

6-9-39W

ROSEWOOD RESOURCES INC.

Field: Sherman County, KS
 Site: Tompkins 14-06H
 Well: #14-06H
 Wellpath: Lateral ST



Azimuths to Grid North
 True North: 2.36°
 Magnetic North: 9.97°

Magnetic Field
 Strength: 53369nT
 Dip Angle: 66.80°
 Date: 2/8/2007
 Model: igrf2005

ROSEWOOD RESOURCES

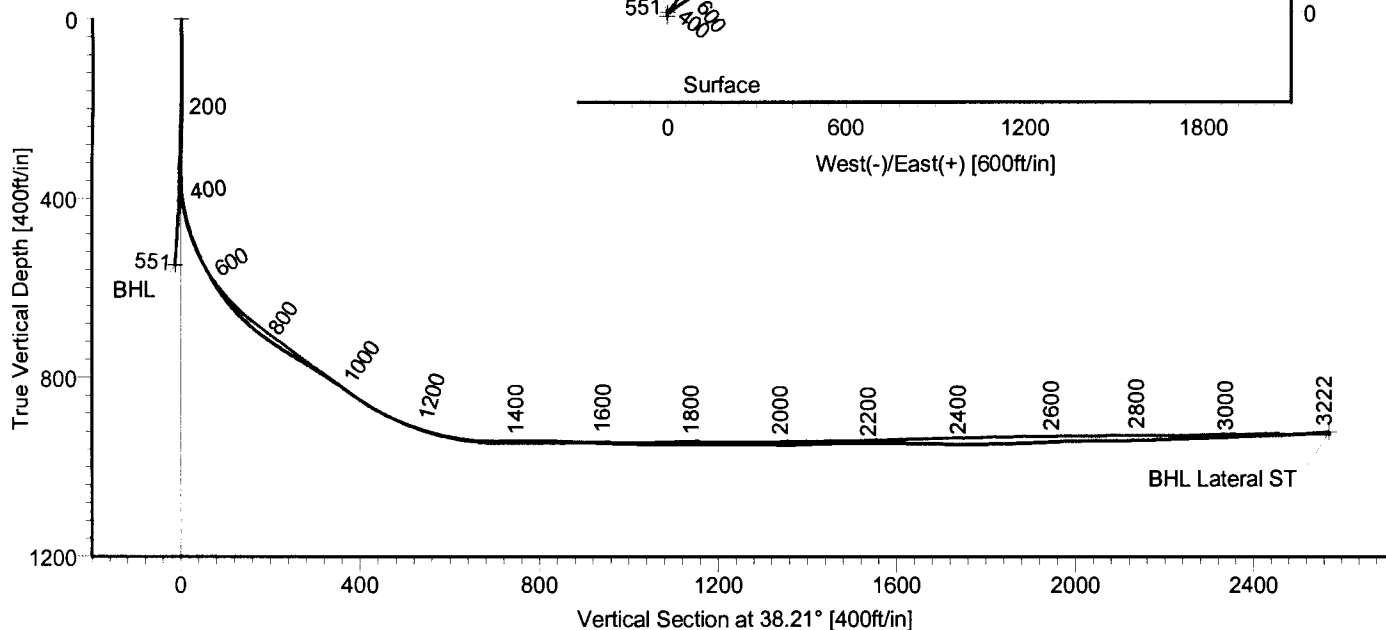
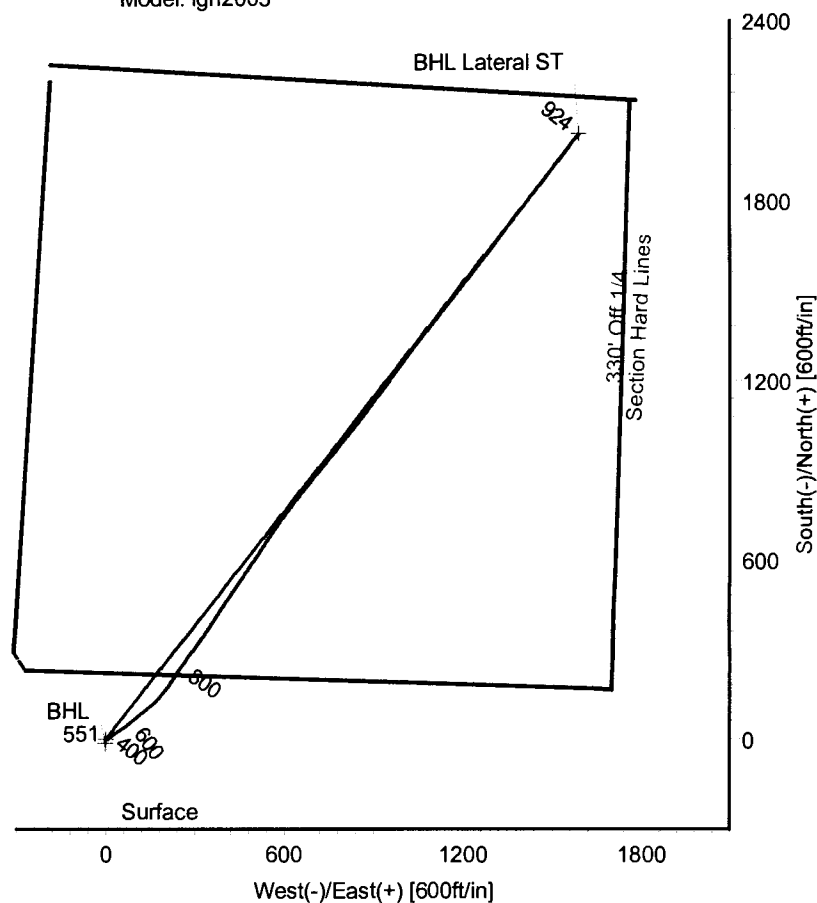
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 KANSAS CORPORATION COMMISSION

JUN 06 2007

CONSERVATION DIVISION
 WICHITA, KS

LEGEND

- #14-06H, Lateral ST, Plan #1 (OH)
- #14-06H (Original Hole)
- Lateral ST



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Surface	0.00	0.00	0.00	371365.41	946409.10	39°17'36.644N	101°43'25.209W	Point
BHL	550.65	-13.89	-1.31	371351.52	946407.79	39°17'36.506N	101°43'25.219W	Point
BHL ST	923.64	2023.17	1588.08	373388.58	947997.18	39°17'57.269N	101°43'06.083W	Point

STRATA
 DIRECTIONAL TECHNOLOGY, INC.

STRATA DIRECTIONAL TECHNOLOGY, INC.
 1034 Regional Park Drive Houston, Texas 77060
 Phone: 713-934-9600 Fax: 713-934-9067

Wellpath: (#14-06H/Lateral ST)
 Created By: David Vogler Date: 2/26/2007
 Checked: _____ Date: _____

Original Hole

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KANSAS CORPORATION COMMISSION

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CONSERVATION DIVISION
WICHITA, KS

Strata Directional Technology, Inc.

Survey Report

Company: ROSEWOOD RESOURCES INC.	Date: 2/26/2007	Time: 15:52:42	Page: 1
Field: Sherman County, KS	Co-ordinate(NE) Reference: Well: #14-06H, Grid North		
Site: Tompkins 14-06H	Vertical (TVD) Reference: 3696'GL+13'KB 3709.0		
Well: #14-06H	Section (VS) Reference: Well (0.00N,0.00E,38.21Azi)		
Wellpath: Original Hole	Survey Calculation Method: Minimum Curvature Db: Adapti		

Field: Sherman County, KS	Map System: US State Plane Coordinate System 1927	Map Zone: Kansas, Northern Zone
	Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
	Sys Datum: Mean Sea Level	Geomagnetic Model: igrf2005

Site: Tompkins 14-06H	
Site Position:	Northing: 371365.41 ft Latitude: 39 17 36.644 N
From: Map	Easting: 946409.10 ft Longitude: 101 43 25.209 W
Position Uncertainty: 0.00 ft	North Reference: Grid
Ground Level: 0.00 ft	Grid Convergence: -2.36 deg

Well: #14-06H	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 39 17 36.644 N
+E/-W 0.00 ft	Easting: 946409.10 ft
Position Uncertainty: 0.00 ft	Longitude: 101 43 25.209 W

Wellpath: Original Hole	Drilled From: Surface
Current Datum: 3696'GL+13'KB	Tie-on Depth: 0.00 ft
Magnetic Data: 1/24/2007	Above System Datum: Mean Sea Level
Field Strength: 53373 nT	Declination: 7.62 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 66.80 deg
ft	+N/-S ft
ft	+E/-W ft
ft	Direction deg
0.00	0.00
0.00	0.00
0.00	38.21

Survey Program for Definitive Wellpath				
Date: 2/9/2007	Validated: No	Version: 0		
Actual From	To	Survey	Toolcode	Tool Name
ft	ft			
366.00	500.00	Survey #1 (366.00-500.00)	MWD	Std MWD
551.00	551.00	Survey #2 (551.00-551.00)	Project	Projection

