

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. NMSF - 080597	
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 BP AMERICA PRODUCTION COMPANY		7. If Unit or CA Agreement, Name and No.	
Contact: MARY CORLEY E-Mail: corleym@bp.com		8. Lease Name and Well No. GARTNER A 1B	
3a. Address P.O. BOX 3092 HOUSTON, TX 77253	3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0700	9. API Well No. 30-045-31045	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWNW Lot E 1450FNL 1020FWL 36.47100 N Lat, 107.41300 W Lon At proposed prod. zone SWNW Lot E 1450FNL 700FWL 36.47100 N Lat, 107.41300 W Lon		10. Field and Pool, or Exploratory BLANCO MESAVERDE	
14. Distance in miles and direction from nearest town or post office* 22 MILES FROM BLOOMFIELD, NEW MEXICO		11. Sec., T., R., M., or Blk. and Survey or Area E Sec 28 T30N R8W Mer NMP	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1020	16. No. of Acres in Lease 320.00	12. County or Parish SAN JUAN	13. State NM
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 5811 MD 5608 TVD	17. Spacing Unit dedicated to this well 320.00 W/2	
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6196 GL	22. Approximate date work will start 04/15/2002	20. BLM/BIA Bond No. on file	
23. Estimated duration 6 DAYS			
This action is subject to technical and procedural review pursuant to 43 CFR 3165.3, and appeal pursuant to 43 CFR 3165.4.			
24. Attachments		DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	
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) MARY CORLEY	Date 03/18/2002	
Title AUTHORIZED REPRESENTATIVE			
Approved by (Signature)	Name (Printed/Typed)	Date 5-10-2	
Title		Office	

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 #10805 verified by the BLM Well Information System
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

HOLD C104 FOR

NMOCD

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

Energy, Minerals & Natural Resources Department

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

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 30-045-3045		2 Pool Code 72319		3 Pool Name BIANCO MESA VERDE	
4 Property Code 000589		5 Property Name GARTNER A			6 Well Number # 1B
7 OGRID No. 000778		8 Operator Name BP AMERICA PRODUCTION COMPANY			9 Elevation 6196

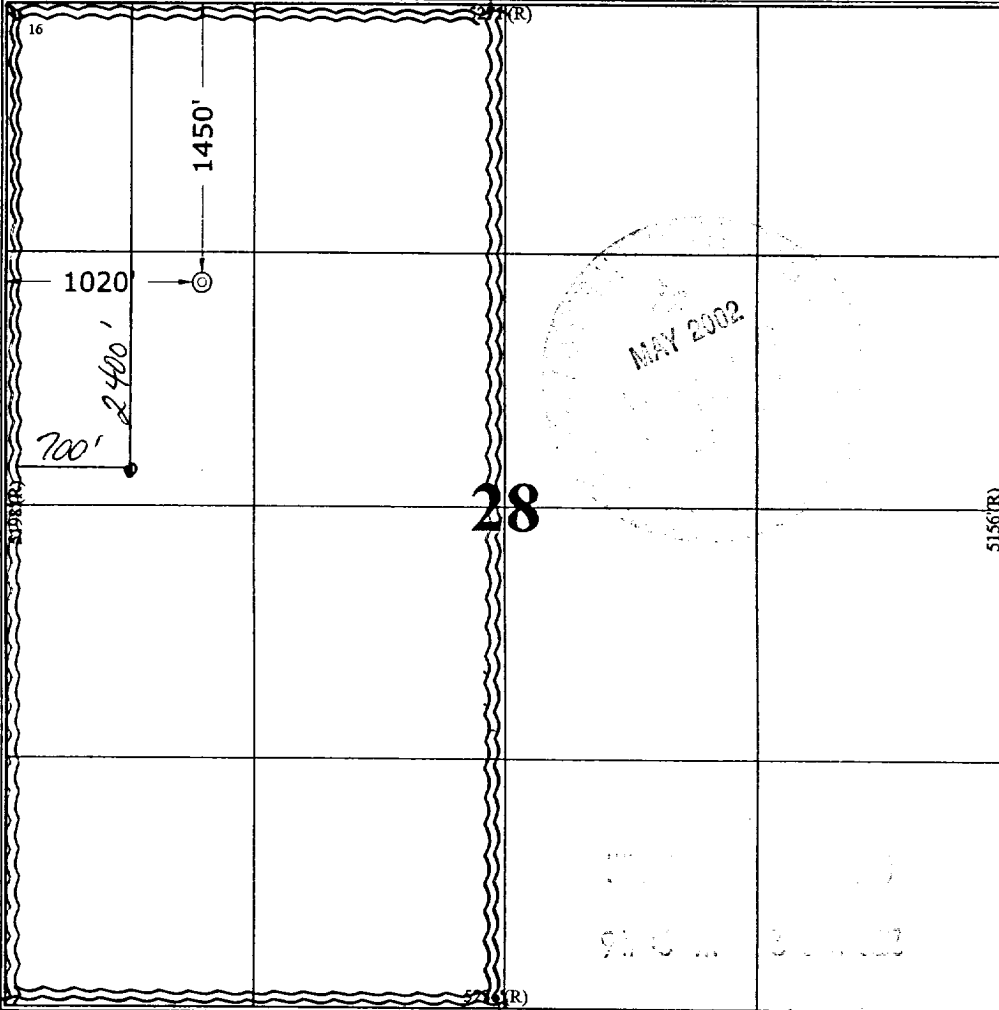
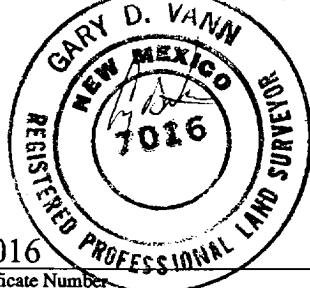
10 Surface Location

