offait 5 Copies propriate District Office TRICT I DISTRICT | P.O. Box 1980, Hobbs, NM 88240

## State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410

DISTRICT II P.O. Drawer DD, Artesia, NM \$8210

REQUEST FOR ALLOWABLE AND AUTHORIZATION

	TC	TRANS	PORT OIL	AND NAT	JRAL GA	S	UN <sub>O</sub>		<del></del>
Plade Patrolaus On					Well API No. 3004120853				
Plains Petroleum Ope	erating	Company			7070		2004120		
415 W. Wall, Suite	2110		Midland	d, Texas				<del>-</del>	
	Change in Transporter of: Oil Dry Gas Caninghead Gas Condensate			Other (Please explain) Approval to flare casinghea this well must be obtained BUREAU OF LAND MANAGEMENT			from the		
hange in Operator L	Cinagneta								
d address of previous operator				· · · · · ·					
L DESCRIPTION OF WELL A  AND Name  Bluitt San Andres Unit	W	Vell No.   Poo	o <mark>l Name, Iscludia</mark> luitt San	Andres Assoc Kind of Lease No.  State, Federal or Fee NM 044216					
Octation P Unit Letter P	:6	660 Fee	t From The So	outh Line and 660 Feet From The East Line					
Section 13 Township	8S	Ra	nge 37	E NN	IPM,	Rooseve	1t	<del> </del>	County
II. DESIGNATION OF TRANS	PORTER	OF OIL	AND NATUE	RAL GAS					
Name of Authorized Transporter of Oil	X	or Condensate		Address (Giw	address to wi				nt)
	Pride Pipeline Company			Box 2436 Ab11ene, Texas 79604  Address (Give address to which approved copy of this form is to be sent)					
Name of Authorized Transporter of Canagi	horized Transporter of Casinghead Gas or Dry Gas								
If well produces oil or liquids, give location of tanks.	Unit S	Sec.   TV   / 3   8	7 Rge. 5 37E	is gas actuali	connected?	When	?		
f this production is commingled with that f	rom any other	r lease or poo	i, give comming	ing order num	жг:				
V. COMPLETION DATA		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Designate Type of Completion		X Ready to Pr	<u> </u>	X Total Depth	l	1	P.B.T.D.	l	
Date Spudded 4-16-90	5-27		ou.		900 -	-	484	0	
Elevations (DF, RKB, RT, GR, esc.)	Name of Pro	oducing Form	ation	Top Oil/Gas			Tubing Dep		
GL 3989	San A	ndres		46	58		Depth Casin		·
Perforations 4658-4686	5						<u> </u>		
	T	UBING, C	ASING AND	CEMENTI	NG RECO	ช			
HOLE SIZE	CAS	ING & TUB	ING SIZE		DEPTH SE		300	SACKS CEM	IENT
12-1/4"	<del></del>	8-5/8"		52	5		300		
7-7/8"	5-1/2"			489	5.52 KB		1120		
V. TEST DATA AND REQUES	ST FOR A	LLOWAL	BLE				_l		
OIL WELL (Test must be after t	ecovery of 10	eal volume of	load oil and mus	1 be equal to o	r exceed top a	lowable for th	is depth or be	for full 24 ho	urs.)
Date First New Oil Run To Tank	Date of Tes			Producing M	leuhod († 1000, j	ownp, gas iyi,	eic.j		
5-27-90	T. Maria Barana		Casing Pressure			Choke Size			
Length of Test  24 hrs	15			30			pump		
Actual Prod. During Test	Oil - Bbls.			Water - Bbi	<b>L</b>		Ga- MCF TSTM		
33 bbls		3_		31	<u> </u>		1 13111		
GAS WELL		w		Bhi Can	male/MMCF		Gravity of	Condensate	
Actual Prod. Test - MCF/D	Length of Test			Bbls. Condensate/MMCF					
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)			Casing Pressure (Shul-in)			Choke Size		
VI. OPERATOR CERTIFIC  I hereby certify that the rules and regu- Division have been complied with and is true and complete to the best of my	alations of the d that the info knowledge a	Oil Conserve emation gives and belief.	ation	Dat	OIL CO		F 1	<u>₹</u> 14.4	ON 
Signature Signature			- T 1-	By A THREE CONTINUES OF THE					
Printed Name	Bonnie Husband Engineering Tech Tide (915) 683-4434			Title					
6-19-90 Date		Teles	phone No.	11					

