Form 3160-3 FORM APPROVED (August 1999) OMB No. 1004-0136 Expires November 30, 2000 UNITED STATES DEPARTMENT OF THE INTERIOR 5. Lease Serial No. BUREAU OF LAND MANAGEMENT SF 080358 APPLICATION FOR PERMIT TO DRILLYOR REENTER? 6. If Indian, Allottee or Tribe Name Ia. Type of Work: DRILL REENTER 7. If Unit or CA Agreement, Name and No. Lease Name and Well No. NYE LS 1 N Oil Well Gas Well Other Single Zone Multiple Zone 1b. Type of Well: Contact: CHERRY HLAVA Name of Operator API Well No. 36-045-BP AMERICA PRODUCTION COMPANY E-Mail: HLAVACL@BP.COM Field and Pool, or Exploratory 3a. Address b. Phone No. (include area code) Ph: 281-366-4081 BASIN DK & BLANCO MV HOUSTON, TX 77253-3092 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T., R., M., or Blk. and Survey or Area SWNE 2365FNL 1900FEL 36.88472 N Lat, 107.95750 W Lon Sec 23 T31N R11W Mer NMP At proposed prod. zone SWNE 2365FNL 1900FEL 36.88472 N Lat, 107.95750 W Lon 14. Distance in miles and direction from nearest town or post office* 12. County or Parish 13. State 6 MILES NORTH FROM AZTEC, NM SAN JUAN NM Distance from proposed location to nearest property or 17. Spacing Unit dedicated to this well 16. No. of Acres in Lease lease line, ft. (Also to nearest drig. unit line, if any) 1900 320.00 320.00 20. BLM/BIA Bond No. on file 18. Distance from proposed location to nearest well, drilling, 19. Proposed Depth completed, applied for, on this lease, ft. 7100 MD WY2924 7100 TVD 22. Approximate date work will start 21. Elevations (Show whether DF, KB, RT, GL, etc. 23. Estimated duration 02/15/2004 5829 GL 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. Bond to cover the operations unless covered by an existing bond on file (see 2. A Drilling Plan. Item 20 above) 3. A Surface Use Plan (if the location is on National Forest System Lands, the Operator certification SUPO shall be filed with the appropriate Forest Service Office). Such other site specific information and/or plans as may be required by the authorized officer. Name (Printed/Typed) 25. Signature Date CHERRY HLAVA Ph: 281-366-4081 (Electronic Submission) 12/14/2004 Title **AGENT** Approved b Name (Printed/Typed)

Application approval does not warrant or certify the applicant holds legal of equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Conditions of approval, if any, are attached.

Title

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 #51871 verified by the BLM Well Information System For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

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

District PO Box 1980, Hobbs NM 88241-1980 District II PO Drawer KK, Artesia, NM 87211-0719 District III 1000 Rio Brazos Rd., Aziec, NM 87410 District IV

State of New Mexico Energy, Minerals & Natural Resources Department

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

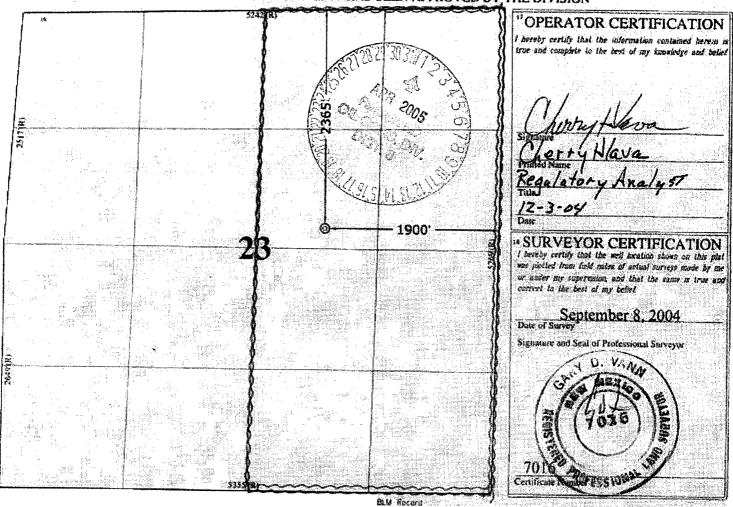
Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

