LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 1584' (Also to nearest drig, unit line, if any) S. DISTANCE FROM PROFOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, 927! OR AFPLIED MR OW TWE LINE, FILLER, 927! 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL 40 20. ROTARY OR CARLE TOOLS	31, 1991 BER MAME RAL # 11 DCAT				
Num approved UNITED PROPERTY NO. Q276 Sudget Bureau No. DEPARTMENT OF PCOL CODE 58300 BUREAU OF LAN BUREAU OF LAN APPINO. 30-025-33838 APPINO. 30-025-33838 MALL MARK MAPINO. DRILL M DELIFEIN DRILL M DELIFEIN PLAINS PETROLEUM OPERATING COMPANY MULTIVE Sone MULTIVE Sone PLAINS PETROLEUM OPERATING COMPANY State requirements. 30-025- At sufface 1724' FSL & 1584' Unit Letter K TEAGUE BLINEBRY Sect. TEAGUE BLINEBRY INC. TEAGUE BLINEBRY INC. OWATH ACC. TO MARKED 16. NO. OF ACCES IN LEASE INC. Inc.	31, 1991 BER MAME RAL # 11 DCAT				
DEPARTMENT OF POOL CODE 58300 BUREAU OF LAN EFF. DATE 3/20/97 APPLICATION FOR PERN APPLICATION FOR PERN AP	31, 1991 BER MAME RAL # 11 DCAT				
BUREAU OF LAN EFF. DATE 3/20/27 APPLICATION FOR PERN APINO 30-025-33838 TTTE OF WORK DRILL DELT CIV L OTHER BUREAU OF LAN EFF. DATE 3/20/27 TTTE OF WORK DRILL DELT CIV L OTHER BUREAU OF LAN EFF. DATE 3/20/27 TTTE OF WORK DRILL DELT CIV L OTHER BUREAU OF DELT CIV DE DELT CIV OF ACERS IN LEASE 11. LEASE 12. COUNTY OF ACERS LASSIGNED TO THIS WELL LASSIENCE OF DELT CIV DE AU OF ACERS IN LEASE 11. DO THIS WELL (ALLO TO BEARENT OR LASSIENT FROM PROPUSED LOCATION TO MEASE TROM NELLING, SCH L (ALLO TO BEARENT OR LASSIENT FROM DELTON TO DETAIL CONTON OF ACERS IN LEASE 11. LEASE 11	RAL # 11 DCAT				
SUREAU OF LAN EFF. DATE 3/20/97 NMLC 034711 MILL SUPPLICATION FOR PERN NML 30 - 025 - 33888 NMLC 034711 ORILL SUPPLICATION FOR PERN NML 30 - 025 - 33888 NMLC 034711 ORILL SUPPLIES OF WORK NMLC 034711 ORILL SUPPLIES OF WORK NULL SUPPLIES OF STORE OTHER SUPPLIES OF WORK NULL COLSPANSE OTHER SUPPLIES OF WORK NULL SUPPLIES SUPPLIES SUPPLIES OF TOTHER OTHER SUPPLIES OF WORK NULL COLSPANSE OTHER SUPPLIES OF SUPPLIES OF SUPPLIES OF SUPPLIES COLSPANSE OTHER SUPPLIES OF SUPPLIES COLSPANSE OTHER SUPPLIES OF SUPPLIES COLSPANSE OTHER SUPPLIES COLSPANSE OTHER SUPPLIES COLSPanse OTHER SU	RAL # 11				
APPLICATION FOH PERN DRILL DRILL DR	RAL # 11				
DRILL IN DELFEIN JUNET JUNET JUNET JUNET JUNET JUNET OIL GAS WELL OTTAGE SINGLE MULTIPLE JUNET JUNET MAME OF OFERATOR VELL OTTAGE SINGLE MULTIPLE JUNET JUNET JUNET MAME OF OFERATOR PLAINS PETROLEUM OPERATING COMPANY SINGLE MULTIPLE JUNET JUNET BAYLUS CADE FEDEL MOME 415 W. Wall, Suite 1000, Midland, TX 79701 915/683-4434 JO. FIELD AND FOOL OR WELLOG JOCALTION OF WELL (Beport location clearly and is accordance with any State requirements.") TEAGUE BLINEBRY LOCATION OF WELL (Beport location clearly and is accordance with any State requirements.") TEAGUE BLINEBRY 17.24' FSL & 1584' FWL Unit Letter K JI. SEC. T. E. M. OR FLAT OINTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OF POST OFFICE" J2. COONTY OF AREAS IO.6 miles Northeast of Jal, NM LEA I2. COONTY OF AREAS OISTANCE FROM PROPUSED* 16. NO. OF ACEES IN LEASE J17. NO. OF ACEES ASSIGNED LEA I20 JUNET INSTITUTE ASSIGNED J0. FILS ONTHIS WELL OISTANCE FROM PROPOSED J184' J20 J20 J0. ROTASET OR CARES ASSIGNED <tr< td=""><td>237E</td></tr<>	237E				
