



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1197431  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

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

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical 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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1197431

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	HENRY TRUST 6
Doc ID	1197431

All Electric Logs Run

COMPENSATED DENSITY / NEUTRON LOG
DUAL INDUCTION LOG
MICRO LOG
SONIC LOG

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	HENRY TRUST 6
Doc ID	1197431

Tops

Name	Top	Datum
HEEBNER	1168	-9
LANSING	1280	-103
BASE KANSAS CITY	1622	-445
CHEROKEE	1828	-651
MISSISSIPPI	2506	-1329
KINDERHOOK	2572	-1395
HUNTON	2820	-1643
MAG	3290	-2113
VIOLA	3361	-2184



**CONSOLIDATED**  
Oil Well Services, LLC

265455

TICKET NUMBER 45198

LOCATION Eureka

FOREMAN Steve Neal

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**

CEMENT APT 15-085-20089

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-18-14	4979	Henry Trust #6	35	6S	13E	Jackson
CUSTOMER <u>L.D. Drilling Inc</u>						
MAILING ADDRESS <u>7 SW 26th Ave</u>						
CITY <u>Great Bend</u>		STATE <u>KS</u>	ZIP CODE <u>67530</u>			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			<u>485</u>	<u>Alan</u>		
			<u>667</u>	<u>Merle</u>		

JOB TYPE Surface 0 HOLE SIZE 12 1/4 HOLE DEPTH 357' CASING SIZE & WEIGHT 8 5/8 23'  
 CASING DEPTH 337 GL DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 21 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting. Rig up to 8 5/8 casing w/ Head + manifold. Break circulation w/ 5 bbls freshwater. Mix 200 sks Class A cement w/ 3% CaCl2 2% Gel + 1/4" Flo-seal perisk. Shut down. Release Plug. Displace w/ 21 bbls freshwater. Shut well in. Good cement returns to surface. 15 bbl slurry to pit. Job complete rig down

Thank You

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	870.00	870.00 ✓
5406	100	MILEAGE	4.20	420.00 ✓
11045	200 sks	Class A cement	15.70	3140.00 ✓
1102	565 #	CaCl2 3%	.78	440.70 ✓
1118B	375 #	Gel 2%	.22	82.50 ✓
1157	50 #	Flo Seal 1/4" perisk	2.47	123.50 ✓
5407A	9.4 Ton	Ten Mileage Bulk Truck	1.41	1325.40 ✓
4433	1	8 5/8 wooden Plug	84.00	84.00 ✓
			Subtotal	6486.10
			SALES TAX 7.55%	293.23 ✓
			ESTIMATED TOTAL	6778.33 ✓

completed

Rev: 3737

AUTHORIZATION Dan Cy TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET

1718-09975 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <u>1-29-14</u> DISTRICT _____		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.: _____								
CUSTOMER <u>L.D. Drlg Inc</u>		LEASE <u>Henry Trust #6</u>		WELL NO. _____						
ADDRESS _____		COUNTY <u>Jackson</u>		STATE <u>K5</u>						
CITY _____ STATE _____		SERVICE CREW <u>Pratt K5 / 1718</u>								
AUTHORIZED BY _____		JOB TYPE: <u>5 1/2 L.S. New Well CNW</u>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<u>19899-19843</u>	<u>1</u>						<u>1-28-14</u>			<u>6:00</u>
<u>19960-21010</u>	<u>7</u>						<u>1-28-14</u>			<u>1:00</u>
							<u>1-29-14</u>			<u>11:30</u>
							<u>1-29-14</u>			<u>12:10</u>
							<u>1-29-14</u>			<u>1:30</u>
										<u>2:65</u>

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: L.D. Davis  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CC105	AA-2		175 sk		2975 -
CC102	Celloflake		44 lb		162 80
CC105	Defoamer C-41P		42 lb		168 -
CC111	Salt		866 lb		433 -
CC115	C-44		165 lb		849 75
CC129	FLA-322		165 lb		1237 50
CC201	Gilsonite		875 lb		586 25
CF607	L.D. Plug & Baffle	5 1/2	1 eq		400 -
CF1751	Float shoe	5 1/2	1 eq		360 -
CF1651	Turbolizers	5 1/2	8 eq		880 -
CF1901	Cmt Basket	5 1/2	1 eq		290 -
CC154	Super Flush		500 gal		1225 -
E100	Pickup mileage	1 eq	173 mi		743 75
E101	Truck mileage	2 eq	350 mi		2450 -
E113	Bulk Delv Charge		1444 tm		2310 -
CE204	Pump Charge	1 eq	3001-4000		2160 -
CE240	Blending + Mixing Charge		173 sk		245 -
CE309	Plug Container Charge	5 1/2	1 eq		250 -
5003	Service Supervisor Charge	1 eq			175 -

SUB TOTAL 169 13,425 79

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE <u>Scotty</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>L.D. Davis By D. Scott</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO. \_\_\_\_\_