PO Box 2088, Santa Fe, NM 8750	04-2088					AMENDED REPOR
	WEL	L LOCATION AND	ACREAGE	DEDICA	TION PLAT	
30-045-327	767	71599:73319	Basin	Dekota	Pool Name	Mesaverde
* Property Code	Ny	ve LS	Property Name			* Well Number # 1N
OOO778	BI	PAMERICA PROD	Operator Name UCTION	COMPAN	TY	*Elevation

5829 Surface Location UL or Lot No. Township Section Nange North/South Line Lot for Frot from the Feet from the East/West fine County G 23 31 N 11 W 2365 NORTH 1900 SAN JUAN EAST " Bottom Hole Location If Different From Surface " Ull. or lot ruy. Township Feet from the North/South Jose Gast/West line Cining " Dedicated Acres Joint or lath) ... Consulidation Code 18 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

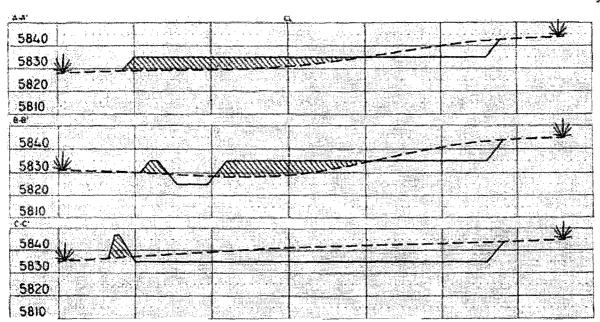


	State of				Form (
Office <u>District I</u>	Energy, Minerals	and Natu	ral Resources		March 4	1, 2004							
1625 N. French Dr., Hobbs, NM 88240				WELL API NO		İ							
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERV	VATION	DIVISION	5. Indicate Type	New Well								
District III	1220 South	St. Fran	ncis Dr.	STATE	FEE	İ							
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe	e, NM 87	7505	6. State Oil & C									
1220 S. St. Francis Dr., Santa Fe, NM		,		o. State on ac	Sus Deuse 110.]							
87505				<u> </u>									
III	CES AND REPORTS OF			7. Lease Name	or Unit Agreement N	ame							
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PROPOSALS.)	•	,		(Feuerai	Well ININGE U79311A	'							
1. Type of Well:	· —			8. Well Numbe									
Oil Well Gas Well	Other 📋			1 N	•								
			 										
2. Name of Operator	10			9. OGRID Nun	nber								
BP AMERICA PRODUCTION C 3. Address of Operator	<u>U</u>			000778 10. Pool name	or Wildon								
P.O. BOX 3092 HOUSTON, TX	77079-2064			Basin Dk & Bla									
4. Well Location	77077-2004			Dasin DR & Dia	anco IVI V								
4. Well Eccation													
Unit Letter G : 2365	feet from the North	line and	d _1900feet	from the EAST_	line								
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Section 23	Township 31N		Range 11W		SAN JUAN Co	unty							
元明记述的张宏观和数据表现	11. Elevation (Show wh			.)									
Discount of the state of the st		5829'		- 1)									
Pit or Below-grade Tank Application (For													
Pit Location: UL G Sect 23 Twp 3	BIN_Rng_11W_Pit type_I	Drilling_De	epth to Groundwater	<u>>100° Distance from n</u>	earest fresh water well <	1000'							
Distance from nearest surface water < 12	<u>00'</u> Below-grade Tank Loca	tion UL_G	Sect_ <u>23</u> Twp <u>31N</u>	Rng 11W;		Distance from nearest surface water < 1200' Below-grade Tank Location UL_G_Sect 23 Twp_31N Rng_11W;							
I .						Ī							
2315' feet from the North line and 188	<u>is_feet from the _EAST_line</u>	PLEASE S	SEE ATTACHED PAI	LAYOUT									
2315' feet from the North line and 188	35_feet from the _EAST_line	PLEASE S	SEE ATTACHED PAI	LAYOUT									
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PAD LAYOUT PLAN & PROFILE BP AMERICA PRODUCTION COMPANY Nyc LS # IN

