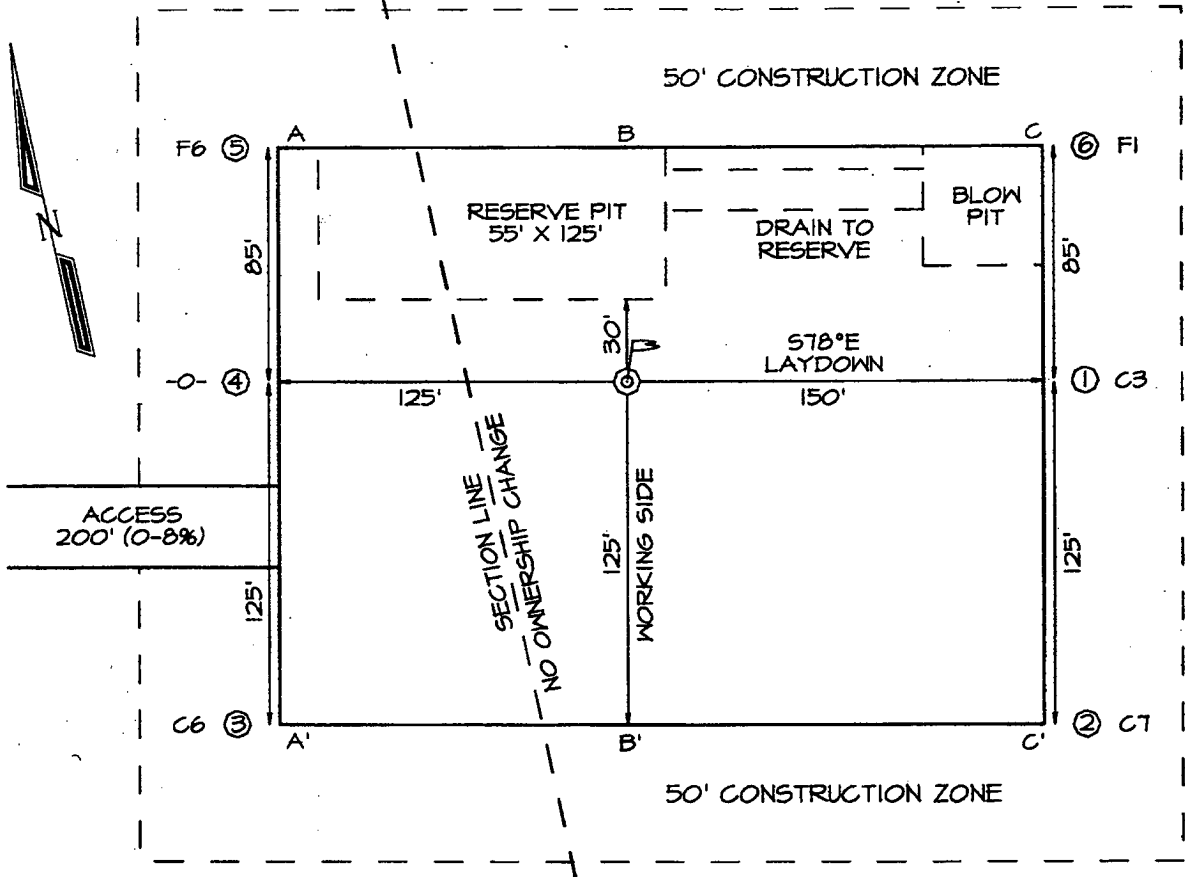
Type or print name \_\_\_\_\_ E-mail address peggy.s.james@conocophillips.com Telephone No.: (432)368-1230

**For State Use Only**

APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. # DATE JUN 19 2006  
 Conditions of Approval (if any): \_\_\_\_\_

**CONOCOPHILLIPS COMPANY SAN JUAN 29-5 UNIT #39A**  
**1845' FNL & 60' FWL, SECTION 23, T29N, R5W, NMPM**  
**RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6802'**

**LATITUDE: 36.71315° N**  
**LONGITUDE: 107.33499° W**  
 DATUM: NAD1927



PLAT NOTE:  
 \*SURFACE OWNER\*  
 FEE: Juan Talamante

A-A'					
6812'					
6802'					
6792'					

B-B'					
6812'					
6802'					
6792'					

C-C'					
6812'					
6802'					
6792'					

