



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border: none;"> <tr> <td style="width:70%; border: none;">Name</td> <td style="width:15%; border: none;">Top</td> <td style="width:15%; border: none;">Datum</td> </tr> </table>	Name	Top	Datum
Name	Top	Datum		

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Bowman, William F. dba The Bill Bowman Oil Company
Well Name	Doane 1
Doc ID	1106670

Tops

Name	Top	Datum
Anhydrite	884	+757
Base of Anhydrite	889	+752
Topeka	2628	-987
Heebner	2891	-1250
Lansing	2929	-1288
Base of Kansas City	3145	-1504
Cherokee	3370	-1729
Arbuckle	3987	-2346
RTD	4020	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 6191

Date	11-13-12	Sec.	15	Twp.	6	Range	13	County	Osborne	State	Ks	On Location		Finish	5:15 PM												
Lease								Location				Bloomington, Ks - 1E to 150 Rd, 5N,															
Doane								Well No.				1															
Contractor								Precision Drilling				Owner				E/Intro											
Type Job								Surface				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.															
Hole Size				12 1/4"				T.D.				231'				Charge To				Bowman oil							
Csg.				8 5/8"				Depth				225'				Street											
Tbg. Size								Depth								City				State							
Tool								Depth								The above was done to satisfaction and supervision of owner agent or contractor.											
Cement Left in Csg.				15'				Shoe Joint				15'				Cement Amount Ordered								180 sx Common 3% CC			
Meas Line								Displace				100 BLS				2% Gel											
EQUIPMENT																											
Pumptrk				16				No. Cementer				Travis				Common				Used 150							
Bulktrk								No. Driver				Lonnie M.				Poz. Mix											
Bulktrk				p.u.				No. Driver				Rick				Gel.				3							
Bulktrk								No. Driver								Calcium				5							
JOB SERVICES & REMARKS																											
Remarks:								Cement did Circulate								Hulls											
Rat Hole																Salt											
Mouse Hole																Flowseal											
Centralizers																Kol-Seal											
Baskets								100 40' from surface								Mud CLR 48											
D/V or Port Collar																CFL-117 or CD110 CAF 38											
																Sand											
																Handling				180							
																Mileage											
FLOAT EQUIPMENT																											
																Guide Shoe											
																Centralizer											
																Baskets				1							
																AFU Inserts											
																Float Shoe											
																Latch Down											
																Pumptrk Charge				Surface							
																Mileage				58							
																Tax											
																Discount											
																Total Charge											
X Signature																											

ALLIED OIL & GAS SERVICES, LLC 056582

Federal Tax I.D.# 20-5975804

REMIFFED TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
11-20-12	15	6	13			5:00 AM	5:30 AM
LEASE <u>Doane</u>	WELL# <u>#1</u>	LOCATION <u>Osborne KS 4W 5N NE into</u>			COUNTY <u>Osborne</u>	STATE <u>KS</u>	
OLD OR NEW (Check one)							

CONTRACTOR <u>White Knight</u>		OWNER
TYPE OF JOB <u>PTA</u>		
HOLE SIZE <u>7 7/8</u>	T.D. <u>4020</u>	CEMENT
CASING SIZE	DEPTH	AMOUNT ORDERED <u>180 60/46 470 Gel 14810</u>
TUBING SIZE	DEPTH	
DRILL PIPE <u>4 1/2</u>	DEPTH <u>625</u>	
TOOL	DEPTH	
PRES. <u>MAX</u>	MINIMUM	COMMON <u>108</u> @ <u>17.90</u> <u>1933.20</u>
MEAS. LINE	SHOE JOINT	POZMIX <u>72</u> @ <u>9.35</u> <u>673.20</u>
CEMENT LEFT IN CSG.		GEL <u>6</u> @ <u>23.40</u> <u>140.40</u>
PERFS.		CHLORIDE @
DISPLACEMENT		ASC @
		<u>6lb 50# 2</u> @ <u>2.97</u> <u>148.50</u>

EQUIPMENT	
PUMP TRUCK CEMENTER <u>Robert Y Bob s</u>	
# <u>417</u> HELPER <u>Wesley O</u>	
BULK TRUCK	
# <u>481</u> DRIVER <u>Kerry T</u>	
BULK TRUCK	
# DRIVER	

used <u>1605xs</u>	@	
HANDLING <u>193.33</u>	@	<u>2.48</u> <u>479.47</u>
MILEAGE <u>516.16</u>	@	<u>2.60</u> <u>1342.02</u>
		TOTAL <u>4716.79</u>

REMARKS:

<u>80sk @ 625</u>
<u>40sk @ 225</u>
<u>10sk @ 40</u>
<u>30sk @ Kathala</u>

SERVICE

DEPTH OF JOB	<u>625</u>
PUMP TRUCK CHARGE	<u>2158.75</u>
EXTRA FOOTAGE	@
MILEAGE <u>64 HVMF</u>	@ <u>7.70</u> <u>492.80</u>
MANIFOLD	@
<u>64 LUMF</u>	@ <u>4.40</u> <u>281.60</u>

TOTAL 2933.15

CHARGE TO: Bowman Oil Co
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>8 7/8 Wooden plug</u>	@	<u>107.64</u> <u>107.64</u>
	@	
	@	
	@	

TOTAL 107.64

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any) <u>605.09</u>
TOTAL CHARGES <u>7757.58</u>
DISCOUNT <u>2490.18</u> IF PAID IN 30 DAYS
<u>Net 5267.40</u> <u>BS 11-20</u>
<u>before tax</u>

PRINTED NAME Cecil Aldridge
SIGNATURE Cecil Aldridge

Glassman Consulting

**GEOLOGIC
REPORT
LOG**

COMPANY BILL BOWMAN OIL CO.
NATOMA, KS 67651

WELL DOANE #1

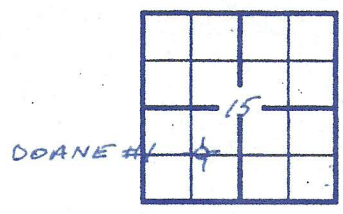
FIELD WILDCAT

LOCATION 1466' FSL & 3336' FEL

SEC. 15 TWP. 6S RGE. 13W

COUNTY OSBORNE

STATE KANSAS



OPERATOR BILL BOWMAN OIL CO.

