

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
Revised March 17, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies
AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address BP America Production Company P. O. Box 3092 Houston, Texas 77253		² OGRID Number 000778
³ Property Code 000986	⁵ Property Name Ridenour Gas Com	⁶ Well No. 1M

⁷ Surface Location									
UL or lot no. G	Section 13	Township 31N	Range 11W	Lot Idn	Feet from the 2455	North/South line North	Feet from the 1480	East/West line East	County San Juan

⁸ Proposed 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
⁹ Proposed Pool 1 Basin Dakota					¹⁰ Proposed Pool 2 Blanco Mesaverde				

¹¹ Work Type Code N - New Drill	¹² Well Type Code Gas	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code Fee	¹⁵ Ground Level Elevation 5771'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 7007'	¹⁸ Formation Dakota/Mesaverde	¹⁹ Contractor Aztec	²⁰ Spud Date 01/05/2003

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	9 5/8"	32.5#	120'	100 SXS CLS G	Surface
8 3/4"	7"	20#	2792'	320 SXS CLS G	Surface
6 1/4"	4 1/2"	11.5#	7007'	290 SXS Litecrete	to 2692'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.

Describe the blowout prevention program, if any. Use additional sheets if necessary.

SUBJECT WELL WAS ORIGINALLY STAKED 2045' FNL & 2120' FEL SECTION 13, T31N, R11W AND PERMITTED ON AUGUST 31, 1999 AS WELL #3B - TO BE A SINGLE COMPLETION INTO THE BLANCO MESAVERDE POOL. PERMIT WAS SUBSEQUENTLY CANCELLED ON SEPTEMBER 1, 2000. ORIGINAL API NUMBER: 30-045-29978.

THE WELL LOCATION HAS BEEN AMENDED TO 2455' FNL & 1480' FEL SECTION 13, T31N, R11W.

(CONTINUED ON REVERSE SIDE)

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Mary Corley

Printed name: **Mary Corley**

Title: **Sr. Regulatory Analyst**

Date: **08-19-2002**

Phone: **281-366-4491**

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: **SEP - 9 2002**

Expiration Date: **SEP - 9 2003**

Conditions of Approval:

Attached ☐

DHC application must be made on Form C103 after C-101 approval

BP America Production Company respectfully request permission to drill the subject well to a total depth of approximately 7607', complete in the Basin Dakota Pool, produce the well for approximately 30 days to establish production rate, isolated the Dakota, add a completion into the Blanco Mesaverde Pool and commingle production downhole.

The Basin Dakota (71599) & the Blanco Mesaverde (72319) Pools are Pre-Approved for Downhole Commingling per NMOCD Order R - 11363. The working and overriding royalty interest owners in the proposed commingled pools are identical, therefore no further notification of this application is required.

Production is proposed to be allocated based on a fixed percentage. We will perform a deliverability test on the Dakota, isolate the zone and complete into the Mesaverde. The deliverability test will be performed on the combined zones and Dakota rate will be subtracted from the total well stream to establish the Mesaverde rate.

Commingling Production Downhole in the subject well from the proposed pools will not reduce the value of the total remaining production.

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
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
		71599 : 72319	BASIN DAKOTA : BLANCO NESE VERDE
⁴ Property Code	⁵ Property Name		⁶ Well Number
000986	Ridenour Gas Com		1M #111
⁷ OGRID No.	⁸ Operator Name		⁹ Elevation
000778	BP AMERICA PRODUCTION COMPANY		5771

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
G	13	31 N	11 W		2455	NORTH	1480	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

¹² UL or lot no.	¹³ Section	¹⁴ Township	¹⁵ Range	¹⁶ Lot Idn	¹⁷ Feet from the	¹⁸ North/South line	¹⁹ Feet from the	²⁰ East/West line	²¹ County
²² Dedicated Acres		²³ Joint or Infill		²⁴ Consolidation Code		²⁵ Order No.			
320									

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: <u>Mary Corley</u> Printed Name: <u>MARY CORLEY</u> Title: <u>SR Regulatory Analyst</u> Date: <u>08-19-2002</u>
	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: <u>July 26, 2002</u> Signature and Seal of Professional Surveyor: Certificate Number: <u>7016</u>

**BP AMERICA PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

Prospect Name: Ridenour GC
Lease: Ridenour GC
County: San Juan
State: New Mexico
Date: July 26, 2002