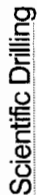
Survey										
MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
366.00	1.20	188.10	365.97	-3.79	-0.54	-3.32	0.33	0.33	0.00	MWD
373.00	1.50	175.90	372.97	-3.96	-0.54	-3.45	5.91	4.29	-174.29	MWD
405.00	2.10	173.80	404.96	-4.96	-0.45	-4.18	1.89	1.87	-6.56	MWD
437.00	3.50	182.70	436.92	-6.52	-0.43	-5.39	4.57	4.37	27.81	MWD
469.00	2.50	226.50	468.88	-7.97	-0.99	-6.88	7.57	-3.12	136.87	MWD
500.00	4.70	178.30	499.82	-9.71	-1.44	-8.52	11.48	7.10	-155.48	MWD
551.00	4.70	178.30	550.65	-13.89	-1.31	-11.72	0.00	0.00	0.00	BHL

Targets										
Name	Description	TVD	+N/-S	+E/-W	Map	Map	<--- Latitude --->			<--- Longitude --->
	Dip.	Dir.	ft	ft	ft	ft	Deg	Min	Sec	Deg
Surface			0.00	0.00	0.00	371365.41	946409.10	39	17	36.644 N
BHL			550.65	-13.89	-1.31	371351.52	946407.79	39	17	36.506 N
										101 43 25.209 W
										101 43 25.219 W

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WICHITA, KS



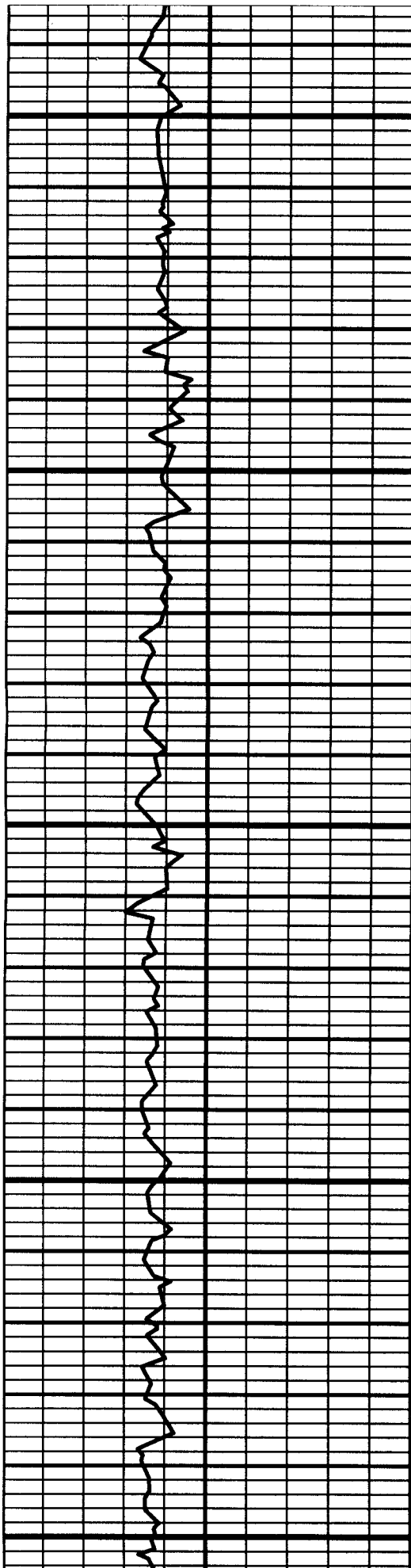
TOMPKINS 14-06H

GAMMA-RAY

 $5'' = 100'$

FEET MD

[illegible]



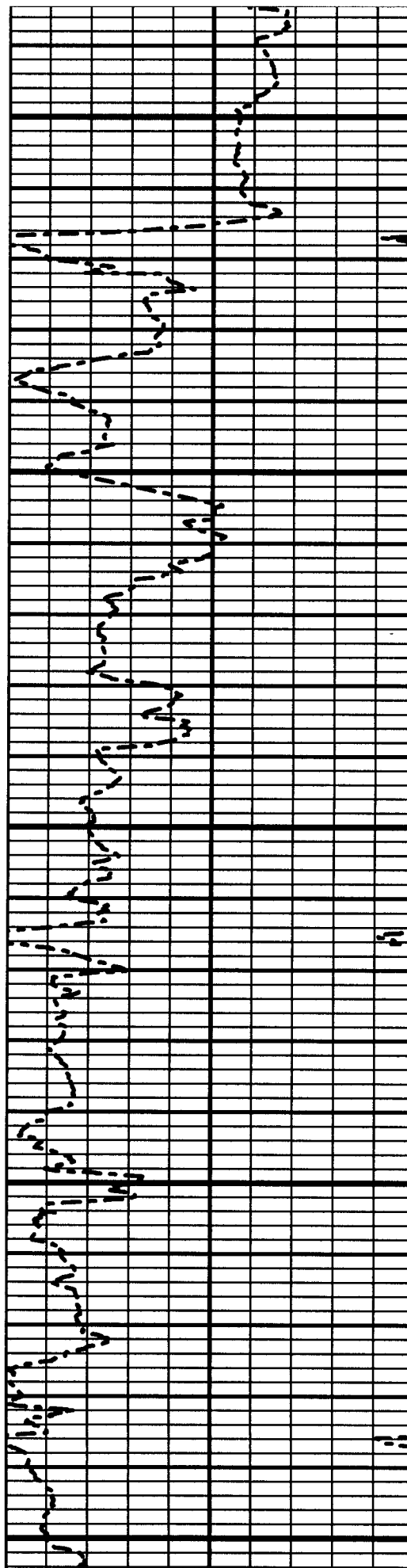
400

450

500

550

600



s: 1 MD: 384.00 ft Inc: 5.64
deg Az: 62.06 deg TVD: 383.38
ft

s: 2 MD: 405.00 ft Inc: 9.00
deg Az: 55.60 deg TVD: 404.21
ft

s: 3 MD: 437.00 ft Inc: 13.80
deg Az: 55.70 deg TVD: 435.57
ft

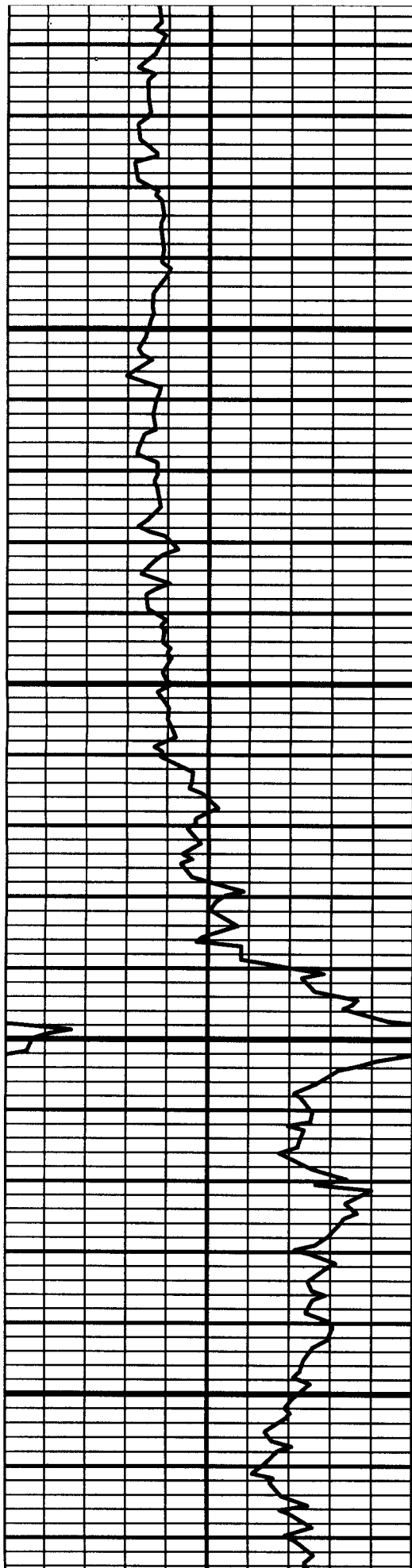
s: 4 MD: 469.00 ft Inc: 16.60
deg Az: 53.20 deg TVD: 466.44
ft