OTTIGE OF WELL OTHER SINGLE MULTIFLE MULTIFLE WAME OF OFERATOR WELL OTHER SINGLE MULTIFLE MULTIFLE PLAINS PETROLEUM OPERATING COMPANY SOME SOME MULTIFLE SOME At MUTICE PLAINS PETROLEUM OPERATING COMPANY Some BAYLUS CADE FEDEL ACCANTON OF WELL (Report location clearly and in accordance with any State requirements.*) 30-025- Location of well (Report location clearly and in accordance with any State requirements.*) TEAGUE BLINEBRY 1724' FSL & 1584' FWL Unit Letter K TEAGUE BLINEBRY . of state and productor Sec. 35, T23S, F . of state time, if any: 1584' 16. NO. OF ACEES IN LEASE . of statest time, if any: 1584' 120 . of statest time, if any: 18. NO. OF ACEES IN LEASE 17. NO. OF ACEES ASSIGNED . of statest time, if any: 18. NO. OF ACEES IN LEASE 17. NO. OF ACEES ASSIGNED . of statest time, if any: 18. NO. OF ACEES IN LEASE 17. NO. OF ACEES ASSIGNED . of statest regioned to contion* 19. FROFOSED DEFTH 20. ROTART OR CABLE TOOLS . of statest regioned to contion* 19. FROFOSED DEFTH 20. ROTART OR CABLE TOOLS	237E				
WELL OTHER SINCLE MULTIPLE MULTIPLE Since	237E				
NAME OF OPERATOR DONE DONE DONE DONE PLAINS PETROLEUM OPERATING COMPANY BAYLUS CADE FEDEN 9. ANVELNO. A0000000 AND TELEFIONENCE. 415 W. Wall, Suite 1000, Midland, TX 79701 915/683-4434 30-025- LOCATION OF WELL (Beport location clearly and in accordance with any State requirements.*) 10. FIELD AND FOOL OR WELL LOCATION OF WELL (Beport location clearly and in accordance with any State requirements.*) TEAGUE BLINEBRY 17.24' FSL & 1584' FWL Unit Letter K 11. SEC. T. E. M. OB SLEX. At proposed prod. zone Sec. 35, T23S, F 10.6 miles Northeast of Jal, NM 16. NO. OF ACCES IN LEASE 17. NO. OF ACCES IN LEASE 018TANCE FEOM FEOFORED 1584' 120 40 018TANCE FEOM FEOFORED LOCATION* 19. FROPOSED DEFTH 20. ECTAEL ASSIGNED 10. STANCE FEOM FEOFORED LOCATION* 19. FROPOSED DEFTH 20. ECTAEL FOOLS	237E				
ACOMENT AND TELEMONDARIAL 9. ANYWELING. 415 W. Wall, Suite 1000, Midland, TX 79701 915/683-4434 30-025- LOCATION OF WELL (Beport location clearly and in accordance with any State requirements.") TEAGUE BLINEBRY 1724' FSL & 1584' FWL Unit Letter K TEAGUE BLINEBRY 11. SEC. T. E. M. OB SURVEY OF ACCES IN MILES AND DIBECTION FROM NEASEST TOWN OR POST OFFICE" 12. COUNTY OR FRAME 10.6 miles Northeast of Jal, NM 16. NO. OF ACCES IN LEASE 17. NO. OF ACCES ASSIGNED OUSTANCE FROM PROPUSED* 1584' 120 ISTANCE FROM PROPUSED 1584' 120 OUSTANCE FROM DEFINITION COMPLETED, OR ACTION 19. FROPOSED DEFTH 20. ROTARY OR CASE TOOLS	237E				
415 W. Wall, Suite 1000, Midland, TX 79701 915/683-4434 30-025- 10. FIELD AND FOOL, OR WILL 10. FIELD AND FOOL, OR WILL LOCATION OF WELL (Beport location clearly and in accordance with any State requirements.") TEAGUE BLINEBRY 11. SEC. T. E. M., OB SCK. 11. SEC. T. E. M., OB SCK. At surface 1724' FSL & 1584' FWL Unit Letter K DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OF POST OFFICE* 12. COUNTY OF PARIES 13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OF POST OFFICE* 12. COUNTY OF PARIES 13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OF POST OFFICE* 12. COUNTY OF PARIES 13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OF POST OFFICE* 12. COUNTY OF PARIES 13. DISTANCE FROM PROPUSED* 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL DISTANCE FROM PROPUSED 1584' 120 10. SOTART OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL DISTANCE FROM PROPUSED 1584' 120 40 DISTANCE FROM DEFILE TOOL ON DEFILED. 927' ON RAREST WELL, DRILLING, COMPLETED. 927'	.37E				
