



1091472

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 22, 2012

Ted McHenry  
Raymond Oil Company, Inc.  
PO BOX 48788  
WICHITA, KS 67202-1822

Re: ACO1  
API 15-203-20178-00-00  
Eder 7 1  
SE/4 Sec.07-20S-35W  
Wichita County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Ted McHenry



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Raymond Oil Co

**7-20-35 Wichita, KS**

P.O. Box 48788  
Wichita, Ks 67202

**Eder 7 #1**

Job Ticket: 46516

**DST#: 1**

ATTN: Max Lovely

Test Start: 2012.05.17 @ 07:10:05

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:35:20

Time Test Ended: 15:49:35

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 60

**Interval: 4491.00 ft (KB) To 4514.00 ft (KB) (TVD)**

Reference Elevations: 3171.00 ft (KB)

Total Depth: 4514.00 ft (KB) (TVD)

3161.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press @ Run Depth: 815.65 psig @ 4492.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.17

End Date:

2012.05.17

Last Calib.:

2012.05.17

Start Time: 07:10:10

End Time:

15:49:35

Time On Btm:

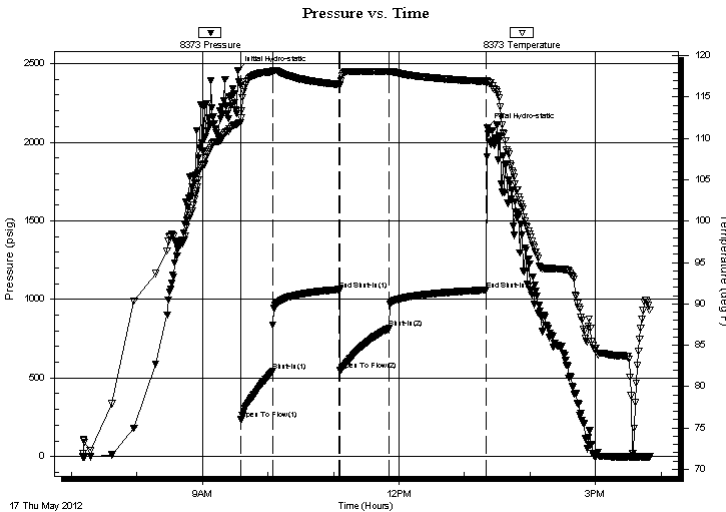
2012.05.17 @ 09:32:35

Time Off Btm:

2012.05.17 @ 13:21:05

**TEST COMMENT:** IF: BOB in 3 min.  
IS: Surface blow built to 1/2.  
FF: BOB in 4 min.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2457.07	111.74	Initial Hydro-static
3	236.12	112.44	Open To Flow (1)
32	545.04	118.03	Shut-In(1)
93	1063.26	116.49	End Shut-In(1)
94	548.75	116.38	Open To Flow (2)
138	815.65	118.02	Shut-In(2)
228	1059.51	116.85	End Shut-In(2)
229	2092.85	116.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
930.00	100% w ater	9.70
465.00	mcw 90%w 10%m	6.52
248.00	mcw 60%w 40%m	3.48

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Raymond Oil Co

**7-20-35 Wichita, KS**

P.O. Box 48788  
Wichita, Ks 67202

**Eder 7 #1**

Job Ticket: 46516

**DST#: 1**

ATTN: Max Lovely

Test Start: 2012.05.17 @ 07:10:05

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

39000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
930.00	100% water	9.702
465.00	mcw 90%w 10%m	6.523
248.00	mcw 60%w 40%m	3.479

Total Length: 1643.00 ft      Total Volume: 19.704 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .14@92=39000