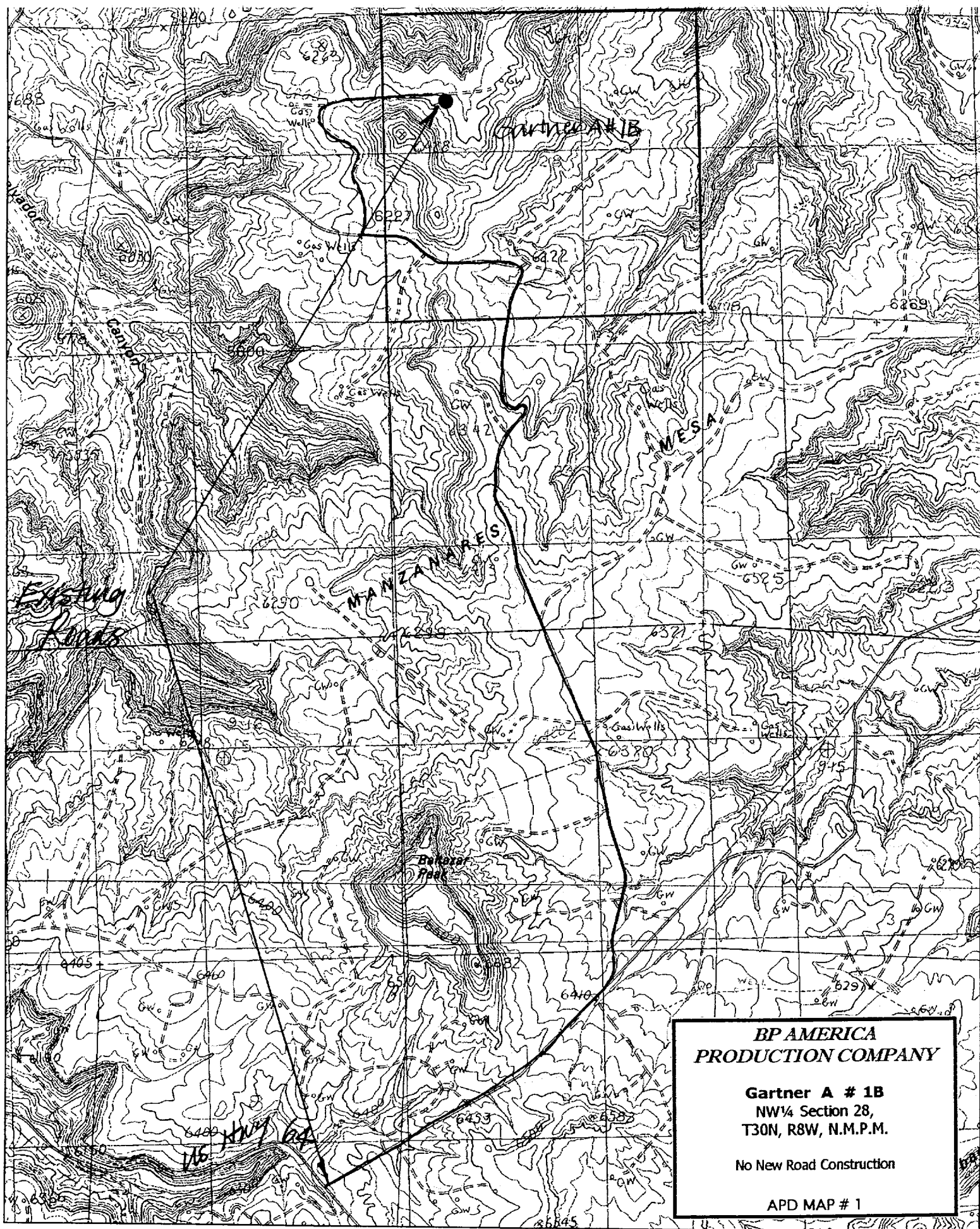
UL or Lot No. E	Section 28	Township 30 N	Range 8 W	Lot Idn	Feet from the 1450	North/South line NORTH	Feet from the 1020	East/West line WEST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