At HUFLACE 1724' FSL & 1584' FWL Unit Letter K IL SEC. 7. 2. M. OB SEX. At proposed prod. zone II. SEC. 7. 2. M. OB SEX. Sec. 35, T23S, F DIRTANCE IN MILES AND DIRECTION FROM NEASEST TOWN OF POST OFFICE* II. COUNTY OF PARIAE II. SEC. 7. 2. M. OB SEX. DIRTANCE IN MILES AND DIRECTION FROM NEASEST TOWN OF POST OFFICE* II. COUNTY OF PARIAE Sec. 35, T23S, F DIRTANCE TOW PROPUSED* LOCATION TO NEASEST III. NM LEA DISTANCE FROM PROPUSED* 1584' III. NO. OF ACRES IN LEASE III. NO. OF ACRES ASSIGNED CALSO TO REFERE TRED OFFICE III. NO. OF ACRES IN LEASE III. NO. OF ACRES ASSIGNED OBSTANCE FROM PROPUSED III. INF. T. III. 1584' III. 120 OBSTANCE FROM PROPUSED LOCATION* III. SEC. 7. 2. M. OB SEX. III. SEC. 7. 2. M. OB SEX. OBSTANCE FROM PROPUSED* III. NM III. SEC. 7. 2. M. OB SEX. DISTANCE FROM PROPUSED* III. NM III. SEC. 7. 2. M. OB SEX. III. SEC. 7. 2. M. OB SEX. III. NM III. SEC. 7. 2. M. OB SEX. III. SEC. 7. 2. M. OB SEX. III. SEC. 7. 2. M. OB SEX. Sec. 35, T23S, F III. SEC. 7. 2. M. OB SEX. III. NM III. NM III. NM III. SEC. 7. 2. M. OB S	.37E				
At HUFLACE 1724' FSL & 1584' FWL Unit Letter K IL SEC. T. R. M. OB SEX. At proposed prod. zone 018TANCE IN MILES AND DIRECTION FROM NEASEST TOWN OF POST OFFICE* IL SEC. T. R. M. OB SEX. DISTANCE IN MILES AND DIRECTION FROM NEASEST TOWN OF POST OFFICE* IL COUNTY OF PARISE IL COUNTY OF PARISE DISTANCE FROM PROPUSED* LOCATION TO NEASEST 16. NO. OF ACCES IN LEASE IT. NO. OF ACCES ASSIGNED CALLO DI GEAREST COULD COULD TO NEASEST WELL 1584' 120 40 DISTANCE FROM TROPUEDED LOCATION* 19. FROPOSED DEFTH 20. ROTARY OR CALLE TOOLS					
1724 FSL & 1964 FWL Unit Letter K 11. SEC. T. E. M., OB SCK. At proposed prod. zone Sec. 35, T235, R Sec. 35, T235, R DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12. COUNTY OR PARISE 13. DISTANCE FROM PROPUSED* LOCATION TO NEAREST 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED DISTANCE FROM PROPUSED* 1584' 120 40 DISTANCE FROM PROPUSED LOCATION* 19. FNOF03ED DEFTH 20. ROTART OR CASES TOOLS					
DIATIANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE" Sec. 35, T23S, R 10.6 miles Northeast of Jal, NM 12. COGNTY OR PARISE DISTANCE FROM PROPURED" LEA LOCATION TO NEAREST 1584' Id. NO. OF ACEES IN LEASE 17. NO. OF ACEES ASSIGNED TO THIS WELL 1584' DISTANCE FROM PROPURED 1584' ISTANCE FROM TO NEAREST 1584' ISTANCE FROM TO NEAREST 1584' DISTANCE FROM TO NEAREST 1584' ON REAREST WELL, DRILLING, COMPLETED, OR AFTINT OF PARISED DEFTH 40 CO APPLIETED, OR AFTINE PARISET OF THE TOOLS 6000'					
DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE" 10.6 miles Northeast of Jal, NM DISTANCE FROM PROPURED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. LISS4 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL LOCATION* 19. FROPOSED LOCATION* 19. FROPOSED DEFTH 20. ROTART OR CASLE TOOLS 0 APPLIETED 02.7					
10.6 miles Northeast of Jal, NM LCONFIGE PROPUESD* DISTANCE FROM PROPUESD* LEA LOCATION TO NEARIST 1584' PROPERTY OR LEARE LINE, FT. 1584' OISTANCE FROM FROMED LOCATION* 120 DISTANCE FROM FROMED LOCATION* 19. FROMESED DEFTH CONFLICTION TO NEAREST WELL LINE, CONFLICTED. 927'	STATE				
DISTANCE FROM PROPUSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 1584' (Also to dearest drig, unit line, if any) DISTANCE FROM FROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, 027' 6000' 19. FROPOSED DEFTH 6000' 19. FROPOSED DEFTH 6000'					