s: 5 MD: 501.00 ft Inc: 22.70
deg Az: 54.00 deg TVD: 496.57
ft

s: 6 MD: 532.00 ft Inc: 24.60
deg Az: 58.40 deg TVD: 524.96
ft

s: 7 MD: 564.00 ft Inc: 29.00
deg Az: 57.20 deg TVD: 553.52
ft

s: 8 MD: 596.00 ft Inc: 31.60
deg Az: 54.90 deg TVD: 581.15
ft

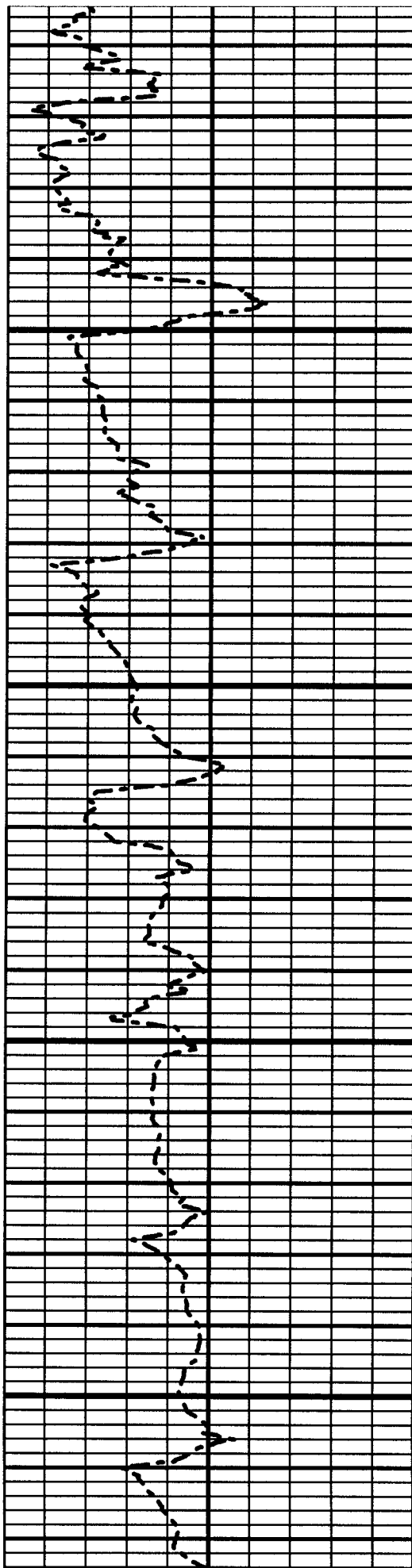


650

700

750

800



s: 9 MD: 628.00 ft Inc: 35.00
deg Az: 51.90 deg TVD: 607.89
ft

s: 10 MD: 660.00 ft Inc: 39.60
deg Az: 49.20 deg TVD: 633.34
ft

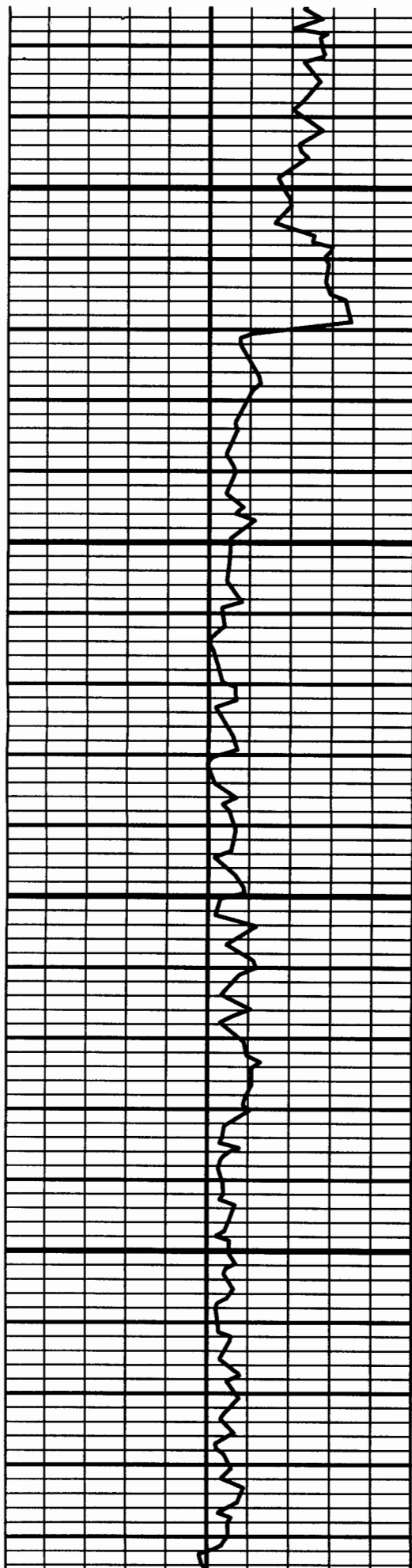
s: 11 MD: 692.00 ft Inc: 44.30
deg Az: 49.30 deg TVD: 657.13
ft

s: 12 MD: 724.00 ft Inc: 48.20
deg Az: 51.00 deg TVD: 679.26
ft

s: 13 MD: 756.00 ft Inc: 52.50
deg Az: 51.30 deg TVD: 699.67
ft

s: 14 MD: 787.00 ft Inc: 55.40
deg Az: 47.40 deg TVD: 717.92
ft

s: 15 MD: 819.00 ft Inc: 56.60
deg Az: 41.80 deg TVD: 735.82
ft

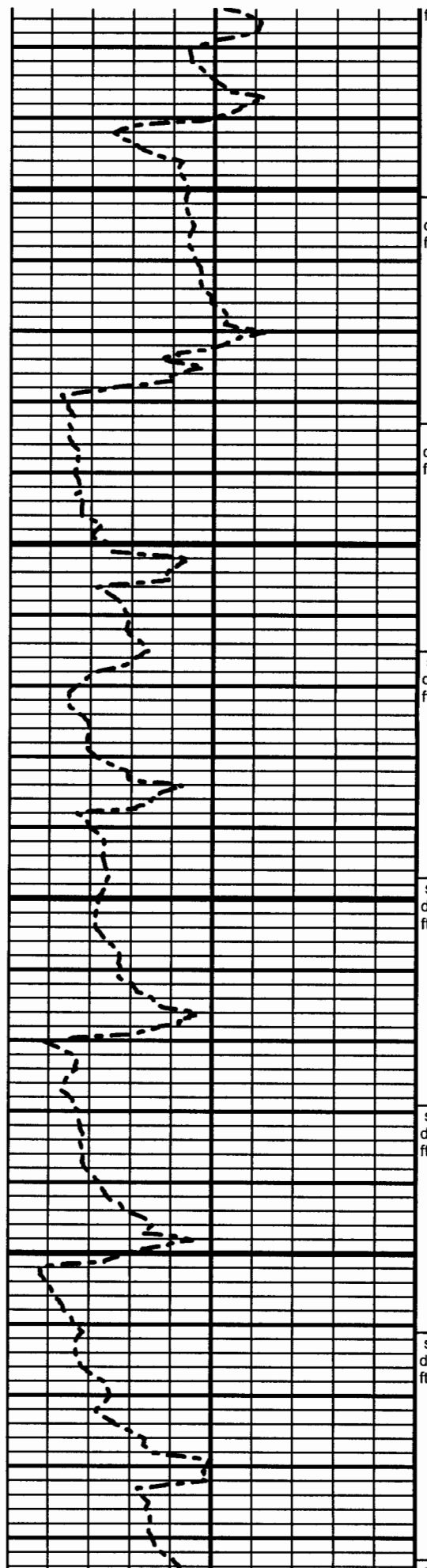


850

900

950

1000



ft

s: 16 MD: 851.00 ft Inc: 58.30
deg Az: 36.00 deg TVD: 753.05
ft

s: 17 MD: 883.00 ft Inc: 58.50
deg Az: 33.50 deg TVD: 769.82
ft

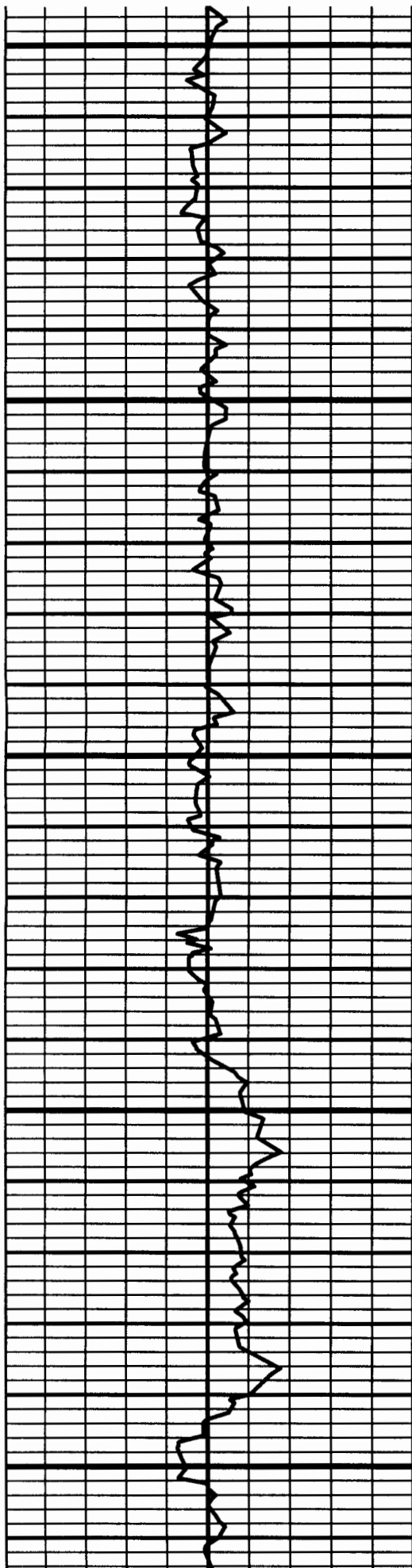
s: 18 MD: 915.00 ft Inc: 57.20
deg Az: 34.20 deg TVD: 786.85
ft

