



KANSAS CORPORATION COMMISSION 1162995
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- 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: _____



1162995

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 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: Yes No

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

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

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	---	--

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	HENRY TRUST 5
Doc ID	1162995

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 5
Doc ID	1162995

Tops

Name	Top	Datum
Heebner	1168	+112
Lansing	1280	-100
Base Kansas City	1627	-442
Cherokee	1830	-654
Mississippi Lime	2518	-1338
Kinderhook	2587	-1407
Hunton	2824	-1644
Maqucketa	3308	-2123
Viola	3386	-2200



CONSOLIDATED
Oil Well Services, LLC

ENTERED

TICKET NUMBER 43435
LOCATION Eureka KS
FOREMAN Shannon Feck

PO Box 884, Chanute, KS 66720
620-431-9215 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

API # 15-085-2008k

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-8-13	4979	Henry Trust #5	35	6S	13E	Jackson
CUSTOMER L.D Drilling, Inc			Summit Drig CO			
MAILING ADDRESS 7 SW 26 th AVE			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Great Bend			445	Dave G		
STATE KS			515	Colby N		
ZIP CODE 67530						

JOB TYPE S/P HOLE SIZE 12 1/4" HOLE DEPTH 395' CASING SIZE & WEIGHT 8 5/8"
CASING DEPTH 393.27 K.B. DRILL PIPE _____ TUBING _____ OTHER _____
SLURRY WEIGHT 14.5-15# SLURRY VOL _____ WATER gal/sk 6.0 CEMENT LEFT in CASING 20'
DISPLACEMENT 23.7 Bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE 5BPM

REMARKS: Rig up to 8 5/8" casing, Break circulation w/ 5 Bbl H2O. mixed 190 SKS Class "A" cement w/ 3% calcium, 2% gel + 1/4# Flocele/sk @ 14.5-15#/gal. Displace w/ 23.7 Bbl H2O + shut casing in. Good circulation @ all times, 12 Bbl Slurry to pit Job complete.

"Thanks Shannon & crew"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405	1	PUMP CHARGE	870.00	870.00 ✓
5406	100	MILEAGE	4.20	420.00 ✓
11045	190 SKS	Class "A" cement	15.70	2983.00 ✓
1102	535 #	Calcium @ 3%	.78	417.30 ✓
1118B	360 #	Gel @ 2%	.22	79.20 ✓
1107	47 #	Flocele @ 1/4#/sk	2.47	116.09 ✓
5407A	8.93 Tons	Ton mileage bulk Truck	1.41	1259.13 ✓
4/32	1	8 5/8" wooden plug	84.00	84.00 ✓
			Sub Total	6228.72
			7.55% SALES TAX	277.81 ✓
			ESTIMATED TOTAL	6506.53 ✓

Ravin 3737

Shannon Feck

AUTHORIZATION Shannon Feck 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.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 08782 A

DATE _____ TICKET NO. _____

DATE OF JOB 9-17-13	DISTRICT PRATT, KS	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 LD & ROLLING		LEASE HENRY TRUST		WELL NO. 5			
ADDRESS		COUNTY JACKSON		STATE KS			
CITY		STATE		SERVICE CREW KG, MCGRAW, DIME			
AUTHORIZED BY		JOB TYPE: CNW - LOWCSTRAPC					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE AM PM TIME
19967		70959					9-16 AM 1500
		19918	1			ARRIVED AT JOB	9-16 AM 2200
77686	1					START OPERATION	9-17 AM 0530
19905						FINISH OPERATION	9-17 AM 0630
						RELEASED	9-17 AM 0730
						MILES FROM STATION TO WELL	250

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: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CF100	COMMON CEMENT	SK	200		3200.00
CC105	C-41P DEFOMER	LB	47		188.00
CE111	START	LB	1621		810.50
CC112	CEMENT FRACTION REDUCER	LB	141		846.00
CC113	C-4P5000	LB	940		705.00
CC201	C-ELSONITE	LB	1000		670.00
CF251	5/8 CURE SHOES	EA	1		250.00
CF103	5/2 TOP RUBBER PUG	EA	1		105.00
CF1451	5/2 WFL BUSHING PLOTS	EA	1		215.00
CF1651	5/2 TURBOFLYER	EA	6		660.00
CF1901	5/2 TUBULET	EA	1		290.00
CC154	SUPERFLUSH	gal	500		1225.00
E100	TRUCK RIDE	HR	175		743.75
E101	TRUCK RIDE	HR	350		1450.00
E113	TRUCK DELIVERY	HR	1645		2632.00
CE204	DEPTH CHANGERS 3001-4000'	EA	1		2160.00
CG240	BLENDING CEMENTS	SK	200		280.00
CE504	PUNG CONTRACTOR	EA	1		250.00
S003	SEWER SUPPLIES	EA	1		175.00

SUB TOTAL **13391.44**

CHEMICAL / ACID DATA:	

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

SERVICE REPRESENTATIVE **L. GARDNER** THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: **L.D. DAVIS By L. Gardner**

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

BASIC

energy services, L.P.