Customer <i>L.D. Drlg Inc</i>	Lease No.	Date <i>1-29-14</i>	
Lease <i>Henry Trust</i>	Well # <i>6</i>	Field Order # <i>09975</i>	Station <i>Pratt KS</i>
Type Job <i>5 1/2 h.s. 11 W CWW</i>	Formation	County <i>Jackson</i>	State <i>KS</i>
Legal Description <i>35-6-13</i>			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size <i>2 3/8</i>	Shots/Ft <i>175 sk</i>		Acid <i>AA-2</i>		RATE	PRESS <i>2000</i>	ISIP <i>1100</i>
Depth <i>3937</i>	Depth <i>PBTD</i>	From	To	Pre Pad <i>1.43 15ppg</i>		Max		5 Min.
Volume <i>81.8</i>	Volume	From	To	Pad		Min		10 Min.
Max Press <i>2000</i>	Max Press	From	To	Frac		Avg		15 Min.
Well Connection <i>3 1/2</i>	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative <i>L.D. Davis</i>	Station Manager <i>K Gordley</i>	Treater <i>Scotty</i>
--	-------------------------------------	--------------------------

Service Units <i>01e Blc</i>	<i>19879</i>	<i>19960</i>						
Driver Names <i>Scott</i>	<i>Marveta</i>	<i>Hamby</i>						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>2:00</i>	<i>128-14</i>				<i>On Loc w/ Taks Safety mtg Cent 1-3-5-7-13-15-17 Basket @ 2706 Csg on Bottom Drop Ball + Circ 1 1/2</i>
<i>11:30</i>	<i>400</i>		<i>5</i>	<i>5</i>	<i>H2O spacer</i>
<i>11:31</i>	<i>400</i>		<i>12</i>	<i>5</i>	<i>st Super flush</i>
<i>11:35</i>	<i>400</i>		<i>5</i>	<i>5</i>	<i>H2O spacer</i>
<i>11:40</i>	<i>450</i>		<i>44.5</i>	<i>6</i>	<i>Mix Cmt @ 15.0ppg 175 sk</i>
<i>11:47</i>	<i>0</i>				<i>Stop w/ Tub 1/2 full Cmt</i>
<i>11:48</i>	<i>0</i>		<i>10</i>	<i>6</i>	<i>Wash Pump + line Release Plug</i>
<i>11:50</i>	<i>100</i>			<i>6</i>	<i>st Disp w/ H2O</i>
					<i>Lift Cmt 65 rbl out</i>
				<i>2</i>	<i>slow Rate Down</i>
<i>12:10</i>	<i>1250</i>		<i>81.8</i>	<i>0</i>	<i>Plug Down psi Test Csg</i>
					<i>Good Circ Thru Job</i>
					<i>Job Complete</i>
					<i>Thank you</i>
					<i>Scotty a crew</i>
					<i>PBTD 3437</i>

# DIAMOND TESTING

## General Information Report

### General Information

**Company Name** L.D. DRILLING, INC.  
**Contact** L.D. DAVIS  
**Well Name** HENRY TRUST #6  
**Unique Well ID** DST #1, HUNTON, 2815-2835  
**Surface Location** SEC 35-6S-13W, JACKSON CO. KS.  
**Field** SOLDIER  
**Well Type** Vertical  
**Test Type** CONVENTIONAL  
**Formation** DST #1, HUNTON, 2815-2835  
**Well Fluid Type** 01 Oil

**Representative** TIM VENTERS  
**Well Operator** L.D. DRILLING, INC.  
**Report Date** 2014/01/25  
**Prepared By** TIM VENTERS  
**Qualified By** GEORGE PETERSON

**Start Test Date** 2014/01/24  
**Final Test Date** 2014/01/25

**Start Test Time** 16:31:00  
**Final Test Time** 03:43:00

### Test Recovery:

RECOVERED: 70' CO, 100% OIL, GRAVITY: 16  
60' MCO, 68% OIL, 32% MUD  
320' HW&MCO, 46% OIL, 24% WATER, 30% MUD  
60' SW&MCO, 34% OIL, 15% WATER, 3% MUD  
30' SO&MCW, 3% OIL, 80% WATER, 1% MUD  
540' TOTAL FLUID

