



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

July 30, 1997

**Amoco Production Company
San Juan Business Unit
P. O. Box 800
Denver, Colorado 80201
Attention: Pamela Staley**

Administrative Order DD-195

Dear Ms. Staley:

Reference is made to Amoco Production Company's application dated July 8, 1997 for authorization to directional drill a high-angle well to a pre-determined bottomhole location in order to further develop the Blanco-Mesaverde Pool underlying an existing 320-acre standard gas spacing and proration unit ("GPU") comprising the N/2 of Section 27, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico.

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111(D) and (E) of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11274 on June 13, 1995;
- (2) By Order No. R-8170, as amended, the Division promulgated the "*General Rules for the Prorated Gas Pools of New Mexico/Special Rules and Regulations for the Blanco-Mesaverde Pool*", which includes provisions for 320-acre gas spacing and proration units and well location requirements whereby the initial well drilled on a GPU shall be located no closer than 790 feet to the outer boundary of the quarter section on which the well is located and not closer than 130 feet to any quarter-quarter section line or subdivision inner boundary and the infill well drilled on an existing GPU shall be in the quarter section not containing a Mesaverde gas well and shall be located with respect to the restrictions as previously described;
- (3) Initial development of Blanco-Mesaverde gas pool production within the subject 320-acre GPU occurred with the E. E. Elliott "B" Well No. 2 (API No. 30-045-09225) being drilled in 1952 at a standard gas well location 990 feet from the North and East lines (Unit A) of said Section 27. The E. E. Elliott "B" Well No. 2-A (API No. 30-045-22060) was drilled in 1976 as an "infill well" at a standard gas well location 1160 feet from the North line and 880 feet from the West line (Unit D) of said Section 27;
- (4) It is our understanding that the subject well of this application, the existing E.E. Elliott "B" Well No. 7 (API No. 30-045-09193), located at a standard gas well location 1800

feet from the North line and 990 feet from the East line (Unit H) of said Section 27, is currently completed as a producing gas well in the Basin-Dakota Pool and that upon issuance of this order said well is to be recompleted by milling a window in the 4-1/2 inch production casing string, kick-off of the vertical portion of the wellbore at a depth of approximately 4,605 feet in a northwesterly direction, build to an angle of approximately 45 degrees, and continue to drill in such a manner as to bottom into the Blanco-Mesaverde Pool with total horizontal displacement of said well to be approximately 740 feet;

- (5) A high angle wellbore as proposed should provide Amoco a better opportunity to encounter the naturally occurring fracture system in the Mesaverde formation which should result in a higher production rate and an increased ultimate recovery of gas from this GPU.
- (6) The applicable drilling window or "producing area" for said wellbore should include that area within the NE/4 of said Section 27 that is no closer than 790 feet to the quarter section lines; and,
- (7) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Amoco Production Company, is hereby authorized to recomplete its E.E. Elliott "B" Well No. 7 (API No. 30-045-09193), located at a standard gas well location 1800 feet from the North line and 990 feet from the East line (Unit H) of Section 27, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico, by milling a window in the 4-1/2 inch production casing string, kick-off from vertical at a depth of approximately 4,605 feet in a northwesterly direction, build to an angle of approximately 45 degrees and continue drilling in a manner as to bottom into the Blanco-Mesaverde Pool (total horizontal displacement of said well to be approximately 740 feet) within a drilling window or "producing area" comprising the NE/4 of said Section 27 that is no closer than 790 feet to the quarter section lines.

PROVIDED HOWEVER THAT prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

PROVIDED FURTHER THAT during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(2) The applicant shall notify the supervisor of the Aztec district office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Aztec offices of the Division upon completion.

(3) Blanco-Mesaverde gas production from both the existing E. E. Elliott "B" Well No. 2 (API No. 30-045-09225), located at a standard gas well location 990 feet from the North and East lines (Unit A) of said Section 27, the E. E. Elliott "B" Well No. 2-A (API No. 30-045-22060), located at a standard infill gas well location 1160 feet from the North line and 880 feet from the West line (Unit D) of said Section 27, and the E. E. Elliott "B" Well No. 7, as described above, shall be attributed to the existing 320-acre standard gas spacing and proration unit ("GPU") comprising the N/2 of Section 27.

(4) Said wells and subject 320-acre GPU will be subject to all existing rules, regulations, policies, and procedures applicable to prorated gas pools in Northwest New Mexico.

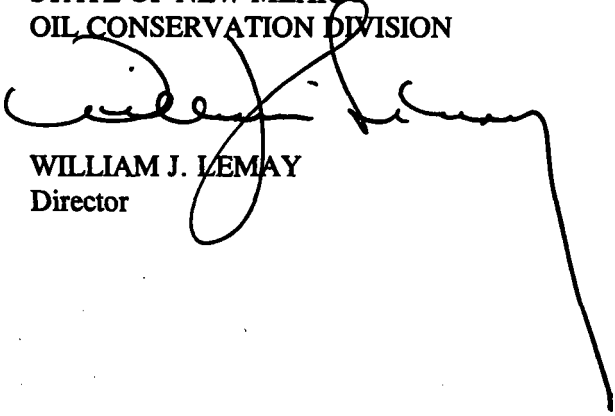
(5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F and Order No. R-8170, as amended.

(6) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

(7) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


WILLIAM J. LEMAY
Director

SEAL

WJL/MES/kv

cc: Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington

DD-AMOC. 15

Rec: 7-10-97

Susp: 7-30-97

July 23, 1997

Released: 7-30-97

Amoco Production Company
San Juan Business Unit
P. O. Box 800
Denver, Colorado 80201

Attention: Pamela Staley

Administrative Order DD- 195

Dear Ms. Staley:

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The Division Director Finds That:

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- (2) By Order No. R-8170, as amended, the Division promulgated the "~~General Rules for The Prorated Gas Pools of New Mexico/Special Rules and Regulations for The Blanco-Mesaverde Pool~~", which includes provisions for 320-acre gas spacing and proration units and well location requirements whereby the initial well drilled on a GPU shall be located ~~be~~ no closer than 790 feet to the outer boundary of the quarter section on which the well is located and not closer than 130 feet to any quarter-quarter section line or subdivision inner boundary and the infill well drilled on an existing GPU shall be in the quarter section not containing a Mesaverde gas well and shall be located with respect to the restrictions as previously described;
- (3) Initial development of Blanco-Mesaverde gas pool production within the subject 320-acre GPU occurred with the E. E. Elliott "B" Well No. 2 (API No. 30-045-09225) being drilled in 1952 at a standard gas well location 990 feet from the North and East lines (Unit A) of said Section 27. The E. E. Elliott "B" Well No. 2-A (API No. 30-045-22060) was drilled in 1976 as an "infill well" at a standard gas well location 1160 feet from the North line and 880 feet from the West line (Unit D) of said Section 27;

7-30

- (4) It is our understanding that the subject well of this application, the existing E.E. Elliott "B" Well No. 7 (API No. 30-045-09193), located at a standard gas well location 1800 feet from the North line and 990 feet from the East line (Unit H) of said Section 27, is currently completed as a producing gas well in the Basin-Dakota Pool and that upon issuance of this order said well is to be recompleted by milling a window in the 4-1/2 inch production casing string, kick-off of the vertical portion of the wellbore at a depth of approximately 4,605 feet in a northwesterly direction, build to an angle of approximately 45 degrees, and continue to drill in such a manner as to bottom into the Blanco-Mesaverde Pool with total horizontal displacement of said well to be approximately 740 feet;
- (5) A high angle wellbore as proposed should provide Amoco a better opportunity to encounter the naturally occurring fracture system in the Mesaverde formation which should result in a higher production rate and an increased ultimate recovery of gas from this GPU.
- (6) The applicable drilling window or "producing area" for said wellbore should include that area within the NE/4 of said Section 27 that is no closer than 790 feet to the quarter section lines; and,
- (7) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said Rule 111.D and E, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of Division General Rule 111.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Amoco Production Company, is hereby authorized to recomplete its E.E. Elliott "B" Well No. 7 (API No. 30-045-09193), located at a standard gas well location 1800 feet from the North line and 990 feet from the East line (Unit H) of Section 27, Township 30 North, Range 9 West, NMPM, San Juan County, New Mexico, by milling a window in the 4-1/2 inch production casing string, kick-off from vertical at a depth of approximately 4,605 feet in a northwesterly direction, build to an angle of approximately 45 degrees and continue drilling in a manner as to bottom into the Blanco-Mesaverde Pool (total horizontal displacement of said well to be approximately 740 feet) within a drilling window or "producing area" comprising the NE/4 of said Section 27 that is no closer than 790 feet to the quarter section lines.

