Form 3160-3 (December 1990)	UNIT	panae			CATE	TOTAL EPOSTOVERS.	No. 1004-0136
	DEPARTMENT		ODE_	58300		Expires: Dece	mber 31, 1991
	BUREAU OF			17/74/01		5. LEASE DESIGNATION	AND BERIAL NO.
ΔΡΡ					2_6_	NMLC034711	·
1a. TYPE OF WORK	LICATION FOR P	EHI API NO.	-2[1-1/25-33/	#Q	6. IF INDIAN, ALLOTTE	B OR TRIBE NAME
b. Tipe of well	RILL 🖾	DEEPEN	Ü			7. UNIT AGREEMENT N	AMB
WELL X	WELL OTHER			INGLE MULTIP	PLE []	5. FARM OR LEASE HAME, WE	LL NO
2. NAME OF OPERATOR DIATNO DETD	OLEUM OPERATING C	OMDANY				BAYLUS CADE F	
3. ADDRESS AND TELEMIONE N		OMPANI				9. AM WELLHO,	
415 W. Wall	, Suite 1000	Midland	l, TX	79701 915/683	-4434	_	
4. LOCATION OF WELL (Report location clearly and	in accordance w	Ith any 8	State requirements.*)		10. FIELD AND POOL, O	RY RY
Uni	t Letter N, 900'	FSL & 1650	' FWL	,		11. SEC., T., B., M., OR	BLE.
At proposed prod. 2	one					AND SURVEY OR AL	RBA
14. DISTANCE IN MILES	S AND DIRECTION FROM NEAR	PAT TOWN OF THE				Sec.35, T23S,	
	Northeast of Jal		ST OFFIC			12. COUNTY OR PARISH	13. STATE
10. DISTANCE FROM PRO LOCATION TO NEARS	PURED*		16. NO	O. OF ACRES IN LEASE	1 17 20 0	Lea F ACRES ASSIGNED	NM
PROPERTY OF 1 PIECE	ILINE, FT. 330 fing, unit line, if any)		1	.20	TOTH	F ACRES ASSIGNED HIS WELL 4()	
13. DISTANCE PROM PRO TO NEAREST WELL.	OFOSED LOCATION*		19. PH	OPOSED DEPTH	20. ROTAR	IT OR CABLE TOOLS	
OR APPLIED POR, ON T	HIS LEASE, PT.	850'	6	000'	Rota		
Ground 324	rhether DF, RT, GR, etc.)					22. APPROX. DATE WO	RE WILL START
23.		·			···	ASAP	
	· · · · · · · · · · · · · · · · · · ·	PROPOSED CAS	ING AND	CEMCAPITAN C	DNTRO	LLED WATER E	BASIN
12-1/4"	- STOCK SIZE OF CASINO	WEIGHT PER P	T00	SETTING DEPTH		QUANTITY OF CEMEN	
7-7/8"	8-5/8" J55 5-1/2" J55	24#	15 5	1175'	630	sx, circ to s	urf WITNE
	- 3 17 2 333	14# &	13.5	6000'	1550	sx, circ to s	urf
	drill this well		e Bli	nebry and comp	lete as	a Blinebry pr	oducer
Mud Program	1175'	- 6000 '	Brine Mud u to To Incre	Mud, FW, gel & native mud, p @ 4900' with tal Depth. ase MV to 34-36	MW 10-1 5 for OH	10.1, MV 30-31 H logs.	& WL -10cc'
A 3000 psi drill out c	Shaffer double hu on each bit trip a	draulic o ind/or DST	perat	ed will be used each time they	l and te are rem	ested at instal moved or rearra	llation,
		GI	ENERAL	L SUBJECT TO REQUIREMENTS AM STIPULATIONS		?	2
N ABOVE SPACE DESCRIP	BE PROPOSED PROGRAM: If prince the properties of	moral is to dama	TTACHE	0	nd proposed n	new productive zone. If pro	्रा भूग ppo ral le to वृद्धा or
1.	James R. Suther	land		ocpass. Of the blowood prevent	ter program, it	any.	- 10 - 4
SIGNED James	L. Setherland	/	LE	district Manage	r	Novemb	e = 15, 1996
(This space for Fede	eral or State office use)					DATE	
	,					·	on
PERMIT NO.				APPROVAL DATE			
Application approval does CONDITIONS OF APPROVA	not warrant or certify that the application of the second	ant holds legal or eq	uitable title	to those rights in the subject le	ase which wou	ald entitle the applicant to con	duct operations thereon.
APPROVED BY	RIG. SGD. TONY L. FE	RGUSON TITLE		ADM. MINER	IALS	DATE	. 76
itle 18 U.S.C. Section	n 1001 makes it a asima i	*See Instruc	tions (On Reverse Side			