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

WELL COMPLETION OR RECOMPLETION PORT AND LOG  IA. TYPE OF WELL:  WILL WILL WILL WILL WILL WILL WILL WIL
WELL COMPLETION OR RECOMPLETION REPORT AND LOG  1A. TYPE OF WELL:  WELL WILL WILL WILL WILL WILL WILL WILL
BRILL WRITE OF COMPLETION:    NAW   WIRK   WIRK   PARK   P
Bluitt San Andres Unit  N. PARN OR LEASE MAME  Bluitt San Andres Unit  N. PARN OR LEASE MAME  Bluitt San Andres Unit  N. PARN OR LEASE MAME  3. AREA COde & Phone No. 915 683-4434  3. AREA COde & Phone No. 915 683-4434  3. AREA CODE & Phone No. 915 683-4434  3. WELL NO.  3. AREA CODE & Phone No. 915 683-4434  3. WELL NO.  16  10. FIELD AND FOOL, OR WILDCAT  Bluitt San Andres Unit  N. PARN OR LEASE MAME  16  10. FIELD AND FOOL, OR WILDCAT  Bluitt San Andres Unit  N. PARN OR LEASE MAME  16  10. FIELD AND FOOL, OR WILDCAT  Bluitt San Andres Unit  N. PARN OR LEASE MAME  16  10. FIELD AND FOOL, OR WILDCAT  Bluitt San Andres Unit  N. PARN OR LEASE MAME  16  10. FIELD AND FOOL, OR WILDCAT  Bluitt San Andres Unit  N. PARN OR LEASE MAME  16  10. FIELD AND FOOL, OR WILDCAT  Bluitt San Andres Unit  N. PARN OR LEASE MAME  16  10. FIELD AND FOOL, OR WILDCAT  Bluitt San Andres Unit  N. PARN OR LEASE MAME  16  10. FIELD AND FOOL, OR WILDCAT  Bluitt San Andres Unit  N. PARN OR LEASE MAME  16  10. FIELD AND FOOL, OR WILDCAT  Bluitt San Andres Unit  N. PARN OR LEASE MAME  16  10. FIELD AND FOOL, OR WILDCAT  Bluitt San Andres Unit  N. PARN OR LEASE MAME  16  10. FIELD AND FOOL, OR WILDCAT  Bluitt San Andres Unit  N. PARN OR LEASE MAME  16  10. FIELD AND FOOL, OR WILDCAT  Bluitt San Andres Unit  Bluitt San Andres  16  10. FIELD AND FOOL, OR WILDCAT  Bluit San Andres  Bluitt San Andres  16  10. FIELD AND FOOL, OR WILDCAT  Bluit San Andres  Bluitt San Andres  16  10. FIELD AND FOOL, OR WILDCAT  Bluit San Andres  16  10. FIELD AND FOOL, OR WILDCAT  Bluit San Andres  16  10. FIELD AND FOOL, OR WILDCAT  Bluit San Andres  Bluit San Andres  16  10. FIELD AND FOOL, OR WILDCAT  Bluit San Andres  No ARCA  18  19
2. HAME OF OFERATOR Plains Petroleum Operating Company  3. AFFI Code 6 Phone No. 915 683-4434  3. APPLEAS OF OPERATOR 415 W. Wall, Suite 2110  Midland, Texas 79701  4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At sourface Unit Letter P 660' FSL & 660' FEL At top prod. Interval reported below At total depth  98. API Well No. 3004120853  3. APPL Well No. 3004120853  14. PERMIT NO. DATE INNUED 3. DATE SPUDDED 4-16-90 4-25-90 4-25-90  20. TOTAL DEPTH, WO A TYD 4840  21. PLUG, BACK T.D., NO A TYD 4840  22. IF MILITIPLE COMPL. HOW MANY*  23. INTERVALIAN ROTARI TOOLS DATE TOOLS DATE TOOLS ABOUT TOOLS DATE MADE NO  25. WAS DIRECTIONAL BURNEY MADE NO  26. TOTAL DEPTH, WO A TYD DLL, ML, CNL, CDL, GT  DLL, ML, CNL, CDL, GT  CASING RECORD (Report all strings set in well)  CASING RECORD (Report all strings set in well)  CASING RECORD (Report all strings set in well)
2. NAME OF OFERATOR Plains Petroleum Operating Company  3. After Code 6 Profes No. 915 683-4434  3. Anders of of ferators 415 W. Wall, Suite 2110  Midland, Texas 79701  4. Location of Will, (Report location clearly and in accordance with any State requirements)*  At surface Unit Letter P 660' FSL & 660' FEL  At top prod. interval reported below At total depth  9a. API Well No. 3004120853  3. Apr Well No. 3004120853  3.