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-5 39A

Lease:	AFE #: WAN.CNV.6166			AFE \$:
Field Name: 29-5	Rig:	State: NM	County: RIO ARRIBA	API #:
Geoscientist: Glaser, Terry J	Phone: (832)486-2332	Prod. Engineer: Moody, Craig E.	Phone: 486-2334	
Res. Engineer: Johnson, Tom B.	Phone: (832)-486-2347	Proj. Field Lead: Fransen, Eric E.	Phone:	

**Primary Objective (Zones):**

Zone	Zone Name
R20002	MESAVERDE(R20002)

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

Latitude: 36.713150	Longitude: -107.334990	X: 0.00	Y: 0.00	Section: 23	Range: 5W
Footage X: 60 FWL	Footage Y: 1845 FNL	Elevation: 6802 (FT)	Township: 29N		

Tolerance:

Location Type: Summer Only	Start Date (Est.):	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6818 Units = FT

Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	500	6318	<input type="checkbox"/>			13 1/2" hole. 9 5/8" 32.3 ppf, H-40, STC casing. Circulate cement to surface.
NCMT	1568	5250	<input type="checkbox"/>			
CJAM	3018	3800	<input type="checkbox"/>			Possible water flows.
KRLD	3158	3660	<input type="checkbox"/>			
FRLD	3488	3330	<input type="checkbox"/>			Possible gas.
PCCF	3758	3060	<input type="checkbox"/>			
LEWS	3958	2860	<input type="checkbox"/>			
Intermediate Casing	4058	2760	<input type="checkbox"/>			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Circulate cement to surface.
CHRA	4758	2060	<input type="checkbox"/>			
CLFH	5628	1190	<input type="checkbox"/>			Gas; possibly wet
MENF	5678	1140	<input type="checkbox"/>			Gas.
PTLK	5943	875	<input type="checkbox"/>			Gas.
MNCS	6193	625	<input type="checkbox"/>			
TOTAL DEPTH MV	6293	525	<input type="checkbox"/>			6-1/4" Hole. 4-1/2", 10.5 ppf, J-55, STC 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
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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	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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# San Juan 29-5 #39A

## APD Cement Calculations

**HOLE:** 13.5"  
**CSG OD:** 9.625"  
**CSG ID:** 9.001"  
**WGT:** 32.3 ppg  
**GRADE:** H-40  
**EXCESS:** 125 %  
**DEPTH:** 500'

**HOLE:** 8.75"  
**CSG OD:** 7"  
**CSG ID:** 6.456"  
**WGT:** 20 ppg  
**GRADE:** J-55  
**EXCESS:** 150 %

**TAIL:** 811.6'  
**DEPTH:** 4058'

**HOLE:** 6.25"  
**CSG OD:** 4.5"  
**CSG ID:** 4.052"  
**WGT:** 10.5 ppg  
**GRADE:** J-55  
**EXCESS:** 50 %  
**DEPTH:** 6293'

**SURFACE:**  
 Option 1  
**471 sx**  
 98.1 bbls  
 551.0 cuft  
 1.17 ft<sup>3</sup>/sx  
 15.8 ppg  
 4.973 gal/sx  
 Class G Cement  
 + 3% S001 Calcium Chloride  
 + 0.25 lb/sx D029 Cellophane Flakes

**INTERMEDIATE LEAD:**  
 Option 1  
**412 sx**  
 199.5 bbls  
 1119.9 cuft  
 2.72 ft<sup>3</sup>/sx  
 11.7 ppg  
 15.74 gal/sx  
 Class G Cement  
 + 3% D079 Extender  
 + 0.20% D046 Antifoam  
 + 10 lb/sx Phenoseal

**INTERMEDIATE TAIL:**  
 Option 1  
**240 sx**  
 56.0 bbls  
 314.7 cuft  
 1.31 ft<sup>3</sup>/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 Antifoamer  
 + 6 lb/sx Phenoseal

**PRODUCTION:**  
 Option 1  
**255 sx**  
 65.5 bbls  
 367.5 cuft  
 1.44 ft<sup>3</sup>/sx  
 13.0 ppg  
 6.47 gal/sx  
 50/50 Poz: Class G Cement  
 + 0.25 lb/sx D029 Cellophane Flakes  
 + 3% D020 Bentonite  
 + 1.0 lb/sx D024 Gilsonite Extender  
 + 0.25% D167 Fluid Loss  
 + 0.25% D065 Dispersant  
 + 0.1% D800 Retarder  
 + 0.1% D046 Antifoamer  
 + 3.5 lb/sx Phenoseal