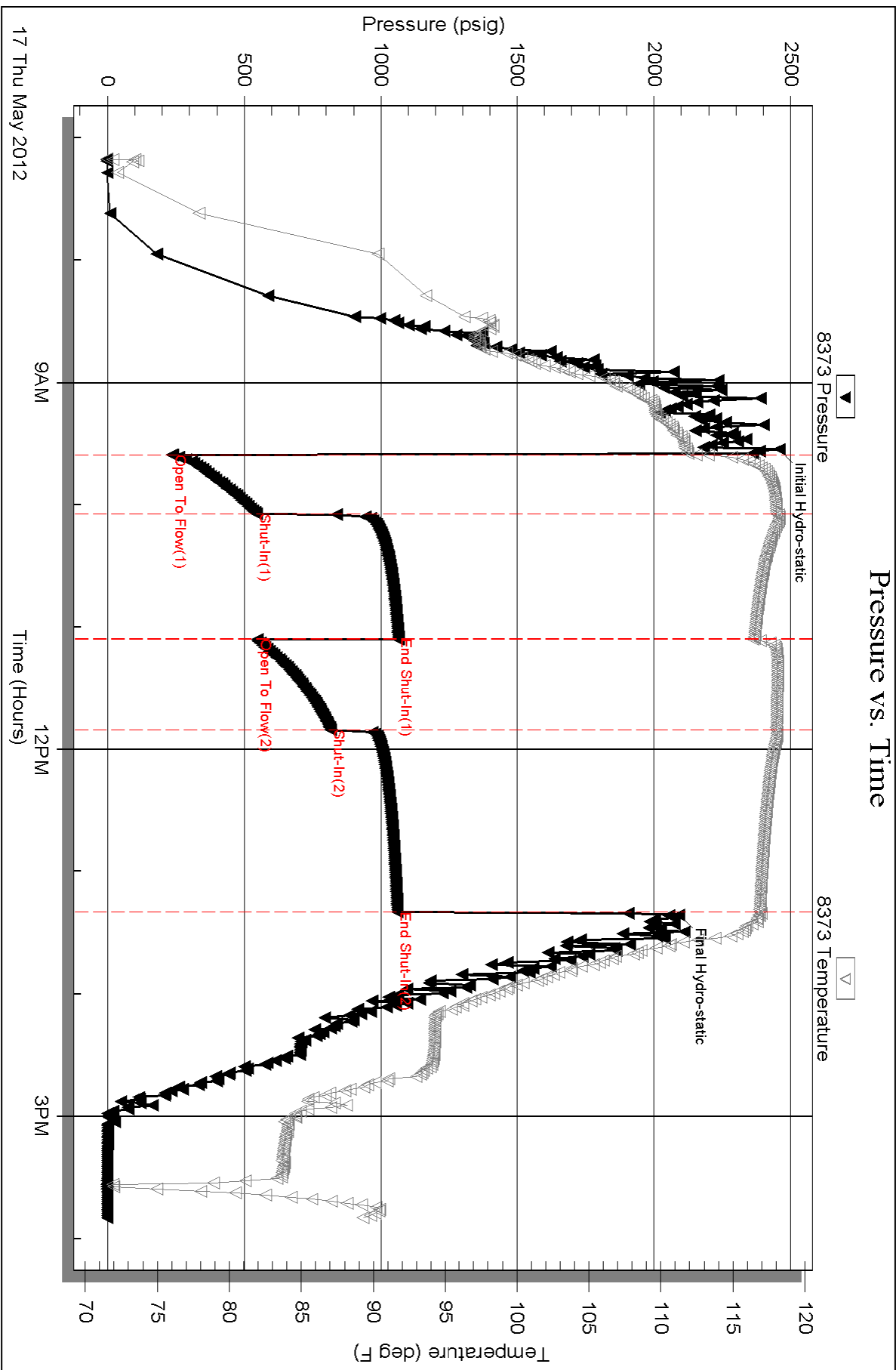
Serial #: 8373

Inside

Raymond Oil Co

Eder 7 #1

DST Test Number: 1









Max R. Lovely

**GEOLOGIST'S REPORT**

DRILLING LOG AND SAMPLE LOG

COMPANY	Raymond Oil Co.			ELEVATION	
LEASE	Eder 7 #1			KB	3171
FIELD	Wildcat			DF	
LOCATION	NE SW NW SE			GL	3159
RFD	7	TWSP	20	RSE	35W
COUNTY	Wichita		STATE	KS	
CONTRACTOR	H2 #1			CASING	
DATE	5-11-2012	COMP	5-20-2012	CONTACT	8 5/8" @ 26
DEPT	5080	LTD	5081	PRODUCTION	—
MEASURE	3447	TYPE	Chem	ELECTRICAL SUP	COMP MID
					DI, MICRO

FORMATION TOPS AND STRUCTURAL POSITIONS

FORMATION	SAMPLE TOP	ELECTRICAL LOG TOP	GRID SECTION	STRUCTURAL POSITION	STRUCTURAL POSITION
Base Anhydrite	2293				881
Stoller	3530	3528	-357	-358	-353
Heebner	3941	3948	-777	-774	-776
Lansing	3993	3997	-826	-821	-823
Stark	4311	4309	-1138	NA	-1145
Marmaton	4488	4488	-1317	-1298	-1309
Pawnee	4586	4582	-1411	-1397	-1408
Myric Station	4619	4618	-1447	-1433	-1443
Fl. Scott	4633	4632	-1461	-1451	-1460
Cherokee	4662	4662	-1491	-1480	-1487
Johnson	4708	4710	-1539	-1524	-1530
Atoka	4757	4758	-1587	-1573	-1577
Morrow SH	4841	4840	-1689	-1651	-1661
Mississippi	4961	4960	-1789	-1774	-1757