2365' F/NL 1900' F/EL SEC. 23, T31N, R11W, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO

Lat: 36°53'05" Long: 107°57'27" 8 C 0 40 F 5 L10. 35 PROPOSED PROPOSED FLARE PIT RESERVE PIT 3 Wood Seiths (a) F 4 ELEV. | 5829 N 32° W 150 LAYDOWN 2 3 66,00k Proposed Access Road (B) 150 C B Reserve PS Disc — Should be δ' above Deep size (overfiles — 3' wide & 3' above fore FR — Overflow pipe should be builtony between top and bottom and actual over 400 CONSTRUCTION ZONE SCALE FIES



Cuts and fills shown are approximate - linal finished elevation is to be adjusted so earthwark will bolonce. Comerstakes are approximate and do not include additional areas needed for sideslopes and drainages. Final Pad Dimensions are to be verified by Contractor.

> VANN SURVEYS P. O. Box 1306 Farmington, NM

TOT-CBL					В	P AME	RICA PRO	DUCTIO	N (CON	/IP/	NY			
Loss: Nye L S						DRILLI			N PI	ROG	RAN	Λ			
County: San - Juan New Mexico Surface Location: 23.31N-111V-2026 FNL, 1900 FEL		N			1	Mall Ma						Claide	Dlanas	Manariand	- (Design Delvete
Minerals BLM Surface: Latt \$8.8845776 Long: 107:9570025			Marri									e/Basin Dakota			
Rig Azto-114			IVEW I	viexico		Suriace									
OBJECTIVE: Not 11/100 of Policulum No															
Type		AZIEC 104	г	1rill 250' be	low th				roduct	ion ca	eina	Stimulate D	K ME and	Pl interv	ale
TYPE OF TOOLS	ODUCTIVE.	<u> </u>					C 1110 17 Clis Hibi	and the same							
Number N	TVDE			JU OF DRI			DHLING								
Code Program Code					UE				GL.	30					
Type		littaly		G PROGR	A 8.4				_						
Single Run	Type	******		d Fhodh		h Interval									
Fire Fire	····				Dept	iii iiitoi vai			_	-+ $ $	*				
Pictured Citifs 1,3353' 2,490' 2,594' 2,594' Cased Hole	Origio i	1011							al		•				
Lewis 7 3,149 2,694 2,594 1,879 3,964 3,964 3,964 7,07 3,964 3,9											*				
Cased Hole TD to 7" shoe Menefee								Lewis			•				
REMARKS: Identify 4 ¼* cement top	Cased H	lole						Cliff House			#				3,964'
REMARKS: Please report any liares (magnitude & duration). Please report any liares (magnitude & duration). Signature S					TDt	o 7" shoe		Menefee	-		#				4,285'
Mancos				lder	itify 4	½" cemen	t top	Point Lookou	ıt		#				4,724'
Graneros (bend.mkr)								Mancos				748'		5,095'	5,095'
Two Wells	- Please report	any flares (magn	itude & dur	ation)			Greenhorn				-900'		6,743'	6,743'
Paguale									ent,mk	(r)		-951'			6,794'
Cubero # -1,129' 6,972' 6,972' 7,01															6,849'
L. Cubero															6,933'
															_
TOTAL DEPTH: -1,257' 7,100' 7,															
# Probable completion interval										#					
SPECIAL TESTS SPILL CATTING SAMPLES DRILLING TIME															<u> </u>
TYPE	ODEOLAL TEOT	~													
None Seption REMARKS: Seption REMARKS: Seption Seption Seption Remarks Seption Remarks Seption Sept		3					· · · · · · · · · · · · · · · · · · ·						EDEOL		
MUD PROGRAM: Interval															
Interval Type□Mud ##gal Vis, □sec/qt /30 min Other Specification								0071011	ito, vai		<u> </u>	0+ 10 10]	40010	grapii	1 0 10
Interval Type Mud ##gal Vis,	MUD PROCEA	M.		· · · · · · · · · · · · · · · · · · ·											
200' Spud 8.8 - 9.0 Sufficient to clean hole.			lud	#/aal		Vi	e Dearlat	/30 min				Othe	r Specific	ation	
2,794' Water/LSND 8.4 - 9.0								/50 11111				Othe	a Specifica	ation	
7,100' Air 1 1000 cfm for hammer Volume sufficient to maintain a stable and clean wellbore CASING PROGRAM: Casing □String Depth Size Casing Size Grade, Thread Weight Landing Point Cement Surface/Conductor 200' 13 1/2" 9-5/8" H-40 ST&C 32# cmt to surface Intermediate 1 2,794' 8-3/4" 7" J/K-55 ST&C 20# 100' below LWIS cmt to surface Production 7,100' 6-1/4" 4-1/2" J-55 11.6# DKOT 150' inside Intermediat TOC survey require CORING PROGRAM: None COMPLETION PROGRAM: Rigless, 2-3 Stage Limited Entry Hydraulic Frac, FMC Unihead GENERAL REMARKS: Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing. BOP Pressure Testing Requirements Formation Depth Anticipated bottom hole pressure Max anticipated surface pressure** Cliffhouse 3,964' 500 0 0 Point Lookout 4,724' 600 0 0 Dakota 6,849' 2600 1093.22 Requested BOP Pressure Test Exception = 1500 psi Note: Determined using the following formula: ABHP - (.22*TVD) = ASP Form 46 Reviewed by: Logging program reviewed by: PREPARED BY: APPROVED: DATE: APPROVED: DATE: HGJ JMP						Odinois	THE GO CHEATT HOTE.	 a 		9	ween	hole while w	hilst water	drilling 16	CM oneite
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	Form 46 7-84by				F	or Drilling F	Dept.	 				For Product	ion Dent.		