CONTRACTOR WHITE KNIGHT DRILLING

COMM: 11-14-2012 COMP: 11-20-2012

CASING RECORD

SURF: 8 5/8" @ 218' PROD: NONE

TOTAL DEPTH DRILLERS: 4020

TOTAL DEPTH LOG NA

PRODUCTION DEA

ELEVATION KB 1641
 DF _____
 GL 1636

Drilling Measured From: KELLY BUSHING

Samples Saved From 2500 To: 4020

Drilling Time From 2400 To: 4020

Samples Examined From: 2500 To: 4020

Geological Supervision From 2500 To Total Depth

Wellsite Geologist ED GLASSMAN

Electrical Surveys NONE

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
ANHYDRITE	884 (+757)			NA
B/ ANHYDRITE	889 (+752)			NA
TOPEKA	2628 (-987)			NA
HEEBNER	2891 (-1250)			NA
LANSING	2929 (-1288)			+4
B/ KANSAS CITY	3145 (-1504)			+3
CHEROKEE	3370 (-1729)			-7
ARBUCKLE	3987 (-2346)			NA

REFERENCE WELL FOR STRUCTURE PHILLIPS PETROLEUM,
GRIEVE #1, NW SE NE SEC 6-7S-12W
OSBORNE COUNTY KANSAS

DRILL STEM TESTS

No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHH-FWH	RECOVERY


REMARKS AND RECOMMENDATIONS *THIS TEST WAS VOID OF ANY
DIL SHOWS AND WAS PLUGGED
AND ABANDONED.*

J. J. [Signature]
5741

LEGEND

- 

Anhydrite
- 

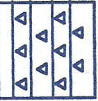
Salt
- 

Sandstone
- 

Shale
- 

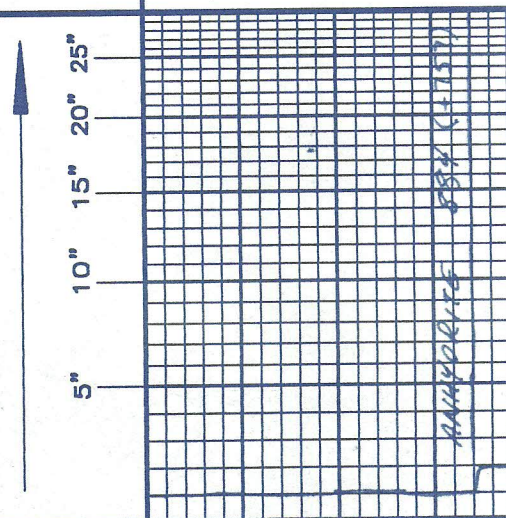

Carb sh
- 

Limestone
- 

Ool. Lime
- 

Chert
- 

Dolomite

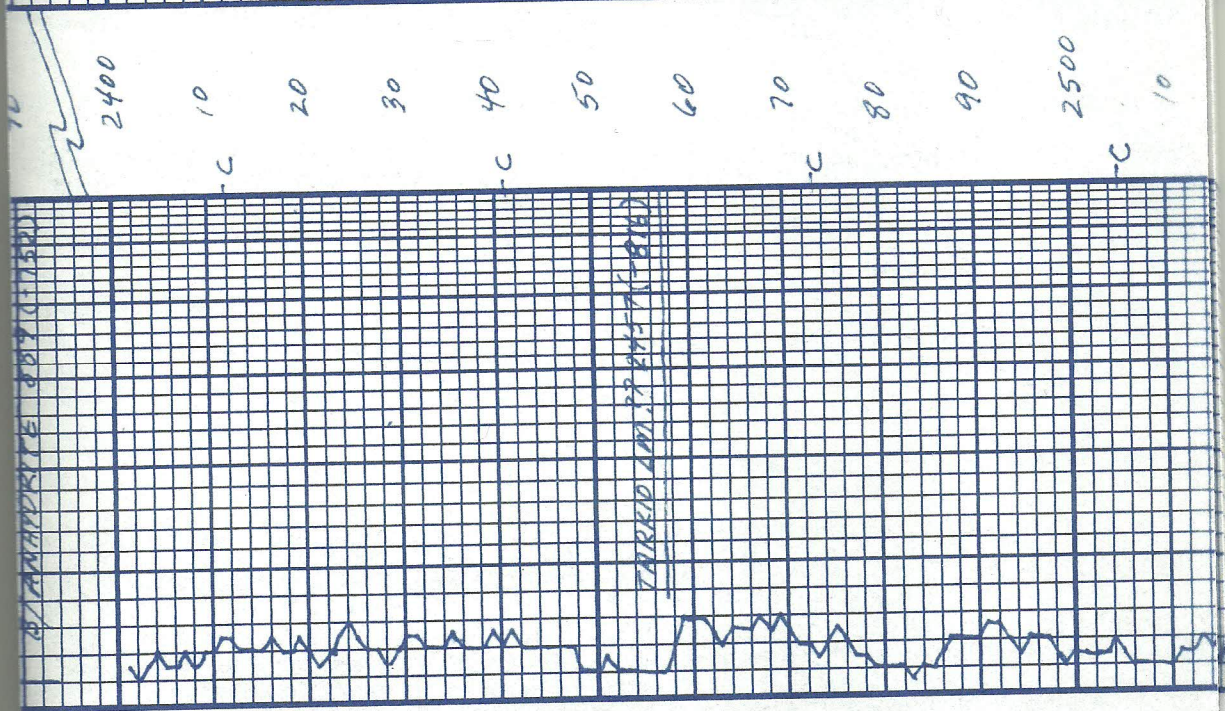
DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
 <p style="font-size: small; margin-top: 5px;">5" 10" 15" 20" 25"</p>	<p>850</p> <p>60</p> <p>70</p> <p>80</p>		<div style="border: 1px solid black; height: 100px;"></div>	<div style="border: 1px solid black; height: 100px;"></div>	<div style="border: 1px solid black; height: 100px;"></div>