Plains Petroleum Operating Company  3. Address Of Operator 4. 15 W. Wall, Suite 2110  4. Iccuation of Will (Report location clearly and in accordance with any State requirements)*  At sourface Unit Letter P 660' FSL & 660' FEL  At top prod. Interval reported below At total depth  9a. API Well No. 3004120853  15. Date studded 4-16-90 4-25-90 4-25-90 5-3-90  20. Total Depth, No a tvo 21. Plug, Back t.D., No A tvo 4840  22. If Militial Count. How Many: How Many:  23. Interval: How Many:  24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (ND AND TVD):  25. Was Billed No. 360-4686  26. Type Electric AND OTHER LOGS RUN DLL, ML, CNL, CDL, Gr  27. Was Well Cored No  28. CASING RECORD (Report all strings set in world)  29. CASING RECORD (Report all strings set in world)  20. CASING RECORD (Report all strings set in world)  20. CASING RECORD (Report all strings set in world)
415 W. Wall, Suite 2110 Midland, Texas 79701  4. Location of well (Report location clearly and in accordance with any State requirements)*  At surface  Unit Letter P 660' FSL & 660' FEL  At top prod. Interval reported below  At total depth  At total depth  9a. API Well No. 3004120853  14. PERMIT No. DATE INNUED 3-23-90  15. DATE SPUDDED 16. DATE T.D. REACHED 17. PATE COMPL. (Ready to prod.) 18. ELEVATIONS (OF, REB., RT., GE, ETC.)*  10. FIELD AND POOL, OE WILDCAT  Bluitt San Andres Assoc.  11. SEC., T., R., M., ON BLOCK AND BURYEY OR AREA  Sec. 13, T8S, R37E  12. COUNTY OR 13. STATE PARISH  ROOSEVELT New Mexico  15. DATE SPUDDED 16. DATE T.D. REACHED 17. PATE COMPL. (Ready to prod.) 18. ELEVATIONS (OF, REB., RT., GE, ETC.)*  10. FIELD AND POOL, OE WILDCAT  Bluitt San Andres Assoc.  11. SEC., T., R., M., ON BLOCK AND BURYEY OR AREA  Sec. 13, T8S, R37E  12. COUNTY OR 13. STATE PARISH  ROOSEVELT New Mexico  15. DATE SPUDDED 16. DATE T.D. REACHED 17. PATE COMPL. (Ready to prod.) 18. ELEVATIONS (OF, REB., RT., GE, ETC.)*  10. FIELD AND POOL, OE WILDCAT  11. SEC., T., R., M., ON BLOCK AND BURYEY OR AREA  Sec. 13, T8S, R37E  12. COUNTY OR 7. NO.  13. STATE PARISH  ROOSEVELT New Mexico  10. FIELD AND POOL, OE WILDCAT  11. SEC., T., R., M., ON BLOCK AND BURYEY OR AREA  11. SEC., T., R., M., ON BLOCK AND BURYEY OR AREA  12. COUNTY OR PARISH  ROOSEVELT New Mexico  12. COUNTY OR PARISH  ROOSEVELT NEW MEXICO  13. STATE  PARISH  ROOSEVELT NEW MEXICO  14. PERMIT NO.  3989 GL  25. WAR DIRECTIONAL SULVEY MADE  NO  26. TYPE ELECTRIC AND OTHER LOGS RI'N  NO  27. WAS WELL CORED  NO  27. WAS WELL CORED  NO  28. CASING RECORD (Report all strings set in well)  CASING RECORD (Report all strings set in well)
At surface  Unit Letter P 660' FSL & 660' FEL  At top prod. interval reported below  At total depth  9a. API Well No. 3004120853  14. PERMIT NO. DATE INNUED 3-23-90  15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF. RKS, RT, GR. ETC.)*  4-16-90  4-25-90  5-3-90  19. ELEV. CASINGHEAD 4900'  20. TOTAL DEPTH, WD A TYD 21. PLUG, BACK T.D., NO A TYD 110W MANT*  4900'  4840  21. PRODUCING INTERVAL(3), OF THIS COMPLETION—TOP, BOTTOM, NAME (ND AND TYD)*  22. WAS WELL CORED NO  23. CASING RECORD (Report all strings act in well)