s: 19 MD: 947.00 ft Inc: 56.30
deg Az: 34.70 deg TVD: 804.39
ft

s: 20 MD: 979.00 ft Inc: 56.00
deg Az: 34.50 deg TVD: 822.22
ft

s: 21 MD: 1011.00 ft Inc: 54.70
deg Az: 35.70 deg TVD: 840.41
ft

s: 22 MD: 1043.00 ft Inc: 56.80



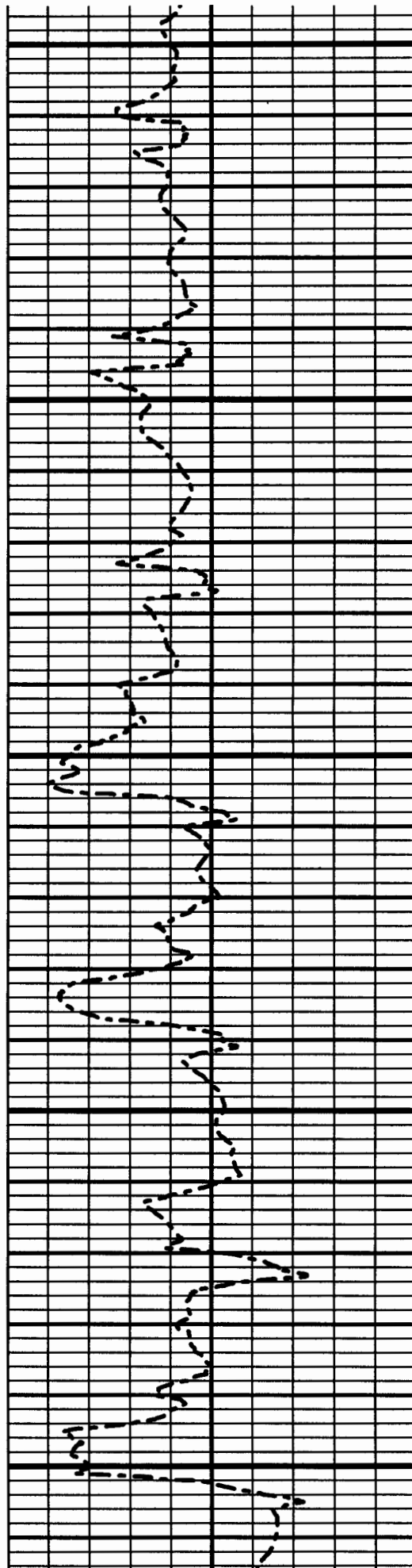
1050

1100

1150

1200

1250



s: 22 MD: 1043.00 ft Inc: 50.00
deg Az: 35.70 deg TVD: 858.42
ft

s: 23 MD: 1075.00 ft Inc: 61.30
deg Az: 35.60 deg TVD: 874.87
ft

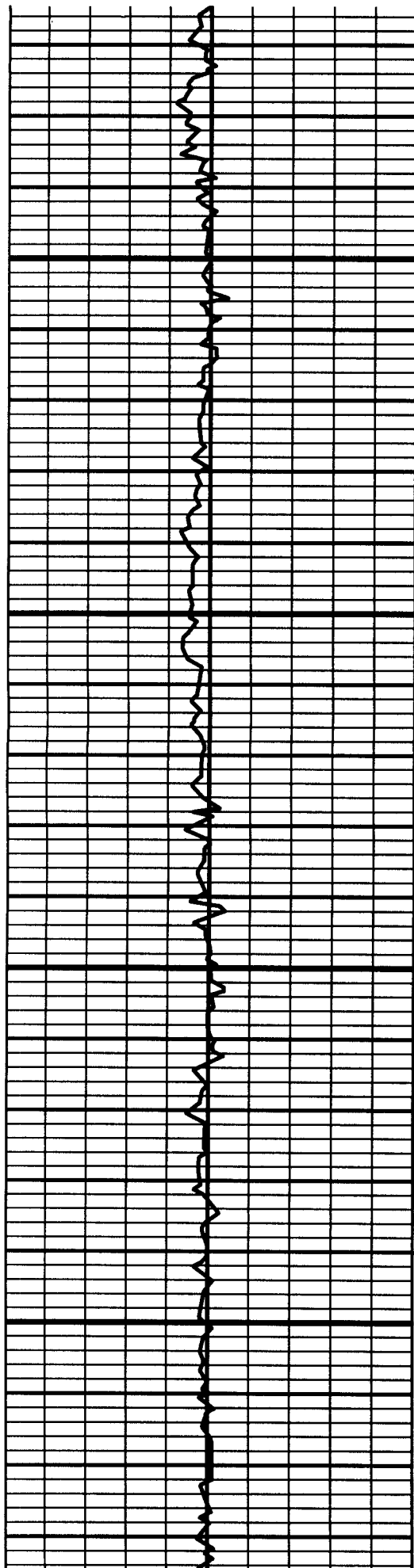
s: 24 MD: 1107.00 ft Inc: 64.50
deg Az: 35.10 deg TVD: 889.45
ft