REFERENCE WELLS FOR STRUCTURE

a. Raymond Holstein-Lov #1 SW NW NW NE 7-20-35W

c. Raymond Eder #2 NE NE SW 17-20-35W





SH, GRY, STICKY

LS, GRY, F → M XTLN, CRS TXT,  
FOSS, F XTLN, NS

LS, TAN, F → M XTLN, CRS XTLN  
W/N, G XTLN, NS

LS, GRY, AA, SITY

LS, LT GRY, F XTLN, SOFT,  
CHLKY, NS

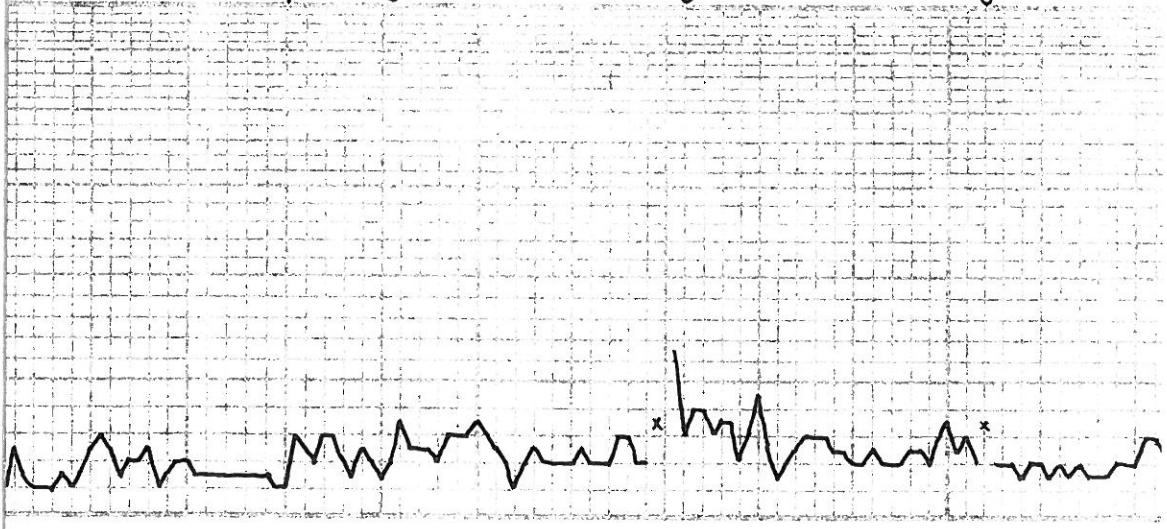
SH, GRY

LS, GRY, VP XTLN, DNS, SOFT

WWW

STOTLER  
3530 -359

3600



3700

SH, GRY

LS, GRM, F XTLN, DMS, SOFT,  
NO APPR, NS

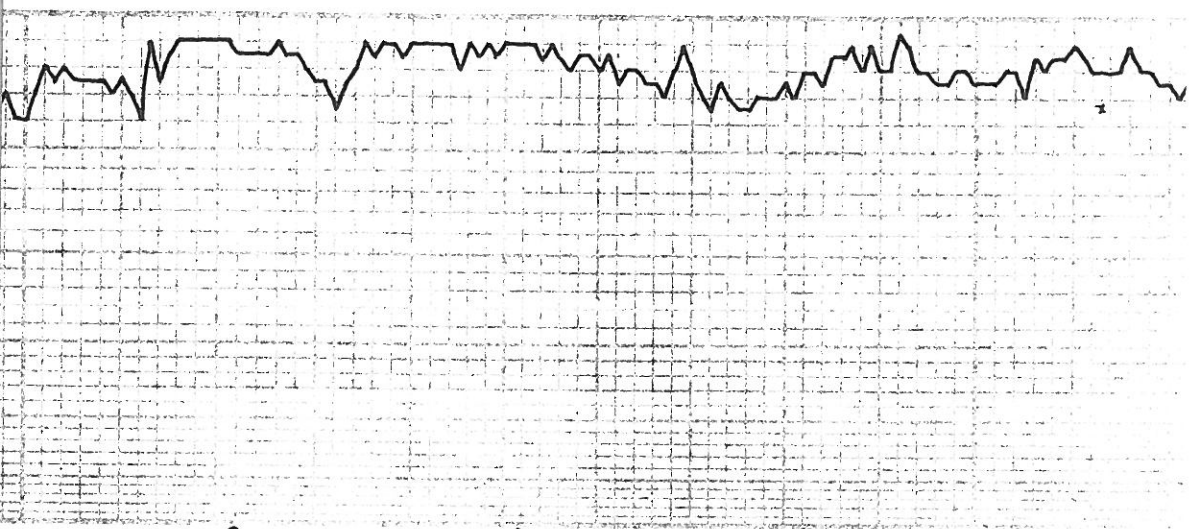
SH, GRY

LS, WHT, F → M XTLN, V G XTLN/P  
NS

LS, BRN/GRY, BLK MINS W/W,  
BRITL, ? P, NS

LS, GRY, TAN, F → M XTLN, M HRD,  
SL BRITL, V G XTLN P, V FOSS  
NS

LS, WHT, GRM, F XTLN, SL CHKY,  
SOFT, CRUMBLY, F → P, NS