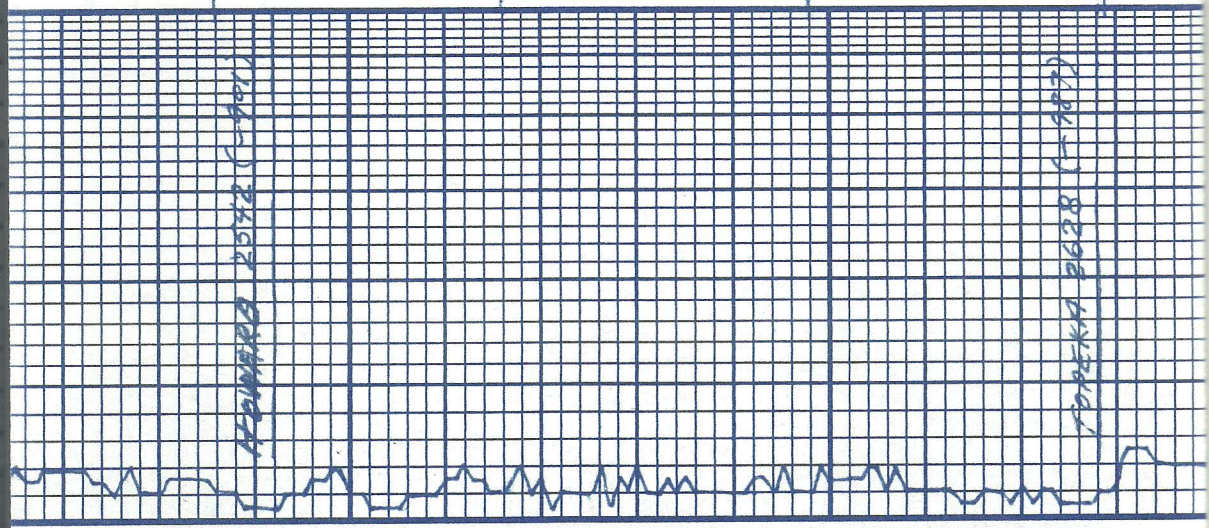
ANHYDRITE 850 (+1350)

start 1' dry. time

start 10' wet
Dry smpls.

SH: ggy, f-med
p/ty.

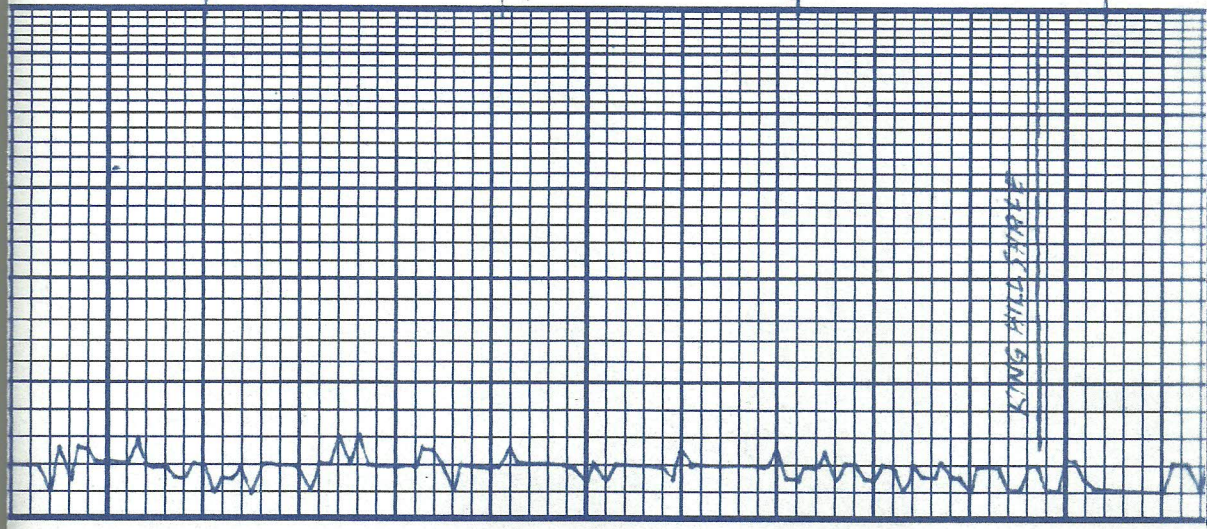




HEPNERA 2572 (F-981)

HEPNERA 2628 (F-987)

20		
30		SH: gry, sme blk, pthy - blk.
40		LS: 17 gry, f. med xln, f. pos, inter xln, NS.
50		LS: gry, f. med xln, f. pos, inter xln - frag, NS.
60		
70		SH: gry, med, blk.
80		LS: tan-14 gry - gry, f-C xln, mottled, inter xln, NS.
90		LS: SAB,
2600		LS: gry - drk gry, f, pthy - blk, inter xln, NS.
10		SH: gry, f, pthy - blk
20		
30		LS: tan-17 gry, f. med xln, f. pos, inter xln, NS.