At top prod. Interval reported below  At top prod. Interval reported below  At total depth  9a. API Well No. 3004120853  14. PERMIT NO. DATE INNUED 3-23-90  15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE CONFL. (Ready to prod.) IN. ELEVATIONS (OF, REB, RT, GE, ETC.)*  17. DATE SPUDDED 4-25-90  18. DATE SPUDDED 4-25-90  19. DATE SPUDDED 4-25-90  19. DATE SPUDDED 4-25-90  20. TOTAL DEPTH, MD A TVD 21. PLUG, BACK T.D., MD A TVD 10N MANY*  10N MANY*  21. PLUG, BACK T.D., MD A TVD 22. IF MILITIPLE CONFL. 23. INTERVALS DAILLED BY 4900  24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (ND AND TVD)*  25. WAR DIRECTIONAL SURVEY MADE  NO  26. TYPE ELECTRIC AND OTHER LOGS RI'N DLL, ML, CNL, CDL, GT  CASING RECORD (Report all strings set in well)  CASING RECORD (Report all strings set in well)  CASING RECORD (Report all strings set in well)  AMOUNT FULLED
At total depth  9a. API Well No. 3004120853  13. DATE SPUDDED 4-16-90  4-25-90  20. TOTAL DEPTH. MD A TYD 4900'  21. PLUG. BACK T.D., MD A TYD 4840  22. IF MULTIPLE COMPL. HOW MANY'  24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TYD)'  25. WAR DIRECTIONAL BUSYET MADE  4658-4686  26. TYPE ELECTRIC AND OTHER LOGS RUN DLL, ML, CNL, CDL, Gr  27. WAS WELL CORED DLL, ML, CNL, CDL, Gr  28. CASING RECORD (Report all strings set in well)
At total depth  9a. API Well No. 3004120853  14. PERMIT NO. 3004120853  15. DATE SPUDDED 4-16-90  16. DATE T.D. REACHED 17. DATE CONFL. (Ready to prod.) 4-16-90  18. ELEVATIONS (DF. RRB, RT. GE, ETC.)*  19. ELEV. CASINGHEAD 4-16-90  20. TOTAL DEPTH. MD A TYD 4840  21. PLUG. BACK T.D., MD A TYD 4840  22. IF MILITIPLE CONFL., HOW MANY*  23. INTERVAL'S DRILLED BY 4900  24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TYD)*  25. WAR DIRECTIONAL SURVEY MADE  A658-4686  26. TYPE ELECTRIC AND OTHER LOGS RI'N DLL, ML, CNL, CDL, GT  CASING RECORD (Report all strings set in well)  CASING RECORD (Report all strings set in well)  CASING RECORD (Report all strings set in well)
9a. API Well No. 3004120853  14. PERNIT NO. DATE INNUED 3-23-90  12. COUNTY OR PARISH ROOSEVELT New Mexico 13. Date spudded 4-16-90  4-25-90  15. Date to reached to prod.) 16. Date to reached to part. (Ready to prod.) 4-25-90  20. Total Depth. Wd a tyd 4900  21. Plug. Back t.d., Nd a tyd 4840  22. If MULTIPLE COMPL. HOW MANY's  12. INTERVAL: BOTART TOOLS CABLE TOOLS 4900  24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (ND AND TYD)'s  25. WAR DIRECTIONAL BURYET MADE  4658-4686  No  27. WAS WELL CORED DLL, ML, CNL, CDL, GT  CASING RECORD (Report all strings set in well)  CASING RIZE  CASING RECORD ROOM CEMENTING RECORD AMOUNT FULLED
3004120853  3-23-90 ROSEVELT NEW MEXICO  13. DATE SPUDDED 16. DATE T.D. REACHED 17. PATR CONFL. (Ready to prod.) 18. ELEVATIONS (DF. RKB, RT., GR. ETC.)* 19. ELEV. CASINGHEAD  4-16-90 4-25-90 5-3-90 3989 GL  20. TOTAL DEPTH. MD & TYD 21. PLUG. BACK T.D., MD & TYD 22. IF MULTIPLE COMPL., 100 MANY* 100 MIN MANY
3004120853  3-23-90 ROOSEVELT New Mexico  15. Date studded 16. Date t.d. reached 17. date compl. (Ready to prod.) 18. elevations (bf. rrr, rt, Gr. etc.). 19. elev. Casinghead 4-16-90 4-25-90 5-3-90 3989 GL  20. total depth. wd a tyd 21. plug. back t.d., md a tyd 22. if multiple compl. 19. date tools 19. drilled by 4900 24. producing interval(s), of this completion—top, bottom, name (md and tyd). 25. war directional survey made No  24. producing interval(s), of this completion—top, bottom, name (md and tyd). 25. war directional survey made No  26. type electric and other logs rin No  27. was well cored No  28. Casing record (Report all strings set in well)  Casing size weight, lb/ft. Defth set (md) Hole size Cementing second Amount fulled
16. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE CONFL. (Ready to prod.) 18. ELEVATIONS (DF. REB., RT., GR. ETC.)* 19. ELEV. CASINGHEAD 4-16-90 4-25-90 5-3-90 3989 GL  20. TOTAL DEFTH. MD & TVD 21. PLUG. BACK T.D., MD & TVD 4840 22. IF MULTIPLE CONFL. 123. INTERVALS BOTARY TOOLS CABLE TOOLS 4900' 4840 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (ND AND TVD)* 25. WAR DIRECTIONAL SURVEY MADE NO  24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (ND AND TVD)* 25. WAS WELL CORED DLL, ML, CNL, CDL, Gr NO  26. TYPE ELECTRIC AND OTHER LOGS RI'N NO  27. WAS WELL CORED NO  28. CASING RECORD (Report all strings set in well)  CASING SIZE WEIGHT, LB/FT. DEFTH RET (MD) HOLE SIZE CEMENTING RECORD AMOUNT FULLED
20. TOTAL DEPTH, MD A TVD 21. PLUG, BACK T.D., MD A TVD 22. IF MULTIPLE COMPL., DRILLED BY 4900 CABLE TOOLS 4900 PRILLED BY 49
4900 THIS CONFLETION—TOP, BOTTOM, NAME (ND AND TVD)*  24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (ND AND TVD)*  25. WAR DIRECTIONAL BURYET MADE  A658-4686  NO  26. TYPE ELECTRIC AND OTHER LOGS RI'N DLL, ML, CNL, CDL, Gr  CASING RECORD (Report all strings set in well)  CASING RIZE  CASING RECORD (Report all strings set in well)  AMOUNT PULLED
26. TYPE ELECTRIC AND OTHER LOGS RI'N DLL, ML, CNL, CDL, Gr  CASING RECORD (Report all strings set in well)  CASING SIZE WEIGHT, LE/FT. DEPTH SET (MD) HOLE SIZE CEMENTING RECORD AMOUNT FULLED
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL, ML, CNL, CDL, Gr  CASING RECORD (Report all strings set in well)  CASING SIZE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE CEMENTING RECORD AMOUNT FULLED
DLL, ML, CNL, CDL, Gr  29.  CASING RECORD (Report all strings set in well)  CASING RIZE WEIGHT, LB./FT. DEPTH RET (MD) HOLE RIZE CEMENTING RECORD AMOUNT PULLED
CASING RIZE WEIGHT, LEAFT. DEPTH RET (MD) HOLE RIZE CEMENTING RECORD AMOUNT PULLED
CASING RIZE WEIGHT, LEAFT. DEFTH SET (MD) HOLE SIZE CEMENTING SECORD AMOUNT PULLED
9_5/9" 20# 576 17=1/4 300 sv Class C 1 Ctrc 10 sv s
6-5/6 20# 520 12 1/4 500 SA 01435 0 0112 50 CA 5
5-1/2" 14# 4896.52 KB 7-7/8" 1120 sx Poz + 200 Sx C
29. LINER RECORD 30. TUBING RECORD  SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT® SCREEN (MD) SIZE DEPTR SET (MD) PACKER SET (MD)
### TOP (MD)   BOTTOM (MD)   SACKS CEMENT®   RCREEN (MD)   ### ### ###########################
2-378 4030
31. PERFORATION RECORD (Internal, suc and number)   32. ACID. SHOT. FRACTURE, CEMENT SQUEEZE, ETC.
4658-4686 W/2HPF BEPTH INTERTAL (MD) AMOUNT AND KIND OF MATERIAL USED
4658-4686 2500 Gal 15% HCl BDA
33.º PRODUCTION  PAGE FIRST PRODUCTION   PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)   WELL STATUS (Producing or
5-27-90 2"x1-1/2"x12' Producing
DATE OF THET HOURS TESTED CHOKE SIZE PROD'N. FOR QIL-BSL. GAS-MCF. WATER-BSL. GAS-OIL BATIO
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
15 CALCULATED OIL BRIEF OIL GRAVITY API (CORR.)
34. DIRPOSITION OF GAB (Sold, used for fuel, venied, etc.) TEST WITNESSED BY
JUN 2 9 1990
i lill b C (330 )
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