Option 2  
**455 sx**  
 98.1 bbls  
 551.0 cuft  
 1.21 ft<sup>3</sup>/sx  
 15.6 ppg  
 5.29 gal/sx  
 Standard Cement  
 + 3% Calcium Chloride  
 + 0.25 lb/sx Flocele

Option 2  
**431 sx**  
 199.5 bbls  
 1119.9 cuft  
 2.60 ft<sup>3</sup>/sx  
 11.5 ppg  
 14.62 gal/sx  
 Type III Ashgrove Cement  
 + 30 lb/sx San Juan Poz  
 + 3% Bentonite  
 + 5.0 lb/sx Phenoseal

Option 2  
**237 sx**  
 56.0 bbls  
 314.7 cuft  
 1.33 ft<sup>3</sup>/sx  
 13.5 ppg  
 5.52 gal/sx  
 50/50 Poz: Standard Cement  
 + 2% Bentonite  
 + 6.0 lb/sx Phenoseal

Option 2  
**253 sx**  
 65.5 bbls  
 367.5 cuft  
 1.45 ft<sup>3</sup>/sx  
 13.1 ppg  
 6.55 gal/sx  
 50/50 Poz: Standard Cement  
 + 3% Bentonite  
 + 0.2% CFR-3 Friction Reducer  
 + 0.1% HR-5 Retarder  
 + 0.8% Haled-9 Fluid Loss Additive  
 + 3.5 lb/sx Phenoseal

Option 2  
**426 sx**  
 199.5 bbls  
 1119.9 cuft  
 2.63 ft<sup>3</sup>/sx  
 11.7 ppg  
 15.92 gal/sx  
 Class G Cement  
 + 3% D079 Extender  
 + 0.20% D046 Antifoam  
 + 1.0 lb/bbl CemNet

Option 3  
**426 sx**  
 199.5 bbls  
 1119.9 cuft  
 2.63 ft<sup>3</sup>/sx  
 11.7 ppg  
 15.92 gal/sx  
 Class G Cement  
 + 3% D079 Extender  
 + 0.20% D046 Antifoam  
 + 1.0 lb/bbl CemNet

Option 3  
**246 sx**  
 56.0 bbls  
 314.7 cuft  
 1.28 ft<sup>3</sup>/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 Antifoamer  
 + 0.15% D065 Dispersant  
 + 1.0 lb/bbl CemNet

Option 3  
**246 sx**  
 56.0 bbls  
 314.7 cuft  
 1.28 ft<sup>3</sup>/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 Antifoamer  
 + 0.15% D065 Dispersant  
 + 1.0 lb/bbl CemNet

# San Juan 29-5 #39A

## SURFACE:

HOLE: 13.5 "  
CSG OD: 9.625 "  
CSG ID: 9.001 "  
WGT: 32.3 ppf  
GRADE: H-40  
EXCESS: 125 %

DEPTH: **500**

## INTERMEDIATE LEAD:

### Option 4

389 sx  
199.5 bbls  
1119.9 cuft  
2.88 ft<sup>3</sup>/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: 8.75 "  
CSG OD: 7 "  
CSG ID: 6.456 "  
WGT: 20 ppf  
GRADE: J-55  
EXCESS: 150 %

TAIL: **811.6**

DEPTH: **4059**

### Option 5

533 sx  
199.5 bbls  
1119.9 cuft  
2.10 ft<sup>3</sup>/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