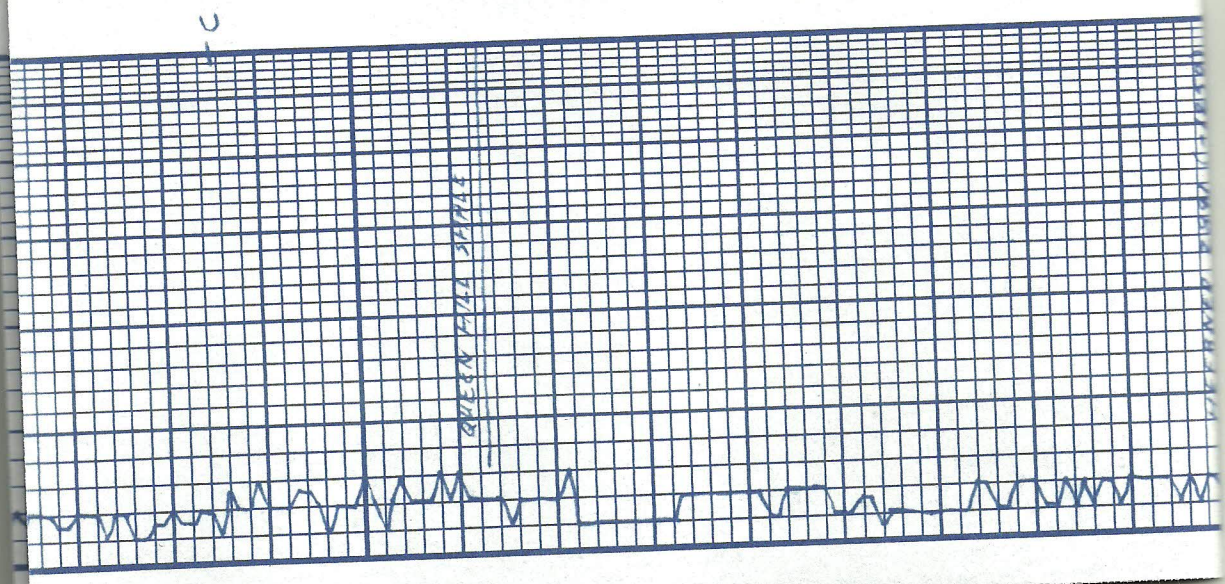


70
50
C 60
70
80
90
C 2700
10
20
C 30
40
50
C 60

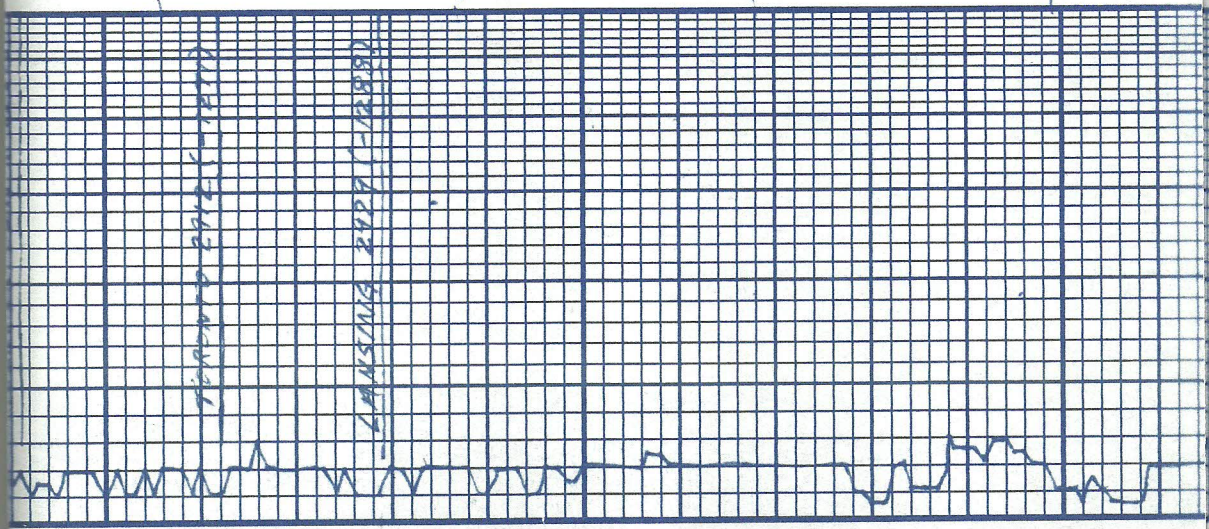
LS: SAB	SH: gry, med, plty.
LS: tan, lt gry, inter xln @ NS.	
LS: tan - lt gry, f-med xln, sme dk gry chnts inter xln @ NS.	
LS: tan - lt gry, f-med xln, inter xln - frag @ NS.	
LS: tan - lt brn, f-med xln, inter xln - frag @ NS.	
LS: tan - lt brn, sl' smdy ip, inter xln - gran @ NS.	
LS: tan - brn, f-med xln, inter xln @, VSI adbr, NSFB.	
LS: tan, f-med xln, inter xln @ NS.	
LS: tan, f-med xln, inter xln @ NS.	
SH: blk, carb, blk.	
SH: gry - dk gry med plty - blk.	
LS: tan - lt brn, chnts	

0

70	f-med xln inter xln ♂, NS
80	LS: tan - dark brn, f.xln, sme micro xln, inter xln ♂, p, NS
90	SH: gry, med, blk, y.
2800	LS: tan - lt gry, f-med xln, inter xln ♂, NS.
10	SH: blk, carb, blk, y. SH: gry, med, p, ty.
20	LS: tan - lt gry, f-med xln, inter xln ♂, NS.
30	LS: tan, f-med xln, f.os, inter xln - frsg ♂, NS.
40	SH: gry, med, blk, y.
50	LS: tan - dark gry, chry, f-med xln, inter xln ♂, NS. chiky
60	SH: gry - blk, med, blk, y.
70	LS: tan - gry-brn, f-med xln, inter xln ♂, NS. chiky
80	LS: tan - gry-brn, f-med xln, inter xln ♂, NS. chiky



GREEN FILL SAMPLE



2900
 10
 20
 30
 40
 50
 60
 70
 80
 90
 3000
 10

SH: blk, carb, plty-blky.
 SH: gry, med, f, plty-blky.
 LS: wt - lt tan, f-med xln, chky, inter xln Ø, NS.
 LS: tan, f-med xln, chky, inter xln Ø, NS.
 LS: tan, sme lbrown, f-med xln, inter xln Ø, NS.
 SH: gry
 LS: tan to lt gry, col, inter xln -ool Ø, chky, NS.
 LS: tan, f-med xln, inter xln -ool Ø, chky, NS.
 SH: gry, f, plty.
 LS: tan, med xln, inter xln Ø, NS.
 LS: SAB
 SH: gry, med, plty-blky.

LS: tan, f-med xln, pol-
amoldic, inter xln - ool-
oom P, NS.

LS: SAB

SH: gry

LS: tan, f-med xln, inter
xln P, NS.

LS: tan, f-med xln, inter
xln P, NS.

LS: tan - lt brn, f-med
xln, inter xln P, NS.

SH: blk, carb,

LS: tan, some pinkish-
yol
f xln, smc micro xln,
NS.

LS: tan, inter xln P, ool,
NS

LS: tan - brn, med xln,
NS

LS: tan - gry, modls,
inter xln P, NS.