Cementing Program

Well Name: Location: County: State:	Nye LS #1N 23-31N-11W:23 San Juan New Mexico	65' FNL, 1900'	FEL		Well Flac Formation: KB Elev (e GL Elev. (e	st)	esaverde/l 5843 5829	Basin Dakot	a
Casing Program Casing String	Est. Depth	Hole Size	Casing Size	Thread	тос	Stage Too	ol Cm	t Cir. Out	
outing ouring	(ft.)	(in.)	(in.)		(ft.)	Or TOL (fi			
Surface	200	13.5	9.625	ST&C	Surface	NA	., (• •	
Intermediate	2794	8.75	7	LT&C	Surface	NA			
Production -	7100	6.25	4.5	ST&C	2694	NA			
Casing Propertie	s:	-	actor Included)						
Casing String	Size	Weight	Grade	Burst	Collapse	Joint St.			rift
	(in.)	(lb/ft)		(psi.)	(psi.)	(1000 lbs.			n.)
Surface	9.62		2 H-40	3370		1400	254	0.0787	8.845
Intermediate) K-55	3740		2270	234	0.0405	6.456
Production -	4.	5 11.6	3 J-55	5350)	4960	154	0.0155	3.875
Mud Program									
Apx. Interval	Mud Type	Mud Weight		Recomm	ended Mud	Properties Prio C	Cementina	:	
(ft.)				PV	<20			3	
(/				YP	<10				
0 - SCP	Water/Spud	8.6-9.2	2	Fluid Los					
SCP - ICP	Water/LSND	8.6-9.2	2						
ICP - ICP2	Gas/Air Mist	NA.							
ICP2 - TD	LSND	8.6 - 9.2	7						
Cementing Progra	am:								
			Surface		Intermed	diate	Pr	oduction	
Excess %, Lead			100		75			40	
Excess %, Tail			NA 		0			40	
BHST (est deg. F	•		75		120			183	
Special Instruction	ns 1. Do not wash	numne and line	1,6,7		1,6,8	3		2,4,6	
	2. Wash pumps		55.						
	3. Reverse out	and intes.							
	4. Run Blend Te	est on Cement							
	- ·		Density on 3.5"	disk					
			pressurized mud						
		•	ent is not circulat						
	8. If cement is r	not circulated to	surface, run ten	np. survey	10-12 hr. af	ter landing plug.			
Notes:	*Do not wash u	p on top of plug	g. Wash lines bef	ore displac	ing producti	ion cement job to	minmize	drillout.	
Surface:			····						
Surface.	Preflush		20 bbl.	FreshWa	iter				
	Slurry 1	154	sx Class C Cen					195 ci	uft
	TOC@Surface		+ 2% CaCl2 (ad	ccelerator)				0.4007	
								0.4887 ci	utt/ft OH
Slurry Properties:		Density		Yield		Water			
conf reponies.		(lb/gal)		(ft3/sk)		(gal/sk)			
	Slurry 1	15.2	•	1.27	,	(garsn)	5.8		
			-	,			0.0		