PROVIDED HOWEVER THAT prior to commencing directional drilling operations in said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

PROVIDED FURTHER THAT during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth

and course, may be determined.

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(3) Blanco-Mesaverde gas production from both the existing E. E. Elliott "B" Well No. 2 (API No. 30-045-09225), located at a standard gas well location 990 feet from the North and East lines (Unit A) of said Section 27, the E. E. Elliott "B" Well No. 2-A (API No. 30-045-22060), located at a standard infill gas well location 1160 feet from the North line and 880 feet from the West line (Unit D) of said Section 27, and the E. E. Elliott "B" Well No. 7, as described above, shall be attributed to the existing 320-acre standard gas spacing and proration unit ("GPU") comprising the N/2 of Section 27.

(4) Said wells and subject 320-acre GPU will be subject to all existing rules, regulations, policies, and procedures applicable to prorated gas pools in Northwest New Mexico.

(5) The operator shall comply with all requirements and conditions set forth in Division General Rule 111.E(2) and any applicable requirements in 111.D and F and Order No. R-8170, as amended.

(6) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

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DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY
Director

S E A L

WJL/MES/kv

cc: Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

E.E. ELLIOTT B#7

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☒ DD ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

A. W. STALEY

Name

Signature

REGULATORY AFFAIRS ENGR.

Title

Date

7/8/97



**Amoco Production Company
San Juan Business Unit**

1670 Broadway
Post Office Box 800
Denver, Colorado 80201
303-830-4040

July 8, 1997

Mr. William J. LeMay, Director
New Mexico Oil Conservation Division
2040 S. Pacheco Street
P.O. Box 6429
Santa Fe, NM 87505

**Application For Deviated Wellbore - Rule 111.C.
E.E. Elliott B #7
Unit H Section 27-T30N-R9W (Surface Location)
Unit B Section 27-T30N-R9W (Bottomhole Location)
Blanco Mesaverde Pool
San Juan County, New Mexico**

Amoco Production Company hereby requests administrative approval to enter the existing wellbore in the E.E. Elliott B #7 well referenced above and directionally drill the well in the Blanco Mesaverde Pool. The well is currently completed in the Dakota formation. Directionally drilling the well through the Mesaverde will provide an opportunity to encounter the naturally occurring fracture system in the Mesaverde formation which could increase the producing rate and ultimate recovery of gas for this well. We are requesting the Project Area for this well to be the Blanco Mesaverde gas proration unit consisting of the N/2 Section 27, T30N-R9W with the Producing Area for the well to consist of a rectangle inside the gas proration unit that is not closer than 790 feet from the outer boundaries of the gas proration unit.

In accordance with Rule 111-D.(2), attached to aid in your review are:

- 1) a plat showing the well location, project area and producing area for the project well and the offset spacing units, their wells and operators;
- 2) a vertically oriented plan view for the project well showing top and bottom of the pool, degree of angle to be built, kickoff point, penetration point and lateral length;
- 3) a horizontal plan view for the project well showing the project area, producing area, estimated azimuth and maximum length of the lateral;
- 4) a type log section identifying the top and bottom of the pool.

As notification, a copy of this application will be sent by certified mail return receipt requested to the offset operators shown on the attached list advising them that if they have any objection, it must be filed in writing within (20) days of the date notice was sent.

Sincerely,

Pamela W. Staley

Attachments

cc: Mark Rothenberg, Amoco
Nancy Whitaker, Amoco
Well File
Proration Files

OFFSET OPERATOR LIST
E.E. Elliott B # 7

Burlington Resources Oil and Gas Co.
P.O. Box 4289
Farmington, NM 87499

Turner Production Company (Dakota Rights only - courtesy notice)
P.O. Box 111
Farmington, NM 87499

DATA SUMMARY SHEET

WELLNAME

E.E. Elliott B #7

API

3004509193

LOCATION

Unit H Section 27-T30N-R9W (Surface Location)

Unit B Section 27-T30N-R9W (Bottomhole Location)

ACREAGE IN SPACING UNIT

320 Acres N/2

LOCATION FOOTAGES

1800 FNL x 990 FEL (Surface Location)

1200 FNL x 1414 FEL (Bottomhole Location)

STANDARD LOCATION?

YES

OTHER WELL(S) PRODUCING IN SPACING UNIT IN MESAVERDE POOL

E.E. Elliott B #2 (3004509225) (UNIT A)

E.E. Elliott B #2A (3004522060) (UNIT D)

REASON FOR DEVIATION OR DIRECTIONAL DRILLING

DEVIATED TO ENCOUNTER FRACTURED FEATURE AT ORTHODOX LOCATION

KICKOFF POINT

4605'

DIRECTION TO BE DRILLED

NORTHWEST

TYPE CURVE

HIGH ANGLE

LATERAL DISTANCE FROM VERTICAL OR ORIGINAL WELLBORE

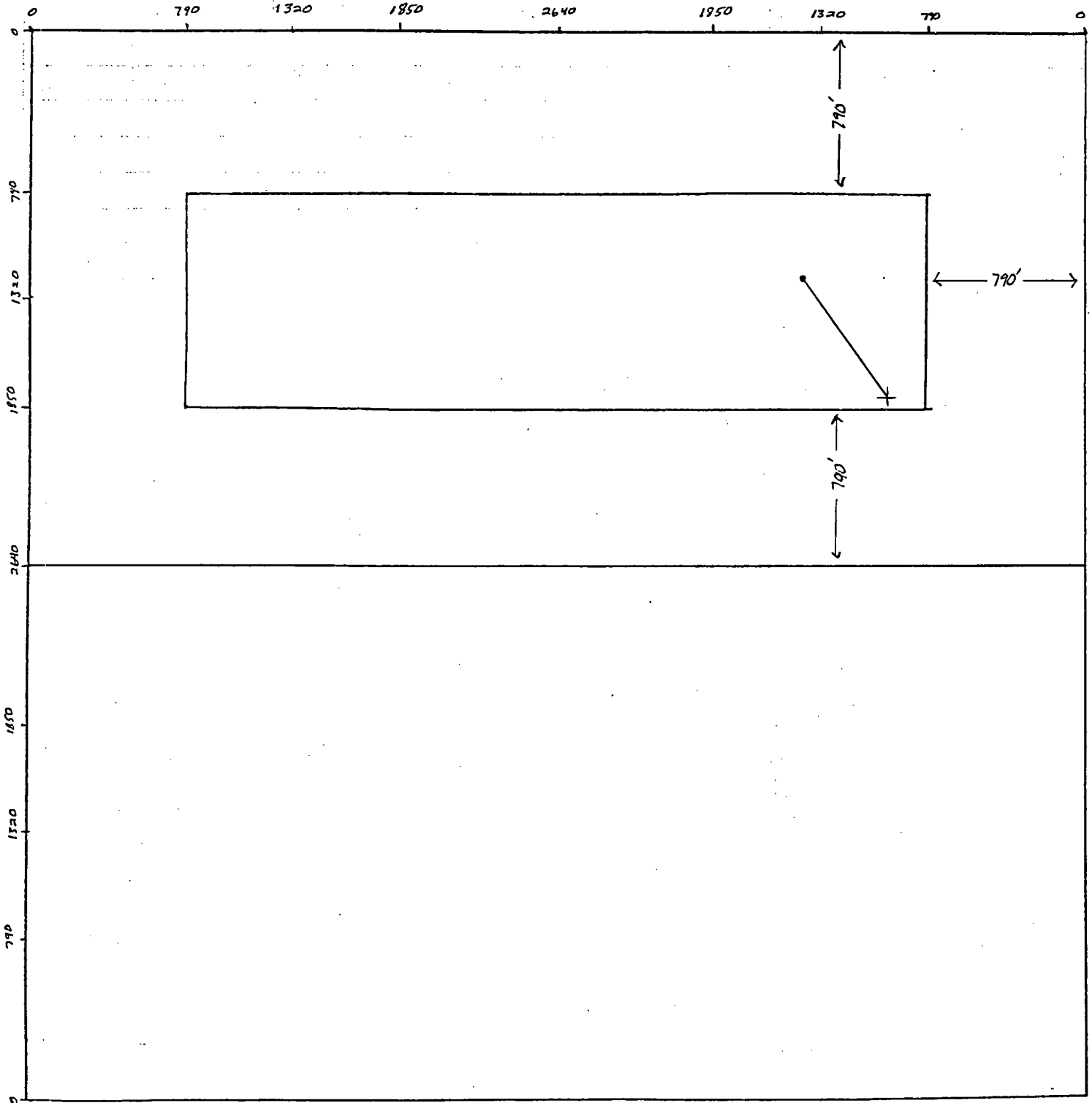
735' AT 325 DEGREES AT A TD OF APPROXIMATELY 5521'