20

30

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60

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80

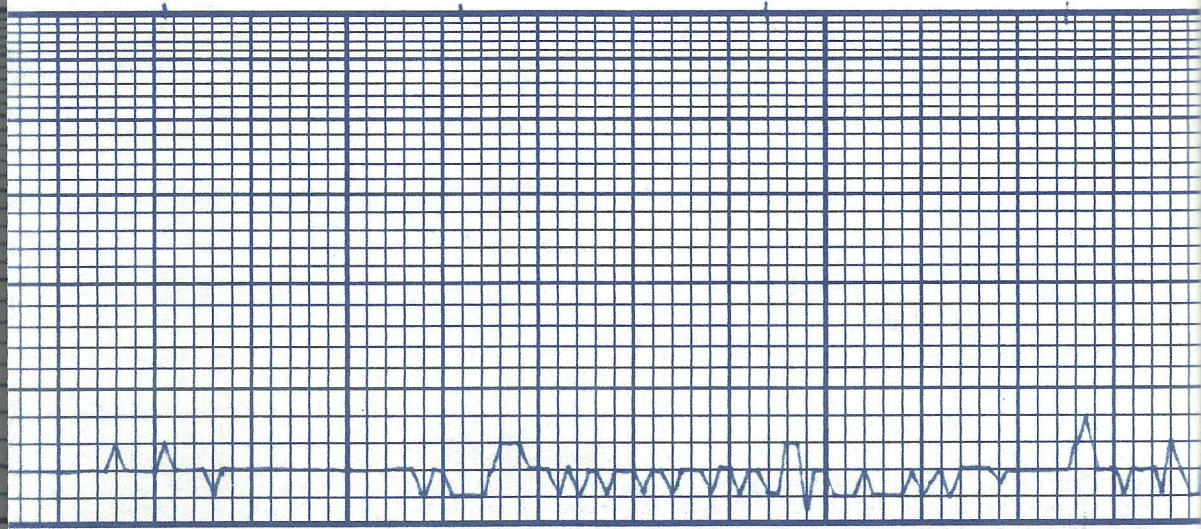
90

3100

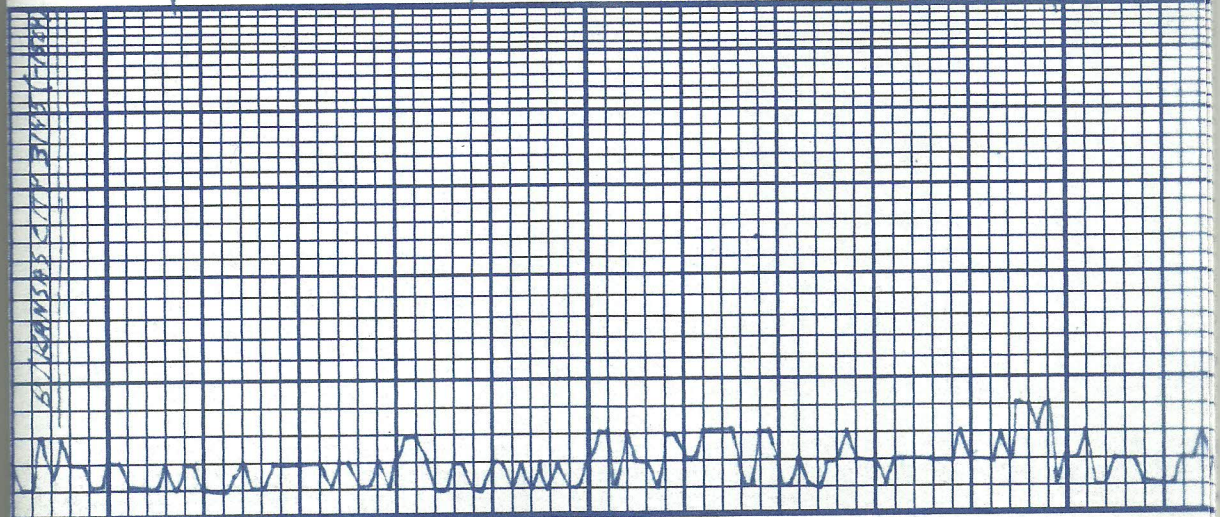
10

20

30



1986



40	SHI: gry, grn, brn, pty - blk.		
50	LS: tan, f, s, in ter xln - f, s, NS		-C
60	LS: tan, shrt, abund. f, s, in ter xln f, NS. STAFFELLAS		70
80	LS: SAB		80
90	LS: tan, p-med xln, in ter xln f, NS.		-C
3200	SHI: vari cord,		
10	LS: tan - 14 grn, f-med xln, motid, inter xln NS		10
20	LS: SAB,		-C
30	SH: blk, gry, blk.		30
40	LS: tan, f-med xln, NS.		40
50	SH: blk, gry, sme grn, blk.		-C
60	SH: gry, med, pty - blk.		60

L5: tan, f-med xln.



inter xln P NS.

SH: gry. varic clud.

L5: tan-14 brn, f-med xln, inter xln P NS.

sme gry

L5: gry, f xln, dus ip

NS

SH: blk carb

L5: tan, f-med xln, ch/ky, inter xln P NS.

SH: gry, sme blk, blk.

SH: blk carb

SH: gry, f, pty.