Gy

DISTRICT I P. O. Box 1980 Hobbs, NM 88241-1980

State of New Mexico Emergy, Minerals, and Natural Resources Department

Form C-102 Revised 02-10-94

Instructions on back

Submit to the Appropriate District Office State Lease — 4 copies Fee Lease — 3 copies

DISTRICT II P. O. Drawer DD Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd. Aztec, NM 87410

OIL CONSERVATION DIVISION P. 0. Box 2088 Santa Fe, New Mexico 87504-2088

AMENDED REPORT

P. O. Box 2 Santa Fe, N	2088	7 2000								
API Number	M 8730	7-2088	ELL LOCAT	ION A		CREAGE D	EDICATION	PLAT	·····	
30-025	i- 33	740	58300				BLINEBRY			
Property Co		5 Property N	J				DENEBRI		• Well Number	
009276	,			BAY	LUS C	ADE FEDE	RAL		8	_'
OGRID No.		* Operator N	ame						• Elevation	
017805	; 	<u> </u>	PLAINS	PETE	ROLEU	1 OPERAT	ING COMPAN	1Y	3248	3,
			1	" SUF		LOCATION				
UL or lot no.	Section 35	Township 23 SOUTH	Range 37 EAST, N.	V D W	Lot Ida	Feet from the	North/South lin	1 .		County
			<u> </u>				SOUTH	1650'	WEST	LEA
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								James K.	Sutherland	1
		i	į					District	Manager	
		 	İ			į		Nov.15,	1996	
		 	‡ †					SURVEYO	R CERTIFICA	ATION
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APPLICATION TO DRILL

PLAINS PETROLEUM OPERATING COMPANY BAYLUS CADE FEDERAL #8 900' FSL & 1650' FWL Sec. 35 (Unit Letter N), T23S, R37E Lea County, New Mexico

Lease No. NMLC 034711 November 15, 1996

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:	3248'	KB:	3260'

FORMATION	TOP	<u>SS</u>
Penrose	3407'	-151'
Glorieta	4907'	-1651'
Paddock	5025'	-1769'
Blinebry	5253'	-1997
Tubb	5929'	-2673'
TD	6000'	-2731'

2. CASING DETAIL

	CASING SIZE OD	INTERVAL	LENGTH OF INTERVAL	WEIGHT #/FT	INTERVAL WEIGHT	CASING GRADE	JOINT
Surface	8-5/8"	o - 1175"	1175'	24#/ft	28,200	J-55	ST&C
Production	5-1/2"	6000'-5200' 5200' -0'	800' 5200'	15.5#/ N	12,400# 72,800#	J-55 J-55	LT&C ST&C
		3200 -0	3200		72,800#	1-33	21&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 Ft³, 836 Ft³
Recommended Volume	996 Ft ³	2778 Ft³, 3004 Ft³
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 ft ³ /sk Tail: 1.34 ft ³ /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

PROPERTIES	TREATMENT
Weight: 8.4 - 8.6 Viscosity: 34-36 pH 9-10	Spud Mud: Fresh water gel with sufficient viscosity to clean hole.
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.
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
	Weight: 8.4 - 8.6 Viscosity: 34-36 pH 9-10 Weight: 10.0 - 10.2 Vis 28-29 pH 9-10 Weight 10-10.1 Viscosity 30-31