s: 25 MD: 1139.00 ft Inc: 68.20
deg Az: 34.30 deg TVD: 902.28
ft

s: 26 MD: 1171.00 ft Inc: 71.10
deg Az: 33.00 deg TVD: 913.41
ft

s: 27 MD: 1203.00 ft Inc: 74.40
deg Az: 33.10 deg TVD: 922.90
ft

s: 28 MD: 1235.00 ft Inc: 77.50
deg Az: 33.00 deg TVD: 930.66
ft

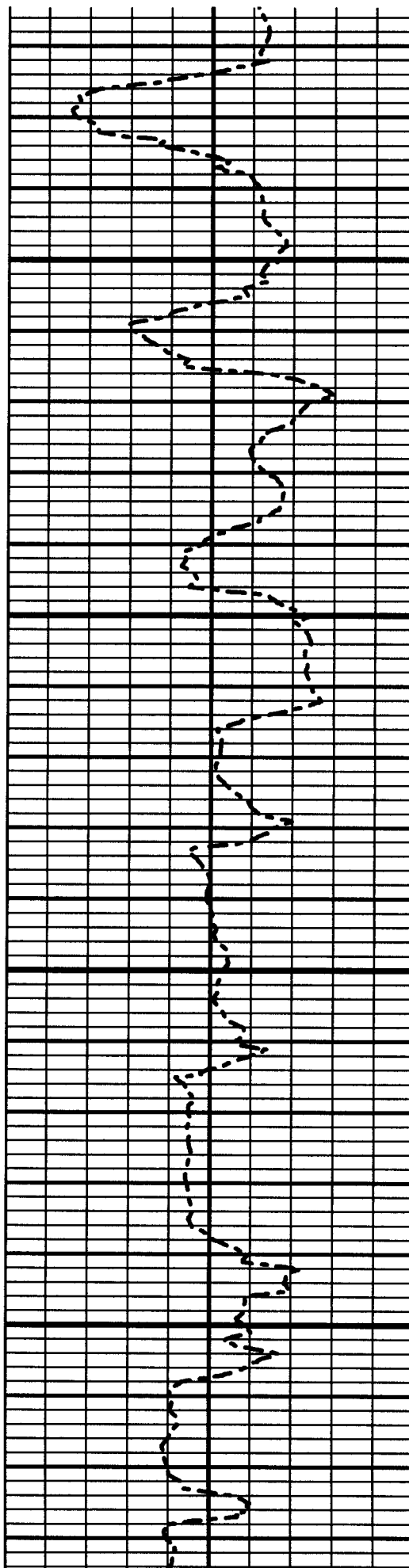


1300

1350

1400

1450



s: 29 MD: 1266.00 ft Inc: 81.00
deg Az: 34.20 deg TVD: 936.45
ft

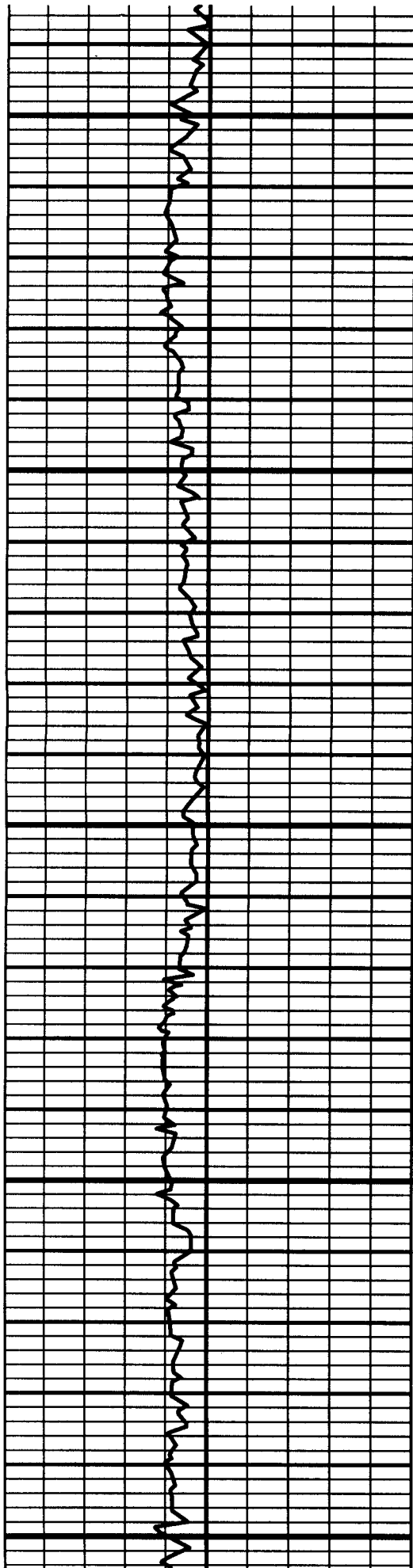
s: 30 MD: 1298.00 ft Inc: 84.20
deg Az: 34.30 deg TVD: 940.57
ft