Schlumberger Private Page 1

Cementing Program

Casing Equipment:

9-5/8", 8R, ST&C 1 Guide Shoe

1 Top Wooden Plug

1 Autofill insert float valve

Centralizers, 1 per joint except top joint

1 Stop Ring

1 Thread Lock Compound

		· ····································	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Intermediate:	Fresh Water	20 bb	ol	fresh water				,
	Lead		223	sx Class "G" Cer			586 cuf	t
	Slurry 1			+ 3% D79 extens				
	TOC@Surface			+1/4 #/sk. Cellop + 5 lb/sk Gilsonii				
	Tail		59	sx 50/50 Class "	'G"/Poz		75 cuf	t
	Slurry 2			+ 2% gel (extend				
	-	O ft fill		+1/4 #/sk. Cellor	phane Flake		0.1503 cuf	t/ft OH
				+ 2% CaCl2 (acc	celerator)		0.1746 cuf	t/ft csg anı
				+ 5 lb/sk Gilsonii	te			
Slurry Properties:		Density		Yield		/ater		
		(lb/gal)		(ft3/sk)	(g	al/sk)		
Slurry 1		11.4		2.63		15.8		
Slurry 2		13.5		1.27		5.72		
Casing Equipment	t:	7", 8R, ST&C						
		1 Float Shoe (autof	ill with mini	imal LCM in mud))			
		1 Float Collar (auto	fill with min	imal LCM in mud	l)			
		1 Stop Ring						
		Centralizers one in		first joint, then ev	ery third colla	r		
		1 Top Rubber Plug						
		1 Thread Lock Con	ipouna					
Production:								
	Fresh Water	10 bb	k	CW100				
	Lead		169	LiteCrete D961 /	/ D124 / D154		427 cuf	t
	Slurry 1			+ 0.03 gps D47	antifoam			
	TOC, 150' abov	e 7" shoe		+ 0.5% D112 flu	id loss			
				+ 0.11% D65 TIC	С			
	Tail		150	sx 50/50 Class "	'G"/Poz		216 cuf	t
	Slurry 2			+ 5% D20 gel (e	extender)			
	150	5 ft fill		+ 0.1% D46 anti	foam			
				+ 1/4 #/sk. Cello				
				+ 0.25% D167 F				
				+ 5 lb/sk Gilsonii	te	ŧ		
				Sahlumbarga	r Drivata			