SH: blk carb

70

80

90

3300

10

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70

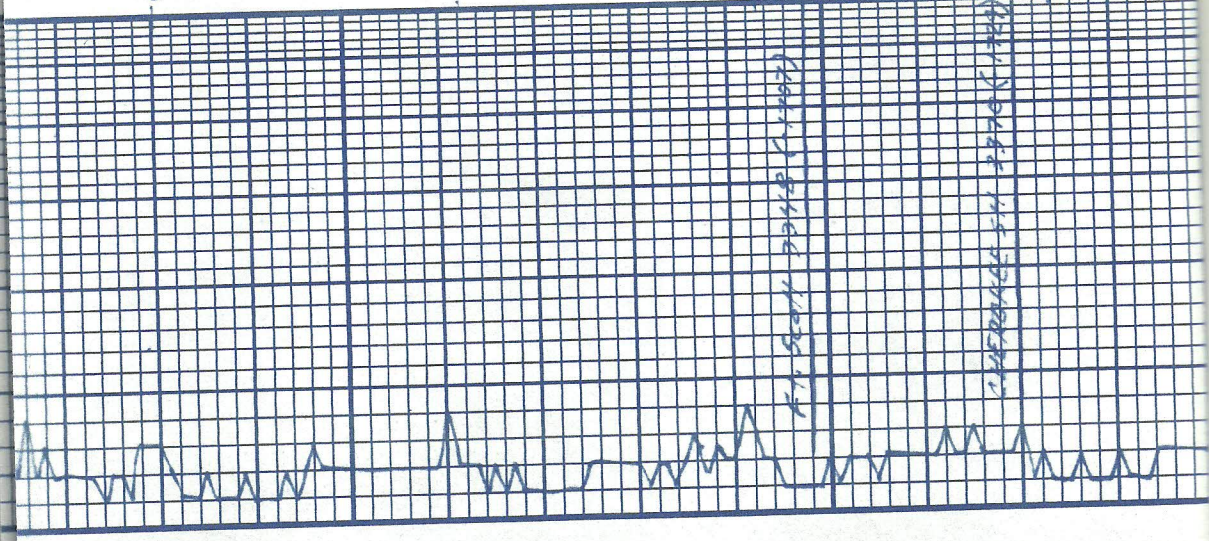
80

C

C

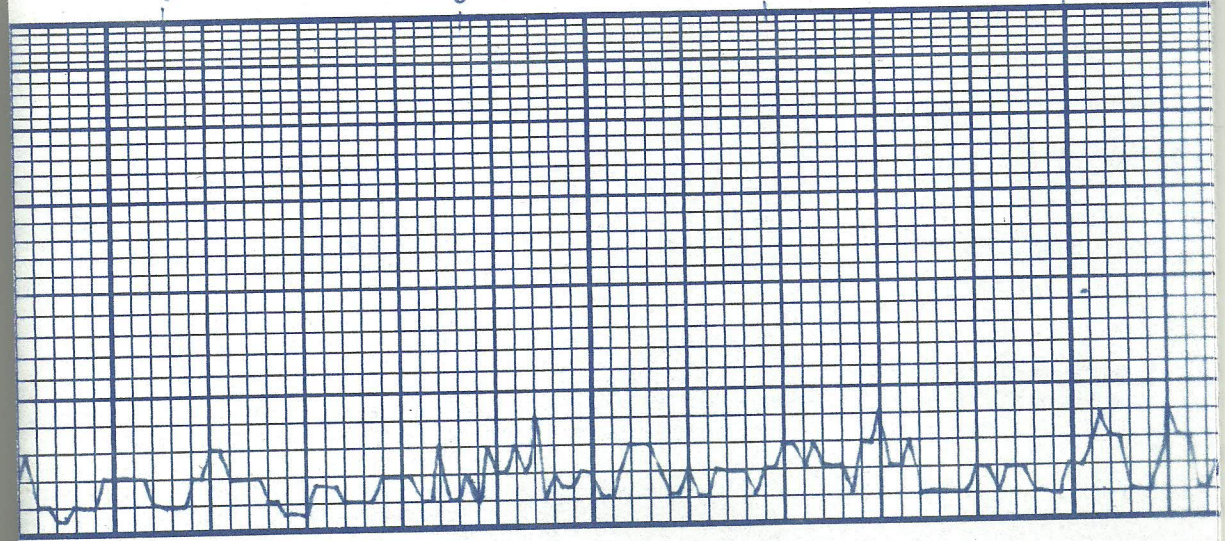
C

C



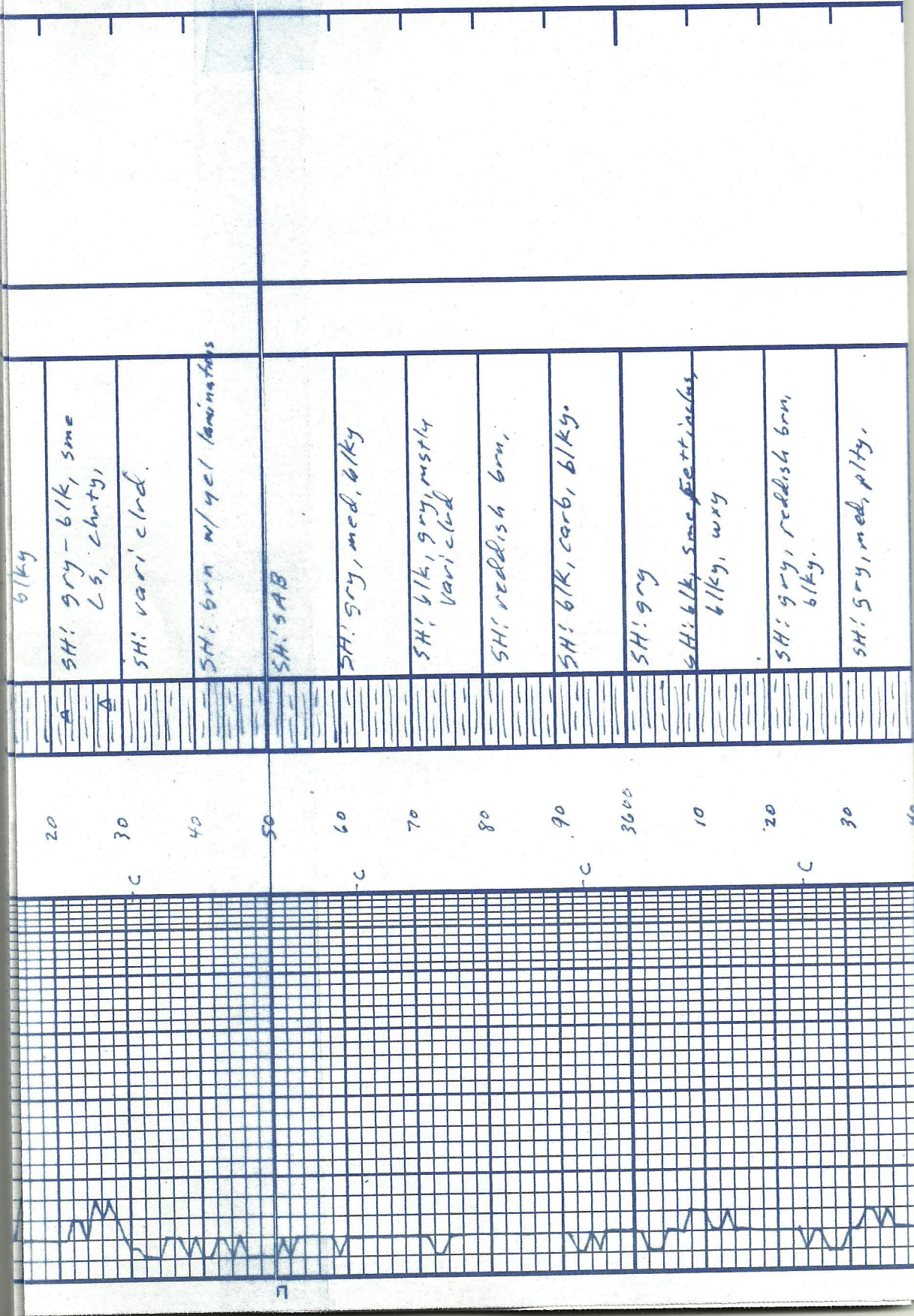
P1: 3011 3012 (1997)

CHERANCE SH 3370 (1997)



SH: blk, carb
SH: gry-blk, med, plty
SH: brn, f, plty
SH: gry, brn, olive grn, plty-blky.
SH: gry, some gel-grn,
SH: blk brn, some ls: plus, wt-gry
SH: gry-brn, med, blk.
SH: gry-blk, med, plty-blky.
SH: gry, vari clrd,
SH: gry, vari clrd, mostly gel-olive grn, plty-blky.
SH: gry-brn-blk.
SH: vari clrd
SH: gel-gry, med,

10
 3400
 10
 20
 30
 40
 50
 60
 70
 80
 90
 3500
 10



blk

SH: gry - blk, sme
Ls, chnty,

SH: varic lnd.

SH: brn w/yel laminations

SH: SAB

SH: gry, med, blk

SH: blk, gry, mostly
varic lnd

SH: reddish brn,

SH: blk, carb, blk

SH: gry

SH: blk, sme ferric las,
blk, wxy

SH: gry, reddish brn,
blk

SH: gry, med, pty,

20

30

40

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60

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80

90

3000

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C

7

SH: reddish brn, f-med,
blk. sme grn-yel

SH: SAB

SH: gry, sndy, f-med,
pty.