s: 31 MD: 1330.00 ft Inc: 88.30
deg Az: 35.50 deg TVD: 942.66
ft

s: 32 MD: 1362.00 ft Inc: 91.30
deg Az: 34.20 deg TVD: 942.77
ft

s: 33 MD: 1394.00 ft Inc: 91.30
deg Az: 33.60 deg TVD: 942.05
ft

s: 34 MD: 1425.00 ft Inc: 91.30
deg Az: 34.60 deg TVD: 941.34
ft



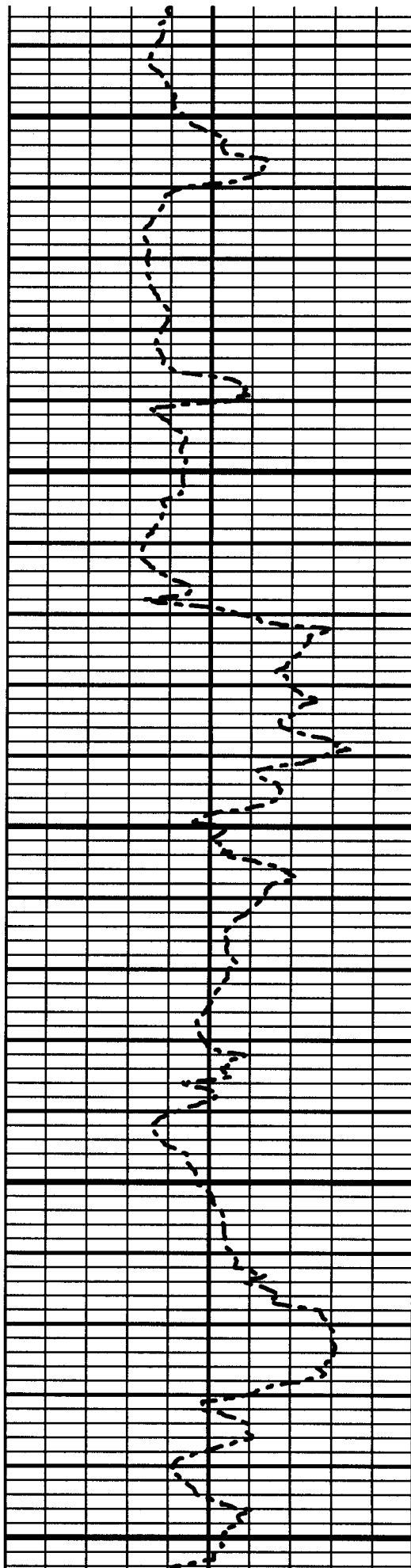
1500

1550

1600

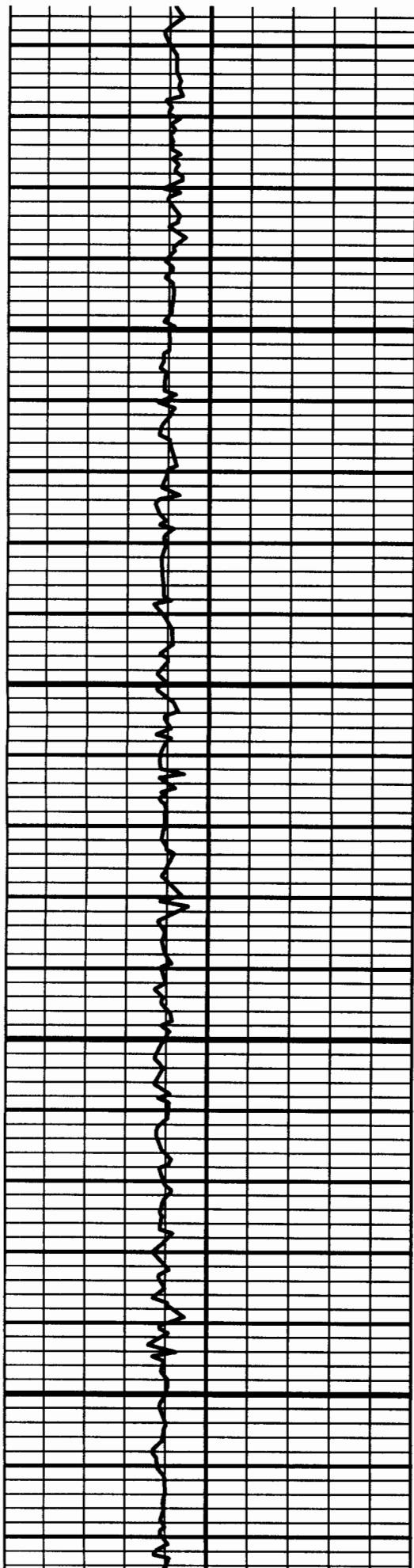
1650

1700



s: 35 MD: 1521.00 ft Inc: 87.20
deg Az: 33.00 deg TVD: 942.60
ft

s: 36 MD: 1679.00 ft Inc: 89.30
deg Az: 38.60 deg TVD: 947.43
ft

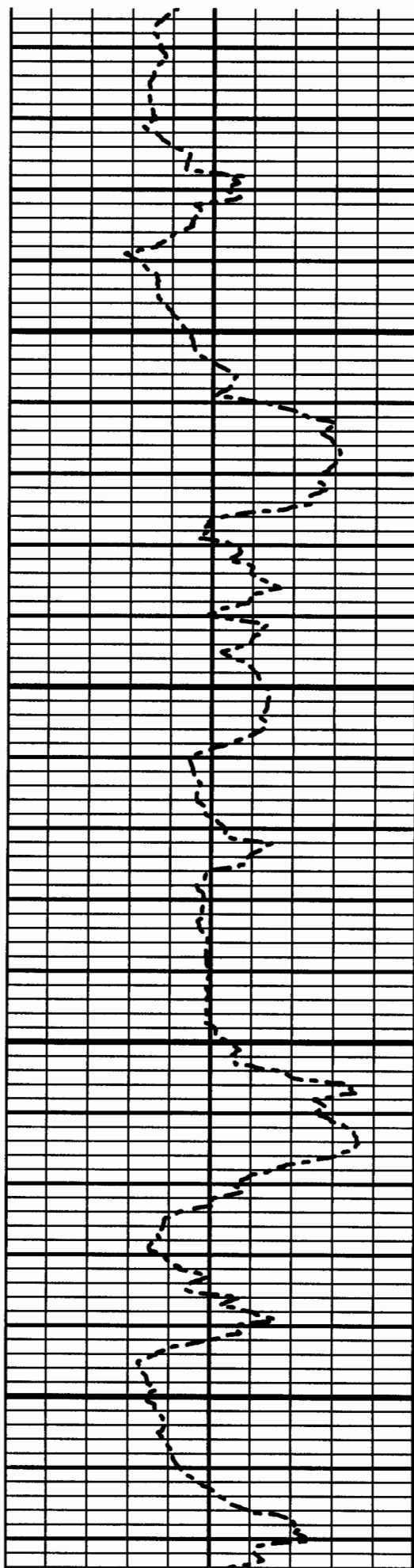


1750

1800

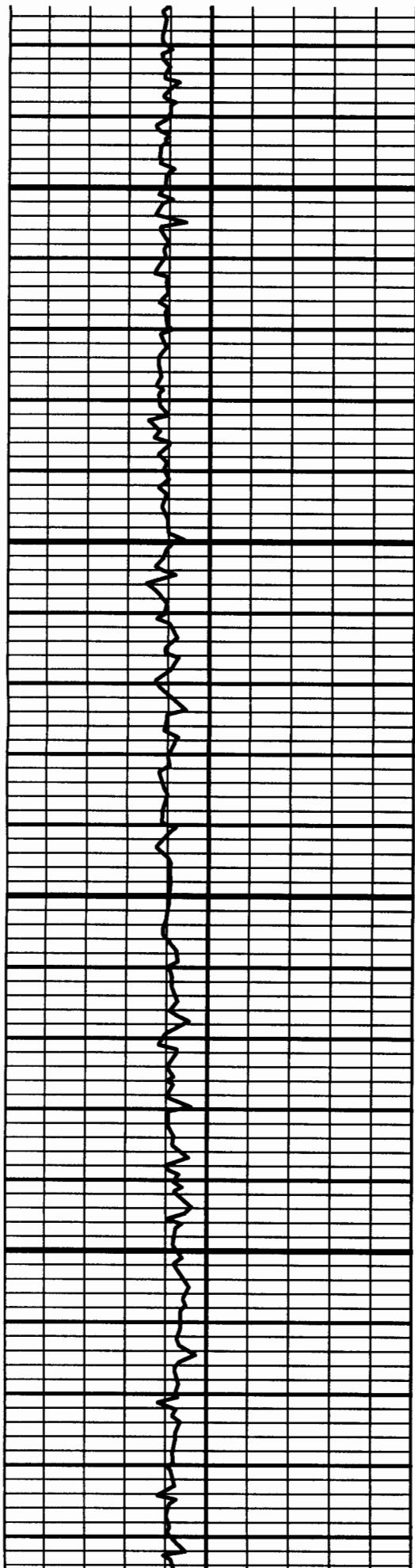
1850

1900



s: 37 MD: 1775.00 ft Inc: 89.80
deg Az: 39.20 deg TVD: 948.18
ft

s: 38 MD: 1869.00 ft Inc: 90.40
deg Az: 38.80 deg TVD: 948.02
ft

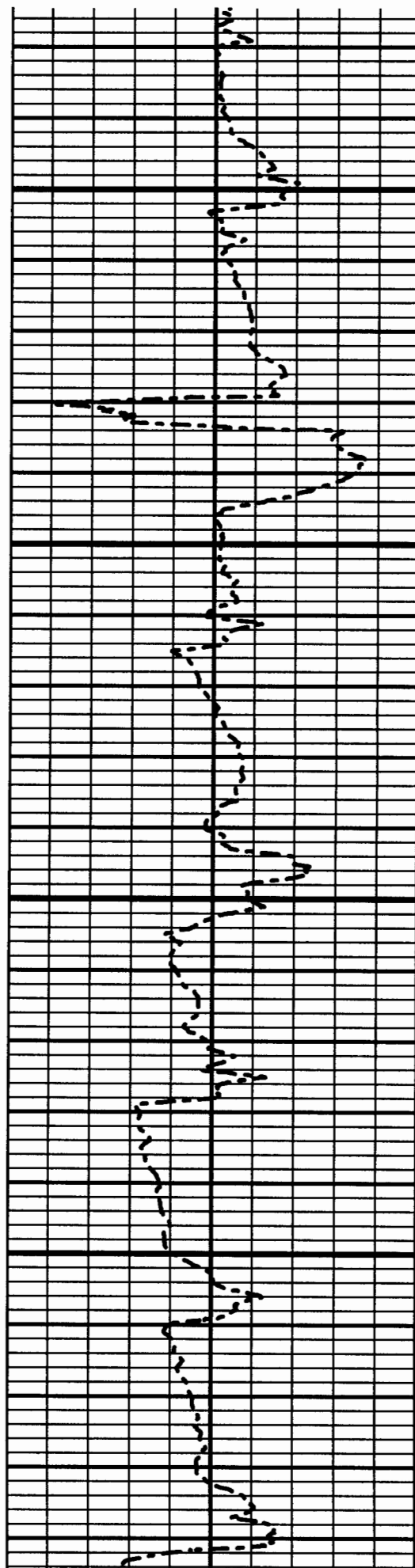