7:AM 5.15.12  
DRLG @ 3763

MUD CHECK  
VIS 80 WT 8.8  
CHLOR 7.00 LCM 3  
FILT 10.4

LS. GRY / WHT, VF XTLN, BR TL,  
SOFT, NO FOSS, ? FINS

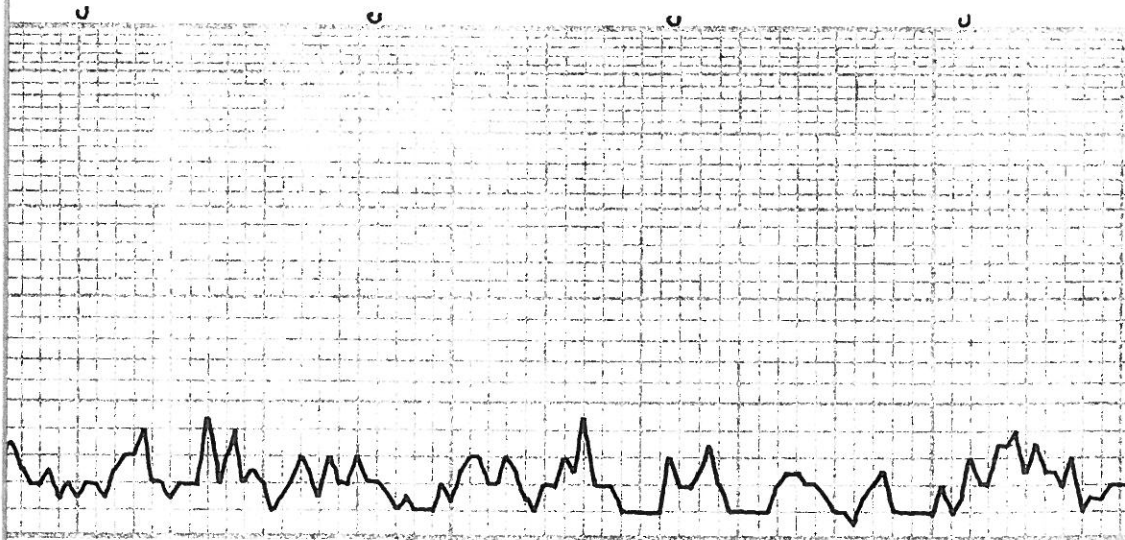
LS. CRM, CHLKY, V SOFT, NS

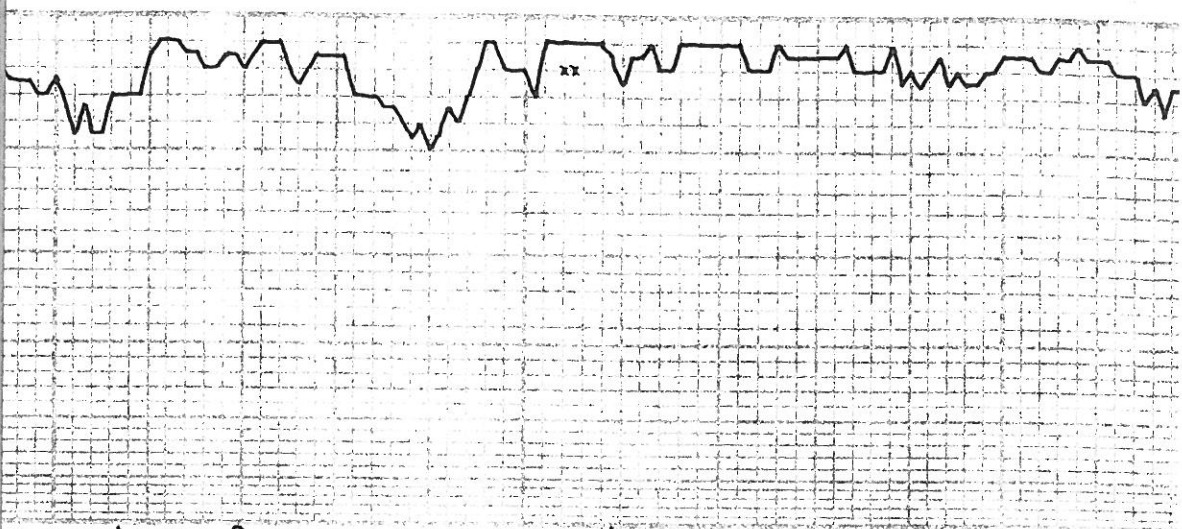
LS. CRM, TAN, V SOFT, SCT FOSS,  
BR TL, SCT GR YCHT, NS

LS. CRM, VF XTLN, V FOSS, M HRD,  
NO APP FINS

LS, WHT, CRM, TAN, F XTLN,  
V FEW FOSS, M HRD, SL PP

3800





3900

L.S. TAN, V SOFT, C HLKY,  
BRN MINS w/M, MS

M.A.

HEBRER  
3941 - 770

SH, BLK CAB, [REDACTED]

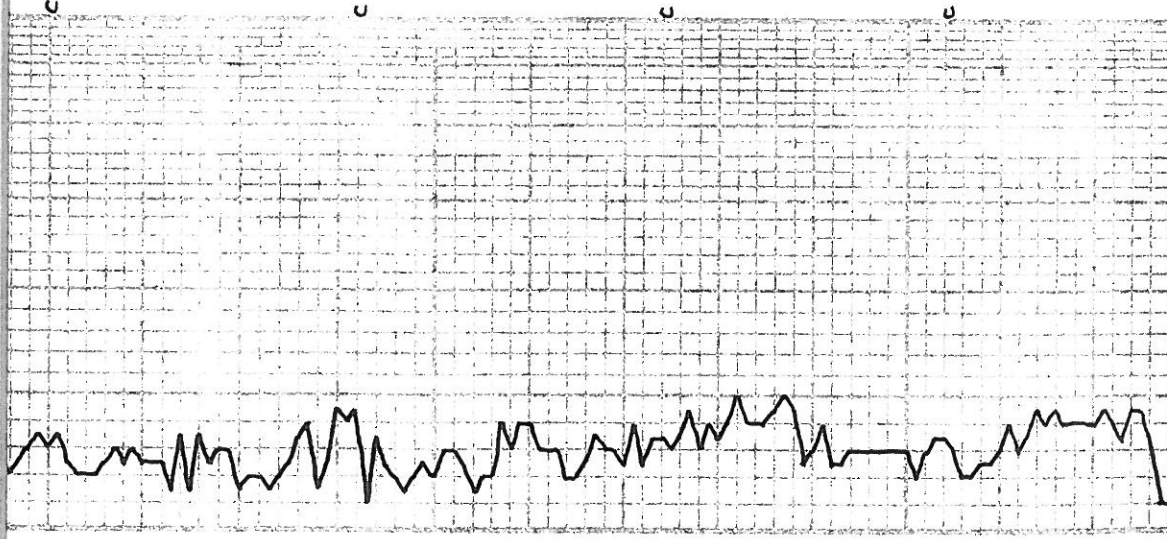
L.S. WHT, V EXTLN, V DMS,  
HRD, T, TE, MS

A.A.

SH, GRN, GRN

LANSING  
3993 - 822  
4000

L.S. WHT, F XTLN, HRD, SL  
Foss, VP XTLN B. MS



c

c

c

c

4100

A.A.