Amoco Production Company

ENGINEERING CHART

SUBJECT Elliott B 7 - 3004509193
1800' FNL x 990' FEL SEC 27-30N-9W

Sheet No _____ Of _____
File _____
Appn _____
Date _____
By _____



sperry-sun
DRILLING SERVICES

Well: Elliott B 7

DrillQuest™

Customer: Amoco Production Co.

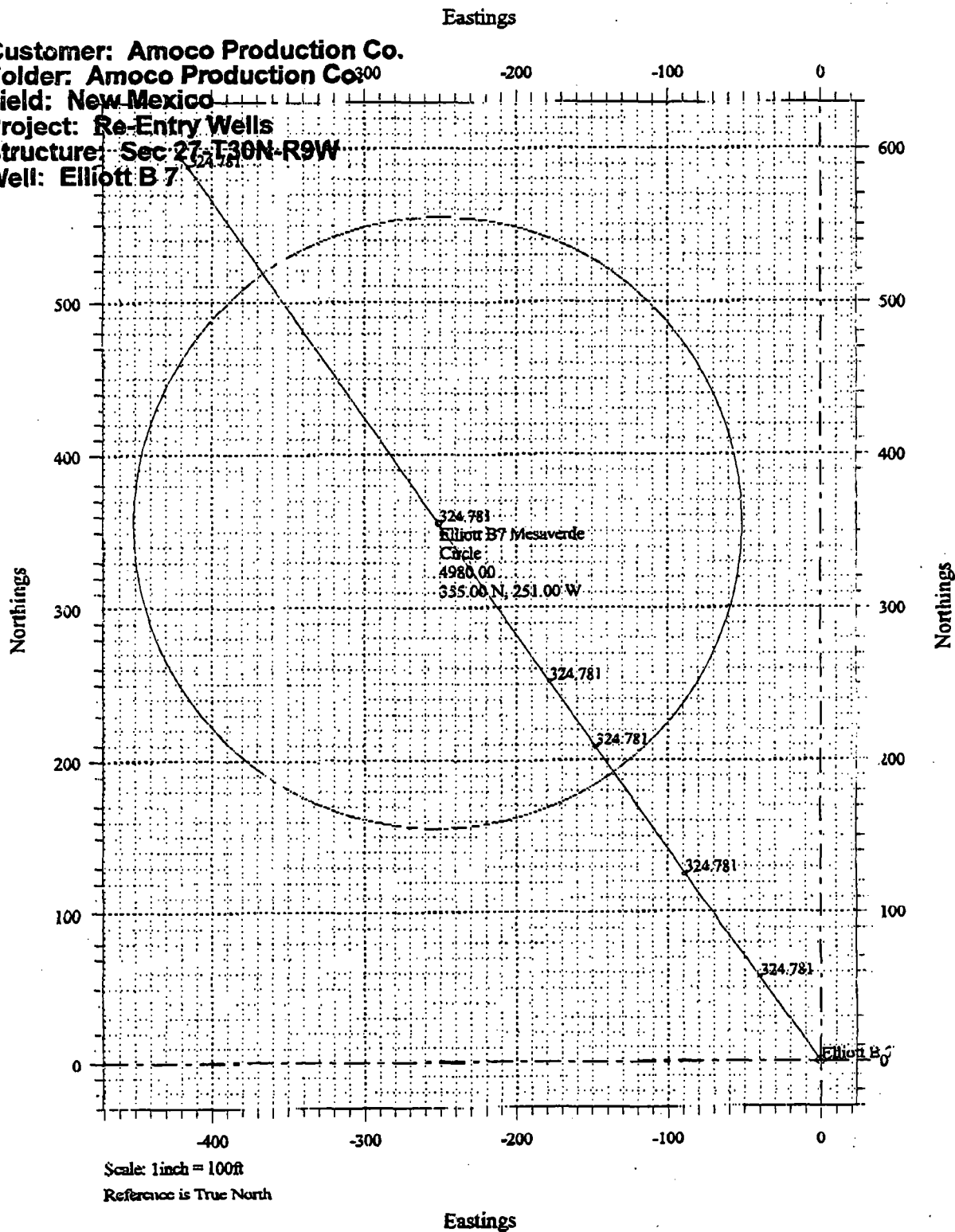
Folder: Amoco Production Co.³⁰⁰

Field: New Mexico

Project: Re-Entry Wells

Structure: Sec 27, T30N-R9W

Well: Elliott B 7



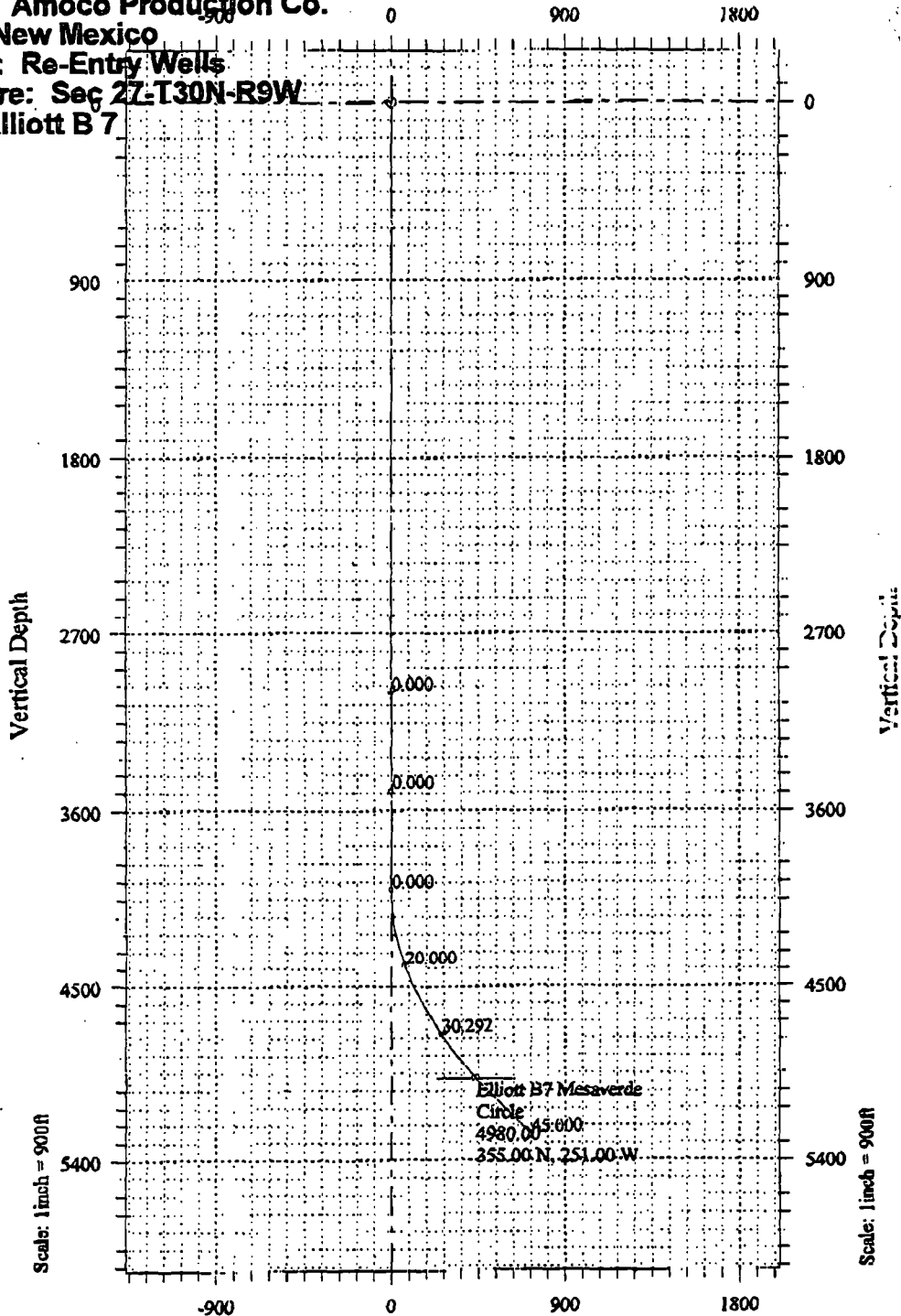
sperry-sun
DRILLING SERVICES

Well: Elliott B 7

DrillQuest

Vertical Section

Scale: 1 inch = 900ft
 Section Azimuth: 324.738 (True North)
Customer: Amoco Production Co.
Folder: Amoco Production Co.
Field: New Mexico
Project: Re-Entry Wells
Structure: Sec 27-T30N-R9W
Well: Elliott B 7



Scale: 1 inch = 900ft
 Section Azimuth: 324.738 (True North)

Vertical Section

Prepared:

Checked:

Approved:

Sperry-Sun Drilling Services

Proposal Report for Elliott B 7 - Re-Entry Well



**Amoco Production Co.
New Mexico**

**Re-Entry Wells
Sec 27-T30N-R9W**

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00	