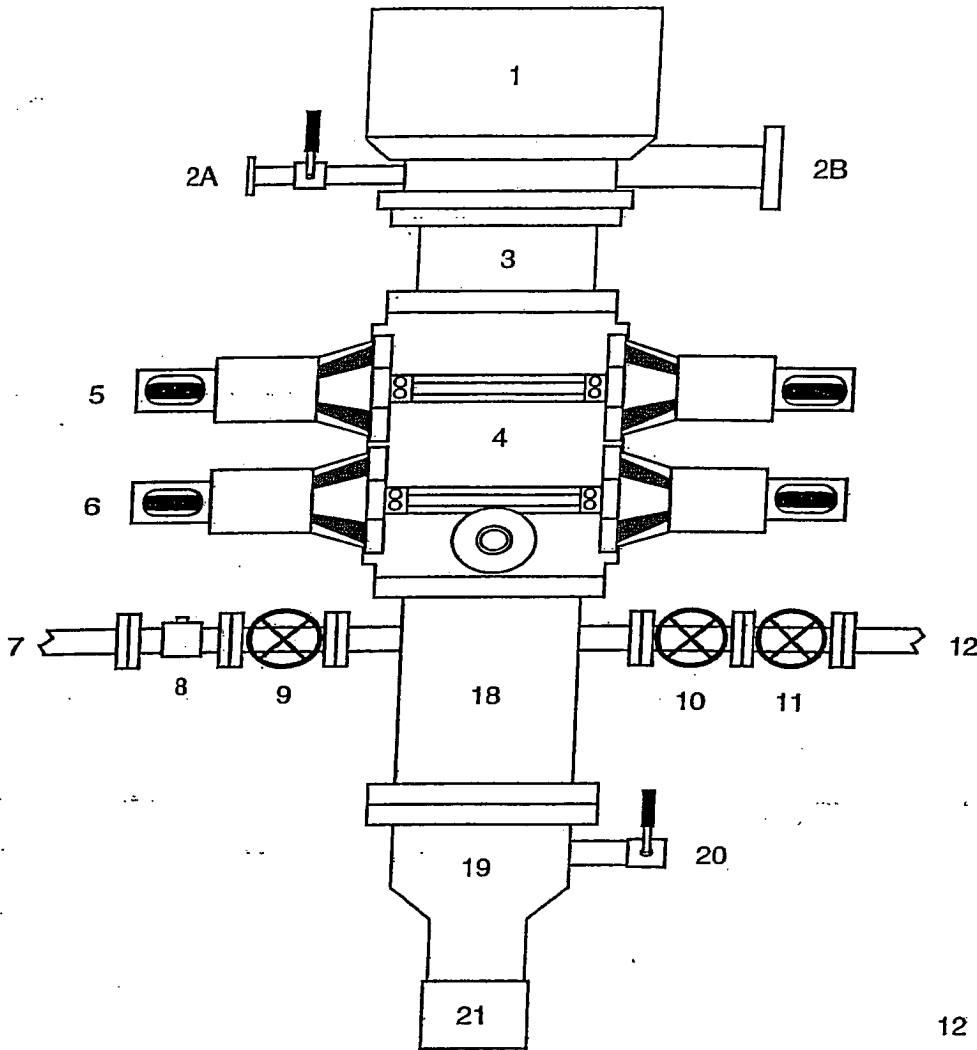
## INTERMEDIATE TAIL:

## PRODUCTION:

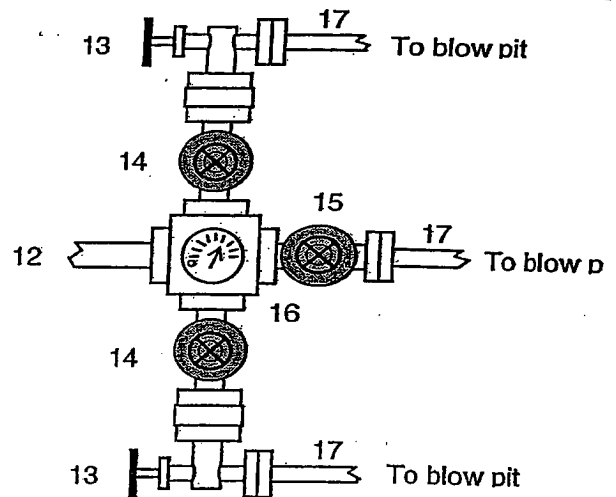
HOLE: 6.25 "  
CSG OD: 4.5 "  
CSG ID: 4.062 "  
WGT: 10.5 ppf  
GRADE: J-55  
EXCESS: 50 %