1950

2000

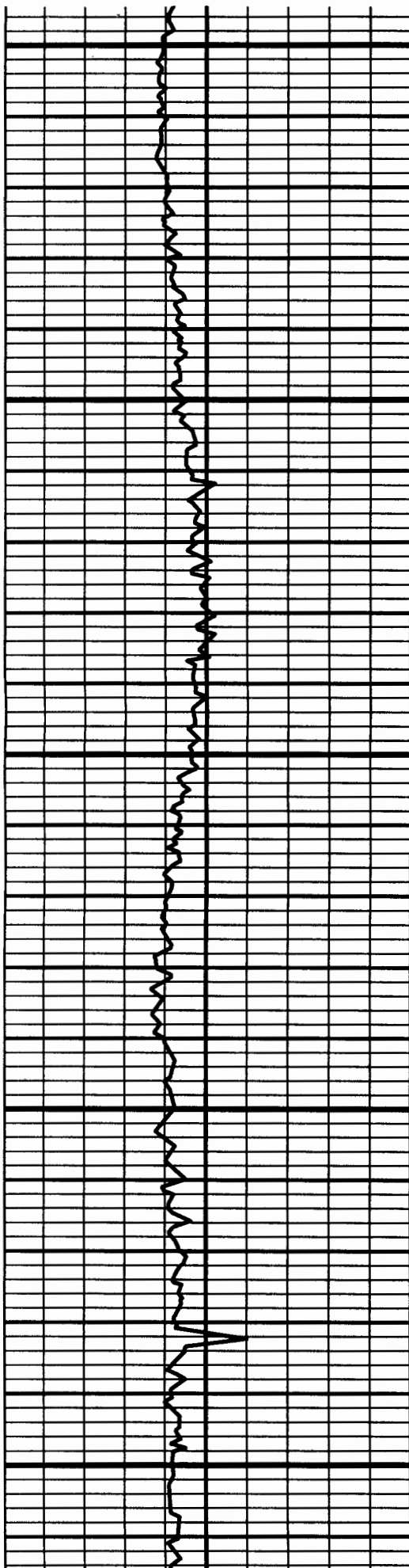
2050

2100



s: 39 MD: 1963.00 ft Inc: 90.20
deg Az: 38.20 deg TVD: 947.53
ft

s: 40 MD: 2058.00 ft Inc: 91.40
deg Az: 37.40 deg TVD: 946.20
ft



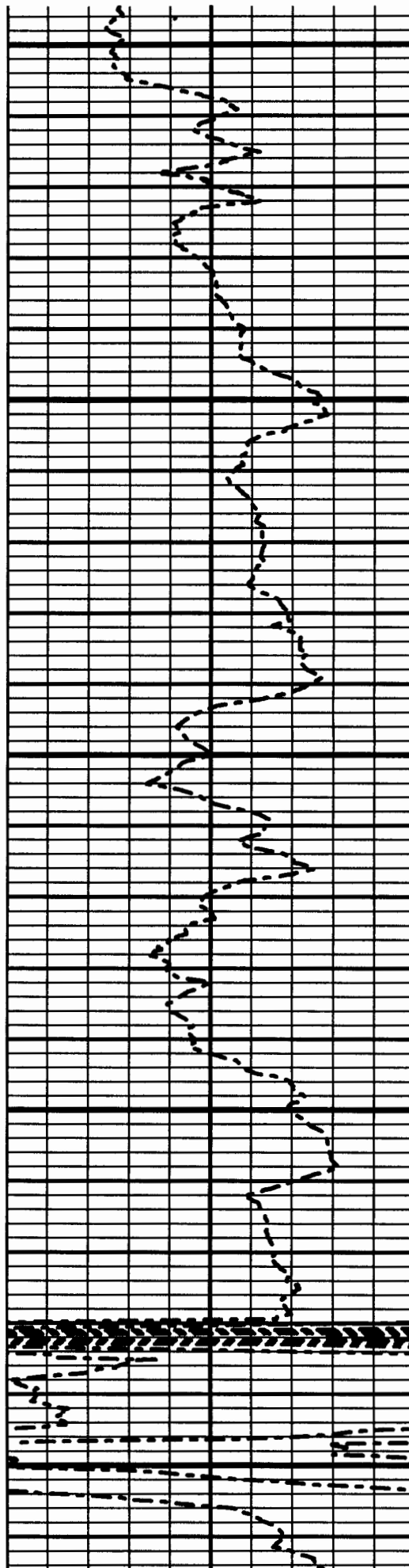
2150

2200

2250

2300

2350

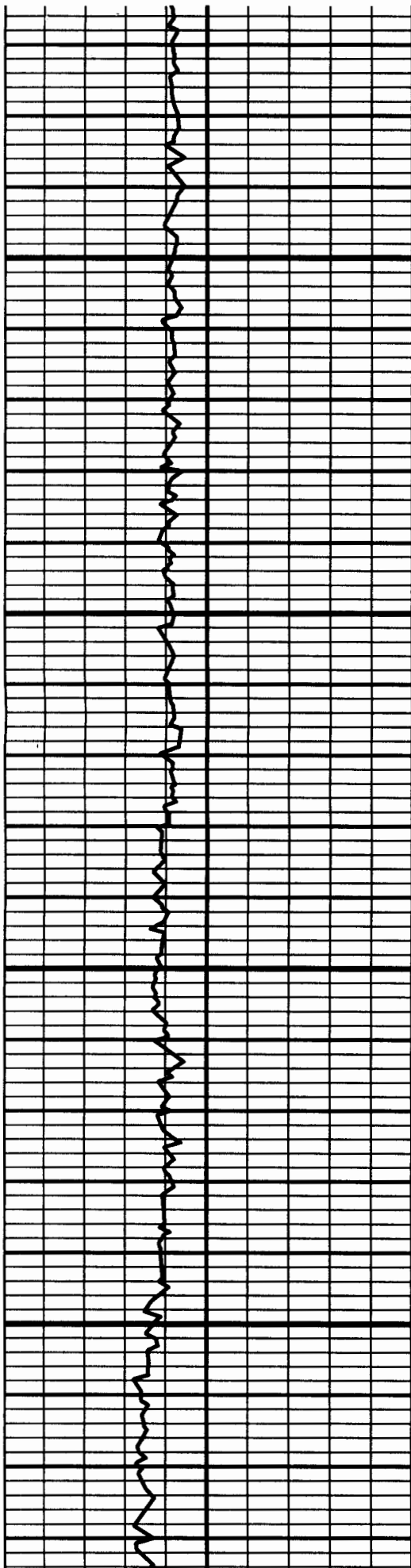


s: 41 MD: 2153.00 ft Inc: 91.40
deg Az: 36.70 deg TVD: 943.88
ft

s: 42 MD: 2249.00 ft Inc: 88.80
deg Az: 35.60 deg TVD: 943.71
ft

RELOG FROM 2328-2350

s: 43 MD: 2344.00 ft Inc: 89.20
deg Az: 38.70 deg TVD: 945.37
ft

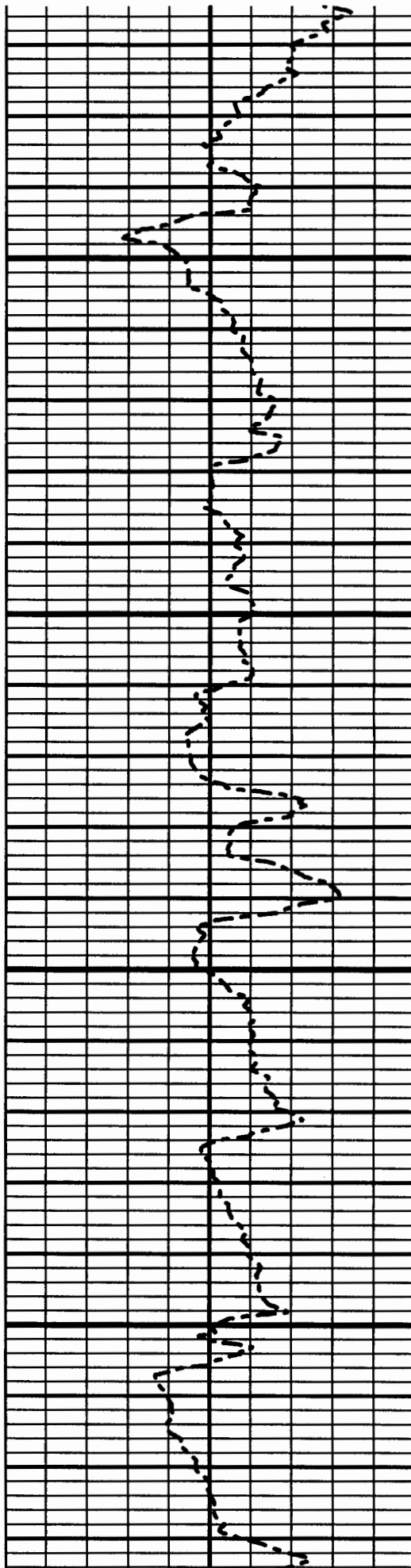


2400

2450

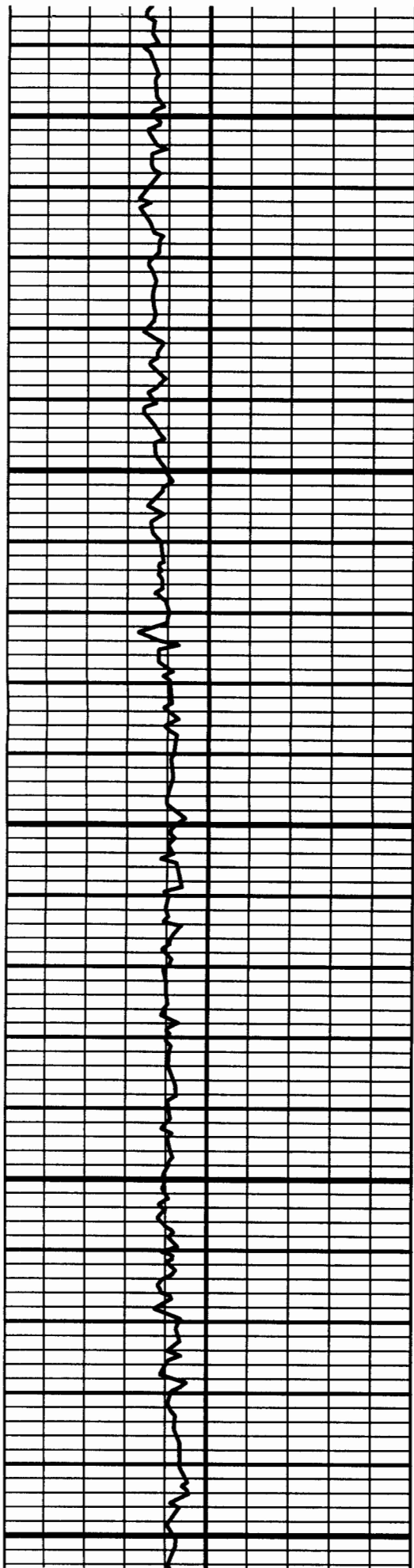
2500

2550



s: 44 MD: 2440.00 ft Inc: 90.50
deg Az: 38.40 deg TVD: 945.62
ft

s: 45 MD: 2535.00 ft Inc: 91.90
deg Az: 38.20 deg TVD: 943.63
ft