3000.00	0.000	0.000	3000.00	0.00 N	0.00 E	0.00	0.000
3500.00	0.000	0.000	3500.00	0.00 N	0.00 E	0.00	0.000
4000.00	0.000	0.000	4000.00	0.00 N	0.00 E	0.00	0.000
4605.83	30.292	324.738	4578.00	127.75 N	90.32 W	156.45	5.000
4802.38	30.292	324.738	4747.72	208.70 N	147.56 W	255.59	0.000
5096.55	45.000	324.738	4980.00	355.00 N	251.00 W	434.77	5.000
5520.81	45.000	324.738	5280.00	599.96 N	424.19 W	734.77	0.000

All data is in feet unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to Well. Northings and Eastings are relative to Well.

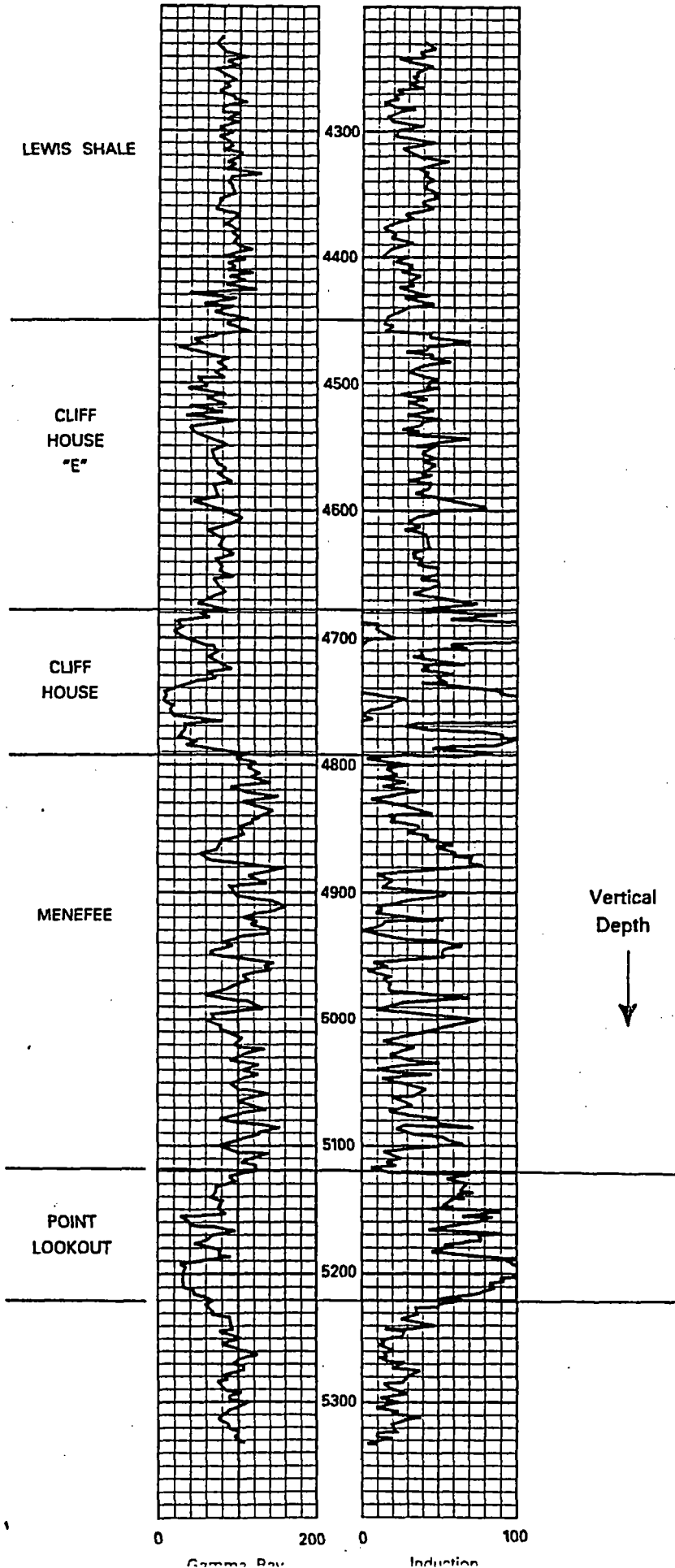
The Dogleg Severity is in Degrees per 100ft.

Vertical Section is from Well and calculated along an Azimuth of 324.738° (True).

Coordinate System is NM-W. Grid Convergence at Surface is 0.043°.

Based Upon Minimum Curvature type calculations, at a Measured Depth of 5520.81ft.,
The Bottom Hole Displacement is 734.77ft., in the Direction of 324.738° (True).

Typical M.V. Log
T32N, R10W
San Juan County, New Mexico



LANE



WELLS

*Gamma Ray
Neutron*

WELL FILE DOCUMENTS

STRIES, INC.



W00171030

FILE NO.

COMPANY PAN AMERICAN PETROLEUM CORP.