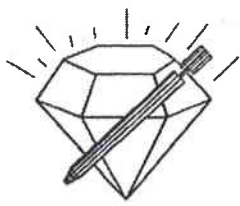
TREATMENT REPORT

Customer LD DRILLING	Lease No.	Date
Lease HENRY TRUST	Well # 5	9-17-13
Field Order # 8782	Station PRATT, KS	Casing 5 1/2 Depth 3458
Type Job CNN - LONG STROVE	Formation TD-3460	County JACKSON State KS
		Legal Description 35-6-1

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth 3458	Depth	From	To	Pre Pad	Max			5 Min.
Volume	Volume	From	To	Pad	Min			10 Min.
Max Press	Max Press	From	To	Frac	Avg			15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 3415	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative LD	Station Manager MEVEN	Treater BONDLEY
Service Units 19907	97686-19905	70959-19918
Driver Names MG	MCGRAW	DACE

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0300					ON LOCATION
					RUN 3446' 5 1/2" CSG - 825'
					GUIDE SHOE, INSERT IN 1ST COLUMN
					CENT-1-4'-7-10-13-16
					BASED ON BOTTOM 17 AT 2797'
					TRAC BOTTOM w/ 16' LS, DROP BAR
					BREAK CIRCULATION
					SET 5 1/2" AT 3458'
0530	400		5	6	PUMP 5 bbl H2O
	400		12	6	PUMP 12 bbl SUPERFLUSH
	400		5	6	PUMP 5 bbl H2O
	300		48	6	PUMP 200 SK COMMON CEMENTS
					18% SACS, 5% CYPSON, 5 1/2" GILSONITE, 3/4% CFR, 1/4% DEFON
					STOP - WASH CEMENT - DROP ALL
	0		0	6	START ASP.
	300		52	6	LEFT CEMENT
	800		75	4	SLOW RATE DID NOT
0630	1000		83.4	4	PLUG DOWN - HOLD
					START ON WITH 1000#
					NO RAT OR MOUSE HOLE ON GUMMET
0730					JOB COMPLETE - MEVEN



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC/HenryTrust5DST1

Company L. D. Drilling, Inc. Lease & Well No. Henry Trust No. 5
Elevation 1170 KB Formation Hunton Effective Pay _____ Ft. Ticket No. J3157
Date 9-12-13 Sec. 35 Twp. 6S Range 13E County Jackson State Kansas
Test Approved By George Peterson Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 2,790 ft. to 2,835 ft. Total Depth 2,835 ft.
Packer Depth 2,785 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 2,790 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,793 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 2,832 ft. Recorder Number 11073 Cap. 4,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 300 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 50 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.5 Water Loss 8.0 cc. Drill Pipe Length 2,464 ft I.D. 3 in.
Chlorides 1,000 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 2 Anchor Length 45 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 3 1/2-XH in.

Blow: 1st Open: Weak blow. Died in 10 mins. No blow back during shut-in.
2nd Open: No blow. No blow back during shut-in.

Recovered 65 ft. of oil specked mud = .319800 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks _____

Time Set Packer(s) 2:50 P.M. Time Started off Bottom 4:50 P.M. Maximum Temperature 111°
Initial Hydrostatic Pressure.....(A) 1407 P.S.I.
Initial Flow Period.....Minutes 30 (B) 44 P.S.I. to (C) 52 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 894 P.S.I.
Final Flow Period.....Minutes 30 (E) 54 P.S.I. to (F) 68 P.S.I.
Final Closed In Period.....Minutes 30 (G) 846 P.S.I.
Final Hydrostatic Pressure.....(H) 1396 P.S.I.

GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: GEORGE PETERSON

Phone: Fax: e-mail:

Well Information:

Name: HENRY TRUST #5

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S35/5S/13W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: GEORGE PETERSON

Test Type: DST #1 CONVENTIONAL Job Number: D1361

Test Unit:

Start Date: 2013/09/12 Start Time: 12:00:00

End Date: 2013/09/12 End Time: 20:00:00

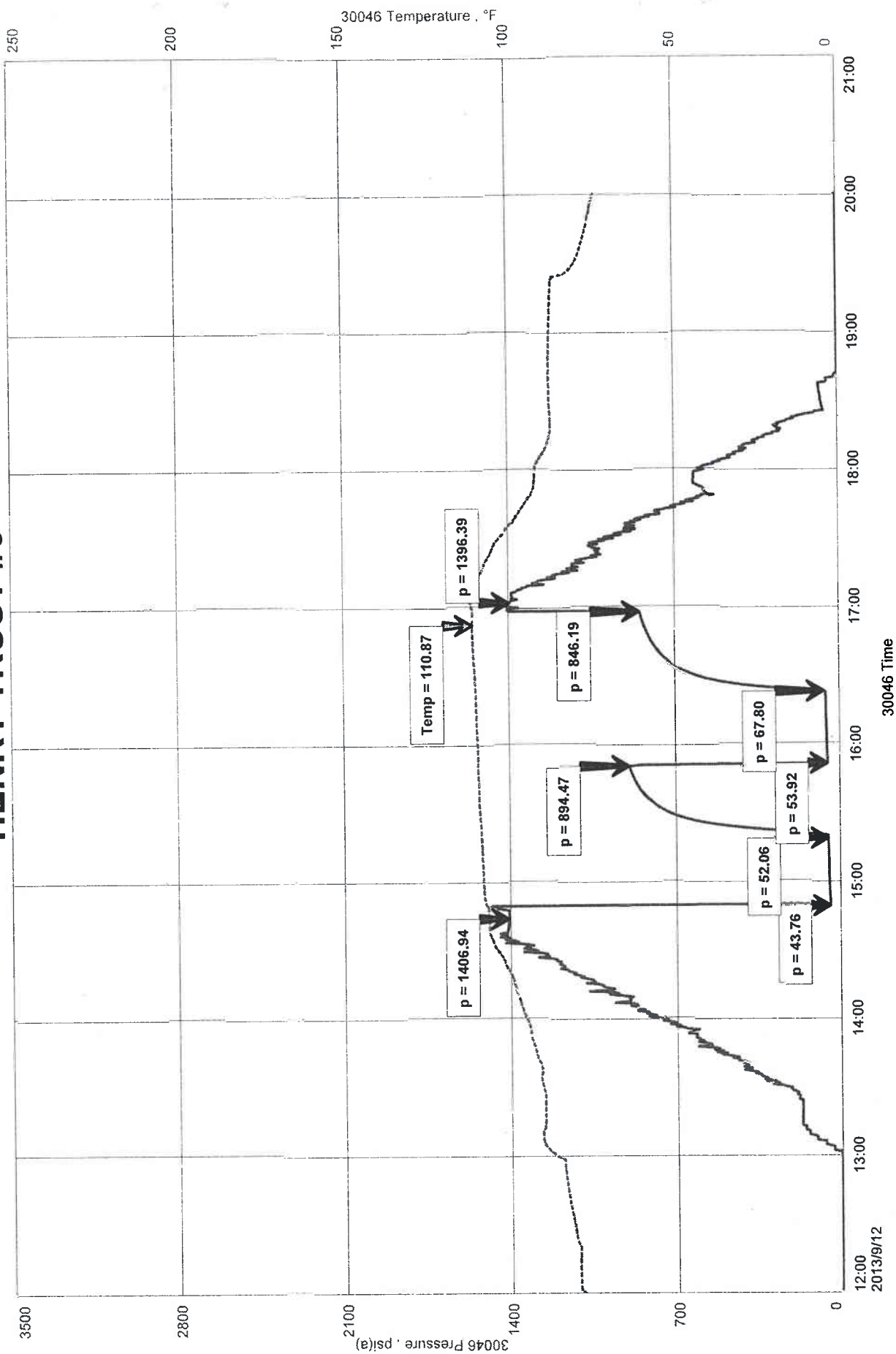
Report Date: 2013/09/12 Prepared By: JOHN RIEDL

