DISTRICT I

DISTRICT II

DISTRICT III

DISTRICT IV

2.0. Box 1980, Hobbs, NM 88241-1980

1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box Drawer DD, Artesia, NM 88211-0719

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101 Revised February 10,1994

Instructions on back

Submit to Appropriate District Office

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

State Lease - 6 Copies Fee Lease - 5 Copies

Corporation Name and Address Corporation Name	P.O. Box 208				MIT TO E	ORILL, RE-E	NTER,	DEEPEN, PL	.UGBACK, OR			ED REPORT
P.O. Box 3109, Middand Texas 78702 **Property Code** **Proposed Bottom Hole Location If Different From Surface* **Proposed Bottom Hole Location If Different From Surface* **Proposed Pool I Tournship Range** **I 1950* **Proposed Pool I Tournship Range** **I 1950* **Proposed Pool I Tournship Range** **I 1950* **I 1950	TEVACO E	VDI OBATIC		•	and Address	<u> </u>						
Property Code 11093 Property Code 11093 TSTATE AN TEAM 121 TSTA	. —									1	API N	
Surface Location Township Range Lot Idn Feet From The North/South Line Feet From The Last/West Line County LEA	4 F	•	,							130-0		eli No.
Ui or lot no. Section Township Range 18-S 35-E		11093				7						12
Total	Lit on lot no	Section	Tournship	Panas	1 -4 1-4	1			Feet From The	East/Ma	et line	County
Ul or lot no. Section Township Range Lot.ldn Feet From The Section Township Range Lot.ldn Feet From The South Range County Feet From The EastWest Line County Feet From The Range County Range Range County Range Ran	Ur or lot no.		•	1 -	Lot.ion		1116 140				- · - · · ·	•
UI or lot no. Section Township Range 18-S 35-E 2400 SOUTH B24 EAST CAUNTY EAST LEAST LEAST LEAST Township 18-S 35-E SOUTH SOUTH B24 EAST LEAST LEAST LEAST VACUUM: DEVONIAN, MID Township To	<u> </u>	<u>. </u>		8 Propo	sed Botto	m Hole Loc	ation If	Different Fron	n Surface			
Proposed Pool 1 VACUUM: DEVONIAN, MID *Proposed Pool 1 VACUUM: Devonian Pool VACUUM: DEVONIAN, MID ***Proposed Pool 1 VACUUM: Devonian Pool VACUUM: DEVONIAN, MID ***Proposed Pool 1 VACUUM: Devonian Pool VACUUM: DEVONIAN, MID ***Proposed Pool 1 VACUUM: Devonian Pool VACUUM: DEVONIAN, MID ***Proposed Pool 1 VACUUM: Devonian Pool VACUUM: De	UI or lot no.	Section	Township	'						East/We	st Line	County
Work Type Code 12 WellType Code 13 Rotary or C.T. 14 Lesse Type Code 15 Ground Level Elevation 3859	l I	7				2400		SOUTH			T	LEA
NO ROTARY S 3958* 119 Multiple 17 Proposed Depth 18 Formation 19 Contractor 20 Spud Date 12128* Proposed Casing and Cement Program 21 Proposed Casing and Cement Program SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH SACKS OF CEMENT EST. TOP 14 3/4 11 3/4 11 3/4 428 600* 450 SACKS SURFACE 11 8 5/8 249 3500* 1000 SACKS SURFACE 17 7/8 5 1/2 17 9 11500* 2100 SACKS SURFACE 22 Describe the proposed program. If this application is to DEPPN or PLUG BACK give the date on the present productive zoneand proposed new productive zone. Describe the blowout prevention