WELL E. E. ELLIOT B N° 7

FIELD BASIN DAKOTA

COUNTY SAN JUAN STATE NEW MEXICO

LOCATION: 1800' FNL & 990' FEL

Other Services

SEC 27 TWP 30N RGE 9W

Permanent Datum G. L. Elev. 5930

Log Measured from K. B. OR, 12 Ft. Above Permanent Datum

Drilling Measured from K. B.

Elevations:

KB 5942

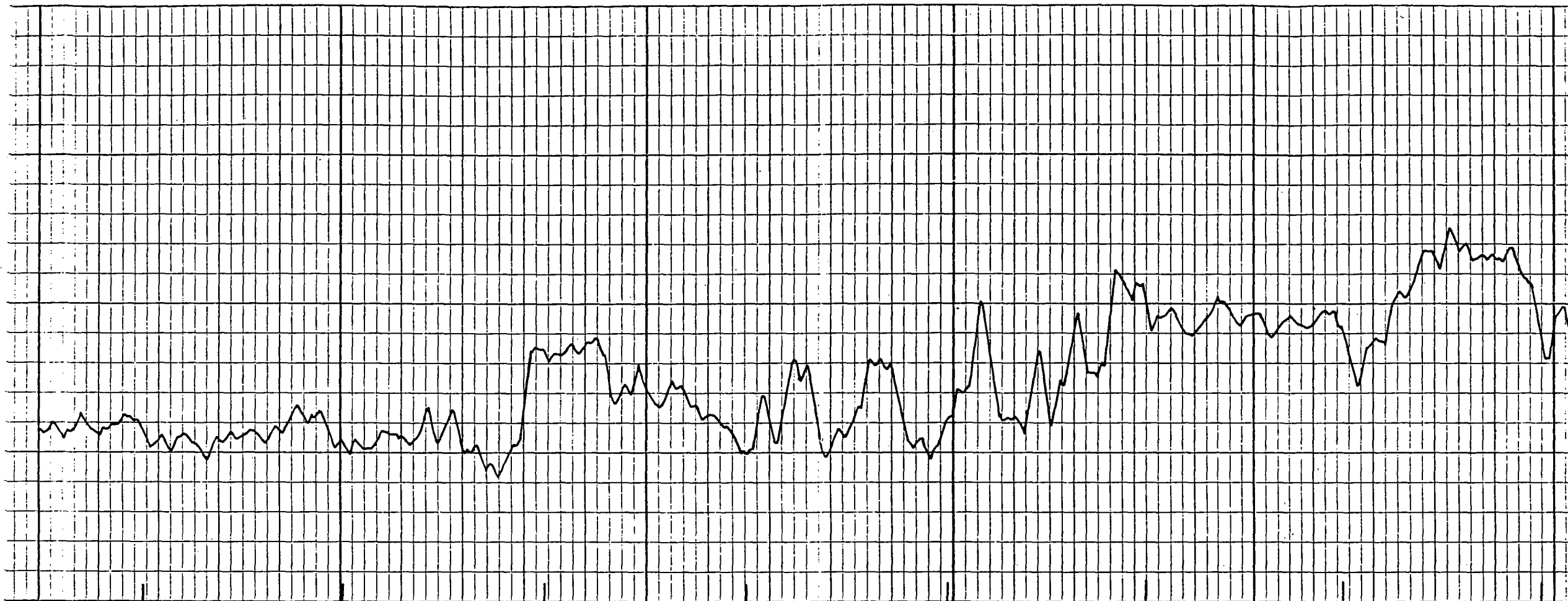
DF 5941

GL 5930

Date	7-23-64		
Run No.	TWO		
Type Log	G/R N/N		
Depth-Driller	7250		
Depth-Logger	7249		
Bottom Logged Interval	7248		
Top Logged Interval	SURFACE		
Type Fluid in Hole	WATER		
Salinity Ppm Cl.	-		
Density Lb./Gal.	-		
Level	FULL		
Max. Rec. Temp. Deg. F	-		
Opr. Rig Time	5 HOURS		
Recorded By	DICKERSON		
Witnessed By	MR. HOLLINGSWORTH		

Run No.	Bore Hole Record			Casing Record			
	Bit	From	To	Size	Wgt.	From	To
2	12 1/4	0	311	9 5/8	32.3	0	311
2	8 3/4	311	4872	7	20-23	0	4872
2	6 1/4	4872	7263	4 1/2	10.5	0	7263

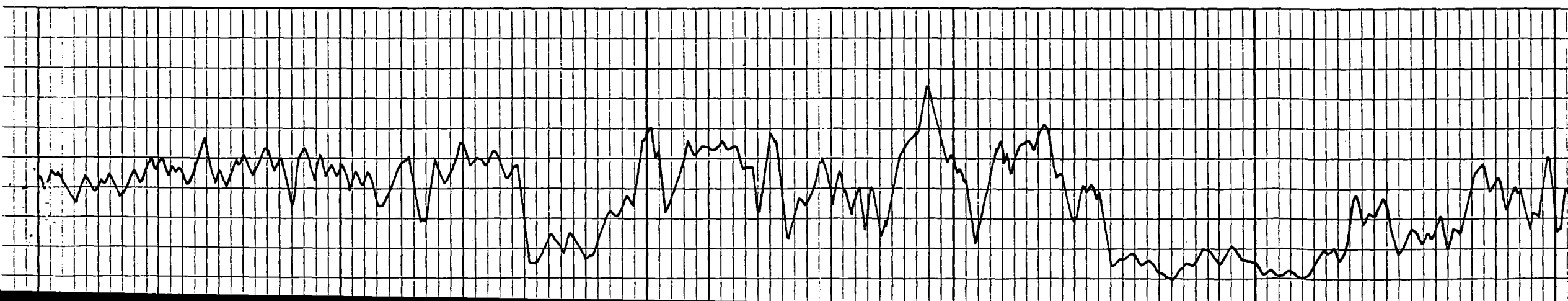
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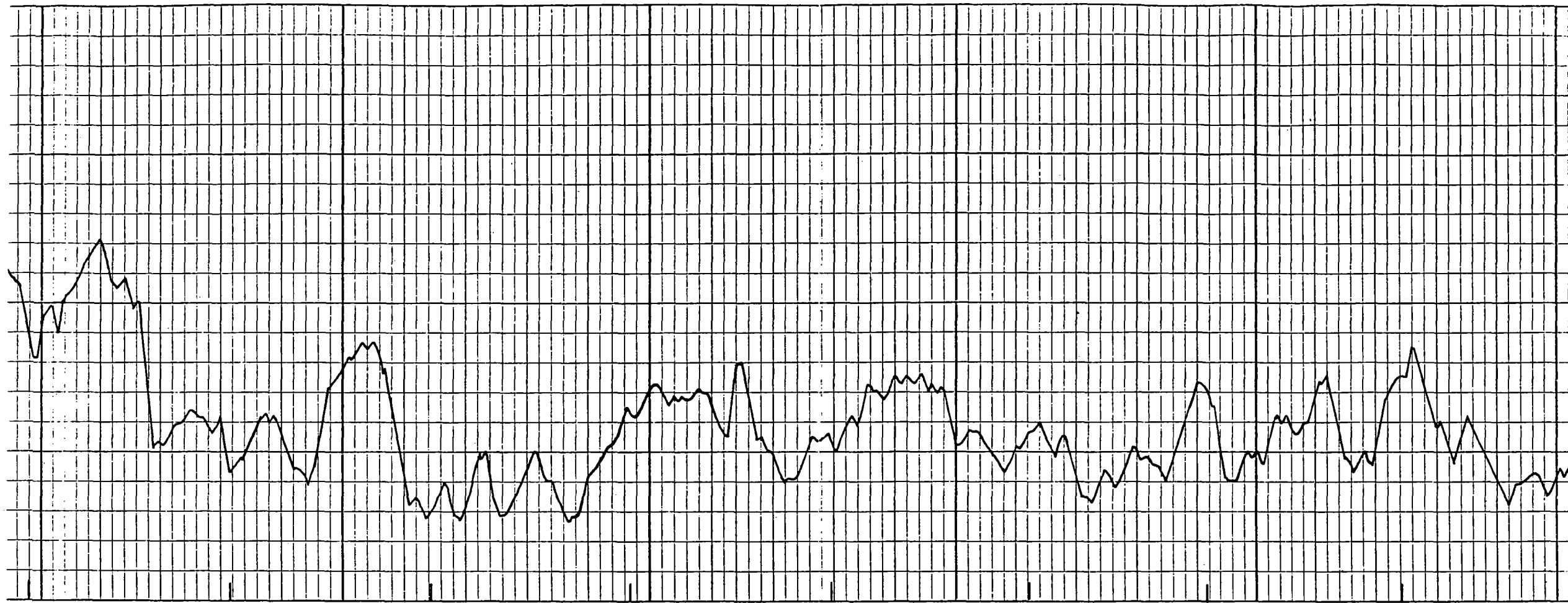