TOOL SAMPLE: 5% OIL, 91% WATER, 4% MUD

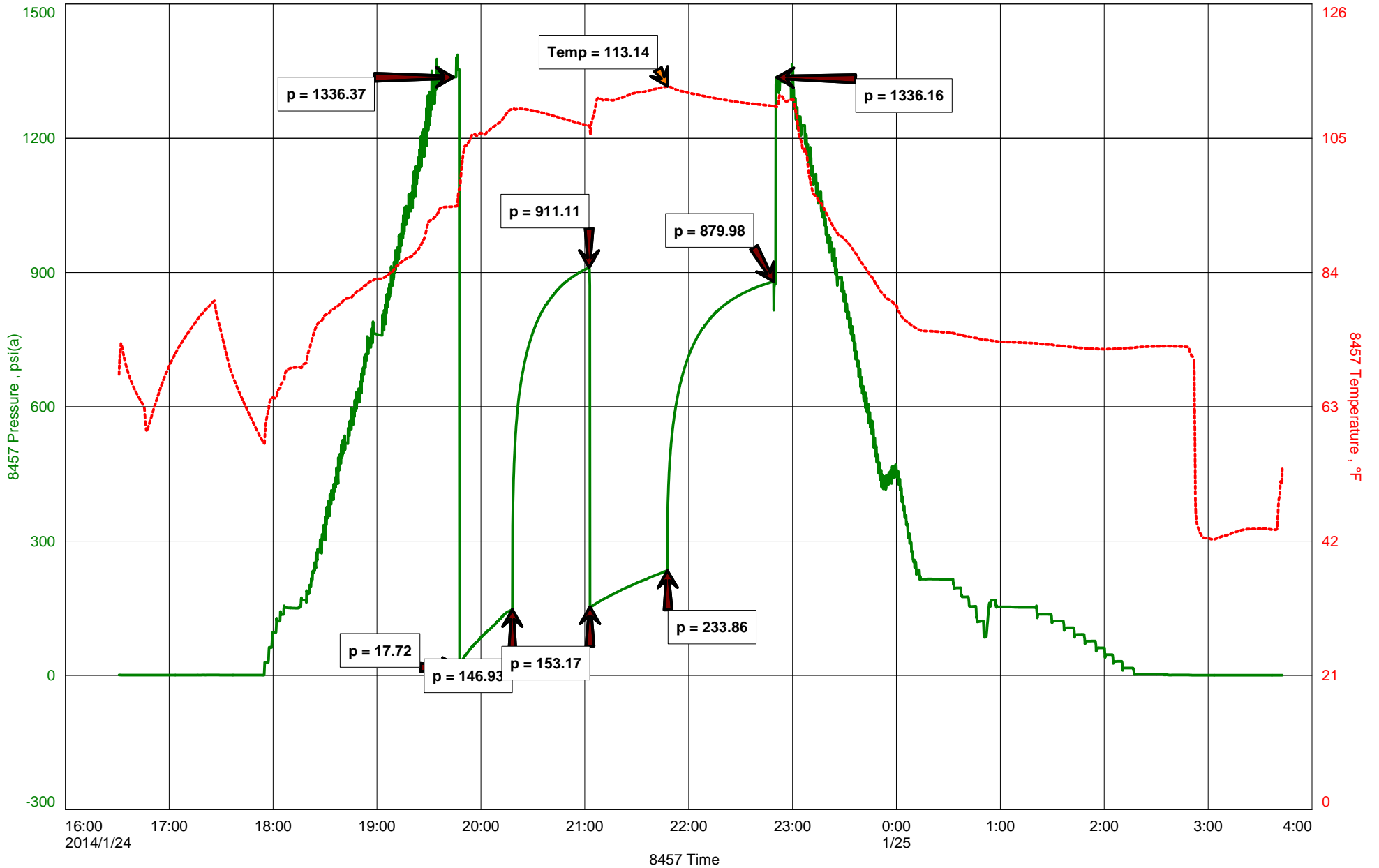
CHLORIDES: 12,000 ppm  
PH: 7.0  
RW: .59 @ 87 deg.



L.D. DRILLING, INC.  
DST #1, HUNTON, 2815-2835  
Start Test Date: 2014/01/24  
Final Test Date: 2014/01/25

HENRY TRUST #6  
Formation: DST #1, HUNTON, 2815-2835  
Pool: SOLDIER  
Job Number: T307

# HENRY TRUST #6





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: HENRYTRUST6DST1

TIME ON: 16:31 1-24-14  
TIME OFF: 03:43 1-25-14

Company L.D. DRILLING, INC. Lease & Well No. HENRY TRUST #6  
Contractor SUMMIT DRILLING COMPANY RIG #1 Charge to L.D. DRILLING, INC.  
Elevation 1179 KB Formation HUNTON Effective Pay \_\_\_\_\_ Ft. Ticket No. T307  
Date 1-24-14 Sec. 35 Twp. \_\_\_\_\_ 6 S Range \_\_\_\_\_ 13 W County JACKSON State KANSAS  
Test Approved By GEORGE PETERSON Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 2815 ft. to 2835 ft. Total Depth 2835 ft.  
Packer Depth 2810 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 2815 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 2796 ft. Recorder Number 8457 Cap. 10,000 P.S.I.  
Bottom Recorder Depth (Outside) 2832 ft. Recorder Number 11029 Cap. 5,025 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 37 Drill Collar Length 315 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 1,200 P.P.M. Drill Pipe Length 2467 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 20 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

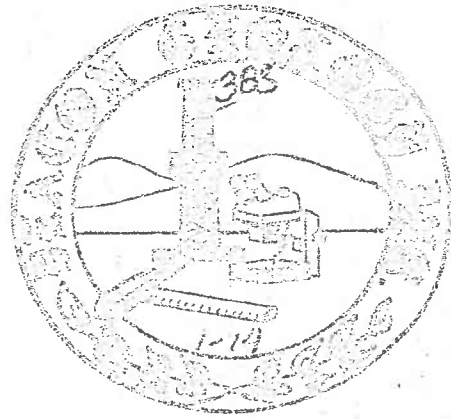
Blow: 1st Open: WEAK 1 INCH BLOW, BUILDING, REACHING BOB 11 MIN. (NO BB)  
2nd Open: WEAK SURFACE BLOW, BUILDING, REACHING BOB 13 MIN. (NO BB)

Recovered <u>70</u> ft. of <u>CO, 100% OIL, GRAVITY: 16</u>	
Recovered <u>60</u> ft. of <u>MCO, 68% OIL, 32% MUD</u>	
Recovered <u>320</u> ft. of <u>HW&amp;MCO, 46% OIL, 24% WATER, 30% MUD</u>	
Recovered <u>60</u> ft. of <u>SW&amp;MCO, 84% OIL, 15% WATER, 1% MUD</u>	
Recovered <u>30</u> ft. of <u>SO&amp;MCW, 8% OIL, 80% WATER, 12% MUD</u>	Price Job
Recovered <u>540</u> ft. of <u>TOTAL FLUID</u> CHLORIDES: <u>12,000</u> ppm	Other Charges
Remarks: _____ PH: <u>7.0</u>	Insurance
_____ RW: <u>.59 @ 87 deg.</u>	
TOOL SAMPLE: <u>5% OIL, 91% WATER, 4% MUD</u>	Total

Time Set Packer(s) 7:47 PM A.M. P.M. Time Started Off Bottom 10:47 PM A.M. P.M. Maximum Temperature 113 deg.