Well No: 1M
Surface Location: 13-31N-11W, 2435 FNL, 1480 FEL
Field: Blanco Mesaverde/Basin Dakota

OBJECTIVE: Drill 50' below the base of the Lower Cubero, set 4 1/2" production casing, Stimulate CH, MF, PL and DK intervals

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING	Estimated GL: 5771		Estimated KB: 5785	
Rotary	0 - TD				
LOG PROGRAM		MARKER		SUBSEA	MEAS. DEPTH
TYPE	DEPTH INVERAL	Ojo Alamo		4615	1170
<u>OPEN HOLE</u>		Kirtland		4458	1327
GR-Induction	TD to 7" shoe	Fruitland		3918	1867
Density/Neutron	TD to 7" shoe	Fruitland Coal	*	3698	2087
<u>CASED HOLE</u>		Pictured Cliffs	*	3305	2480
GR-CCL-TDT	TDT - TD to 7" shoe	Lewis Shale	#	3093	2692
CBL	Identify 4 1/2" cement top	Cliff House	#	1836	3949
		Menefee Shale	#	1504	4281
		Point Lookout	#	1083	4702
		Mancos		772	5013
		Greenhorn		-937	6722
		Bentonite Marker		-989	6774
REMARKS:		Two Wells	#	-1051	6836
- Please report any flares (magnitude & duration).		Paguate	#	-1311	6916
		Upper Cubero	*	-1163	6948
		Lower Cubero	*	-1172	6957
		TOTAL DEPTH		-1222	7007
		# Probable completion interval		* Possible Pay	
SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE		FREQUENCY	DEPTH	FREQUENCY	DEPTH
None		none	Production hole	Geolograph	0-TD
REMARKS:					

MUD PROGRAM:

Approx. Interval	Type Mud	Weight, #/ga	Vis, sec/qt	W/L cc's/30 min	Other Specification
0 - 120	Spud	8.6-9.2			
120 - 2792 (1)	Water/LSND	8.6-9.2		<6	
2792 - 7007	Gas/Air/N2/Mist	Volume sufficient to maintain a stable and clean wellbore			

REMARKS:

(1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.

CASING PROGRAM: (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)

Casing String	Estimated Depth	Casing Size	Grade	Weight	Hole Size	Landing Pt, Cmt, Etc.
Surface/Conductor	120	9 5/8"	H-40 ST&C	32#	12.25"	1
Intermediate	2792	7"	J/K-55 ST&C	20#	8.75"	1,2
Production	7007	4 1/2"	J-55	11.6#	6.25"	3

REMARKS:

- (1) Circulate Cement to Surface
- (2) Set casing 100' into Lewis Shale
- (3) Bring cement 100' above 7" shoe

CORING PROGRAM:

None

COMPLETION PROGRAM:

Rigless, 4-6 Stage Limited Entry Hydraulic Frac

GENERAL REMARKS:

Notify BLM/NMOCDD 24 hours prior to Spud, BOP testing, and Casing and Cementing.

Form 46 Reviewed by: _____ Logging program reviewed by: N/A

PREPARED BY:

HGJ/MNP

APPROVED:

DATE:

26th July 2002
Version 1.0

Form 46 12-00 MNP

BP America Production Company

BOP Pressure Testing Requirements

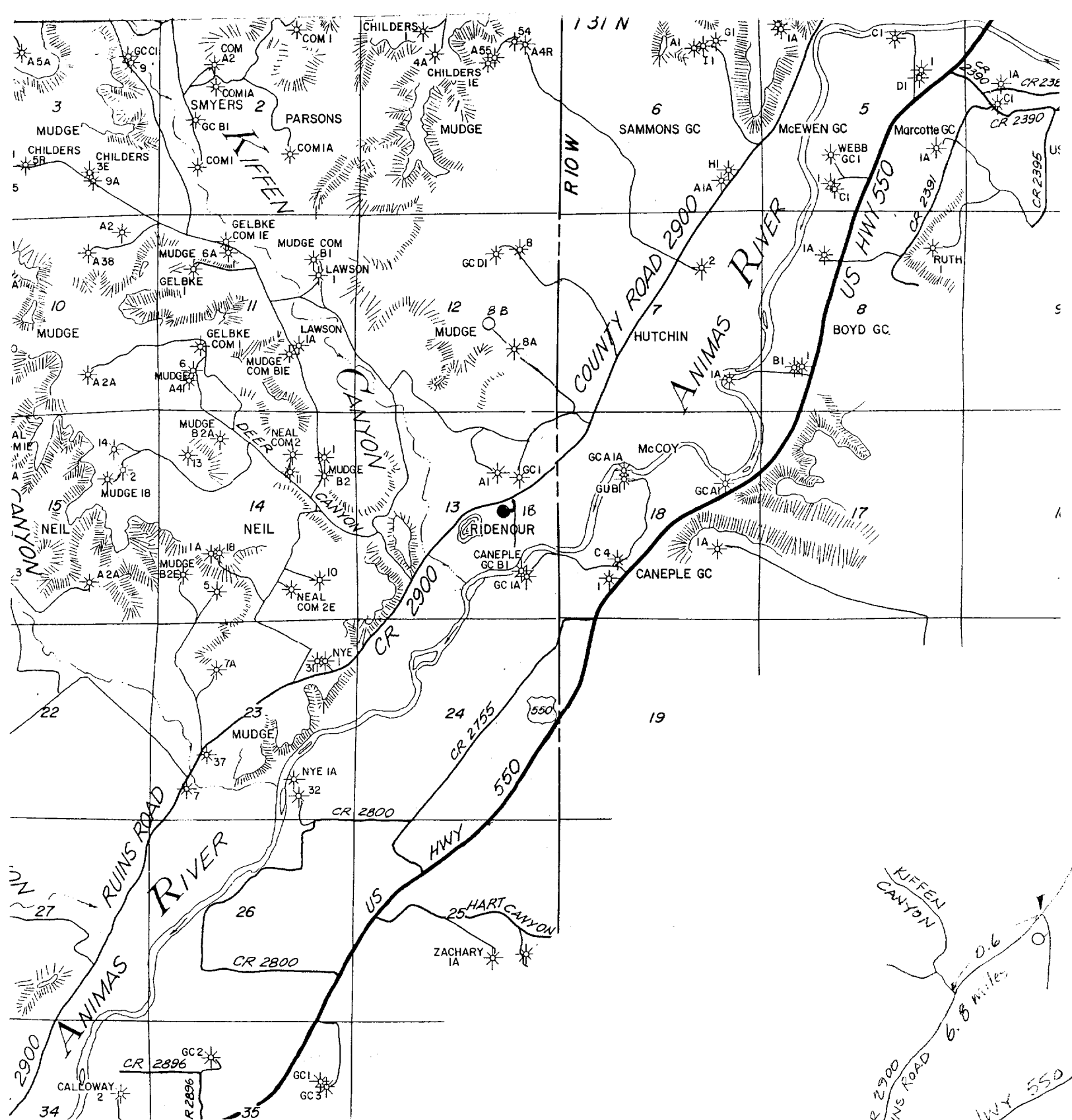
Well Name: Ridenour GC
County: San Juan

1M
State: New Mexico

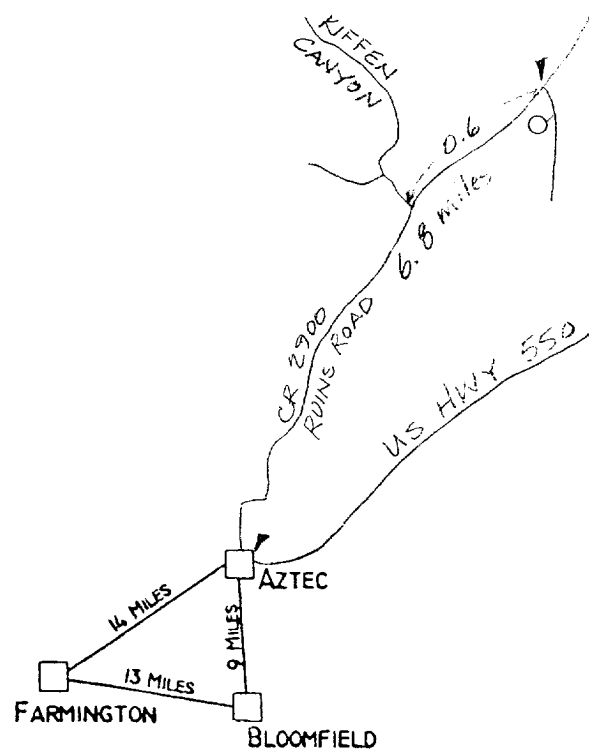
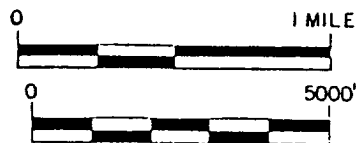
Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1170		
Kirtland	1327		
Fruitland Coal	2087		
PC	2480		
Lewis Shale	2692		
Cliff House	3949	500	0
Menefee Shale	4281		
Point Lookout	4702	600	0
Mancos	5013		
Dakota	6916	2600	1391