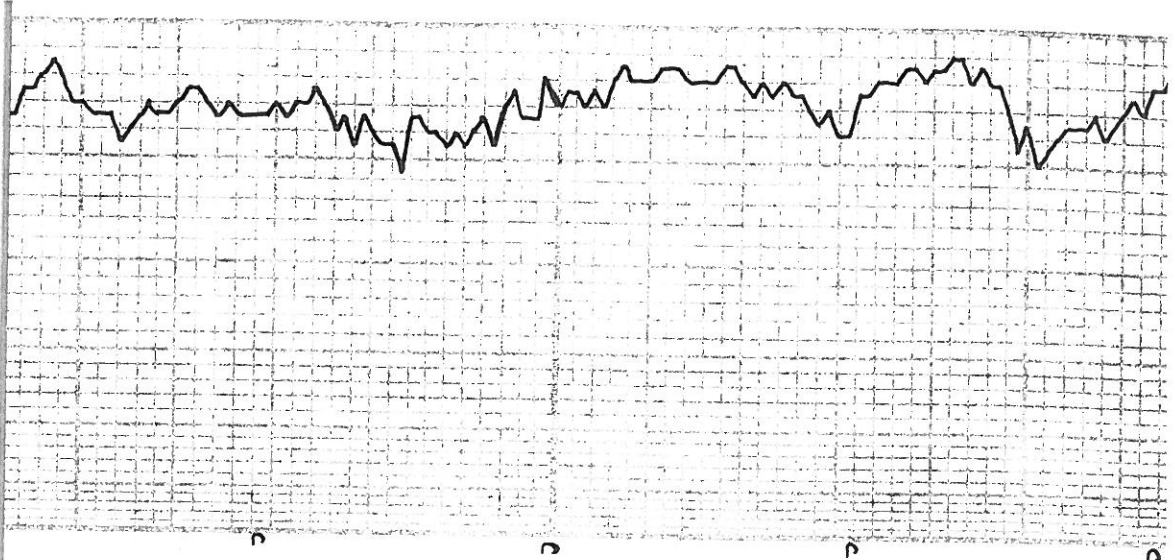
LS, WHT, VF XTLN, HRD, SL FOSS  
CHTY, NO APP, NS

LS, BUFF, VF XTLN, V DMS, V HRD,  
NO FOSS, TITE, NS

LS, LT GRY, WHT, VF XTLN,  
DMS, HRD, FEW SCT FOSS,  
TITE, NS

LS, WHT, V XTLN, HRD, G SCT  
XTLN, NS





4200

NUM. NS	DESCRIPTION
15	LS, AA, TAN
15	LS, LT GRAY, VEXTLN, DNS, HRD, TITE, NS
15	LS, CRW, EXT LN, HRD, SCT V F PYR PLS W, NS
15	LS, WHT, EXT LN, SOFT, CHKY GPR, NS
15	SH, BLK
15	LS, BOEF, EXT LN, SL CHKY V FEW FOSS, SL DNS, M HRD, NS
15	LS, AA, GRN/GRY, SL DTY
15	SH, GRY
15	CHT, WHT, CHINA WHT, CLR, DPA @
15	LS, TAN, BOEF, EXT LN, SOFT, CHKY, CL T, NS

CHESTNUT CREEK

LS, TAN, BRN, GRN, S → M HRD,  
V FOSS, SCT OOL, F CMT'D FOSS  
Pp, NS, SL CHLKY IMPRTS

LS, CRM, BUFF, F XTLN, OOL,  
OOL, W CMT'D OOLS, Pp, NS

A. A.

SH. BLK

LS, TAN, BUFF, GRN, VF XTLN,  
DNS, HRD, T. TEL. NS

LS, CRM, F XTLN, SOFT, F  
XTLN P, NS

LS, CRM, WHT, VF XTLN, M HRD,  
DNS, SCT FOSS, NO APP, NS

LS, GRN, A. A. NS

LS, WHT, VF XTLN, DNS, HRD,

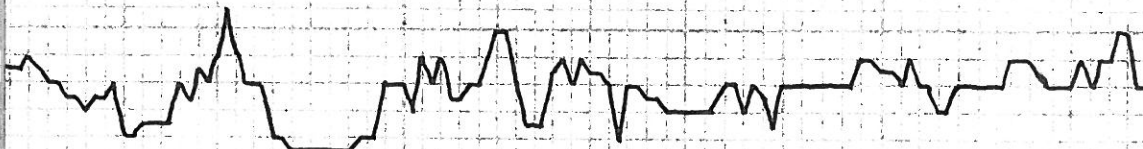
7:AM 5.16.12  
DRLG 04280'

MUD CHECK

VIS 50 WT 90  
CHLOR 6,500 LCM 4  
FILTR 8.8

4300

STARK  
4311 -1140



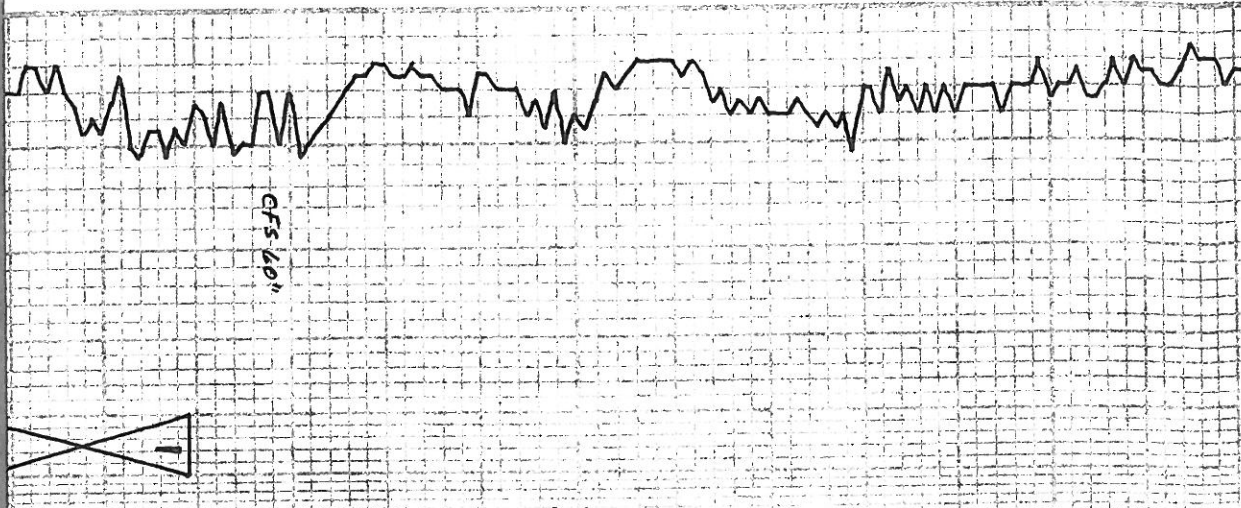
C

-J

C

C

C



LS, WHT, V XTLN, 13 RTTL,  
V G XTLN Ø, MS

LS, TAN, V F XTLN, HRD, SCT  
Pcs CHLKY, Foss, MS

LS, AA.