Initial Hydrostatic Pressure..... (A) 1336 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 18 P.S.I. to (C) 147 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 911 P.S.I.  
Final Flow Period..... Minutes 45 (E) 153 P.S.I. to (F) 237 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 880 P.S.I.  
Final Hydrostatic Pressure..... (H) 1336 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



George E. Peterson c/o.g.  
consulting geologist

6735 18th Street, Rd  
Topeka, Kansas 66614  
(785) 272-4585

GEOLOGIST'S LOG

COMPANY: L.D. DRILLING INC  
 WELL NAME: HENRY TRUST #16  
 LOCATION: 710' FNL 915' FWL (C N<sup>1</sup>/<sub>2</sub>, SE, NW, NW)  
 SEC. 35 T. 6 S; R. 13. E  
 COUNTY: JACKSON STATE: KANSAS  
 ELEVATION: 1168.786<sup>e</sup> 1177 KB  
 API #: 15-085-20049-00-00  
 FIELD: SOLDIER  
 CONTRACTOR: SUMMIT DRILLING LLC  
 GEOLOGIST: George E. Peterson  
 SPUD DATE: 1/17/14 COMP DATE: 1/28/14  
 SAMPLES SAVED FROM: \_\_\_\_\_ TO: \_\_\_\_\_  
 SAMPLES EXAMINED FROM: 1250 TO: TD  
 RTD: 3470 LTD: 3433  
 CORES: N/A

OPEN HOLE LOGS: CDL/CNL MEL/SOU DIL

SURFACE CASING SET: 349' PROD. CASING SET: \_\_\_\_\_  
 GEOLOGICAL SUPERVISION FROM: Surf TO: TD  
 COMMENTS: HUNTON opens new zone to produce  
Viola similar to Henry #4 excellent shows

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTR. LOG TOP	DATUM	REF. WELLS			
				A	B	C	D
Heebner		1168	+112	+115	+113	+110	+112
Lansing	1282	1280	-101	-101	-97	-97	-100
B/KC	1624	1622	-443	-441	-440	-439	-442
Cherokee	1831	1828	-649	-648	-646	-643	-650
Miss	2504	2506	-1327	-1307	-1320	-1353	-1338
Kindershook	2576	2572	-1323	-1420	-1468	-1423	-1407
Hunton	2819	2820	-1641	-1639	-1644	-1639	-1644
Mag	3292	3290	-2177	-2123	-2108	-2113	-2128
Viola	3358	3361	-2182	-2195	-2174	-2181	-2200

REFERENCE WELL FOR STRUCTURE:

- A HENRY TRUST 1
- B HENRY TRUST 3
- C HENRY TRUST 4
- D HENRY TRUST 5

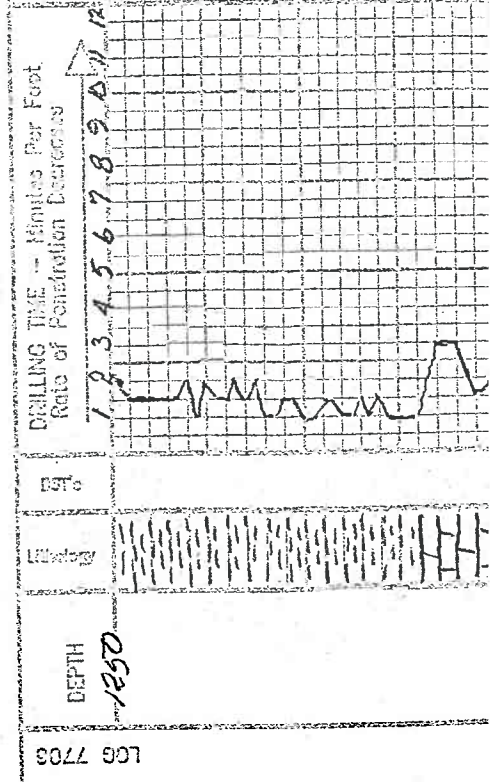
DRILL STEM TESTS

NO.	INT.	IFP	ISIP	SPF	PCIP	RECOVERY
1	2815-2835	30m	911	45	886	70' 100% oil 60' MCO 68% oil 320' HW 700m 46% oil 60' SW MCO 84% oil 30' Sotmco 8% oil

LEGEND

- Dolomite
- Chert
- Ool. Lime
- Limestone
- Carb sh
- Shale
- Sandstone
- Salt
- Anhydrite

SCALE " = 100'



MEMORIS	SAMPLE DESCRIPTIONS
RPM: 60 WOB: 4K	Sandy gray blk
	aa
	aa
	Ls 18-20 ft + 1m