PEOPERTY OR LEASE LINE, FT. 1584' (Also to dearest drig, unit line, if any) DISTANCE FROM PEOPOSED LOCATION" TO NEAREST WELL, DRILLING, COMPLETED, 027' 6000' 20. ROTART OR CARLE TOOLS	<u>M</u>				
DISTANCE FROM FROMOSED LOCATION" 19. FROMOSED DEFTH 20. ROTART OR CARLE TOOLS					
ELEVATIONS (Show whether DF. RT. GR. etc.)	LL START"				
3245' GR March 15, 199					
PROPOSED CASING AND CEMENTING PROGRAM CAPITAN CONTINUE	D WATER B				
SIZE OF ROLE GRADE STEOFCASHE WEIGHT FER FOOT SETTING DEFTH QCANTITY OF CEMENT					
12-1/4" 8-5/8" 355 24# 1175' 630 sx circ to surface					
7-7/8" 5-1/2" J55 14# & 15.5# 6000' 1550 sx circ to surf					
Mud Program: 0' - 1175' Spud Mud, FW, gel LIKE APPROVAL 1175'- 6000' Brine & native mud, MW 10 - 10.2 ppg to 4900' BY STATE Mud up @ 4900' with MW 10 - 10.1, MV 30-31 & WL -10 cc's to Total Depth.					
Increase MV to 34-36 for OH logs.					
•					
A 3000 psi Shaffer double hydraulic operated BOP will be used and tested at installation, drill out	on each bit				
trip and/or DST and each time they are removed or rearranged					
trip and/or DST and each time they are removed or rearranged.					
APPROVAL SUBJEC	MENTS AND				
GENERAL REQUIRE					
GENERAL REQUIRE SPECIAL STIPULATI					
APPHOVAL SUBJEC GENERAL REQUIRE SPECIAL STIPULATI	ONS				
APPHOVAL SUBJEC GENERAL REQUIRE SPECIAL STIPULATI	ONS				
BOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zons and proposed new productive zone. If proposal and itrus vertical depths. Give blowout preventer program, if any.	ONS				
GENERAL REQUIRE SPECIAL STIPULATI	ONS				
APPHOVAL SUBJEC GENERAL REQUIRE SPECIAL STIPULATI ATTACHED and directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. SUBJEC SPECIAL SUBJEC GENERAL REQUIRE ATTACHED and directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. SUBJEC SPECIAL SUBJEC ATTACHED Manager District Manager DATE 2-11-97	ONS				
APPHOVAL SUBJEC GENERAL REQUIRE SPECIAL STIPULATI ATTACHED an directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. Sector for Federal or State office use)	ONS				
APPHOVAL SUBJEC GENERAL REQUIRE SPECIAL STIPULATI ATTACHED as directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout provemer program, if any. Subsurface locations and measured and true vertical depths. Give blowout provemer program, if any. Subsurface for Federal or State office use)	ONS				
APPHOVAL SUBJEC GENERAL REQUIRE SPECIAL STIPULATI ATTACHED an directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. SHEAVED DISTRICT Manager TITLE	ONS				
APPHOVAL SUBJEC GENERAL REQUIRE SPECIAL STIPULATI ATTACHED an directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. attented TITLE District Manager DATE 2-11-97 DATE D	ONS				
APPHOVAL SUBJEC GENERAL REQUIRE SPECIAL STIPULATI ATTACHED BOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed our productive zone. If proposal and directionally, give pertinent data on subsurface locations and measured and true vortical depths. Give blowcox preventer program, if any. BIGENERAL MAILERAL DISTRICT Manager TITLE DISTRICT Manager DATE 2-11-97 DATE 2-11-97 PATE DATE DATE DATE DATE DATE DATE DATE D	ONS				
APPHOVAL SUBJEC GENERAL REQUIRE SPECIAL STIPULATI ATTACHED an directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.	ONS				