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-MILL-SGR

7. POTENTIAL HAZARDS:

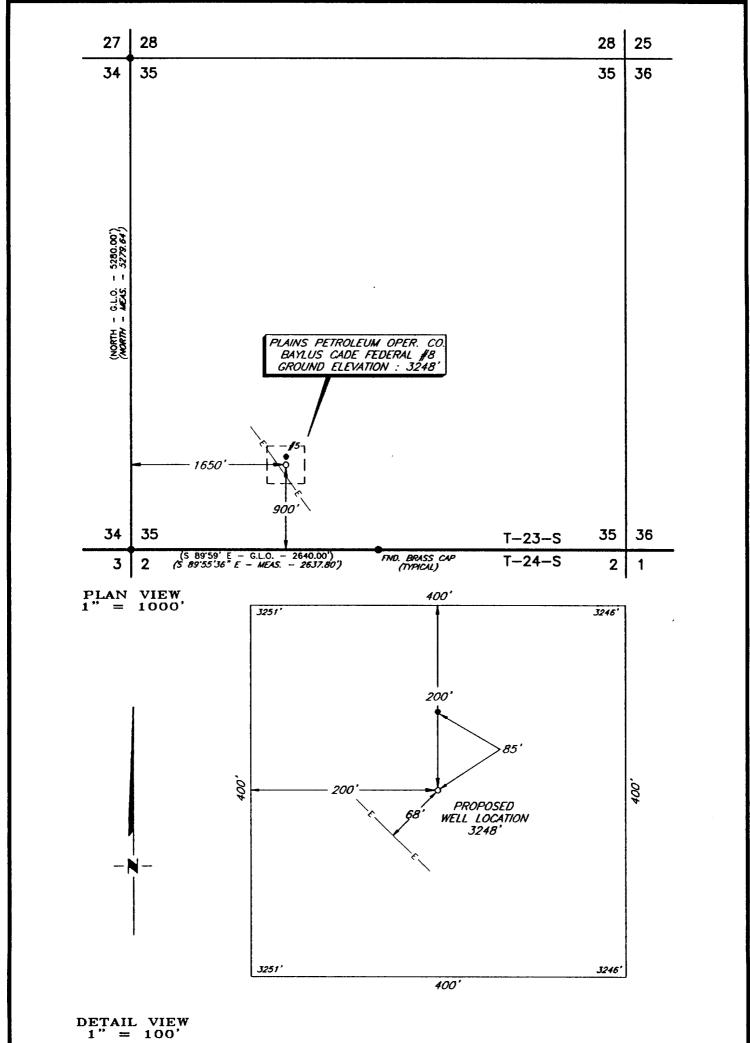
No abnormal pressures or temperatures are anticipated. Hydrogen sulfide Drilling Contingency Plan to be adhered to while drilling this well and was previously filed with the Baylus Cade #7 APD on 9-25-96.

8. ANTICIPATED START DATE:

December 15, 1996 and the well to be completed on or about December 25, 1996.

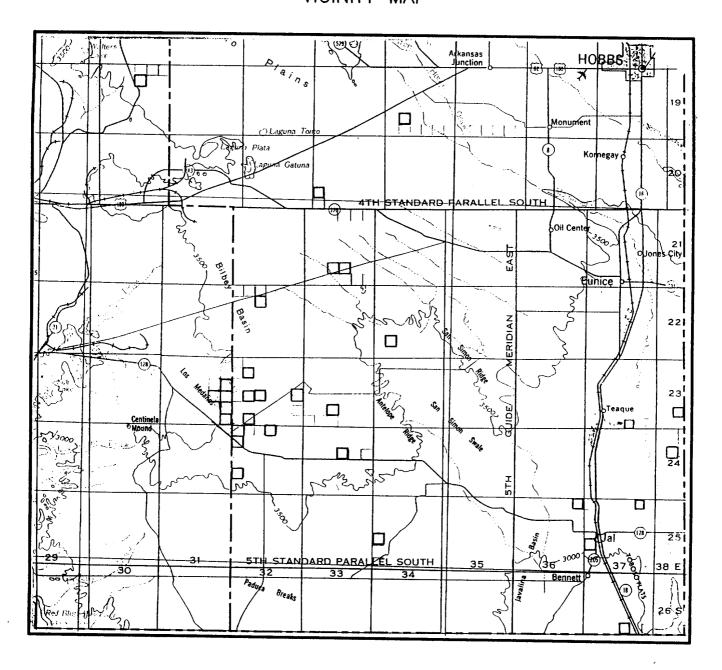
PLAT SHOWING PROPOSED WELL LOCATION AND L. SE ROAD IN SECTION 35, T-23-S, R-37-E, N.M.P.M.