program. If yell, use additional eheets if necessary. CEMENTING PROGRAM: 23 DESCRIBE THE SACE CASING: 280 SACKS CLASS C W 4% GEL, 2% CC (13.5 PPG, 1.74 CF/S, 9.1 GW/S). F/B 200 SACKS CLASS C W 2% CC (14.8 PPG, 1.3 CF/S, 5.2 GW/S). INTERMEDIATE CASING: 800 SACKS 35/65 POZ H w/ 6% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S, 11.9 GW/S). F/B 200 SACKS CLASS H (15 PPG, 1.19 CF/S, 5.2 GW/S). PRODUCTION CASING: 18 STG - 1300 SACKS 50/50 POZ H w/ 6% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S). DV TOOL (29 6900*: 2nd STG - 600 SACKS 35/65 POZ H w/ 6% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S). HORIZONTAL WELL: PENETRATION POINT SAME AS SURFACE. APPLICATION TO DRILL A HORIZONTAL WELL HAS BEEN FILED. (COPY ATTACHED) 21 Invador certify that the rules and regulations of the 0il Conservation Division have been completed with and that the information given above is true and complete to the best of my knowledge and based. 22 Invador certify that the rules and regulations of the 0il Conservation Division have been completed with and that the information given above is true and complete to the best of my knowledge and based. 23 Invador certify that the rules and regulations of the 0il Conservation Division have been completed with and that the information given above is true and complete to the best of my knowledge and based. 24 Invador Date: AUS 14 1997 Expiration Date:									10 Proposed Po	ol 2		
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Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature C. Wade Howard Title: Title Eng. Assistant OIL CONSERVATION DIVISION ORIGINAL SIGNED BY CRIMIS WILLIAMS DISTRICT I SUPERVISOR Title: Expiration Date:	Describe the CEMENTING SURFACE (CF/S, 6.3 G/ INTERMEDI PPG, 1.19 C PRODUCTION DV TOOL 66 H w/ 2% GE HORIZONT/	blowout prever 3 PROGRAI CASING: 25 W/S) ATE CASIN F/S, 5.2 GW ON CASING 0, 6900': 2nd L, 5% SALT	ntion program, I M: 0 SACKS C G: 800 SAC //S). i: 1st STG - STG - 600 , 1/4# FC (1	Farry. Use addition LASS C w/ 49/ CKS 35/65 PO 1300 SACKS SACKS 35/65 4.2 PPG, 1.35	onal sheets if no 5 GEL, 2% C Z H w/ 6% C 50/50 POZ POZ H w/ 6 5 CF/S, 6.3 C	CC (13.5 PPG, GEL, 5% SALT, H w/ 2% GEL, 1% GEL, 5% SA GW/S).	. 1.74 CF/ , 1/4# FC 5% SALT ALT, 1/4#	S, 9.1 GW/S). Fo (12.4 PPG, 2.14 T, 1/4# FC (14.2 I FC (12.4 PPG, 2	/B 200 SACKS CL CF/S, 11.9 GW/S PPG, 1.35 CF/S, 6 2.14 CF/S, 11.9 G	ASS C w/ 2 6). F/B 200 5 5.3 GW/S). W/S). F/B 2	SACKS (CLASS H (15. 6 KS 50/50 POZ
Printed Name C. Wade Howard Title: Title Eng. Assistant Approval Date: AUS 1.4 1997 Expiration Date:	Division have is true and o	e been complie complete to the	d with and that best of my kno	the information g wledge and belief	iven above			ORIGI	NAL SIGNED B	Y Chills	WILLIA	
Title Eng. Assistant Approval Date: AUS 14 1997 Expiration Date:		-			HNH		1	ved by.				
	Title En	g. Assistant					1	val Date: AUS	14 1997	Expiration D	ate:	
		-		Telepho	ne 68	8-4606						4/47