4200

4300

4400

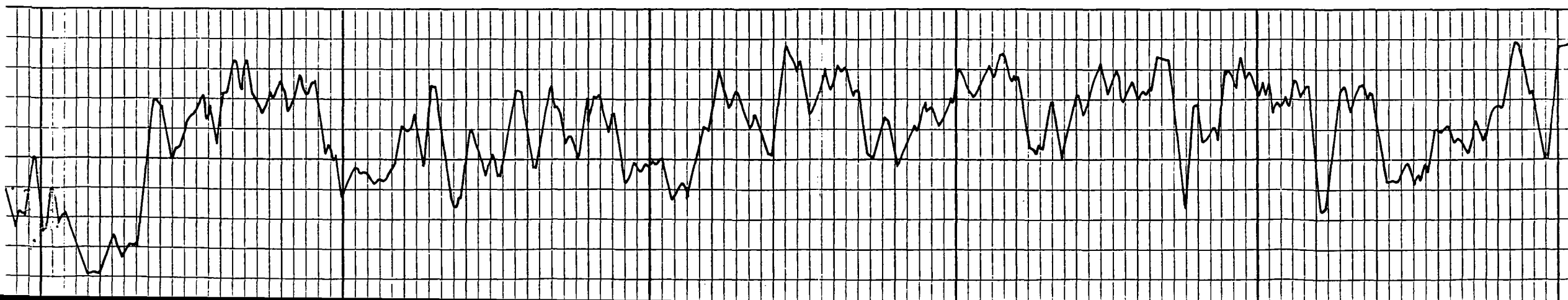


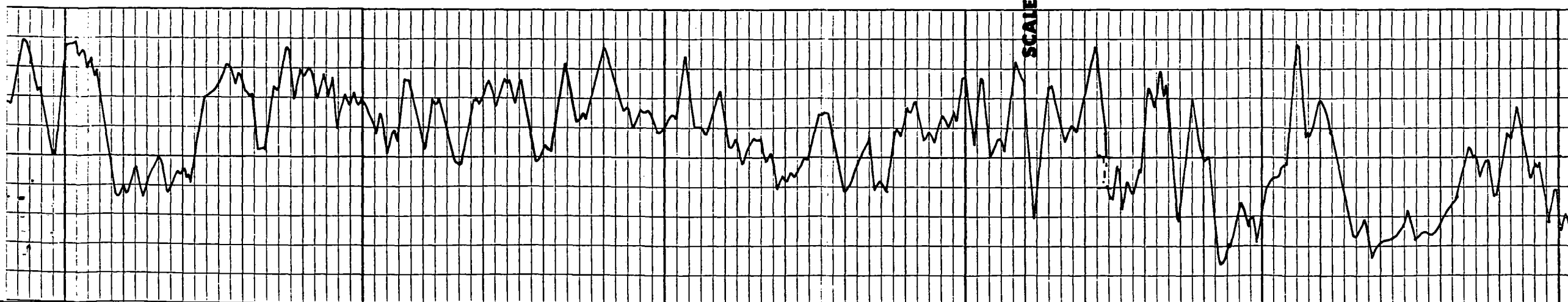
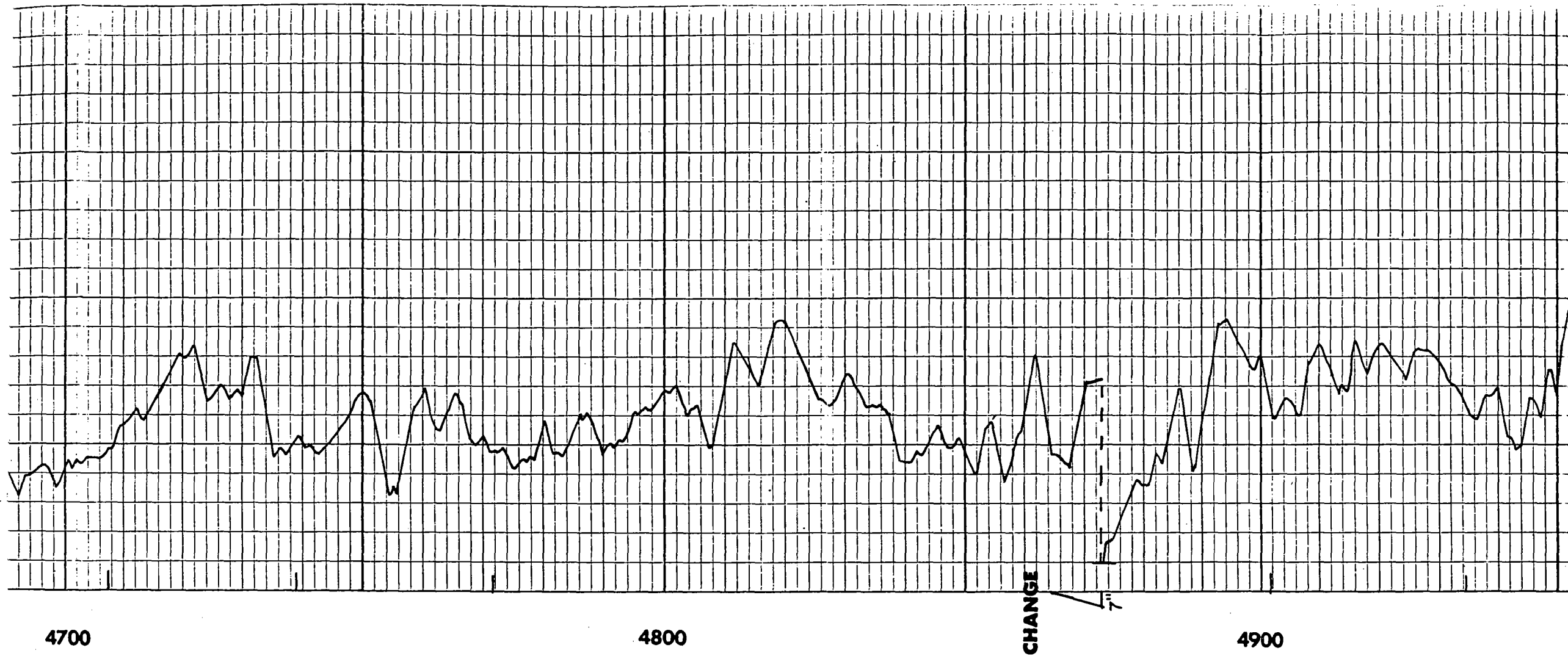