SH: varicled, sme snd
arkosis, NS

SH: gry - blk, wxy, pty.
sme chrt, speckled,
wt-lt gry

CHRT: wt, lt gry, opaque,
sme clr, brn. ngate



50

60

70

80

90

3700

10

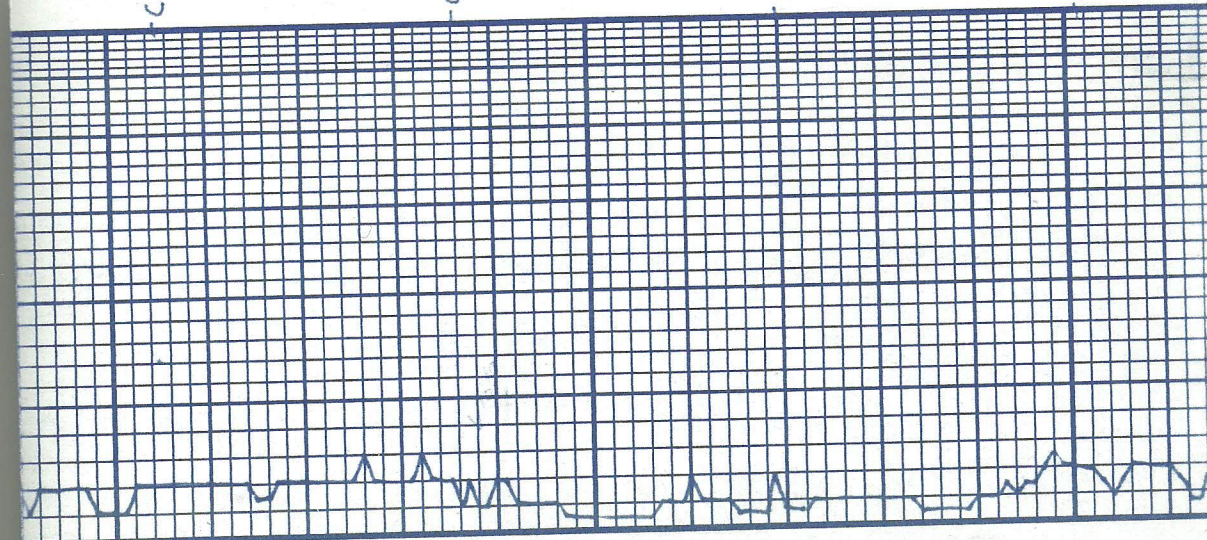
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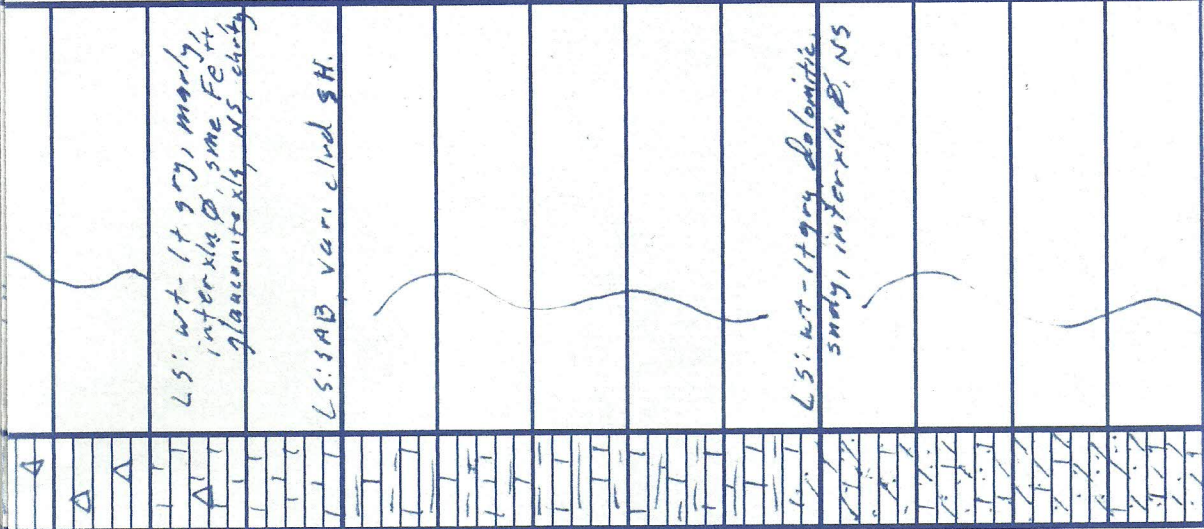
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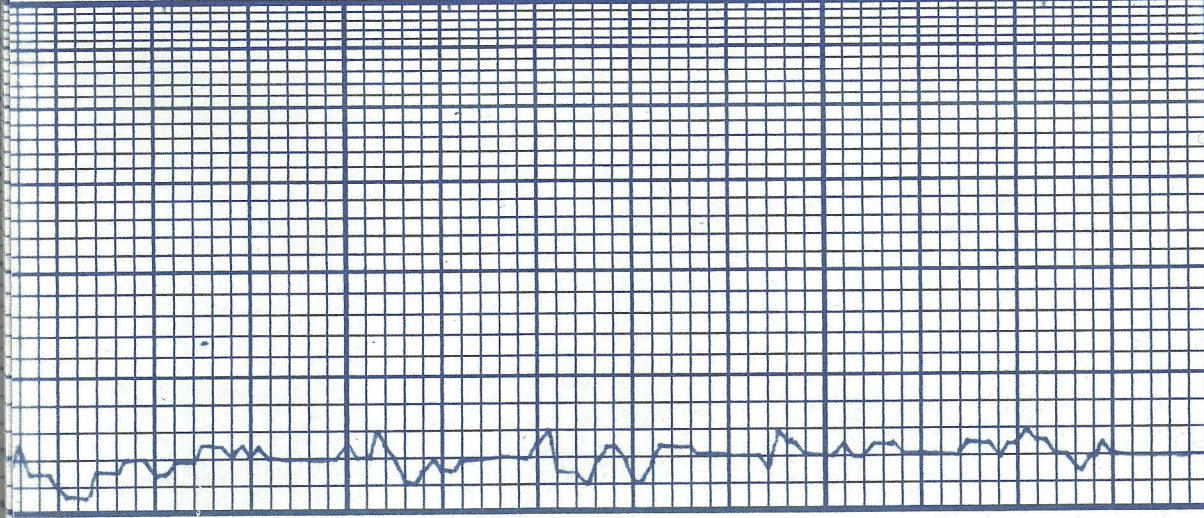
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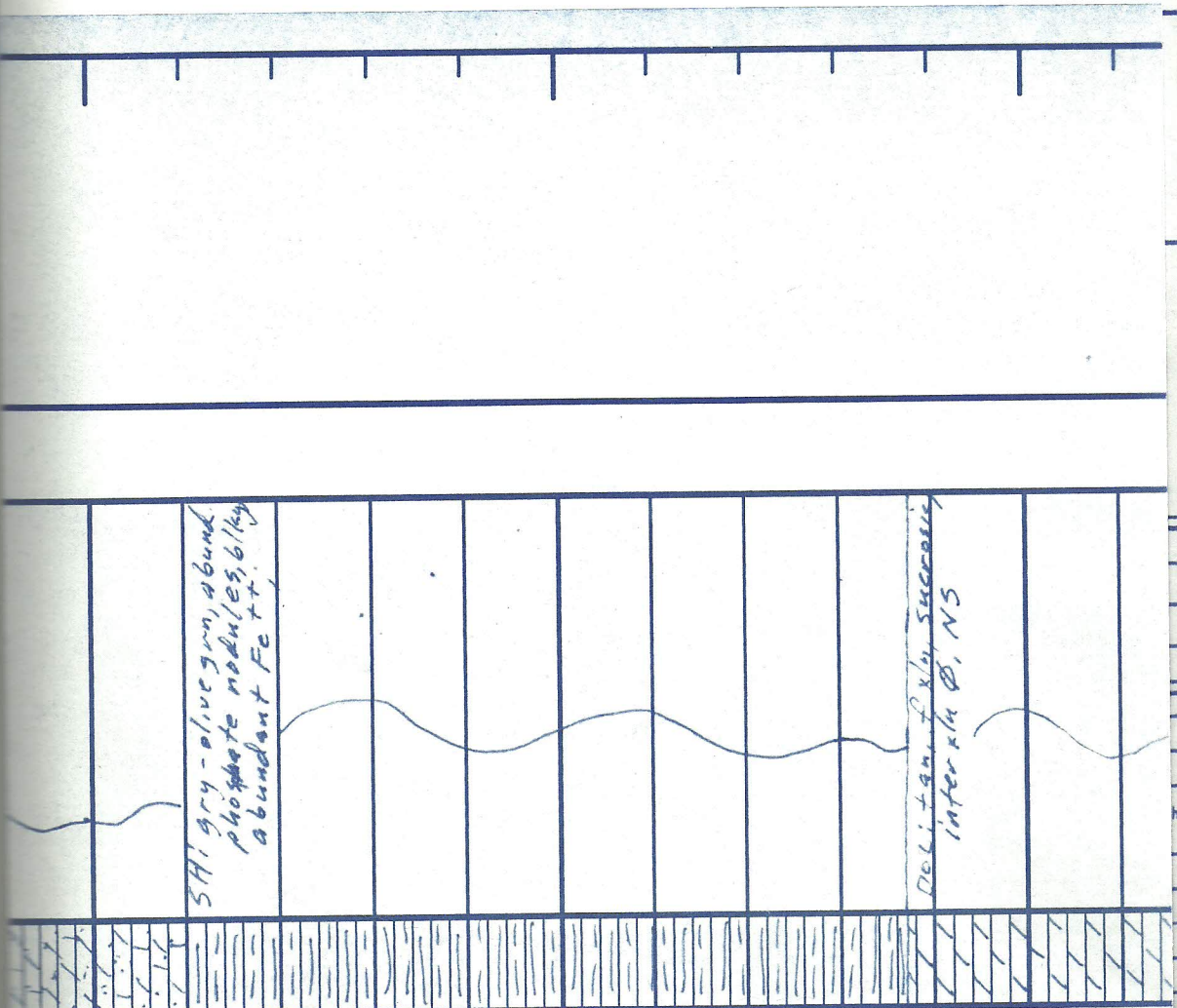
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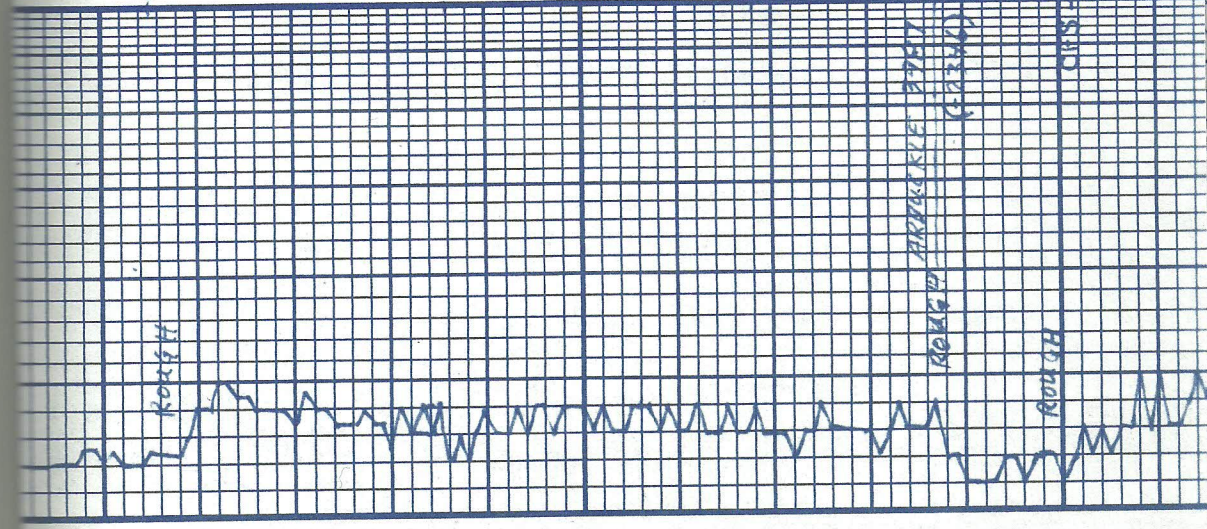


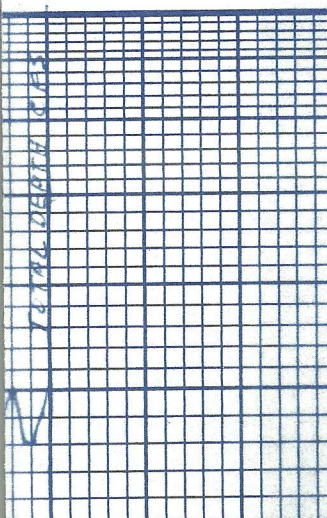
70
80
90
3800
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20
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70
80
90





3900
10
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70
80
90
4000
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DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
20	[Hatched pattern]			
30	[Horizontal lines]			
40	[Horizontal lines]			

CONTRACTOR White KNIGHT DRILLING LLC LOCATION _____
 LEASE DOANE IP NONE SEC 15 TWP 6735 RNG 13W
 ELEVATION KB 1641 RTD 4020 COUNTY OSBORNE STATE KANSAS

DRILLING TIME Minutes/Foot
 Rate of Penetration Decreases