A

DISTRICT 1

P. O. Box 1980, Hobbs, NM 88240

State of New Mexico Energy, Minerale and Natural Resources Department

Form C-102 Revised February 10, 1994

DISTRICT II

P. D. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV P. O. Box 208P, Santa Fe, NM 87504-2088 OIL CONSERVATION DIVISION

PO Box 2088 Santa Fe, NM 87504-2088

Instructions on back

Submit to Appropriate District Office

State Lease-4 copies

Fee Lease-3 copies

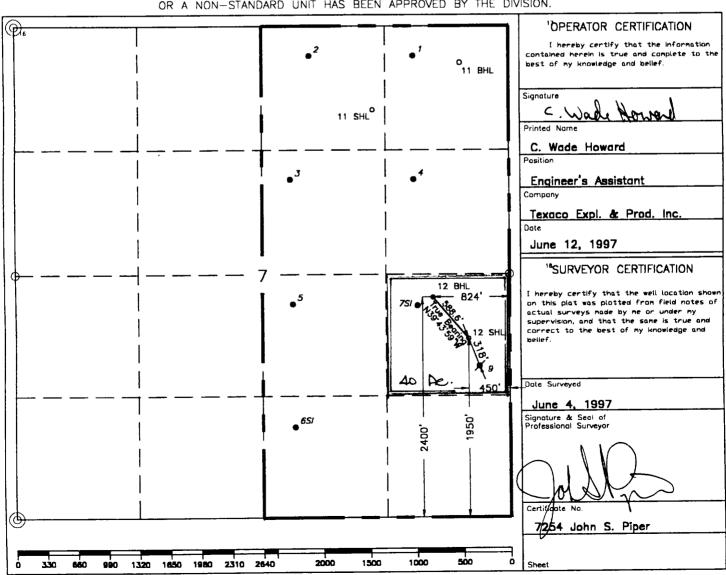
WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Numbi	er	² Pool Code	J Pool Name	
30-025-34	×098	62000	Vacuum; Devonian, Mid	
Property Code	\ 		⁵ Property Name	⁶ Well Number
11093			State "AN"	12
OGRID No.			Operator Name	⁸ Elevation
22351		TEXACO EXPLO	RATION & PRODUCTION, INC.	3959'
<u></u>		¹⁰ S	urface Location	

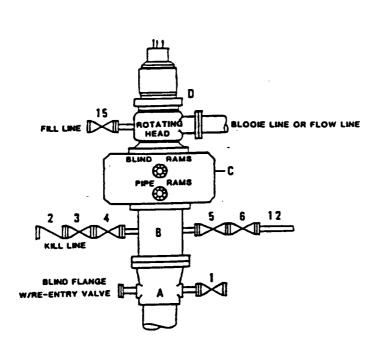
					Surrace L				
UL or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	⁷ County
l l	7	18-S	35-E		1950'	South	450'	East	Lea
			'' B	ottom Hol	e Location If	Different From	Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	⁷ County
1	7	18-S	35-E		2400'	South	824'	East	Lea
12Dedicated Acres	13Joi	nt or Infili	1*Consolid	ation Code	¹⁵ Order No.				
40									

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.

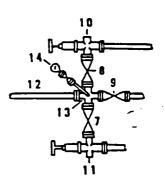


DRILLING CONTROL CONDITION II-B 3000 WP

FOR AIR DRILLING OR WHERE NITROGEN OR AIR BLOWS ARE EXPECTED



H₂S TRIM REQUIRED YES____NO_X



DRILLING CONTROL

MATERIAL LIST - CONDITION II - B

- A Texaco Wellhead
- B 30000 W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- C 3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where substructure height is adequate, 2 3000# W.P. single ram type preventers may be utilized).
- D Rotating Head with fill up outlet and extended Blooie Line.
- 1,3,4, 2" minimum 30008 W.P. flanged full opening steel gate 7,8, valve, or Halliburton Lo Torc Plug valve.
- 2 2" minimum 3000% W.P. back pressure valve.
- 5,6,9 3" minimum 30000 W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 3" minimum schedule 80, Grade "B", seamless line pipe.
- 13 2" minimum x 3" minimum 3000# W.P. flanged cross.
- 10,11 2" minimum 3000# W.P. adjustable choke bodies.
- 14 Cameron Mud Gauge or equivalent (location optional in choke line).
- 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.



TEXACO, INC.