Qualified By: GEORGE PETERSON

Remarks:

RECOVERY: 65' OIL SPECKED DRILLING MUD

HENRY TRUST #5



GENERAL INFORMATION

Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

Site Information:

Contact: GEORGE PETERSON

Phone: Fax: e-mail:

Well Information:

Name: HENRY TRUST #5

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S35/6S/16E

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: GEORGE PETERSON

Test Type: DST 32 CONVENTIONAL Job Number: D1372

Test Unit:

Start Date: 2013/09/15 Start Time: 15:00:00

End Date: 2013/09/16 End Time: 00:50:00

Report Date: 2013/09/16 Prepared By: JOHN RIEDL

Qualified By: GEORGE PETERSON

Remarks:

RECOVERY: 2500' WATER



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Henrytrust5dst2

TIME ON: 15:00 9/15/13
TIME OFF: 00:50 9/16/13

Company L D DRILLING INC Lease & Well No. HENRY TRUST #5
Contractor SUMMIT RIG #5 Charge to L D DRILLING INC
Elevation 1170 K.B Formation VIOLA Effective Pay _____ Ft. Ticket No. D1372
Date 09/15/13 Sec. 35 Twp. _____ 6 S Range _____ 13E W County JACKSON State KANSAS
Test Approved By GEORGE PETERSON Diamond Representative JOHN RIEDL

Formation Test No. 2 Interval Tested from 3362 ft. to 3392 ft. Total Depth 3392 ft.
Packer Depth 3357 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3362 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3365 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3389 ft. Recorder Number 11073 Cap. 4000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 55 Drill Collar Length 300 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 11 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3036 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #2 Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 30 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: STRONG (B.O.B 3 MINUTES) NO BB
2nd Open: STRONG (B.O.B 3 MINUTES) NO BB

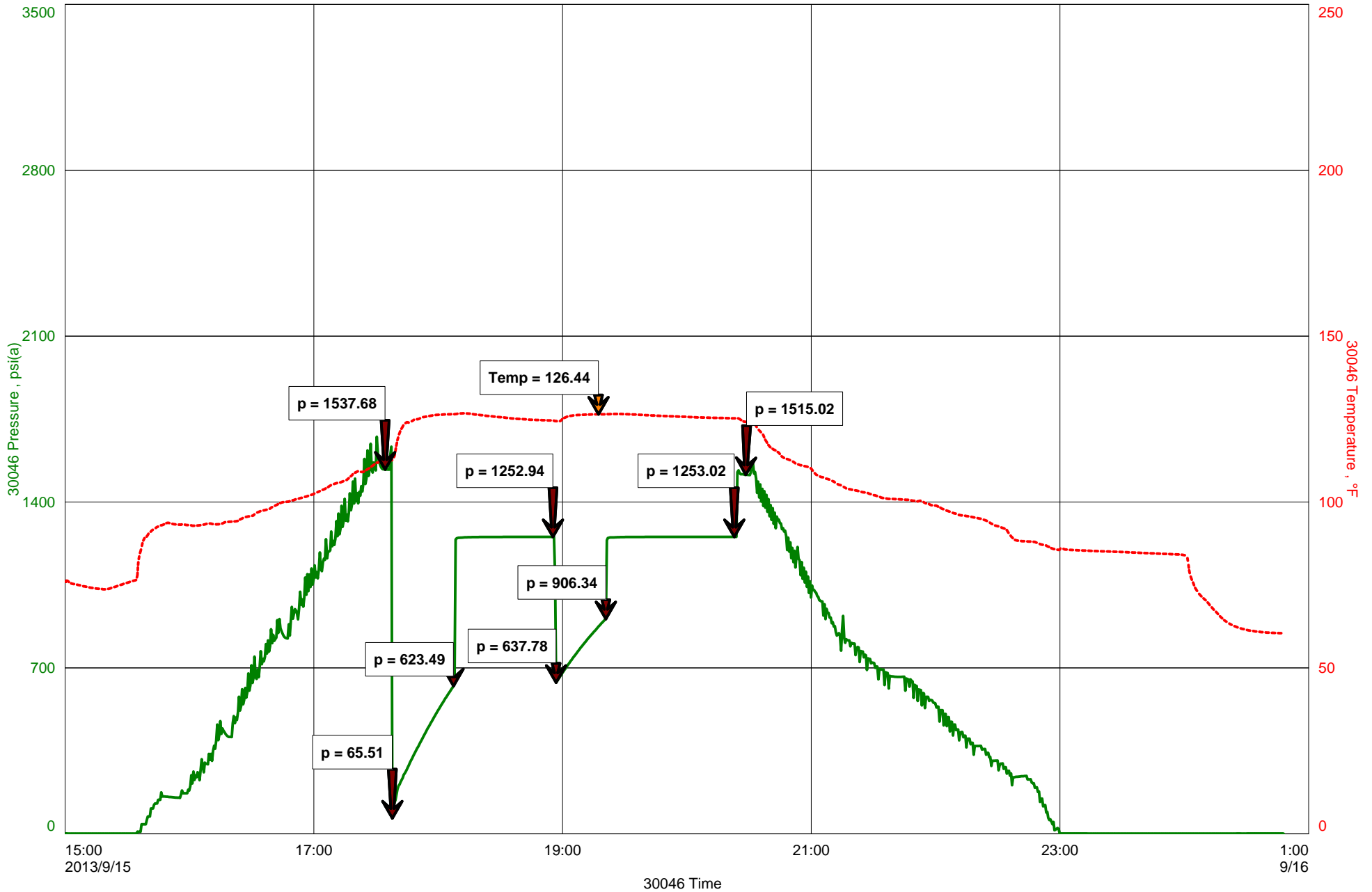
Recovered 2500 ft. of WATER
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