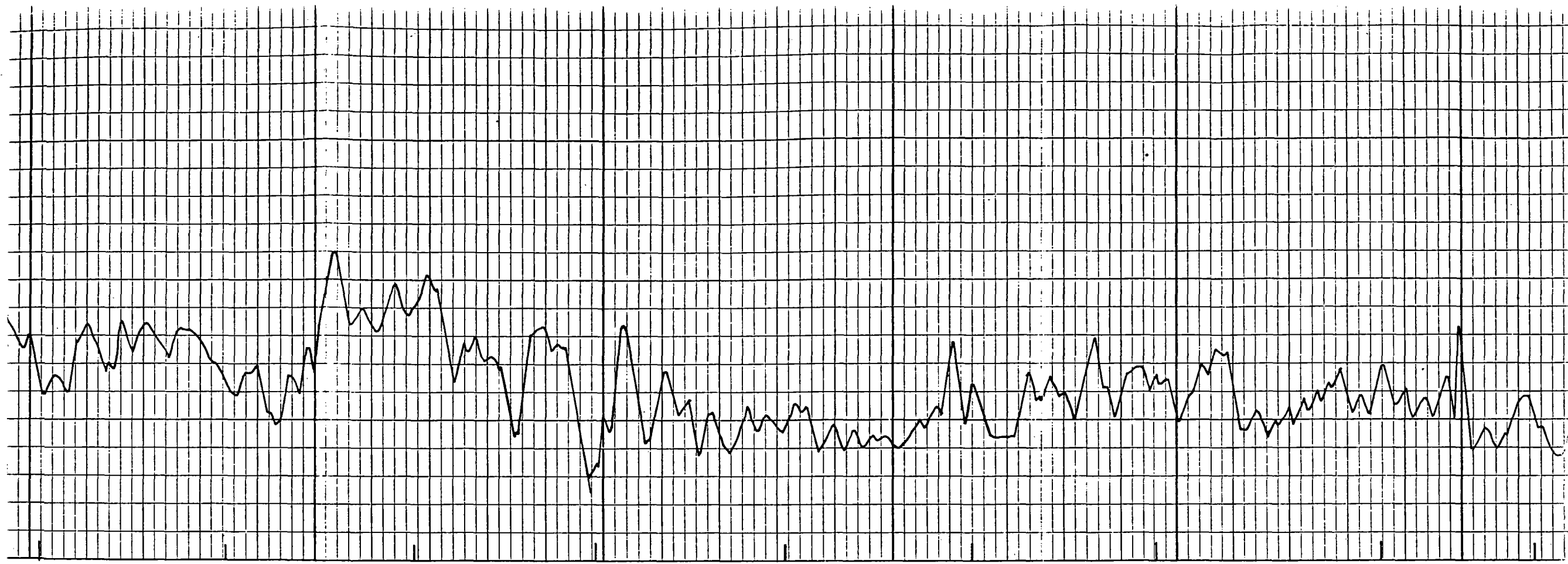
4500

4600

4700



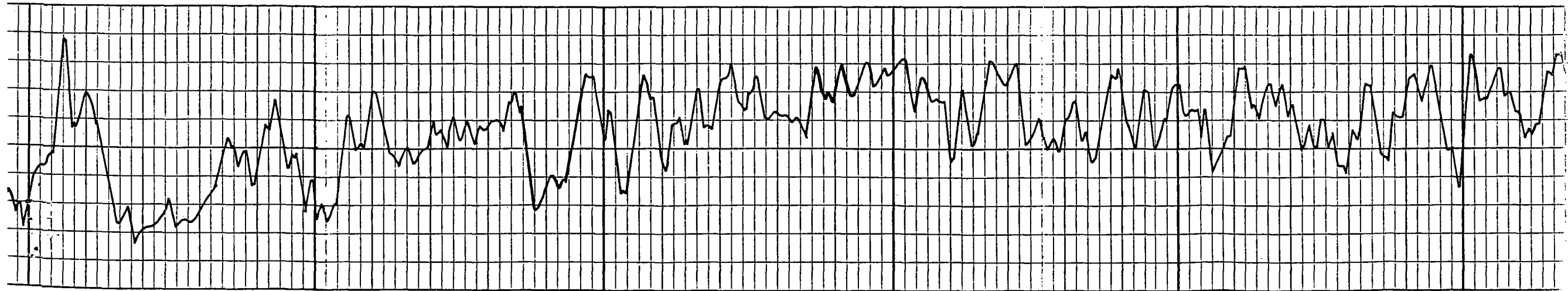


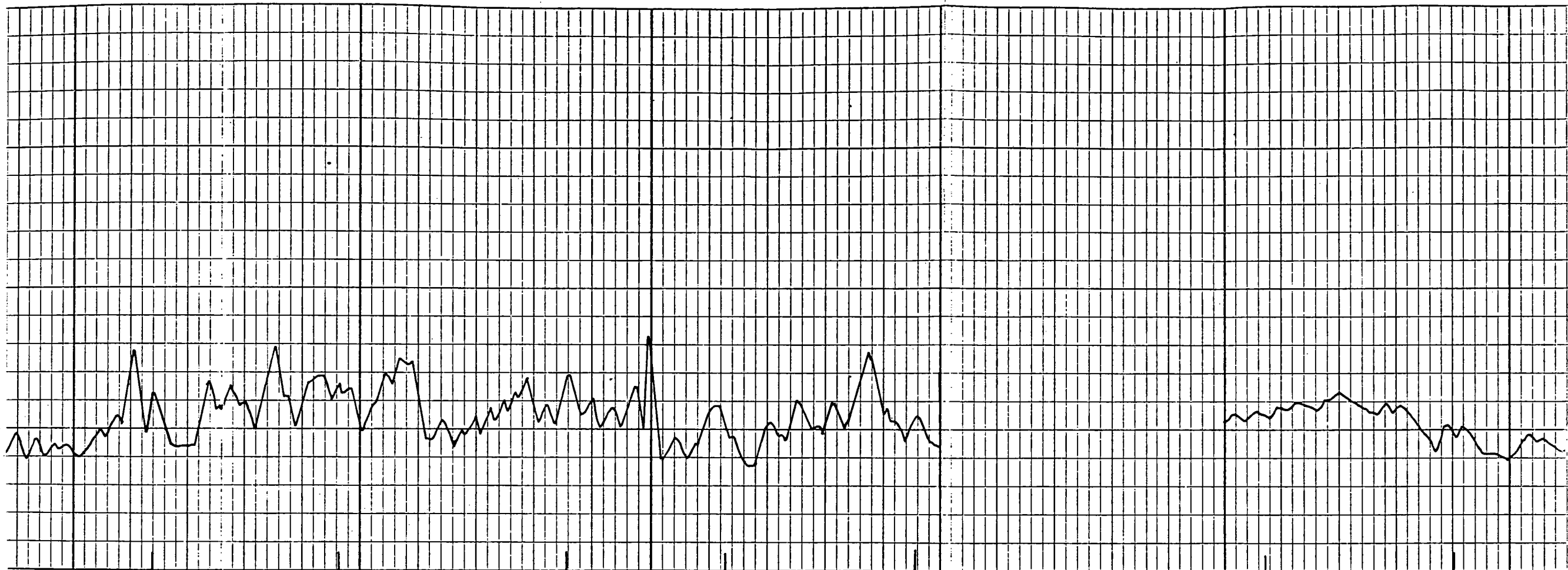


4900

5000

5100

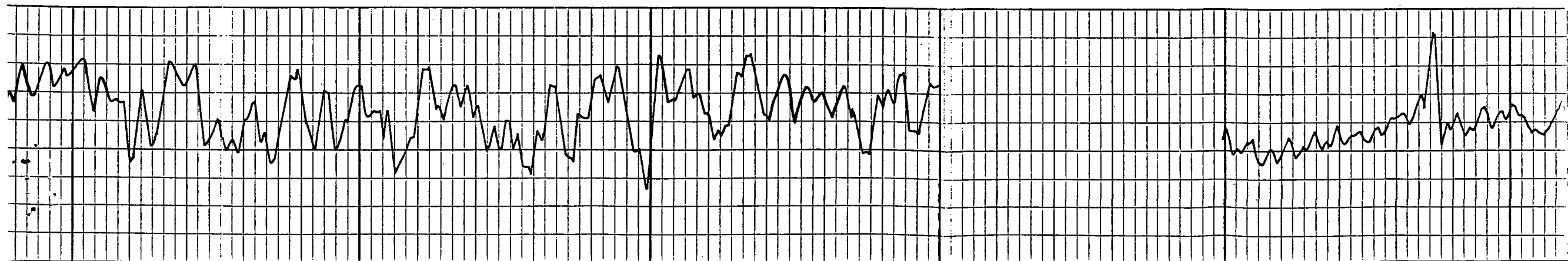


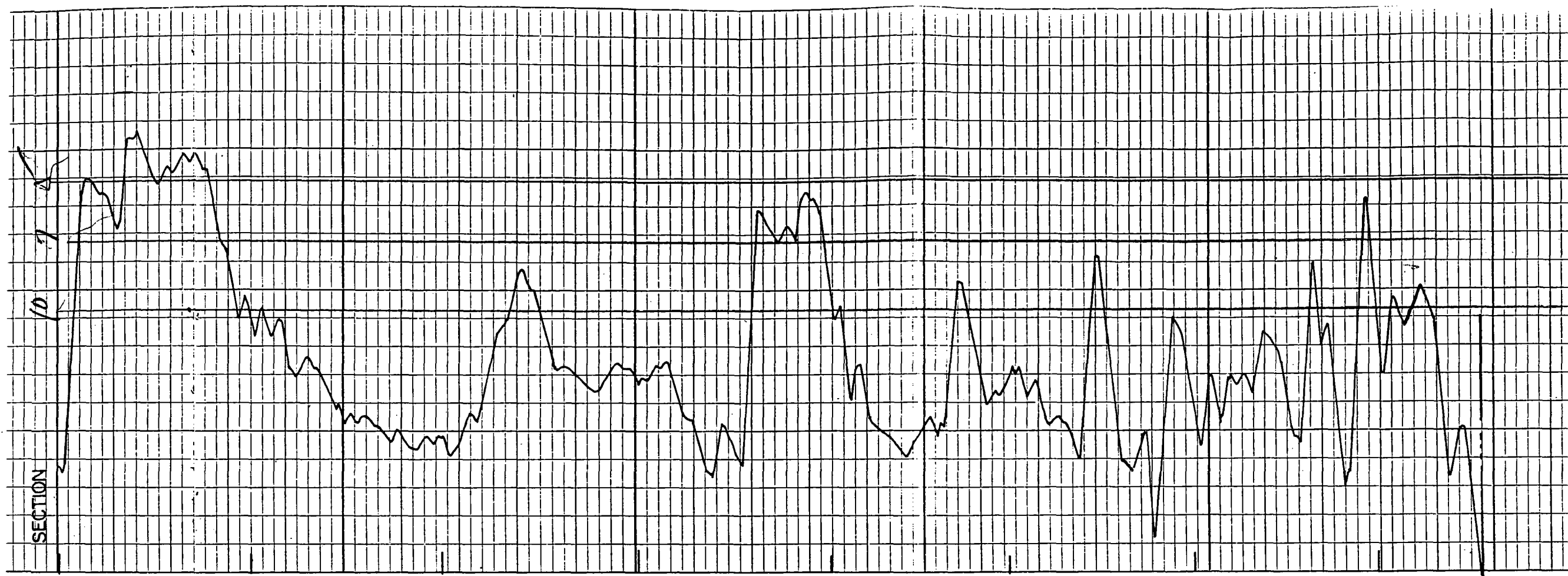


5100

5200

6500

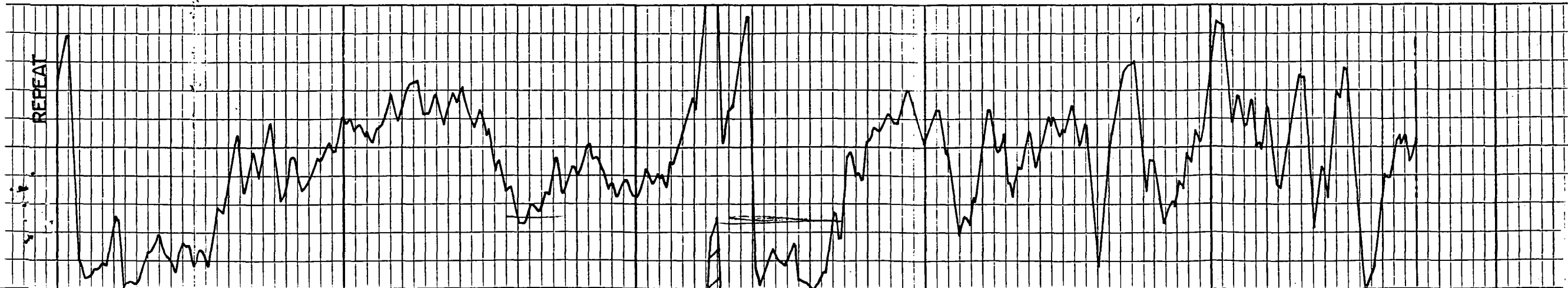




7000

7100

7200



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

DISTRICT II
311 South First., Artesia, NM 88210

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

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

Form C-102
Revised October 18, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 3004509193	Pool Code 72319	Pool Name BLANCO MESAVERDE GAS POOL
Property Code 000470	Property Name E. E. ELLIOTT B	Well Number # 7
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 5942 RKB

Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT H	27	30N	9W		1800	NORTH	990	EAST	San Juan

Bottom Hole 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	County
UNIT B	27	30N	9W		1200	NORTH	1414	EAST	San Juan
Dedicated Acreage: 320	Joint or Infill	Consolidation Code	Order No.						

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

					OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>
					Signature <i>Nancy I. Whitaker</i> Printed Name Nancy I. Whitaker Position Staff Assistant Date 07/02/1997
					SURVEY CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</i>
					Date of Survey 06/10/1964 Signature & Seal of Professional Surveyor ERNEST ECHOHAWK Certificate No. 3602