SCALE	DATE	EST NO	DRG. NO.
DRAWN BY		「 t	
CHECKED BY			
APPROVED BY		<u> </u>	

Texaco Exploration and Production inc.

June 19, 1997

GOV - STATE AND LOCAL GOVERNMENTS Directional Drilling - Horizontal State "AN" Well No. 12 Vacuum Devonian, Mid Field Lea County, New Mexico

State of New Mexico Energy and Minerals Department Oil Conservation Division 2040 South Pacheco Santa Fe, New Mexico 87505

Attention: Mr. Michael E. Stogner

Gentlemen:

Administrative approval, Rule 111 D, is requested to directionally drill a horizontal well to an orthodox bottomhole location in the Devonian formation.

This well is a candidate for horizontal drilling due to the fractured nature of the Devonian. The Devonian exhibits a strong water drive. By horizontal drilling, the effects of water coning should be minimized resulting in a more economical recovery of reserves. Attached for your information is a copy of our directional plans, a type log section, and Form C-102.

The "affected" offset operators to this well have been notified of this request (see attached offset operator's list and certified mail receipts).

Any questions concerning this request should be directed to me at (915) 688-4606.

Yours very truly,

C. W. Howard

Engineer's Assistant

Lowood shows.

CWH:

CC: NMOCD, P. O. Box 1980, Hobbs, NM 88240

Attachments

I

DISTRICT 1
P. O. Box 1980, Hobbs, NM 88240

DISTRICT # P. O. Drawer DD, Artesia, NM 58210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV

P. D. Box 2088, Sonto Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088 Santa Fe, NM 87504-2088 Form C-102 Revised February 10, 1994

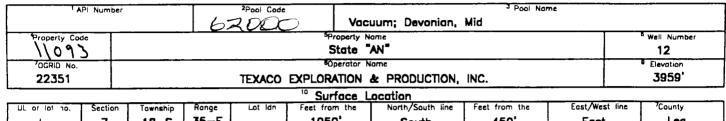
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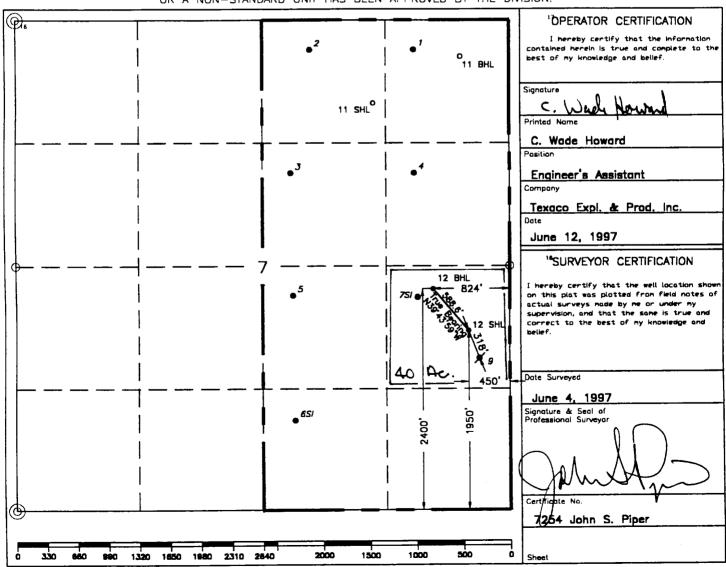
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT



	1	7	18 - S	35-E		1950'	South	450'	Eost	Lea
_				11 B	attom Ho	e Location If	Different From	Surface		
Г	UL or lot no.	Section	Township	Rønge	Lot idn	Feet from the	North/South line	Feet from the	East/West line	⁷ County
	1	7	18-S	35-E		2400'	South	824'	East	Lea
Г	Dedicated Acres	1370	int or Infill	14Consolid	ation Code	¹⁵ Order No.			•	
	40			_						

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.





and Production Inc.