7 UL or lot no. E	Section 28	Township 30N	Range BW	Lot Idn	Feet from the 2400	North/South line NORTH	Feet from the 700	East/West line WEST	County SAN JUAN
12 Dedicated Acres 320		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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

	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature <i>Mary Corley</i> MARY CORLEY Printed Name 22 Regulatory Analyst Title 03.18.2002 Date</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>February 15, 2002 Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p> 7016 Certificate Number</p>



Prospect Name: Gartner A
Lease: Gartner A
County: San Juan
State: New Mexico
Date: March 18, 2002

Well No: 1B
Surface Location: 28-30N-8W, 1450 FNL, 1020 FWL
Field: Blanco Mesaverde
Bottom Location: 28-30N-8W, 2400 FNL, 700 FWL

OBJECTIVE: Drill 50' below the base of the Mancos Shale, set 4 1/2" production liner, Stimulate LS, CH, MF and PL intervals

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING	Estimated GL: 6196		Estimated KB: 6210	
Rotary	0 - TD				
LOG PROGRAM		MARKER		TVD	MEAS. DEPTH
		Ojo Alamo		1768	1869
		Fruitland		2584	2771
		Fruitland Coal	*	2640	2832
		Pictured Cliffs	*	2948	3151
		Lewis Shale	#	3070	3273
		Cliff House	#	4596	4799
		Menefee Shale	#	4776	4979
		Point Lookout	#	5157	5360
		Mancos		5558	5761
TYPE <u>OPEN HOLE</u> none <u>CASED HOLE</u> GR-CCL-TDT CBL		DEPTH INVERAL			
REMARKS: - Please report any flares (magnitude & duration).		TDT - TD to 7" shoe Identify 4 1/2" cement top			
		TOTAL DEPTH		5608	5811
		# 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 - 2805 (1)	Water/LSND	8.6-9.2		<6	
2805 - 5811	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 (MD)	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	2805	7"	J/K-55 ST&C	20#	8.75"	1,2
Production	5811	4 1/2"	J-55	10.5#	6.25"	3, 4

REMARKS:
 (1) Circulate Cement to Surface
 (2) Set casing 27' above Fruitland Coal
 (3) Bring cement 100' above 7" shoe
 (4) 100' Overlap

CORING PROGRAM:
 None

COMPLETION PROGRAM:
 Rigless, 3-4 Stage Limited Entry Hydraulic Frac

GENERAL REMARKS:
 Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing.

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

PREPARED BY:	APPROVED:	DATE:	
HGJ/MNP		11 th March 2002	
Form 46 12-00 MNP		Version 1.0	

BP America Production Company

BOP Pressure Testing Requirements

Well Name: Gartner A
County: San Juan

1B
State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1768		
Fruitland	2584		
Fruitland Coal	2640		
PC	2948		
Lewis Shale	3070		
Cliff House	4596	500	0
Menefee Shale	4776		
Point Lookout	5157	600	0
Mancos	5558		

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

Requested BOP Pressure Test Exception: 750 psi

FEDERAL CEMENTING REQUIREMENTS

1. All permeable zones containing fresh water and other usable water containing 10,000 PPM or less total dissolved solids will be isolated and protected from contamination by cement circulated in place for the protection of permeable zones per the NTL-FRA 90-1 Section III A.
2. The hole size will be no smaller than 1 1/2" larger diameter than the casing O.D. across all water zones.
3. An adequate spacer will be pumped ahead of the cement slurry to help prevent mud contamination of the cement.
4. An adequate number of casing centralizers will be run through usable water zones to ensure that the casing is centralized through these zones. The adequate number of centralizers to use will be determined by API SPEC 10D.
5. Centralizers will impart a swirling action around the casing and will be used just below and into the base of the lowest usable water zone.
6. A chronological log will be kept recording the pump and slurry information and will be sent to the BLM with the subsequent sundry.

SAN JUAN BASIN Mesaverde Formation Pressure Control Equipment

Background

The objective Mesaverde formation maximum surface pressure is anticipated to be less than 1000 PSI, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 PSI. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 PSI system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 PSI rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rights to be utilized have substructure height limitations which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth. No abnormal temperature, pressure, or Hydrogen Sulfide gas is anticipated.

Equipment Specification

Interval

BOP Equipment

Below conductor casing to total depth

11" nominal or 7 1/16", 3000 PSI double ram
preventer with rotating head.

All ram type preventers and related control equipment will be hydraulically tested to 250 PSI (low pressure) and 750 PSI (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include Kelly cock, upper Kelly cock with a handle available, floor safety valves and choke manifold which will also be tested to equivalent pressure at the appropriate intervals