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, flictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I P. O. Box 1980 Hobbs, NM 88241-1	980	Energy, Mi			New Mexic tural Reso	o urces Jepartm	ient	Revised	Form C-102 1 02-10-94 ons on back
DISTRICT II P. O. Drawer DD Artesia, NM 88211-1 DISTRICT III	0719	OIL				DIVISION	T	Submit to the District Office State Lease – Fee Lease –	4 copies
1000 Rio Brazos Rd Aztec, NM 87410		Sant			Box 2080 Mexico 8	5 750 4-208 8		AME NDED	REPORT
DISTRICT_IV P. O. Box 2088 Santa Fe, NM 87507	-2088 w	TTI IOCA	TION A		CDFACF 1	DEDICATION	DIAT		
' API Number		² Pool Code			ol Name				
30-025- 33	2220					*			
* Property Code	⁵ Property N	58300 ame	· · · · · · · · · · · · · · · · · · ·	<u> </u>	TEAGUE BL			• Well Number	
009276			BAY	LUS C	ADE FED	ERAL	1998 - C.	11	
'OGRID No.	• Operator N							* Elevation	
017805		PLAIN	IS PETI	ROLEU	M OPERA	FING COMPAN	٧Y	3245	5'
			" SUI	RFACE	LOCATIO	N			
UL or lot no. Section	Township	Rang				e North/South lin	e Peet from the	East/West line	County
К 35	-	37 EAST,			1724'	SOUTH	1584'	WEST	LEA
I	"BOTT(OM HOLE	LOCAT	ION IF	DIFFERI	ENT FROM S	URFACE	L	L
UL or lot no. Section	Township	Rang	e	Lot Ida	Feet from th	e North/South lin	e Feet from the	East/West line	County
12 Dedicated Acres 13 Joi	nt or Infill	¹⁴ Consolidatio	on Code	15 Order	No.			[
		<u> </u>							
						N UNTIL ALL I In Approved I			
16			-STANDP			IN AFFROVED I			
			r		· .		OPERATO	R CERTIFIC	ATION
			! !				I hereby cert	lify that the inf	ormation
	1		1				contained her to the best of	ein is true and ' my knowledge d	complete and belief.
	1		t 				Signature	Sutterla	1
			 				Printed Name		
			 +		+		Title Distric	. Sutherlan	
			t 1 1		İ		Date		
	t I I						2-12-97		
							SURVEYO	R CERTIFIC	ATION
		11	1				I hereby c location she	ertify that ti own on this p	he well lat was
	-+	6	+		+ !		plotted from	field notes o	f actual
							my superv	i <mark>de by m</mark> e or ision, and th	nat the
	4	1					some is tru	e and correct	to the
	4	4	1				best of my	Dellet.	
1584'		•	1		1		Date of Survey	7	
			i				Date of Survey FEBR	UARY. 50/199	7
	·-+	· •	• •				Signature and Professional S	Seal of	
		v							
	1724							(32128)	
	1724'		1			ļ	= .		
			1					in All	The second second
			1				Nogike		the second
							ROGER M. R	OBBINS"P.S.	#12128
[i !		L		!			4-3 / 45 SW	