500 North Lorains Midland TX 79701

P O Box 3109 Midland TX 79702

June 19, 1997

GOV - STATE AND LOCAL GOVERNMENTS
Directional Drilling
State "AN" Well No. 12
Sec. 7, T-18-S, R-35-E
Lea County, New Mexico

TO THE OFFSET OPERATORS

Gentlemen:

As an offset operator to the captioned lease, you are being furnished with a copy of our Application to directionally drill the captioned well. If you have no objection, please sign the waiver at the bottom of this letter and return in the enclosed envelope.

Any questions concerning this request should be directed to me at (915) 688-4606.

Yours very truly,

Engineer Assistant

C. W. Howard

CWH: cwh

File

WAIVER APPROVED:

COMPANY:

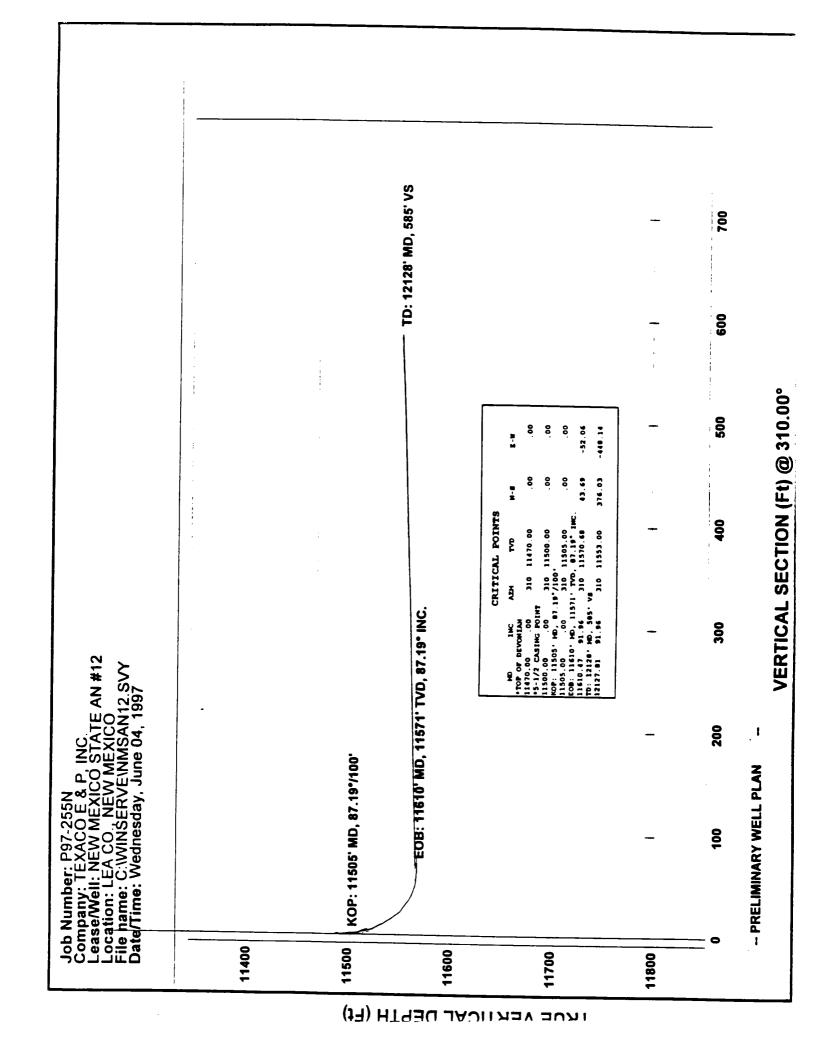
DATE:

OFFSET OPERATOR'S LIST State "AN" Well No. 12 LEA COUNTY, NEW MEXICO

Texaco Exploration and Production Inc. P. O. Box 3109 Midland, Texas 79702

Penroc Oil Corporation P. O. Box 5970 Hobbs, NM 88241

on the reverse sid	SENDER: a Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so that we card to you. Attach this form to the front of the malipiece, or on the back if space permit. Write *Return Receipt Requested* on the malipiece below the article The Return Receipt will show to whom the article was delivered and delivered.	e does not	I also wish to re following service extra fee): 1. Address 2. Restrict Consult postma:	es (for an see's Address ed Delivery
<u>B</u>	3. Article Addressed to:	4a. Article Nu	mber	
completed	Penroc Oil Corporation	P 497	394 202	1
Ē	P. O. Box 5970	4b. Service T		
	Hobbs, New Mexico 88241	☐ Registere	• •	XIX Certified
S		☐ Express N	Aail	
ADDRESS		XX Return Rec	eipt for Merchandise	
₹		7. Date of De		
Ξ -			-	
뵙_	1 - 2 10/0/1/00	8. Addressee' and fee is p	s Address (Only i paid)	f requested
	6. Signature: (Addressee or Agent)			F
F	S Form 3811, December 1994		Domestic Retu	ım Receipt





Job Number: P97-255N

State/Country:

Company: TEXACO E & P, INC.

Declination:

Lease/Well: NEW MEXICO STATE AN #1@rid:

Location: LEA CO., NEW MEXICO

File name: C:\WINSERVE\NMSAN12.SVY

Rig Name:

Date/Time: 04-Jun-97 / 13:41

RKB:

Curve Name: PRELIMINARY WELL PLAN

G.L. or M.S.L.:

PHOENIX DRILLING SERVICES, INC.

WINSERVE SURVEY CALCULATIONS Minimum Curvature Method Vertical Section Plane 310.00

Measured Depth FT	inci Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O Distance FT	S U R E Direction Deg	Dogleg Severity Deg/100
TOP OF	DEVON	IIAN			* 				
11470.00	.00	310.00	11470.00	.00	.00	.00	.00	.00	.00
5-1/2 CA	SING P	OINT							
11500.00	.00	310.00	11500.00	.00	.00	.00	.00	.00	.00
KOP: 11	505' ME), 87.19°/1	00'						
11505.00	.00	310.00	11505.00	.00	.00	.00	.00	.00	.00
11515.00 11525.00 11535.00 11545.00	8.72 17.44 26.16 34.88	310.00 310.00	11514.96 11524.69 11533.97 11542.58	.49 1.94 4.33 7.59	58 -2.31 -5.16 -9.04	.76 3.02 6.73 11.80	.76 3.02 6.73 11.80	310.00 310.00 310.00 310.00	87.19 87.19 87.19 87.19
11555.00 11565.00 11575.00 11585.00 11595.00	43.59 52.31 61.03 69.75 78.47	310.00 310.00 310.00	11550.31 11557.00 11562.49 11566.65 11569.39	11.65 16.42 21.78 27.62 33.80	-13.88 -19.56 -25.96 -32.92 -40.28	18.12 25.54 33.89 42.97 52.58	18.12 25.54 33.89 42.97 52.58	310.00 310.00 310.00 310.00 310.00	87.19 87.19 87.19 87.19 87.19
11605.00	87.19		11570.64	40.17	-47.87	62.49	62.49	310.00	87.19
EOB: 110 11610.47	610' MD 91.96		VD, 87.1 9 11570.68	9° INC. 43.69	-52.06	67.96	67.96	310.00	87.13
11710.47 11810.47 11910.47 12010.47	91.96 91.96 91.96 91.96	310.00 f	11567.26 11563.84 11560.43 11557.01	107.93 172.17 236.41 300.65	-128.62 -205.18 -281.74 -358.30	167.91 267.85 367.79 467.73	167.91 267.85 367.79 467.73	310.00 310.00 310.00 310.00	.00 .00 .00 .00
12110.47 TD: 1212	91.96		1553.59	364.89	-434.86	567.67	567.67	310.00	.00
TD: 1212 12127.81	อ เพย, : 91.96		1553.00	276.00	440.44				
	01.00	310.00	1333.00	376.03	-448.14	585.00	585.00	310.00	.00

DRILLING CURVE

State "AN" # 12 Vertical Hole