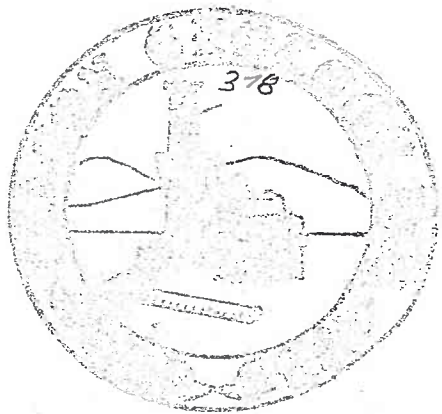
Remarks: <u>TOTAL FLUID RECOVERY:2500(2200' IN DRILLPIPE 300' IN DRILL COLLAR</u> <u>TOOL SAMPLE GRINDOUT: 100% WATER</u>	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 5:40 P.M ^{A.M.}/_{P.M.} Time Started Off Bottom 8:25 P.M ^{A.M.}/_{P.M.} Maximum Temperature 126
Initial Hydrostatic Pressure..... (A) 1538 P.S.I.
Initial Flow Period..... Minutes 30 (B) 66 P.S.I. to (C) 623 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1253 P.S.I.
Final Flow Period..... Minutes 30 (E) 638 P.S.I. to (F) 906 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1253 P.S.I.
Final Hydrostatic Pressure..... (H) 1515 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.

HENRY TRUST #5





George E. Petersen c.f.g.
consulting geologist

6739 SW Scatterlock Rd



Topeka, Kansas 66614

(785) 272-4365

GEOLOGIST'S LOG

513

COMPANY: L. D. Drilling Inc
 WELL NAME: Henry TRUST #5
 LOCATION: 1020 Fw2, 1098 Fw2 SE, NW, NW
 SEC. 35 T. 6 S. R. 13 E.
 COUNTY: JACKSON, STATE: KS
 ELEVATION: 1069.68 GL 1079.62 KB
 API #: 15-085-20086-00-00
 FIELD: Soldier
 CONTRACTOR: Summit Drilling Inc
 GEOLOGIST: George E Petersen
 SPUD DATE: 9/8/13 COMP DATE: 9/16/13
 SAMPLES SAVED FROM: 1250 TO: TD
 SAMPLES EXAMINED FROM: 1250 TO: TD
 RTD: 3460 LTD: 3459
 CORES: N/A

OPEN HOLE LOGS: CNL / CDL MEL SONIC DIL/MEL

SURFACE CASING SET: 390' 8 7/8 PROD. CASING SET: 5 1/2
 GEOLOGICAL SUPERVISION FROM: Surf TO: TD
 COMMENTS: Good oil show in samples, low resistivity on log
Water only on Viola Test
Recommended use Henton as disposal

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTR. LOG TOP	DATUM	REF. WELLS			
				A	B	C	D
Heebner		1168	+112	+115	+111	+113	+110
Lansing	1282	1280	-100	-101	-101	-97	-97
B/RC	1624	1627	-442	-441	-436	-440	-439
Cherokee	1830	1830	-650	-648	-639	-646	-643
Miss Lm	2520	2518	-1338	-1307	-1318	-1320	-1333
Kinderhook	2588	2587	-1407	-1420	-1382	-1408	-1423
Henton	2825	2824	-1644	-1637	-1626	-1649	-1639
Maquoketa	3306	3308	-2123	-2123	-2122	-2108	-2113
Viola	3378	3386	-2200	-2195	-2188	-2174	-2181

REFERENCE WELL FOR STRUCTURE:

- B Henry #1
- D Henry #2
- C Henry #3
- D Henry #4

DRILL STEM TESTS

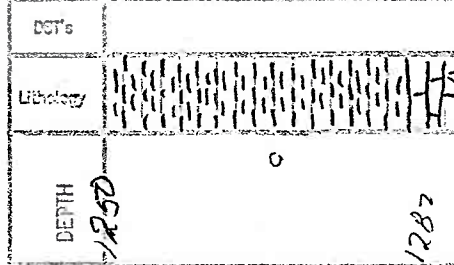
NO	INT	IPP	ISIP	FFP	FSIP	RECOVERY
1	2790-2835	30 44-52 PSC	1407	30	1397	65' oil spec mud
2	3362-3392	30	1538	30	1515	2500' WATER