APPLICATION TO DRILL

PLAINS PETROLEUM OPERATING COMPANY BAYLUS CADE FEDERAL #11 1724' FSL & 1584' FWL Sec. 35 (Unit Letter K), T23S, R37E Lea County, New Mexico Lease No. NMLC 034711 February 12, 1997

In addition with Form 3160-2, Application to Drill the above well, Plains Petroleum Operating Company submits the following in accordance with BLM requirements.

1. ESTIMATED GEOLOGICAL MARKERS

GL: 3245'	KB: 3257'	
FORMATION	TOP	<u>SS</u>
Penrose	3407	-150'
Glorieta	4907'	-1650'
Paddock	5025'	-1768'
Blinebry	5253'	-1996'
Tubb	5929'	-2672'
TD	6000'	-2743'

2. CASING DETAIL

	CASING SIZE OD	INTERVAL	LENGTH OF INTERVAL	WEIGHT #/FT	INTERVAL WEIGHT	CASING GRADE	JOINT
Surface	8-5/8"	0 - 1175"	1175	24#/11	28,200	J-55	ST&C
Production	5-1/2"	6000'-5200' 5200' -0'	800' 5200'	15.5#/ft 14#/ft	12,400# 72,800#	J-55 J-55	LT&C ST&C
Tubing	2-3/8"	0 - 5250	5250	4.7#/ft	24,675#	J-55	EUE

3. CEMENTING & FLOAT EQUIPMENT DETAIL

WELL DATA	SURFACE	PRODUCTION (TD 6000')
Depth	1175'	6000'
Casing Size	8-5/8"	5-1/2"
Hole Size	12-1/4"	7-7/8"
Desired Fill	Surface	4825', surface
Hole Volume	485 Ft ³	226 Ft ³ , 836 Ft ³
Recommended Volume	996 Ft ³	2778 Ft ³ , 3004 Ft ³
DV Tool Depth	N/A	4400'