SS, LG CLR GRNS, FROSTED,  
UNCONSOL, SUBRAD, MS

LS, BRN, F XTLN, M XTLN W/W,  
SOFT, 'MEALY', FEW Foss,  
? Ø, MS

LS, TAN, F XTLN, V SOFT CHLKY,  
SCT BRN SS STRINGS, V FSS,  
FRIABLE, LG Ø, MS  
SLT STN, V SNBY, BRN/W SORT  
V F GRNS, SL FRIABLE, LG Ø  
MS

LS TAN, F XTLN

LS, BUFE, F XTLN, LG BRN XTLN  
W/W, POSTNG, PP XTLN Ø,  
FLT BRN FOD W/ BRK, CHLK  
FLDR PPO SPTS, V SL SHD  
GAS  
AA: CRS XTLN, G XTLN Ø

MARMATON  
H488-1317

4500

4400

WISP  
OPOR

DST #1 4491-4514  
IF: BOB3" 151: 1/2"  
FF: BOB4" FSI: NR  
RBC: 248' MGW YTR 0  
465' MCGW 90%W  
900' CW  
116° 39,000 CHLR  
FP: 236-545, 548-815  
SIP: 1063-1059  
HP: 2457-2092

FS 60"

c DEV 1 1/4

TRASHY SMPLS

LS, GRAY, DK GRAY, FXTLN, HRD,  
DNS, SCT FOSS, NO APP, NS

LS, CRM, BUFF, VFXTLN, VHRD,  
DNS, SCT FOSS, NO APP, NS

LS, TAN, A.A.

CORAL, WHY

LS, GRAY, BRN, DK MINS W/A,  
FXTLN, HRD, V FEW FOSS,  
TITE, NS

SH, GRAY, DK GRAY, BLK

LS, BRN, FXTLN, LG XTLN W/A,  
DNS, V HRD, TITE, FOSS, NS

LS, TAN, FXTLN, M LG XTLN W/A,  
DNS, SOFT, BRITL, SL FOSS,  
NO APP, NS, WET

SH, GRAY, HRD

LS, GRAY, TAN, VFXTLN, V DNS,  
V HRD, NO FOSS, TITE, NS

SH, BLK

LS, TAN, VFXTLN, M HRD,  
ABUN FOSS RPTD, NS, WET

PANNEE  
4586 - 1415

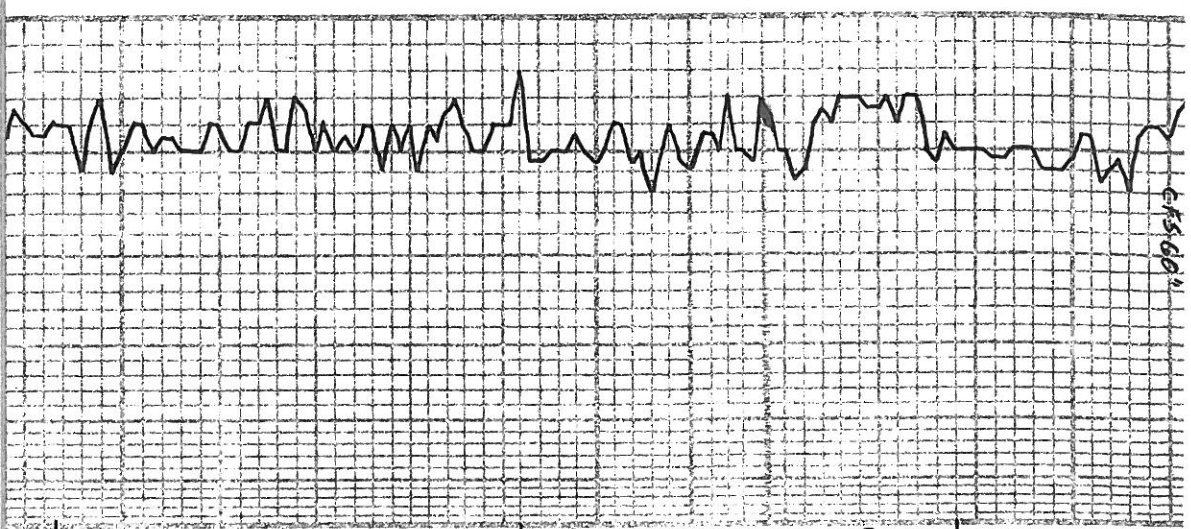
4600

MYRICK  
4619 - 1448

FT. SCOTT  
4633 - 1462

FS 60"