LEA	COU	NTY,	NEW	MEXICO



				DIAING DUMPALEUM ADED GO	SCALE: AS SHOWN
1	LOCATION	9-23-94	V.B.	PLAINS PETROLEUM OPER. CO.	DATE: NOVEMBER 11, 1996
NO.	REVISION	DATE	BY	MIDLAND, TEXAS	JOB NO.: 48379-F
SUR	VEYED BY:	R.J.O.		SURVEYING AND MAPPING BY	
DRA	WN BY:	JSJ		TOPOGRAPHIC LAND SURVEYORS	48 SW
APPI	ROVED BY:	VIR		MIDLAND. TEXAS	SHEET 1 OF 1

VICINITY MAP



SECTION	35 TWP	23-S_	RGE	37-E
SURVEY	NEW MEXICO	PRINCIPAL	MERIDIAN	
COUNTY	LEA	STA	TE NM	
	, 9(_

OPERATOR PLAINS PETROLEUM OPERATING CO. LEASE BAYLUS CADE FEDERAL #8

& STATE HWY. 18 IN JAL, GO NORTH 10.6 MILES ON

STATE HYW. 128, THENCE EASTERLY 2.2 MILES ON

LEASE ROAD, THENCE SOUTHERLY 1.1 MILE ON LEASE

ROAD TO A POINT ±100' NORTHEAST OF THE LOCATION.



This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us.

Review this plat and notify us immediately of any possible discrepancy.

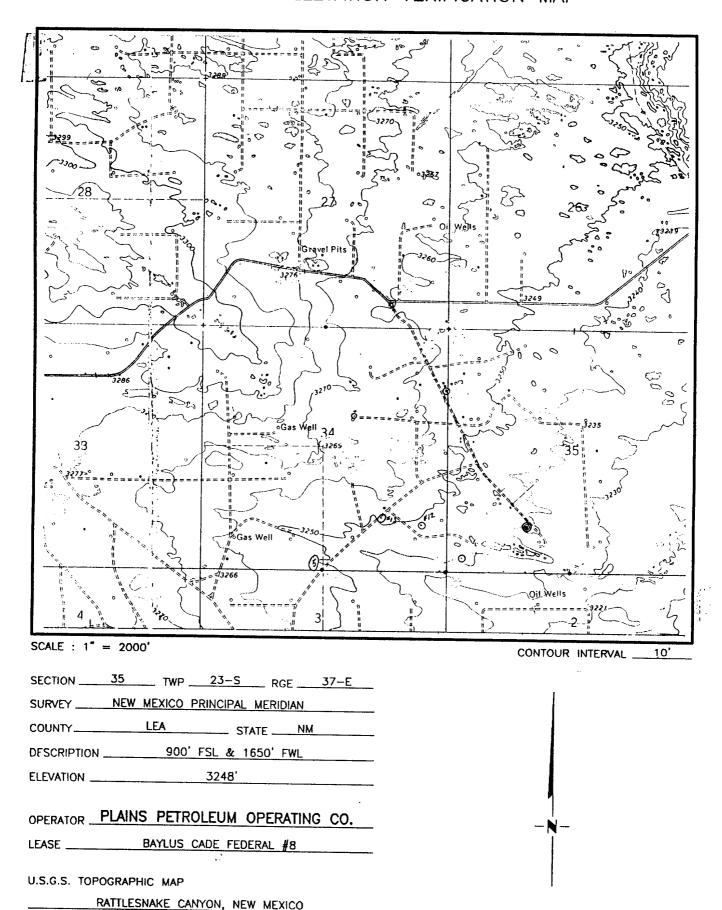
TOPOGRAPHIC LAND SURVEYORS

Surveying & Mapping for the Oil & Gas Industry

1307 N. HOBART PAMPA, TX. 79065 (800) 658-6382 6709 N. CLASSEN BLVD. OKLAHOMA CITY, OK. 73116 (800) 654-3219

2903 N. BIG SPRING MIDLAND, TX. 79705 (800) 767-1653

LOCATION & ELEVATION VERIFICATION MAP



TOPOGRAPHIC LAND SURVEYORS

Surveying & Mapping for the Oil & Gas Industry

1307 N. HOBART PAMPA, TX. 79065 (800) 658-6382

SCALED LAT. ______ N 32'15'22"

LONG. W 103'08'11"

6709 N. CLASSEN BLVD. OKLAHOMA CITY, OK. 73116 (800) 654–3219

2903 N. BIG SPRING MIDLAND, TX. 79705 (800) 767-1653

This location has been very carefully staked on the ground according to the best official survey records,

maps, and other data available to us.