** Note: Determined using the following formula: $ABHP - (.22 \times TVD) = ASP$

Requested BOP Pressure Test Exception: 1500 psi



LAT: 36°53.9'
LONG: 107°56.3'
 BP AMERICA PRODUCTION COMPANY
Ridenour Gas Com #1B
 NE 1/4 Sec. 13, T31N, R11W, NMPM
 RAIL POINT:
 MUD POINT:
 CEMENT POINT:

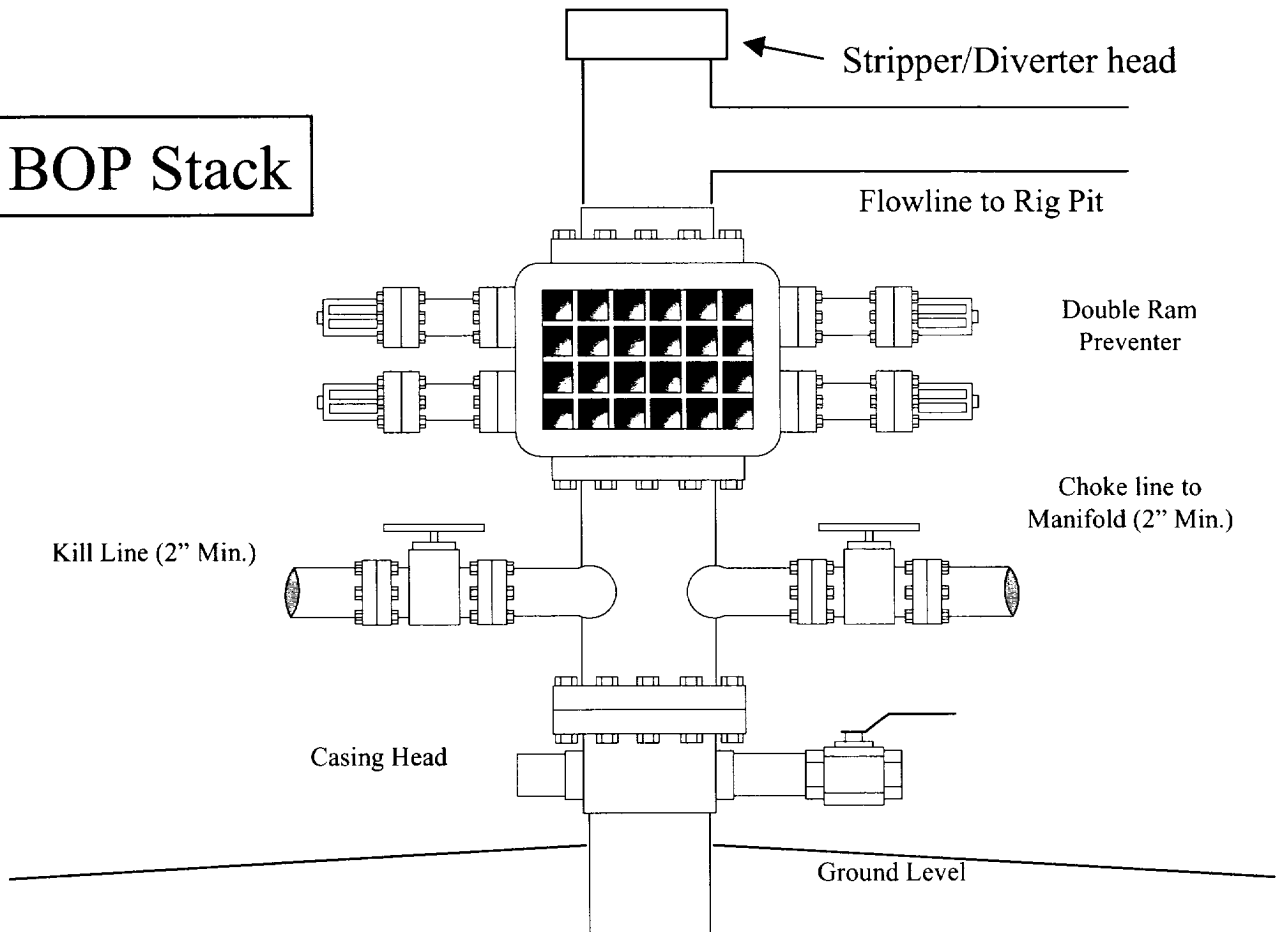