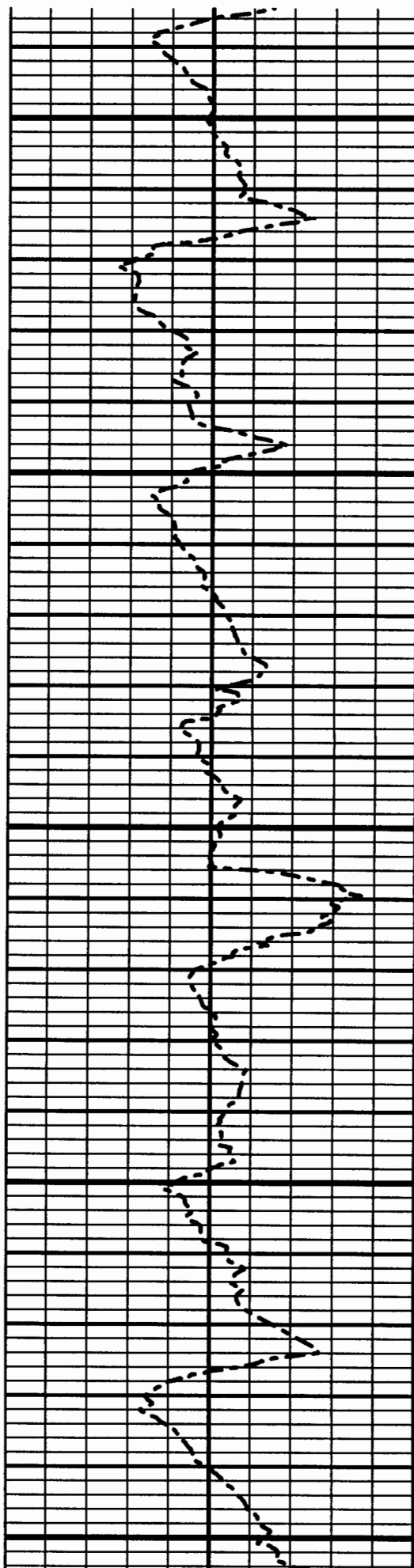
2600

2650

2700

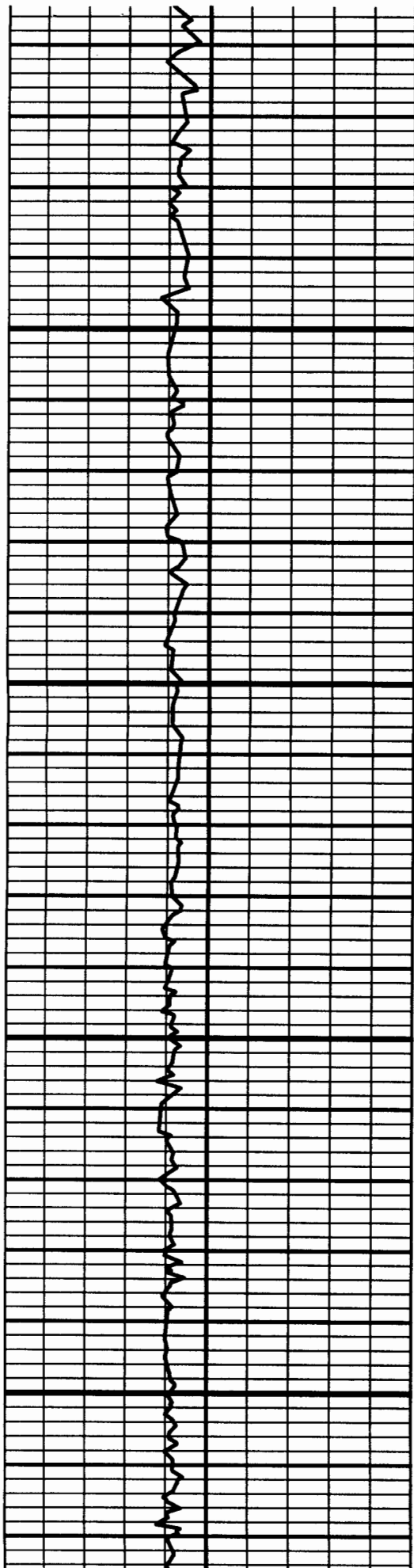
2750

2800



s: 46 MD: 2631.00 ft Inc: 92.40
deg Az: 38.30 deg TVD: 940.03
ft

s: 47 MD: 2727.00 ft Inc: 90.10
deg Az: 37.10 deg TVD: 937.93
ft

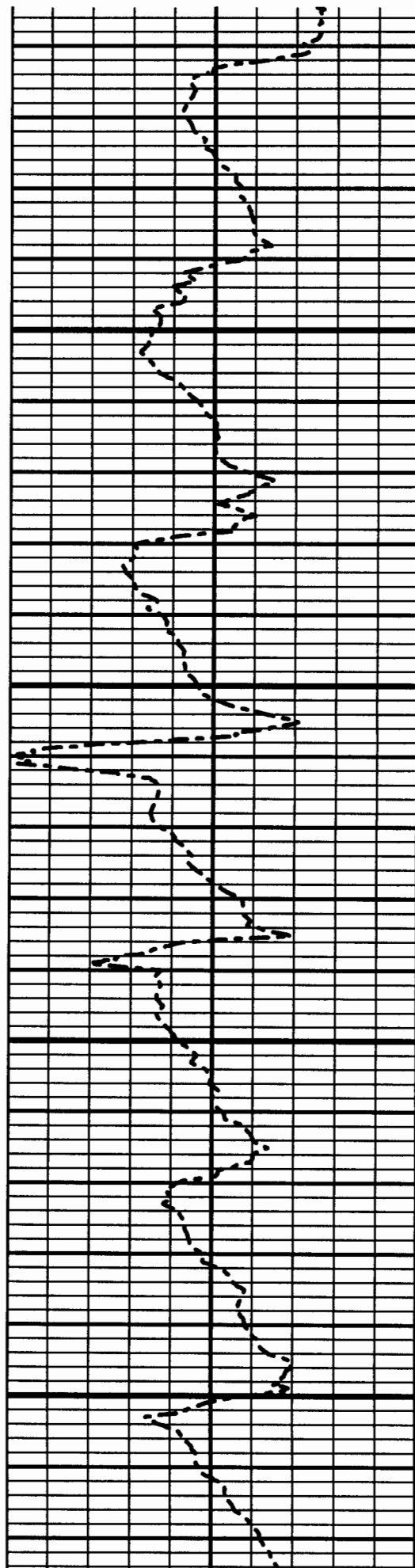


2850

2900

2950

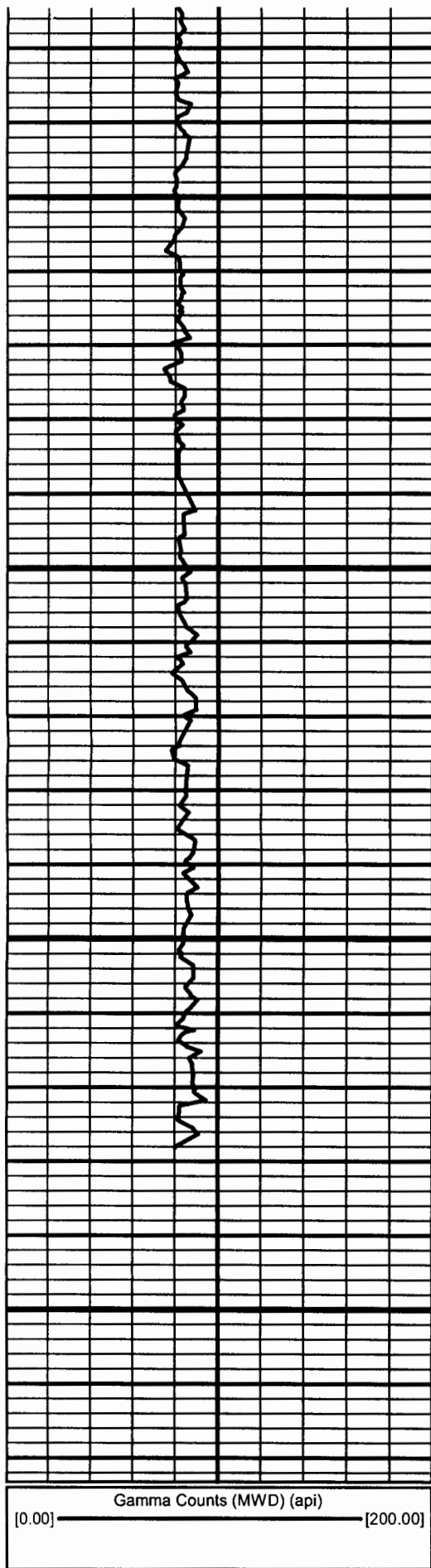
3000



s: 48 MD: 2823.00 ft Inc: 91.90
deg Az: 37.60 deg TVD: 936.25
ft

s: 49 MD: 2918.00 ft Inc: 91.70
deg Az: 37.20 deg TVD: 933.27
ft

s: 50 MD: 3014.00 ft Inc: 92.20
deg Az: 37.60 deg TVD: 930.00
ft

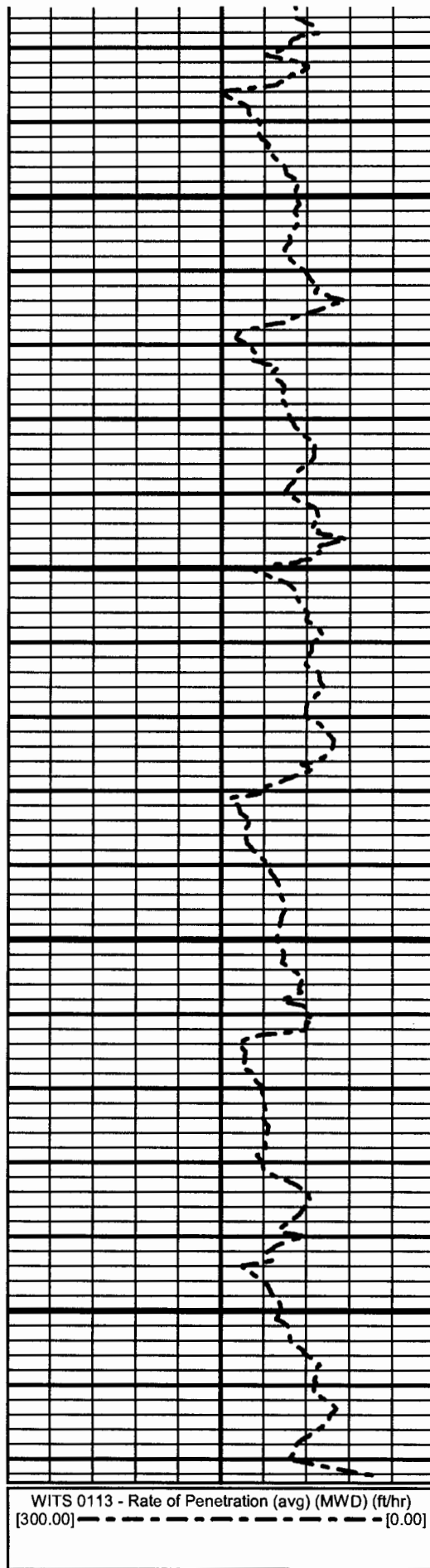


3050

3100

3150

3200



s: 51 MD: 3110.00 ft Inc: 92.70
deg Az: 37.30 deg TVD: 925.90
ft

s: 52 MD: 3173.00 ft Inc: 93.30
deg Az: 38.00 deg TVD: 922.60
ft



Scientific Drilling

5" = 100'

FEET MD