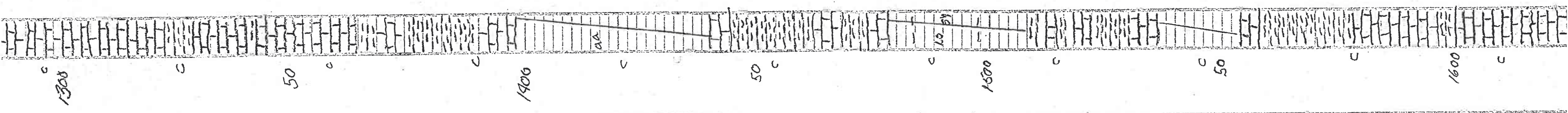
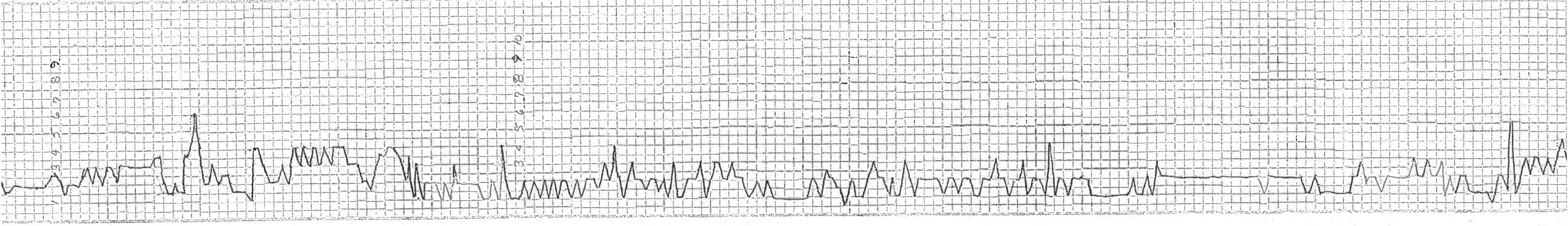
Log Top Lows  
1280 E101

RPM 55  
WOB 22K

RPM 60  
WOB 18K

SN 3/4"

Ls aa
Ls aa
Ls aa
shale blk
Ls aa
aa
aa
aa
Ls aa and sh dk gry blk
sh
Ls lt gry to soft
Ls
Ls
Ls
Ls
sh gry dk gry blk gry
aa
Ls 5/5
aa
aa
aa
aa
aa
sh dk gry
Ls lt to med tn - gry
Ls aa
Ls aa
sh blk med
sh aa
Ls lt to med tm - gry also clear
aa
Ls aa
aa
aa



1627 (-143)

Lo sht.
Sh dk grey cl ss - sandy sh
aa
aa
Ls aa
Sh
Sh
Ls mbrn
Ls & Sh
Ls & Sh
Ls & Sh
Sh an
Ls
Ls & Sh
Ls
Ls
Ls
Ls & Sh
Sh & Ls
Ls hard
Sh blk sandy
Sh grey sandy
scat coal seams
Ls Tn
Sh of coal
aa
aa
aa
Ls sand

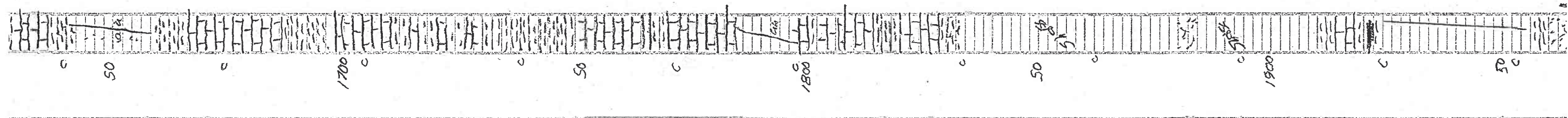
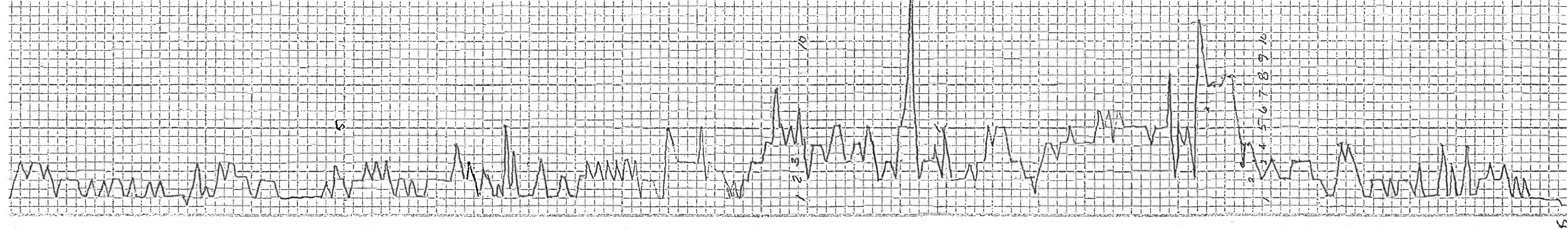
Rough

Rough

Top charcoal  
Log top  
1828 (-649)