7:AM 5.17.12  
DST #1 @ 4514'  
MUD CHECK  
VIS S3 WT 9.2  
CHLOR 5,700 LCM 4  
FILT 8.8



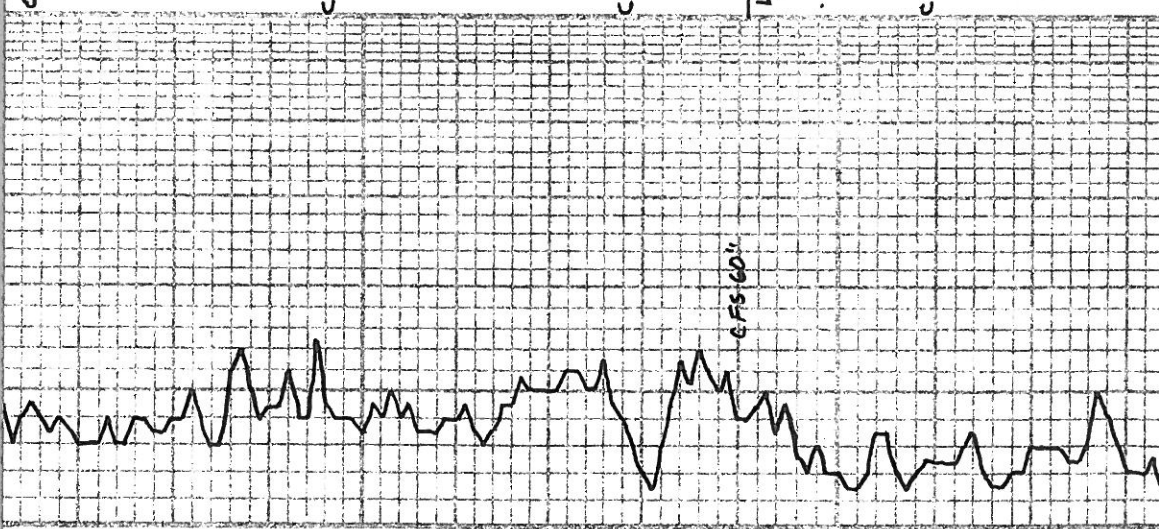
CHEROKEE  
 4762-1491  
 LS, GRY, VF XTLW, DNS, V HRD,  
 TITE, NS

4700  
 JOHNSON  
 4708-1537  
 SH, BLK  
 SS, WHT, PESC CLR GRAS, PLS  
 W CMT'D, F SORT, F G O, NS  
 CHT, WHT

ATOKA  
 4757-1586  
 LS, TAN, CRM, VF XTLW, V HRD,  
 V DNS, SCT FOSS, TITE, NS

LS, TAN, BRN, F XTLW, HRD,  
 V FOSS, VARI SIZE FOSS,  
 TITE, NS

7:11 AM 5.18.12  
 DRLG @ 4654'  
 MUD CHECK  
 VIS 48 WT 9.0  
 CHLDR 6,000 LCM 3  
 FILT 8.8

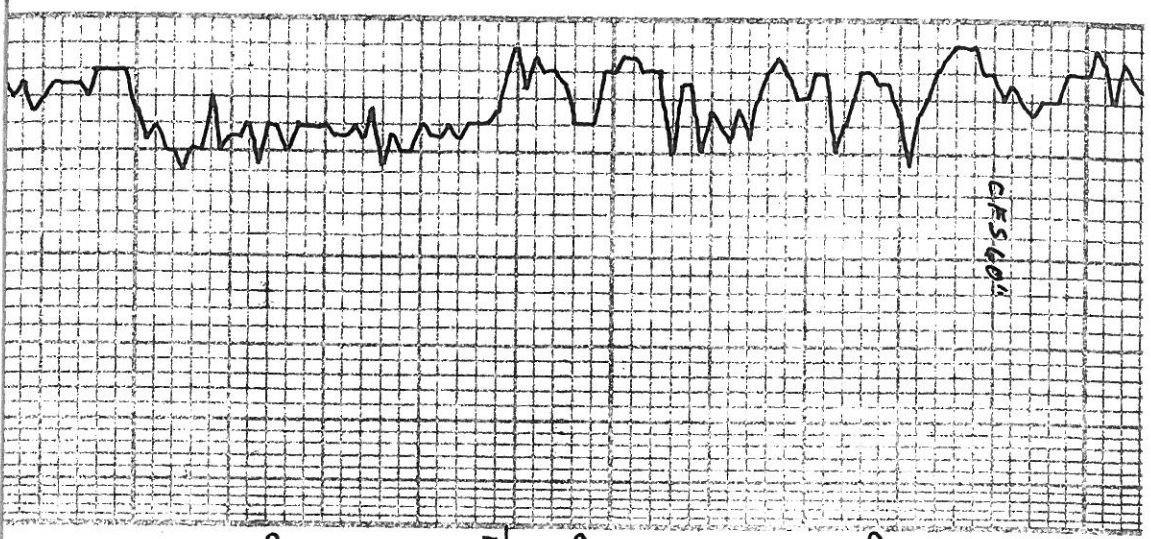


LS, TAN, WHT, GRY, VF XTLN, DNS, HRD, BR TL, SCT VARI SIZE FOSS, W CMT'D FOSS, TITE NS	LS, WHT, BLK, V F OSS	LS, WHT, BLK, BLK CARB, S → M HRD, CRUMBLY, NO FO, NO DR	LS, TAN, F XTLN, A B ON S ML FOSS, V HRD, DNS, TITE, NS	LS, TAN, F XTLN, F GR LR TXT V HRD, V DNS, NO FOSS, TITE NS	LS, TAN, CHLKY, GR LR, SOFT, NS CRUMBLY, G XTLN, NS	LS, WHT, F → M XTLN, V DNS, V HRD, V W CMT'D TITE, NS	SH, BLK, V HRD	SH, GRY, LT GRY	SH, GRN, GRY
AA	AA	AA	AA	AA	AA	AA	AA	AA	AA

4800

D. BROW  
4841-1670

EFS-60



4900

CF540A

MISS  
4961-1790

5000

SH, BLK, GRN  
SS, WH, MED GRNS, ANG, W SORT  
FCMTD, F 6 Ø, NS  
SH, BLK, PYR

SH, BLK, GRN

SS, WH, SML ANG GRNS,  
LT GRN CMT PCMTD,  
FRIABLE, G Ø, NS

SH, GR, BLK

SS, WH, F 4M GRNS, SORT,  
SOFT, WH CMT, F Ø, ANG, NS

LS, GRM, BUFE, F XTLW, HRD,  
FEW FOS, NS

SS, CLR GRNS, WH CMT, F 4M  
GRNS, SORT, ANG, SOFT, F Ø,  
NS

LS, TAN, BUFE, F XTLW, V HR,  
FEW PIS BRIL, NO APP Ø,  
FOS, NS

A.A.