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

07/21/97 19:10:04
OGOMES -EMFJ
PAGE NO: 2

Sec : 27 Twp : 30N Rng : 09W Section Type : NORMAL

L 40.00 Federal owned	K 40.00 Federal owned A A	J 40.00 Federal owned	I 40.00 Federal owned A
M 40.00 Federal owned	N 40.00 Federal owned A A	O 40.00 Federal owned A	P 40.00 Federal owned A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

07/21/97 19:10:00
OGOMES -EMFJ
PAGE NO: 1

Sec : 27 Twp : 30N Rng : 09W Section Type : NORMAL

D 40.00 Federal owned A	C 40.00 Federal owned A	B 40.00 Federal owned A	A 40.00 Federal owned A A
E 40.00 Federal owned	F 40.00 Federal owned A	G 40.00 Federal owned A	H 40.00 Federal owned A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

Mike Stogner

From: Ernie Busch
To: Mike Stogner
Subject: RE: Additional Dir. Drlg. Appls.
Date: Thursday, July 17, 1997 1:25PM
Priority: High

Mike, here are some more. Ernie

From: Mike Stogner
Sent: Monday, July 14, 1997 4:45 PM
To: Frank Chavez
Cc: William Lemay; Ernie Busch
Subject: Additional Dir. Drlg. Appls.

Two additional directional drilling applications I missed in my list earlier today:

(9) Amoco Production Company (Recommend Approval)
E. E. Elliott "B" #7
N/2 Sec. 27-T30N-R9W
Blanco Mesaverde Pool; and,

(10) Phillips Petroleum Company (Docket for hearing, the acreage they are encroaching on is not permitted for leasing)
San Juan "32-7" Unit Well No. 220
Basin Fruitland Coal Gas Pool
5-T31N-R7W