LEGEND

- Dolomite
- Chert
- Oil/Lime
- Limestone
- Carb sh
- Shale
- Sandstone
- Galt
- Anhydrite

SCALE " = 100'

DRILLING TIME - Minutes Per Foot
Rate of Penetration Decreases



LOG 7705

SAMPLE DESCRIPTIONS

51 gr/gm blk

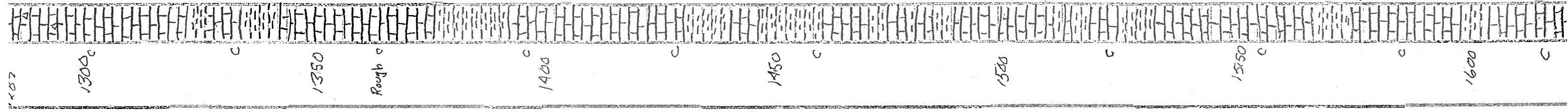
51 an

51 an

Log Top Lm's
1280 - 700

11-1-14

whchty
Ls aa
Ls aa
Ls aa
Sh gray gm blk Ls aa
aa
Ls wht-Hth v-x-luv - fine
Ls aa
Ls aa
Sh gray gm blk
Sh aa
Ls wht-v-feluv
Ls aa
Ls aa
Ls aa
Sh gray gm blk
Ls m-tu
Ls gray gm blk
Ls wht-Hth
Ls aa Sh gray blk
aa
Ls wht-Hth v-feluv
Ls aa
Ls m-gfy
Sh blk gra
Ls wht-m-tu T-coal
Ls aa
Ls aa
Ls aa Sh gray blk
Sh aa
Ls m-gfy
Ls wht v-feluv - fines
Ls Sh dk gray blk
Ls wht-Hth v-feluv calcite tabs