BP American Production Company

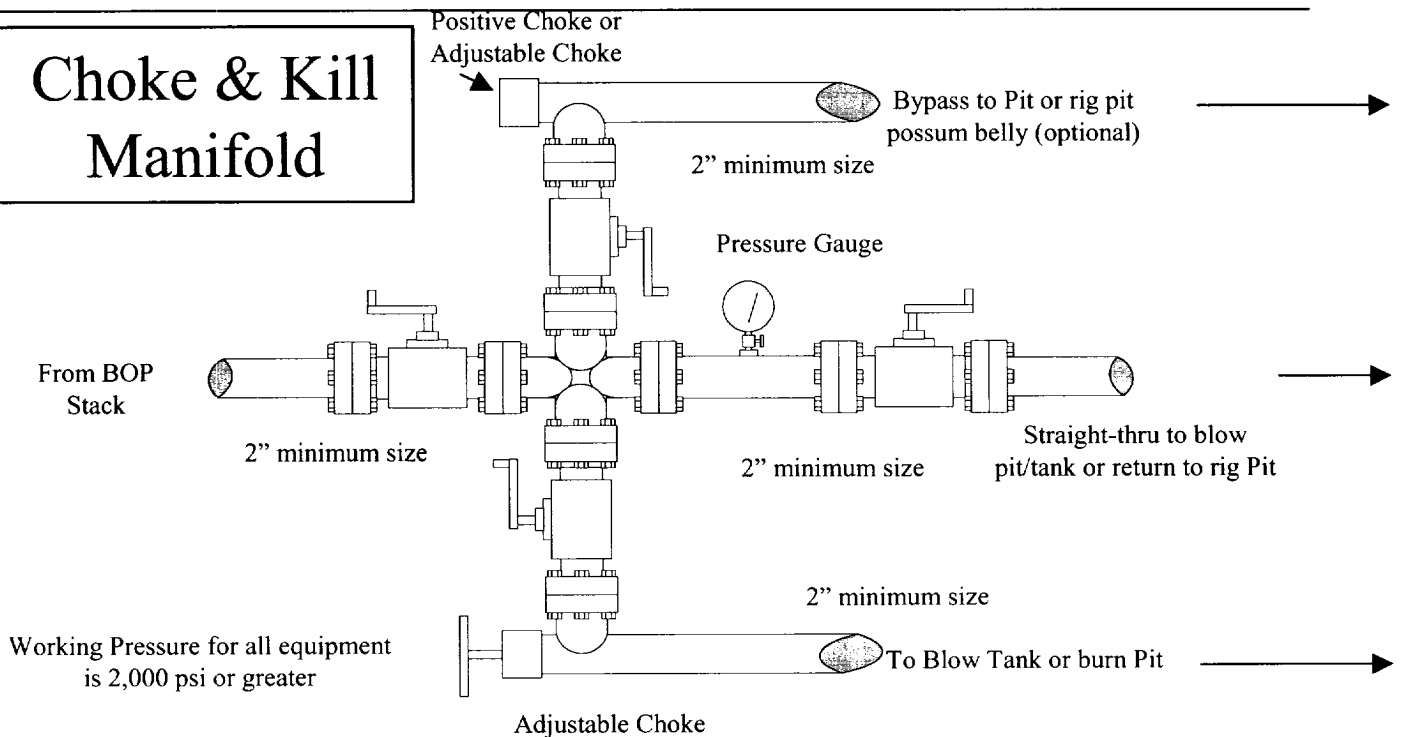
Well Control Equipment Schematic



BOP Stack



Choke & Kill Manifold



C103

Move

2045/N 2120/E

directional drill. Bottom Hole.

2435/N 1480/E

Mary

Mary Colley asked
for a Sunday on
this well - Moved location
2045/N. 2120/E
Can't find.