Sh & Ls

Water line freeze





SS v f sand 0.2

SH

U1531 WT 2.6

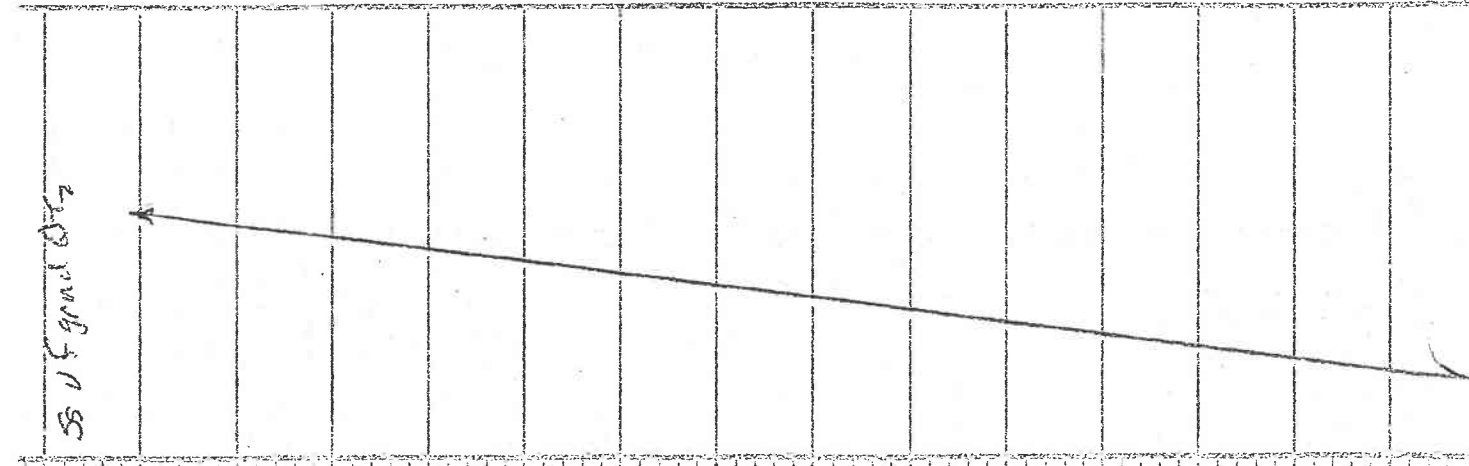
U1537  
WT 2.1  
Lcm 2

U1535  
WT 2.1  
Lcm 1.5

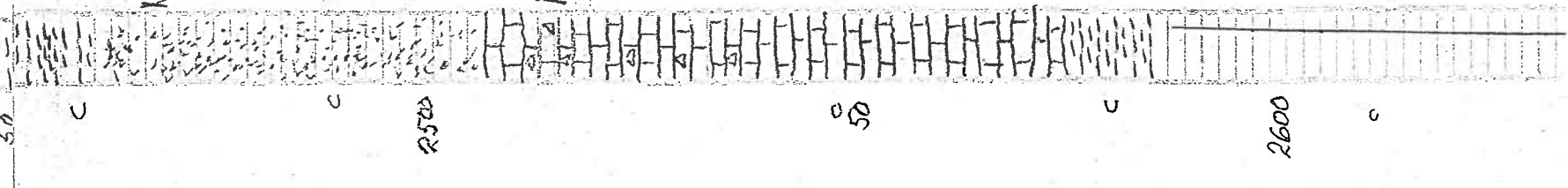
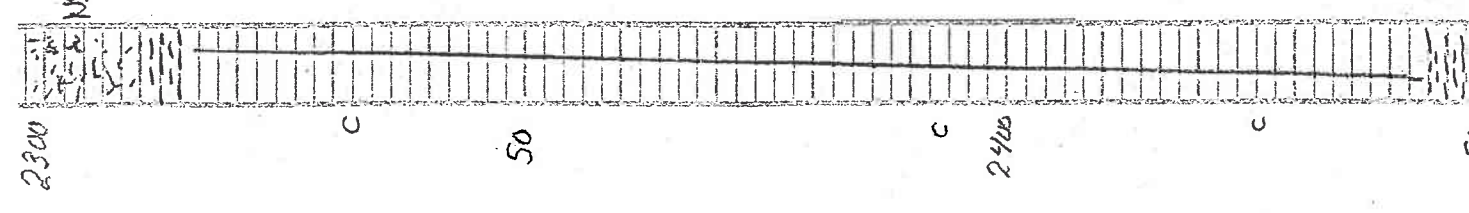
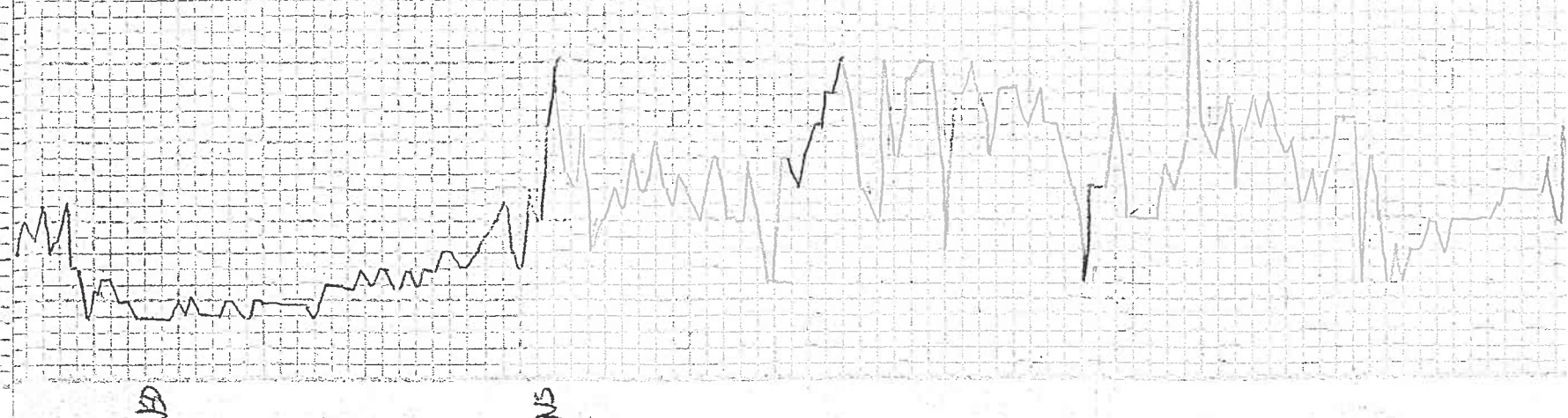
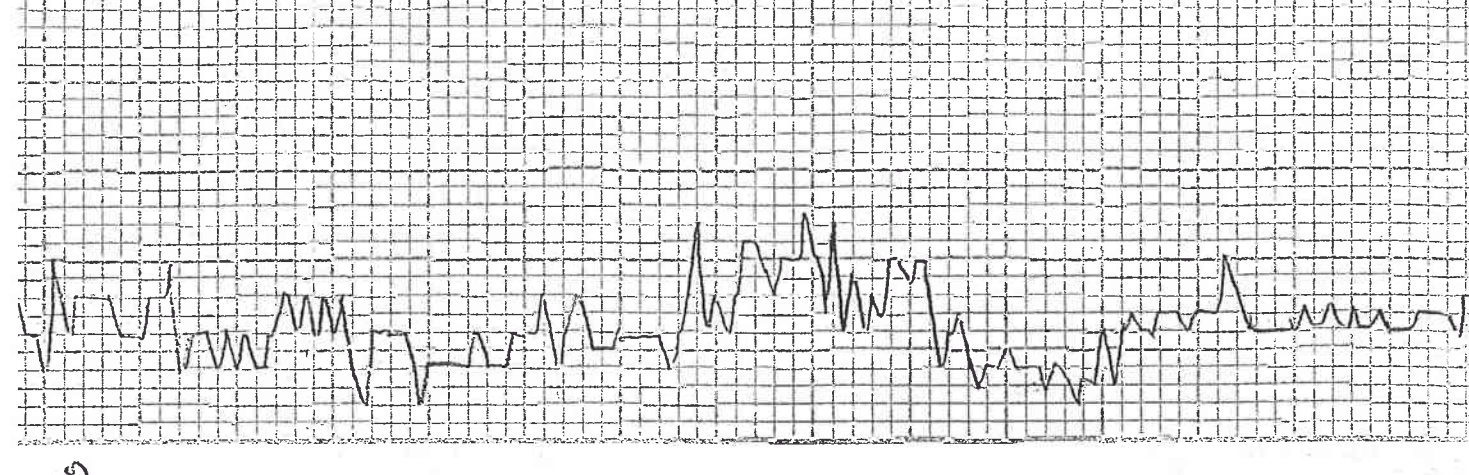
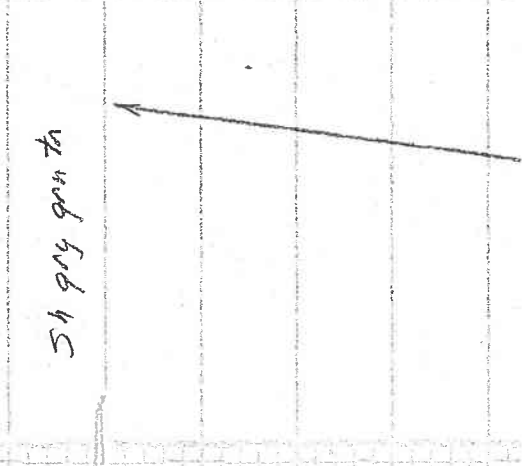
Miss (w log top  
R 508 (1327)  
Rough

Log Top 1.4  
2572 (1393)

U1542 2.0  
Lcm 2



Sh gray sand  
 Ss mc sand pyrite  
 cl - wht qtz  
 aa  
 P-gas  
 aa  
 aa  
 aa  
 Limestone cl wt - thert  
 aa  
 aa  
 aa  
 aa  
 aa  
 aa



2300

C

50

C

2400

C

50

C

2500

50

C

2600

C

V1536 WT 9.1  
LCM 1 1/2

V1534  
LCM 4  
WT 9.2

London Log Top  
2820 (-1641)