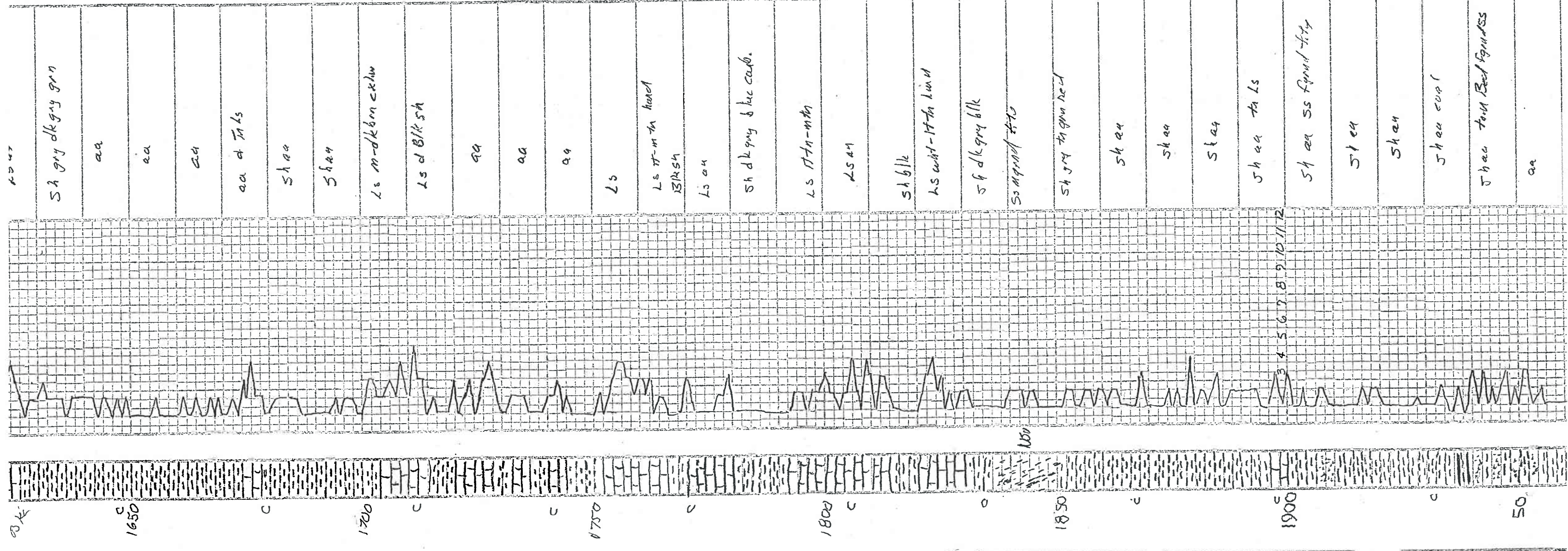


1300
1350
Rough
1400
1450
1500
1550
1600

1687 597

Log Top Chert
1830C-650

1:30 PM
9/11/13



1650

1700

1750

1800

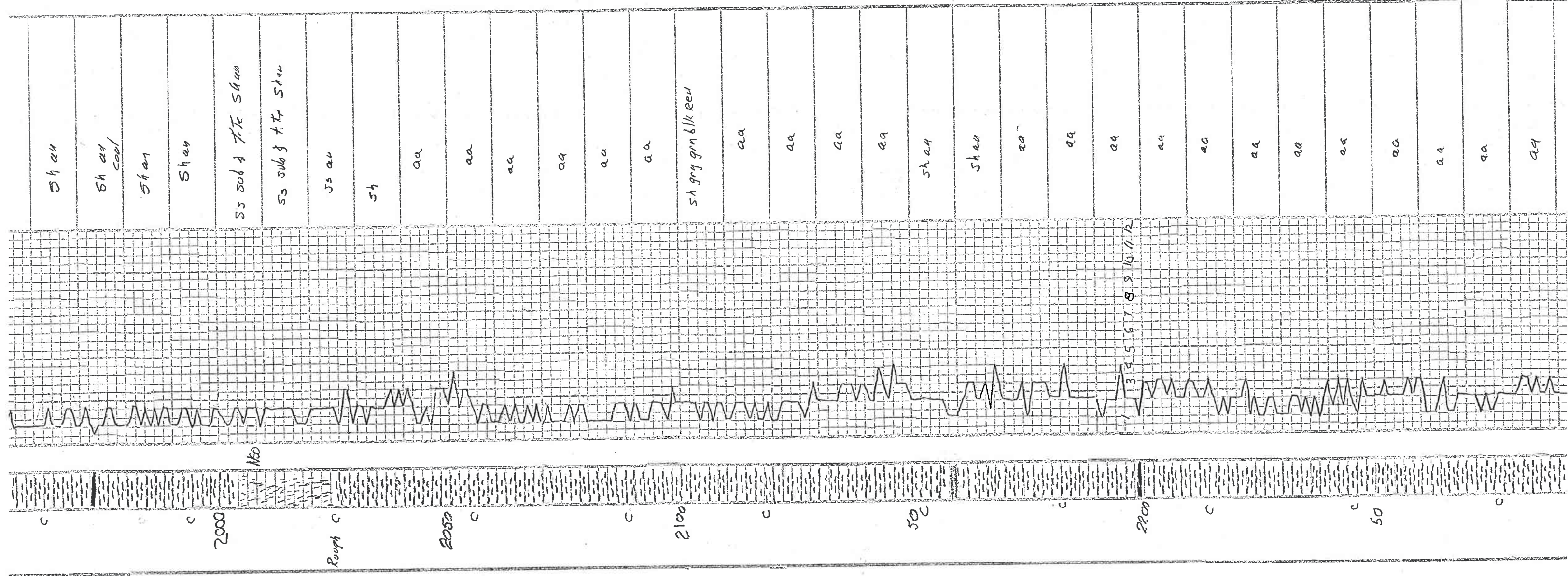
1850

1900

1950

2000

Chert



3 2 5 6 7 8 9 10 12

N50

2000

Rough

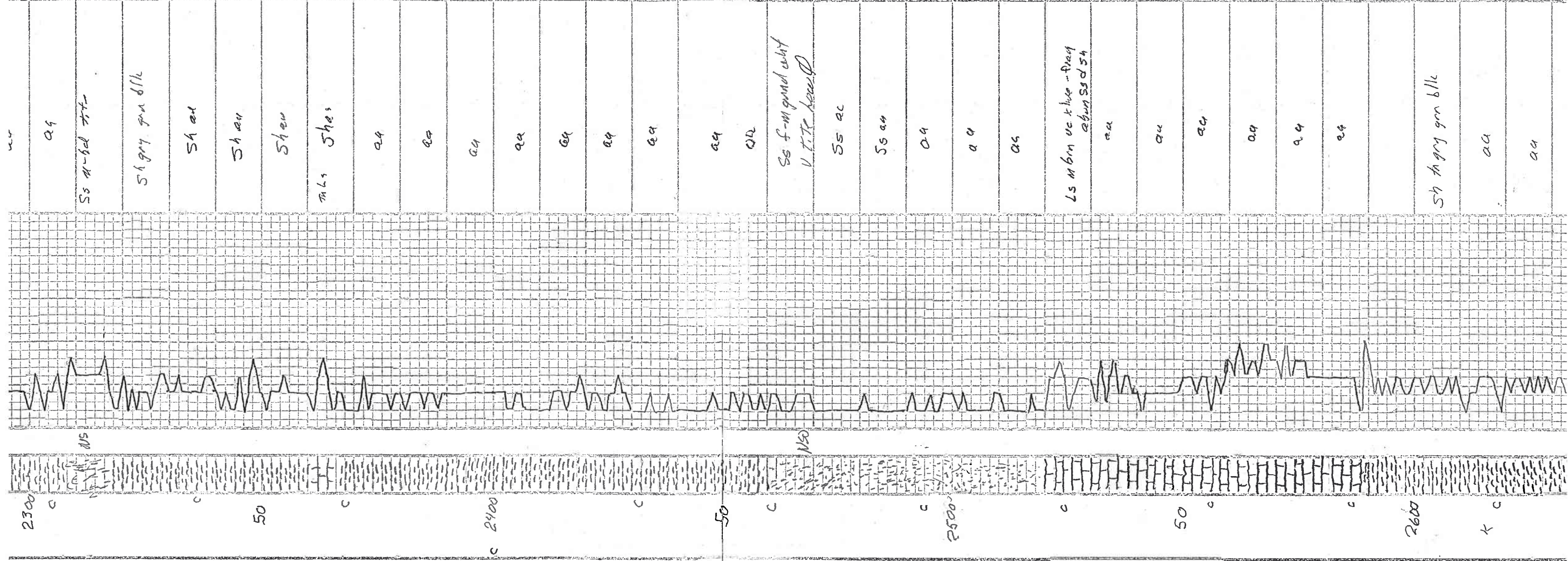
2050

2100

50

2100

50



aq

SS m-bed tuff

Sh gray gm blk

Sh ad

Sh ad

Sh ad

ms shes

aq

aq

aq

aq

aa

aa

aa

aa

aa

SS f-m grad abt
V.F.T. lower D

SS ac

SS ad

aa

aa

aa

LS m brn uc + blue - gray
abun ss d sh

aa

aa

aa

aa

aa

aa

Sh th gray gm blk

aa

aa

LCM 2nd
VIS 4B
WJ 9.1

LCM 1/2
VIS 39
WJ 9.3
MISS key top
2578 (-1338)