DEPTH: **6293**

**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



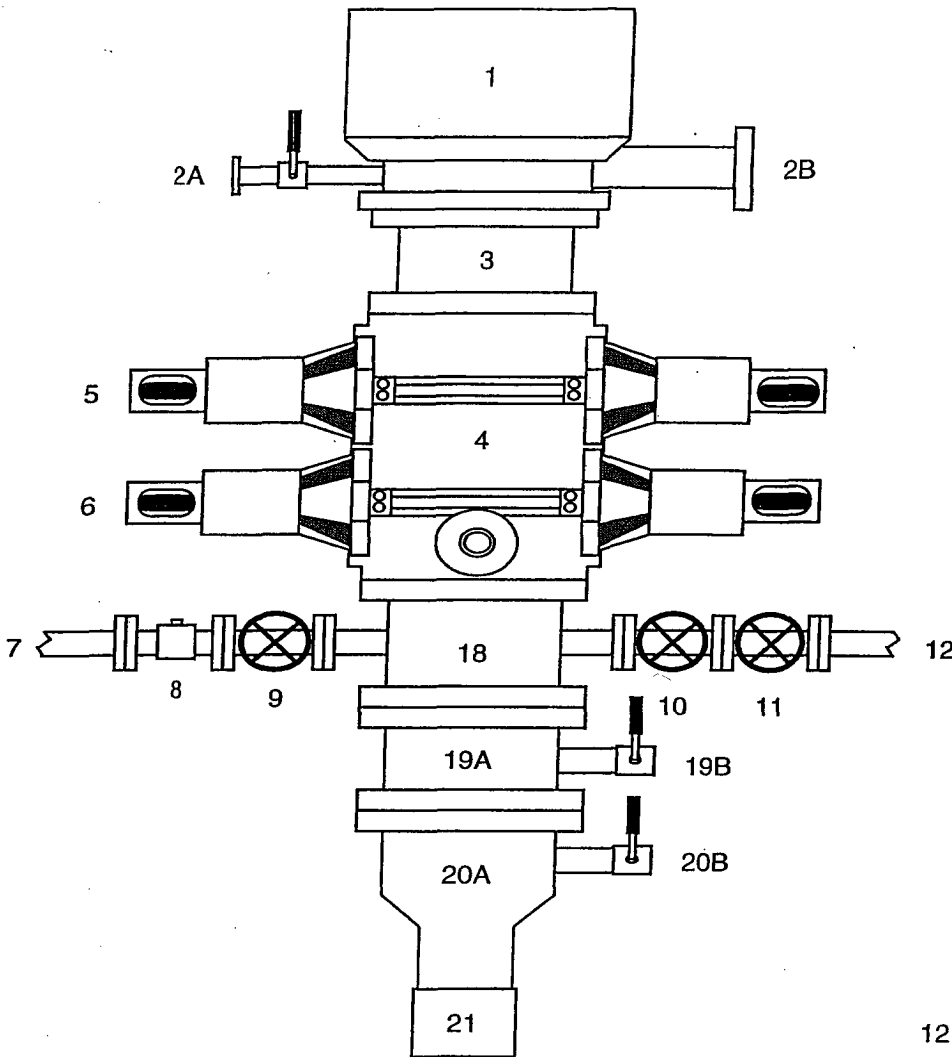
A 12-1/4" hole will be drilled to approximately 220' and the 9-5/8" surface casing will be run and cemented. The Casing Head "A" Section will be screwed onto the 9-5/8" surface casing stub. The BOP will be installed on the Casing Head "A" Section. A test plug will be set in the wellhead and the pipe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

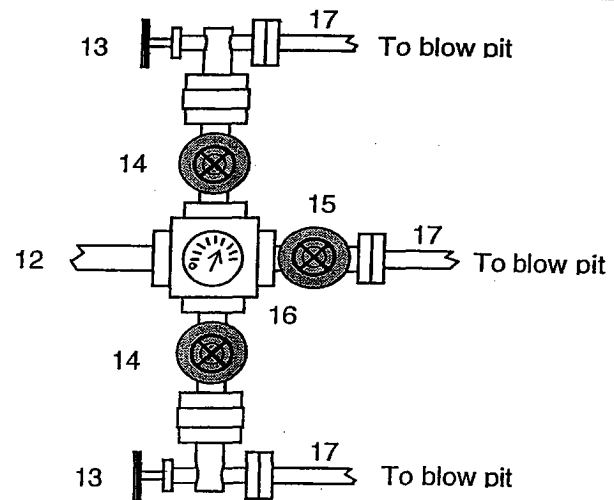


## BLOWOUT PREVENTER ARRANGEMENT & PROGRAM

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 29-5 UNIT **Well #:** 39A

**Surface Location:**

**Unit:** E **Section:** 23 **Township:** 29N **Range:** 5W

**County:** RIO ARRIBA **State:** New Mexico

**Footage:** 1845 **from the** NORTH **line,** 60 **from the** WEST **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.