Review this plat and notify us immediately of any possible discrepancy.

PLAINS PETROLEUM OPERATING COMPANY BAYLUS CADE FEDERAL #8 900' FSL & 1650' FWL Sec. 35 (N) T23S, R37E Lea County, New Mexico Lease No.NMLC034711 November 15, 1996

I. Existing Roads:

- A. Exhibit B is a plat showing the proposed wellsite as staked, approximately 10.6 miles NE of Jal, New Mexico.
- B. Exhibit C is a map showing existing roads in the area.
- C. All existing roads will be maintained and repaired as necessary.

II. Access Roads:

- A. The existing access roads to the Baylus Cade Federal #5 will be used to the proposed wellsite as shown on Exhibit C.
- B. Roads are 12 ft wide and constructed of caliche.
- C. No turn arounds, culverts, cuts, gates or cattleguards will be required.
- III. Existing Wells: See Exhibit C
- IV. Location of Tank Batteries:

Existing tank batteries will be used.

- V. <u>Location & Type of Water Supply</u>:
 - A. A fresh water supply well is located on the lease. This fresh water will be used for drilling. Water will be transferred from the pump station to the pits using a temporary polyline.

Plains Petroleum Operating Company BAYLUS CADE FEDERAL #8 Lea County, New Mexico Lease No. NMLC034711 November 15, 1996 Page 2

VI. Source of Construction Materials:

- A. Construction materials will be caliche, which will be obtained by the dirt contractor from caliche pits on the North border of the lease.
- B. Topsoil from the location will be stockpiled near the location for future rehabilitation use.

VII. <u>Method for Handling Waste Disposal</u>:

- A. Cuttings All cuttings will be held in the reserve pit.
- B. Drilling Fluids All drilling fluids will be allowed to evaporate in the reserve pit.
- C. Produced Fluids (oil & water) Any produced fluids will be collected in tanks until hauled to an approved disposal system.
- D. Garbage and Other Waste Material All waste materials will be removed from the lease to a disposal facility.
- VII. Ancillary Facilities: Not Applicable
- IX. Well site Layout: Exhibit A

X. Plans for Restoration of Surface:

- A. After completion of the well, pits will be filled and the location cleaned of all trash and junk to leave the wellsite in good condition.
- B. Any unguarded pits containing fluids will be fenced off and covered with netting until they are filled.
- C. The reserve pit will be backfilled and leveled and the surface returned to its original contour.

Plains Petroleum Operating Company BAYLUS CADE FEDERAL #8 Lea County, New Mexico Lease No. NMLC034711 November 15, 1996 Page 3

XI. Other Information

- A. Topography: Terrain in the general area consists of an undulating plane covered by sandy soils of aeolian material of Holocene age.
- B. Soil: The solid belongs to the typic haplargids paleargids association.
- C. Vegetation: Consists of Quercus havardii, Prosopis juliflora, yucca glauca, Suaeda sp., Euphorbia sp., Aristida sp., Bouteloua eriopoda, Cenchrus incertus, Muhlenbergia arenacea and Sporobolus spp.
- D. Fauna: Consists of Crotalus and sistrurus, canis latrans, lepus alleni and mephitis.
- E. The surface of this land is being utilized to a limited extent as grazing land for cattle.
- F. The surface is privately owned.
- G. No cultural resources or archaeological sites present.

XII. Company Representative:

James R. Sutherland Plains Petroleum Operating Company 415 W. Wall, Suite 1000 Midland, TX 79701 Phone (915) 683-4434

Plains Petroleum Operating Company BAYLUS CADE FEDERAL #8 Lea County, New Mexico Lease No. NMLC034711 November 15, 1996 Page 4

XIII. Certification

I hereby certify that I have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge true and correct: and, that the work associated with the operations proposed herein will be performed by Plains Petroleum Operating Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which is approved. This statement is subject to the provisions of 18 USC 1001 for the filing of a false statement.