Log cap K12587
(-1403)
VIS 37
WJ 9.3
LCM 14

2300

50

2400

50

2500

50

2600

50

VIS 40
WT 9.3
LCM 2#

VIS 60
WT 9.3
LCM 4 1/2

VIS 49
WT 9.3
LCM 4#

11415 PM
9/11/13

CFS 15-30
DST 65' OSMUD

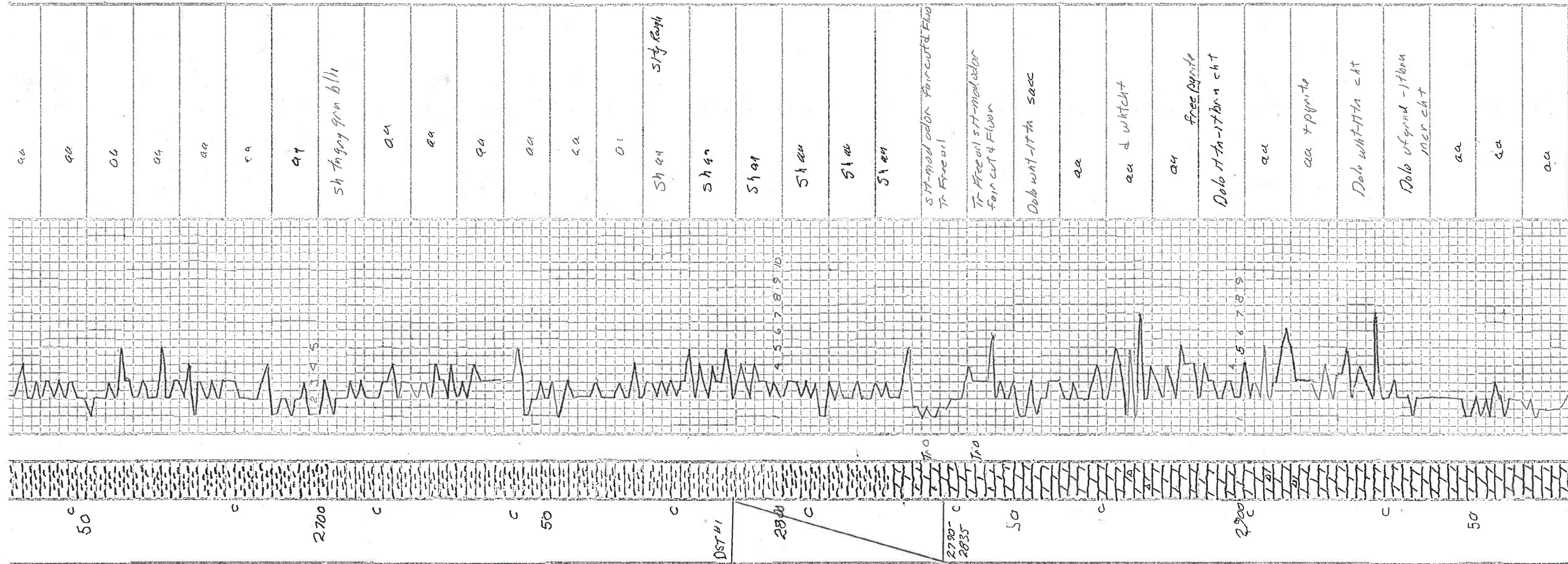
VIS 75
WT 9.4
LCM 3 1/2

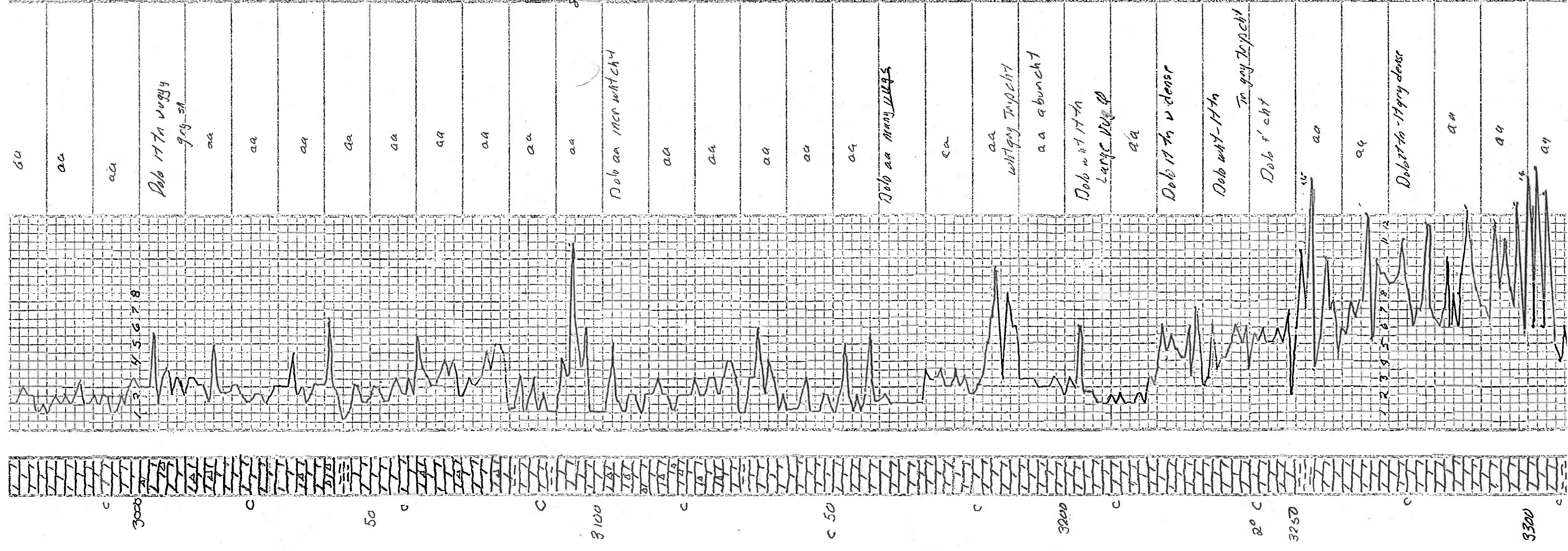
Log Top Hunter
2824C-1644)