San Andres P3 4/30 4632 011  San Andres P3 4/30 4750 Water  C. C	•					יכני כלפון יוכניווף בווב פוובייון לינניפליינין ביונ	32.		
San Andres P1 4590 4632 011 San Andres P2 4680 011 San Andres P3 4730 4750 Water  Andres P3 4730 4750 Water	FORMATION	TOP	BOTTOM		ESCRIPTION, CONTENTS	1, ETC.		1	TOP
San Andres P1 4590 4632 011 San Andres P2 4655 4680 011 San Andres P3 4730 4750 Water  San Andres P3 4730 4750 Water	i e						NAK N	MEAS, DEPTH	TRUE VERT, DEPTH
Andres P2 4655 4660 011  Andres P3 4750 Water  Andres P3 4750 Water  Andres P3 4750 Water	P1	4590	4632	011			Pi	4398	4398
Mater Andree P3 4730 4730 4730 4730 4730 4730 4730 473	P2	4655	4680	011		771 :		•	
		4730	4750	Water	 	2.73 2.73			
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Deviation surveys taken on Plains Petroleum Company's BSA #1316 well in Roosevelt County, New Mexico:

Depth	Degree
476	1.00
965	1.00
1463	1.00
1952	. 75
2461	1.00
2953	1.00
3474	.50
3960	1.00
4280	1.25
4900	1.50

I hereby certify that I have personal knowledge of the facts placed on this sheet and that such information given above is true and complete.

Norton Drilling Company

Before me, the undersigned authority, on this day personally appeared Sherman H. Norton, Jr., known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the drilling contractor of the well identified in this instrument and that such well was not intentionally deviated from the vertical whatsoever.

Sherman H. Norton, Jr.

SWORN AND SUBSCRIBED TO before me this 8th day of May 1990.

PAT FARREST

Resp PAGE Trace of Trace

And Security Page 1999

Notary Public in and for Lubbock County, Texas.