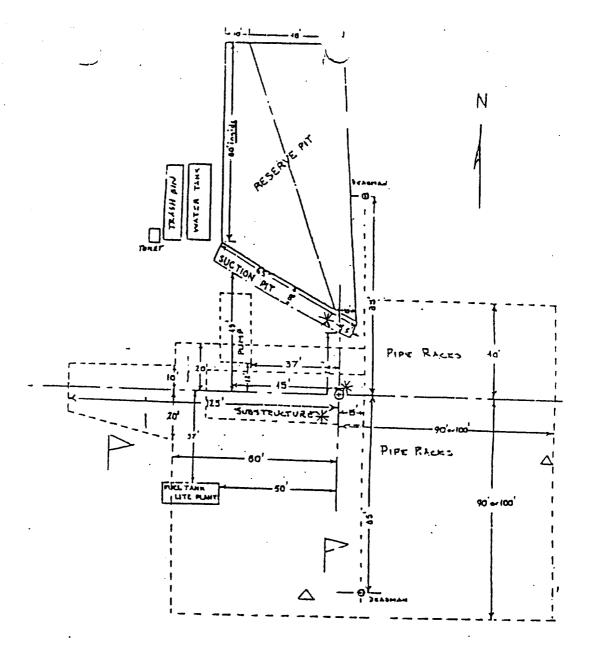
James R. Sutherland District Manager

Plains Petroleum Operating Company

EMERGENCY NOTIFICATION

PLAINS PETROLEUM OPERATING COMPANY 415 West Wall Street, Suite 1000 Midland, Texas 79701 915/683-4434

Jim Sutherland	Residence	915/683-3519
Rodney Long	Residence Cellular	915/524-3822 915/528-2066
Steve Owen	Residence	915/683-4325



- WIND DIRECTION INDICATORS

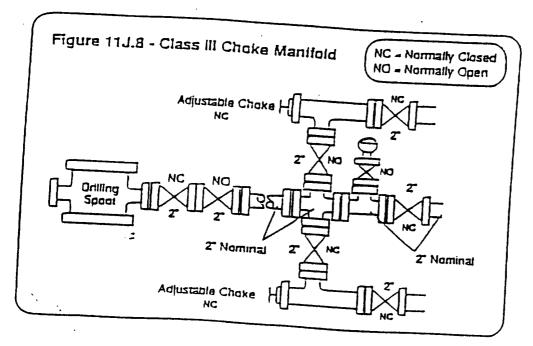
- SAFE BRIEFING AREAS

+ - Has ALARM SENSORS

EXHIBIT 'A'

The Class III choke manifold is suitable for Class III workovers and drilling operations. The Standard Class III choke manifold is shown in Figure 11J.8 below. Specific design features of the Class III manifold include:

- 1. The manifold is attached to a drilling spool or the top ram preventer side outlet.
- 2. The minimum internal diameter is 2" (nominal) for outlets, flanges, valves and lines.
- Includes two steel gate valves in the choke line at the drilling spool outlet. The inside choke fine valve may be remotely controlled (HCR).
- 4. Includes two manually adjustable chokes which are installed on both side of the manifold cross. Steel isolation gate valves are installed between both chokes and the cross, and also downstream of both chokes.
- 5. Includes a blodey fine which runs straight through the cross and is isolated by a steel gate valve.
- 6. Includes a valve isolated pressure gauge suitable for diffing service which can display the casing pressure within view of the choke operator.
- 7. Returns through the choke manifold must be divertible through a mud-gas seperator, and then be routed to either the shale shaker or the reserve pit through a buffer tank or manifold arrangement.
- 8. If the choke manifold is remote from the wellhead, a third master valve should be installed immediately upstream of the manifold cross.



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 bottom. The choke and kill lines are installed onto the drilling spool and must have a minimum internal diameter of 2°. All side outlets on the preventers or drilling spool must be flanged, studded, or clamped. An emergency kill line may be installed on the wellhead. A double ram prevenier should only be used when space unitations make it necessary to remove the drilling spool. In these instances, the choke marriold should be connected to a flanged outlet between the preventer rams in this hookup, the pipe rams are considered master rams only, and cannot be used to routinely directlate out a kick. The Class III blowout preventer stack is shown to the right in Figure 11J.4.