LS, GRM, VFXTLW, DUS, HRB,  
SCT PEACH CRT, NO Ø, NS

A.A.

LS, GRM, GRWY, SOFT, F 6 Ø,  
SN DY, NS

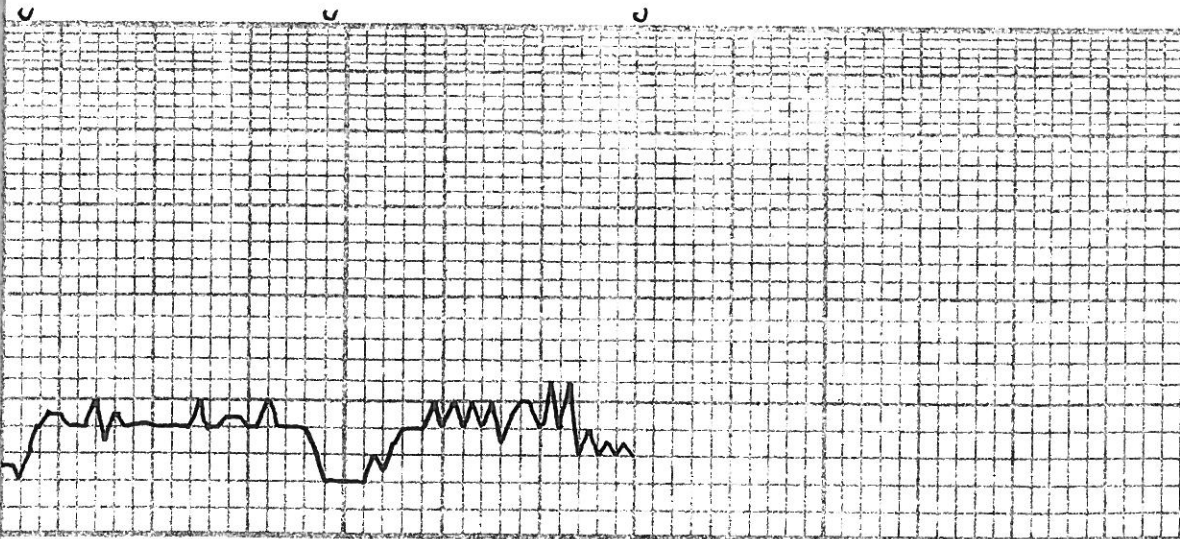
7:AM 5.19.12  
DRLG Ø 4974  
MUD CHECK  
VIS 65 WT 9.2  
CHLOR 6,000 LCM 3  
FLT 8.8

LS, GRV, GRM, EXTAN, V.DMS,  
VHRD, FOSS, TITE, MS

LS TAN, UEXTAN, HRD, DMS,  
SCT FOSS + FRAGS, NO APPS

SH, GRV, GRM - FLOOD

SH FLOOD

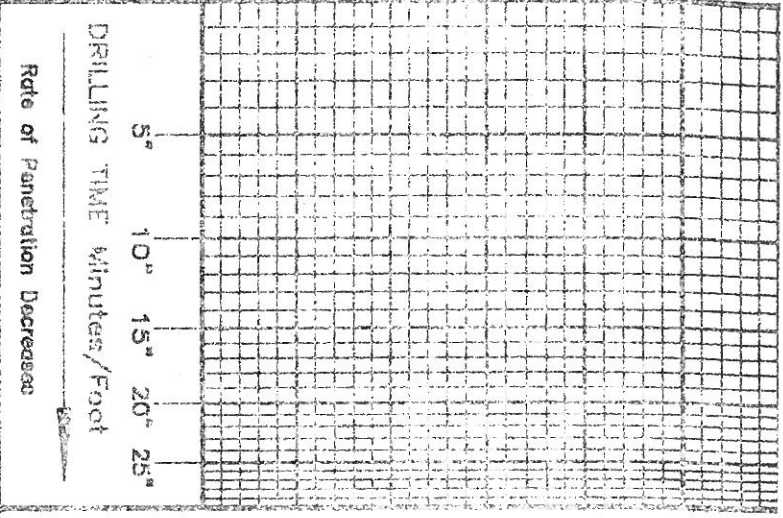


c

c

c





DEPTH \_\_\_\_\_

LITHOLOGY \_\_\_\_\_

SAMPLE DESCRIPTIONS \_\_\_\_\_

OIL SHOWS \_\_\_\_\_

REMARKS \_\_\_\_\_

CONTRACTOR \_\_\_\_\_  
 LEASE \_\_\_\_\_  
 ELEVATION \_\_\_\_\_

LOCATION \_\_\_\_\_  
 SEC. \_\_\_\_\_ TWP \_\_\_\_\_  
 COUNTY \_\_\_\_\_ STATE \_\_\_\_\_  
 R/O \_\_\_\_\_ R/G \_\_\_\_\_