Schlumberger Private Page 2

Amoco

Cementing Program

+0.1% d800, retarder +0.15% D65, dispersant

				0.1026 cuft/ft OH
Slurry Properties:	Density	Yield	Water	
	(lb/gal)	(ft3/sk)	(gal/sk)	0.1169 cuft/ft csg ann
Slurry 1	9.5	2.52	6.38	
Slurry 2	13	1.44	6.5	Top of Mancos
				5005

Casing Equipment:

4-1/2", 8R, ST&C

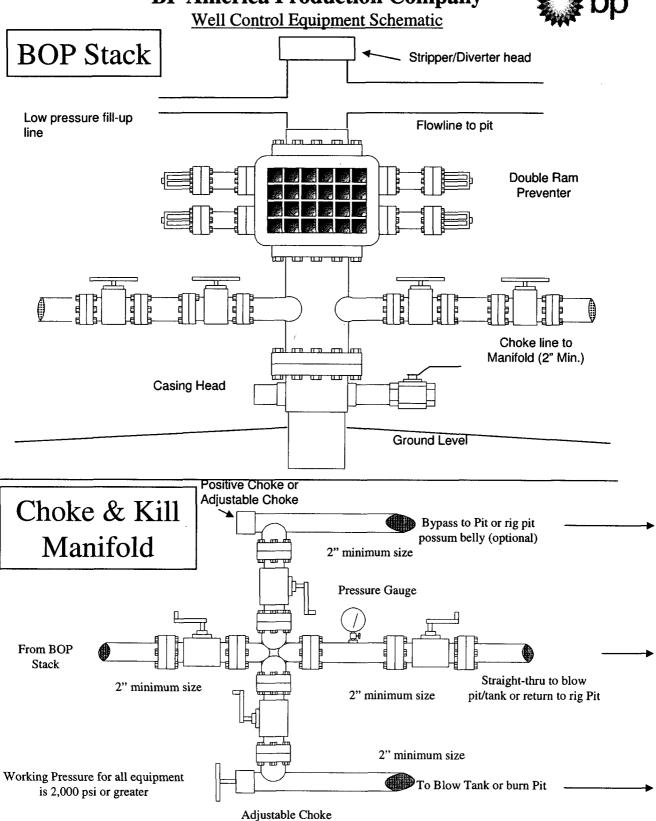
1 Float Shoe (autofill with minimal LCM in mud)1 Float Collar (autofill with minimal LCM in mud)

1 Stop Ring

Centralizers, as needed 1 Top Rubber Plug 1 Thread Lock Compound

BP America Production Company





Additional Operator Remarks Nye LS 1N APD

BP America Production Company respectfully requests permission to drill the subject well to a total depth of approximately 7100'. Complete in the Basin Dakota Pool, isolate the Dakota; complete into the Blanco Mesaverde, establish a production rate; drill out the bridge plug and commingle production downhole.

Application for Downhole Commingling authority (NMOCD order R-11363) will be submitted to all appropriate for approval after Permit to Drill has been approved.

If terrain allows it is our intent to pre-set the 9 5/8" casing on the above mentioned well by drilling a surface hole with air/air mist in lieu of drilling mud and the surface casing be cemented with 94.5 cu/ft type I-II, 20% FLYASH, 14.5 PPG, 7.41 gal/sk, 1.61 cf/sk Yield, 80 DEG BHST ready mix cement. If the area will not allow for pre-set the approved cement program will be followed.

SUPPLEMENTAL TO SURFACE USE PLAN

New Facilities:

A 4.5" diameter buried steel pipeline that is +/- 300 feet in length will be constructed. The pipe wall thickness is .156 and the pipe wall strength is 42,000#. It will be adjacent to the access road and tie the well into an existing gas meter operated by BP America Production Company. The pipeline will not be used to transport gas to drill the well. After the well is spud the pipeline will be authorized by a right-of-way issued by El Paso Field Services.

APD/ROW

SAN JUAN BASIN Dakota Formation Pressure Control Equipment

Background

The objective Dakota 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 in the Basin Dakota. No abnormal temperature, pressure, or H2S 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 2000 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.