SLURRY

	Surface	Production 1st Stage	Production 2nd Stage
Recommendation	Lead w/380 sx Premium Plus w/4% gel, 2% CaCl ₂ + 1/4#/sk Flocele, Tail in w/250 sx Premium Plus w/2% CaCl ₂ & 1/8#/sk Flocele	Lead: 380 sx Premium 50:50 Poz cement w/ 0.6% Halad 9 & 2.5#/sk salt.	Lead 910 sx Premium Plus cement w/0.25% CFR- 3, 1/4#/sk Flocele, 2.5% Econolite, 1/4#/sk D-Air & 0.5% Halad 9. Tail in w/260 sx Premium 50:50 Poz cement w/0.6% Halad 9 & 2.5#/sk salt.
Yield	Lead: 1.74 ft³/sk Tail: 1.34 ft³/sk	1.31 Ft ³ /sx,	Lead: 2.38 ft ³ /sx, Tail:.1.31 ft ³ /sx
Weight	Lead: 13.5 PPG Tail: 14.8 PPG	14.2 PPG	Lead: 12 PPG Tail: 14.2 PPG
Mix Water	Lead: 9.10 gal/sk Tail: 6.31 gal/sk	6.05 gal/sk	Lead: 10.81 gal/sk Tail: 6.05 gal/sk

•

4. MUD DETAIL

<u>DEPTH</u>	PROPERTIES	TREATMENT
0 -1175'	Weight: 8.4 - 8.6 Viscosity: 34-36 pH 9-10	Spud Mud: Fresh water gel with sufficient viscosity to clean hole.
1175'-4900'	Weight: 10.0 - 10.2 Vis 28-29 pH 9-10	Drill out from surface csg with brine water, circulating to reserve pits. Build chlorides naturally while drilling salt stringers. Use lime to control pH and starch with gel sweeps to clean hole prior to mud up.
4900'-6000'	Weight 10-10.1 Viscosity 30-31 pH 9-10, WL <10	Mud up in steel pits. Lower hardness to 400 ppm with soda ash. Mix starch to control WL/filtrate and caustic soda for pH. Use paper for seepage. Viscosity will be sufficient with additions of starch only.

PRESSURE CONTROL EQUIPMENT (BOPE) DETAIL

11" API Shaffer 3000# series 900 dual hydraulic preventers adapted for the drilling contractors 4-1/2" drill pipe. The BOPS will be tested after they are installed on the surface casing, prior to drilling out, after each bit trip and each time they are removed or rearranged on the wellhead. See Exhibit A.

6. TESTING AND LOGGING PROGRAMS

TESTING

Drill stem tests may be performed to quantify and identify prospective producing horizons as drilling progresses. Production testing will be commenced after the well is drilled and casing has been set and cemented.

LOGGING

At TD, the following open hole well logs will be run: GR-CNL-CDL-DLL-MLL-SGR

7. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are anticipated. Hydrogen sulfide Drilling Contingency Plan to be adhered to while drilling this well and was previously filed with the Baylus Cade #7 APD on 9-25-96.

.

8. ANTICIPATED START DATE:

March 11, 1997 and the well to be completed on or about March 25, 1997

The Class III preventer stack is designed for drilling or workover operations. It is composed of a single hydraulically operated annular preventer on top, then a blind ram preventer, a drilling spool, and a single pipe ram preventer on bortom. The choke and kill lines are instatled onto the drilling spool and must have a minimum internal damater of 2". All side outlets on the preventers or drilling spool must be flanged, sudded, or camped. An emergency kill ine may be installed on the wellhead. A detuble ram praventer should only be used when space (initiations make it necessary to remove the drilling scool. In these instances. the choke manifold should be connected to a llanged cutlet between the preventer rams In this hookup, the pipe rams are anty. considered master rams only, and cannot be used to routinely drealate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.



EXHIBIT A.2

-