VIS 50
WT 9.3
LCM 6#

Table
STALLED

6:45 AM

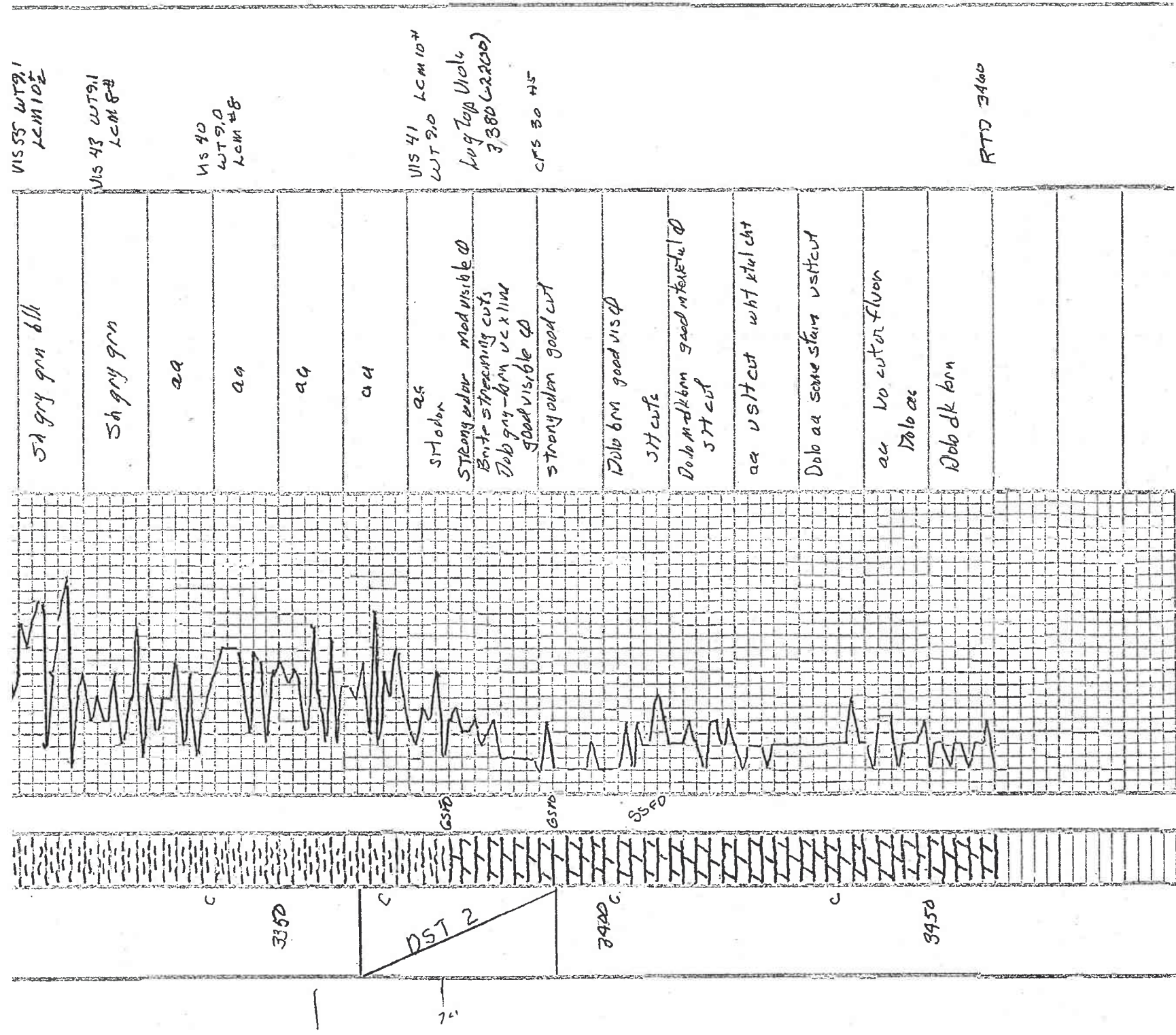




Lostek 79
 VIS 50 WT 92
 10#
 Spyllost cir 9-14-13
 VIS 50 WT 89
 12#
 Lostek 88

VIS 50 WT 90
 LEM 14

BIT 700
 VIS 98 LEM 11
 WT 91



VIS 33 WT 29.1
LCM 10.2

Vis 43 WT 29.1
LCM 8.2

Vis 40
WT 29.0
LCM 8.8

Vis 41 LCM 10.7
WT 29.0
Log Top Uvic
3380 (2200)
CPS 30 HS

RTD 3460

54 grey gm blk

54 grey gm

aa

aa

aa

aa

as
SMOOR

Strong odor mod visible @
Brite stringing cuts
Dob grey-brn v. x line
good visible @

stringy odor good cut

Dob brn good vis @

577 cuts

Dob med brn good m. texture @
577 cut

aa vst cut wht blk cut

Dob aa some stain vst cut

aa no cut or fluor

Dob aa

Dob dk brn