CFS 30-15"  
DST #1

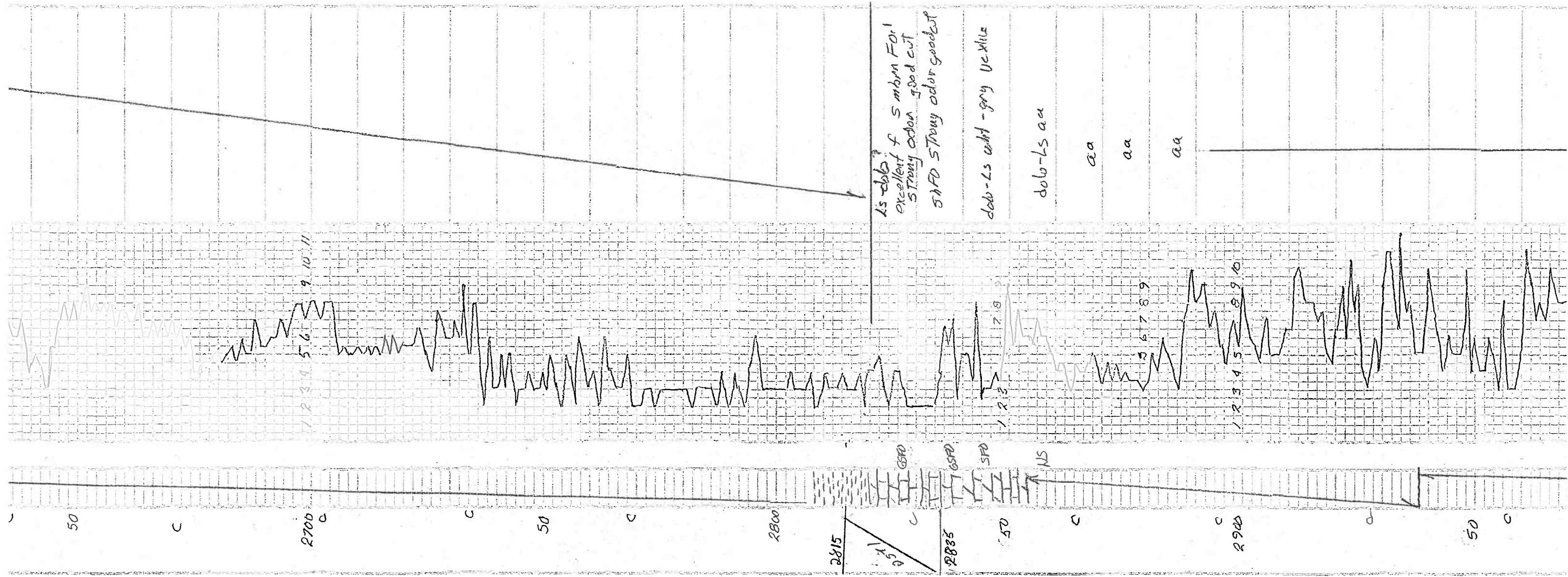
V1540 WT 9.2  
LCM 1 1/2

V1560  
WT 9.2  
LCM 4

ROUGH

V1555

WT 9.3





WT 9.3  
LCM 41.5

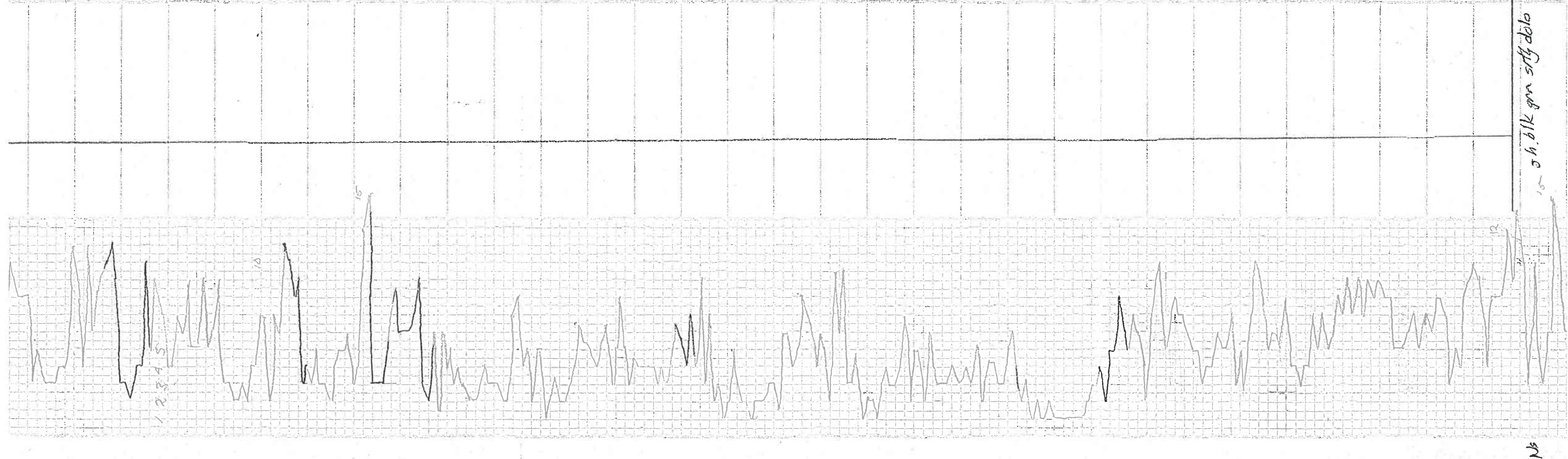
VIS 58 LCM 41.4  
WT 9.2

VIS 52 LCM 6  
WT 9.1

VIS 62 LCM 6.4  
WT 9.2

VIS 41  
WT 9.2  
LCM 4.4

Log Top Ma  
3290 (-217)



3000  
3050  
3100  
3150  
3200  
3250

5 h. blk gm sily dolo

Ns

