



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1192349
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
-----------------------------------	-----------------	---

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: _____

1192349

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
--	---

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: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	HAGER TRUST ET AL 1-11
Doc ID	1192349

All Electric Logs Run

INDUCTION
MICRO
POROSITY
SONIC
SPECTRAL



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
Phone:785-324-1041 fax:785-483-1087
Email: cementing@ruraltel.net

Date: 11/12/2013
Invoice # 7474

P.O.#:

Due Date: 12/12/2013

Division: Russell

Invoice

Contact:

Samuel Gary Jr & Associates Inc

Address/Job Location:

Samuel Gary Jr & Associates Inc

1815 11th Street

Great Bend, KS 67530

RECEIVED

NOV 18 2013

**SAMUEL GARY JR.
& ASSOCIATES, INC.**

DRLG COMP W/O LOE CG

Account	8200-138
Well/Prospect	
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Reference:

HAGER FAMILY TRUST ET AL 1-11

Description of Work:

LONG SURFACE JOB

Services / Items Included:

	Quantity	Price	Taxable
Labor		\$ 991.39	No
Common-Class A	225	\$ 3,664.29	Yes
Pump Truck Mileage-Job to Nearest Camp	52	\$ 563.44	No
Bulk Truck Mat-Material Service Charge	238	\$ 516.80	No
Calcium Chloride	8	\$ 413.96	Yes
8 5/8" Basket	1	\$ 343.09	Yes
Bulk Truck Mileage-Job to Nearest Bulk Plant	52	\$ 329.71	No
8 5/8" Centralizer	2	\$ 138.97	Yes
8 5/8" Top Rubber Plug	1	\$ 115.09	Yes
Baffle Plate Aluminum, 8 5/8"	1	\$ 97.71	Yes
Premium Gel (Bentonite)	5	\$ 88.38	Yes

Item	Quantity	Price	Taxable
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Invoice Terms:

Net 30

SubTotal: \$ 7,262.82

Discount Available ONLY if Invoice is Paid & Received
within listed terms of invoice: \$ (1,089.42)

SubTotal for Taxable Items: \$ 4,132.26

SubTotal for Non-Taxable Items: \$ 2,041.14

Total: \$ 6,173.40

Tax: \$ 285.13

6.90% Norton County Sales Tax

Amount Due: \$ 6,458.53

Applied Payments:

Balance Due: \$ 6,458.53

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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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. 7474

Date	11-12-13	Sec.	11	Twp.	5	Range	23	County	Norton	State	KS	On Location		Finish	04:45	
Lease	Hager Family Trust ETAL							Well No.	1-11							
Contractor	Discovery #2							Owner	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.							
Type Job	Surface							Charge To	Sam Gary J. & Associates							
Hole Size	12 1/4		T.D.	519			Street									
Csg.	8 5/8		Depth	518			City	State								
Tbg. Size			Depth				The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.			Shoe Joint	42.37			Cement Amount Ordered	31' CC 2' 65L 225 lbm								
Meas Line			Displace	30' 4BL			Common	225								
EQUIPMENT							Poz. Mix									
Pumptrk	15	No.	Cementer	[Signature]			Gel.	5								
Bulktrk		No.	Driver	VICK			Calcium	8								
Bulktrk	1	No.	Driver	Lennie			JOB SERVICES & REMARKS									
Remarks:	8 5/8 on bottom. Est. Circulation. Mix 250SK + Displace Plug. Cement <u>DID</u> CIRCULATE															
Rat Hole	Flowseal															
Mouse Hole	Kol-Seal															
Centralizers	Mud CLR 48															
Baskets	CFL-117 or CD110 CAF 38															
D/V or Port Collar	Sand															
	Handling 238															
	Mileage															
FLOAT EQUIPMENT							Guide Shoe	8 5/8								
	Centralizer 2															
	Baskets 1															
	AFU inserts B. fl. Plate															
	Float Shoe Rubber Plug															
	Latch Down															
	Pumptrk Charge Long Surface															
	Mileage 52															
Signature: [Signature]												Tax				
												Discount				
												Total Charge				



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone:785-324-1041 fax:785-483-1087
 Email: cementing@ruraltel.net

Date: 11/18/2013
 Invoice # 7013

P.O.#:
 Due Date: 12/18/2013
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

RECEIVED
 NOV 25 2013
 SAMUEL GARY JR.
 & ASSOCIATES, INC.

DRLG COMP W/O LOE GC

Account	8300.238
Well/Prospect	
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Reference:
 HAGER FAMILY TRUST ET AL 1-11

Description of Work:
 PROD LONG STRING

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No	Defoamer A or CAF-38	50	\$369.44	Yes
Common-Class A	225	\$ 3,562.50	Yes	Auto Fill Float Shoe, 5 1/2"	1	\$323.00	Yes
Cement Port Collar, 5 1/2"	1	\$ 2,638.89	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	52	\$320.55	No
5 1/2" Basket	5	\$ 1,815.56	Yes	Salt (Fine)	19	\$279.98	Yes
Gilsonite	1057	\$ 1,673.58	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$236.44	Yes
CFL 117	176	\$ 1,144.39	Yes	Flo Seal	56	\$118.22	Yes
5 1/2" Turbolizer	9	\$ 551.00	Yes	KCL	2	\$63.04	Yes
Pump Truck Mileage-Job to Nearest Camp	52	\$ 547.79	No				
Bulk Truck Matl-Material Service Charge	254	\$ 536.22	No				
CD-110	117	\$ 494.00	Yes				
Mud Clear	500	\$ 390.56	Yes				

Invoice Terms:

Net 30		SubTotal: \$ 16,029.01
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$ (2,404.35)
	SubTotal for Taxable Items:	\$ 11,611.51
	SubTotal for Non-Taxable Items:	\$ 2,013.15
	Total:	\$ 13,624.66
	Tax:	\$ 801.19
	Amount Due:	\$ 14,425.85
	Applied Payments:	
	Balance Due:	\$ 14,425.85

6.90% Norton County Sales Tax

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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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. 7013

Date	11-18-13	Sec.	11	Twp.	5	Range	23	County	Norton	State	KS	On Location		Finish	06:45						
Location													Hill City N to Hwy 9 1/4 W into								
Lease	Hager Trust				Well No.				1-11				Owner								
Contractor	Discovery #2								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.								
Type Job	Production String								Charge To				Samuel Gary Jr & Associates								
Hole Size	7 7/8				T.D.				3830'				Street								
Csg.	5 1/2				Depth				3830'				City								
Tbg. Size					Depth								State								
Tool					Depth								The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.	43.44'				Shoe Joint				43.44'				Cement Amount Ordered								
Meas Line	Displace				90 bbl				5% Gilsomite 1/4 flow				25% CAF-38								
EQUIPMENT													Common			225					
Pumptrk	17	No.	Cementer	Cody				Poz. Mix													
Bulktrk	1	No.	Helper	Clayton				Gel.													
Bulktrk	PU	No.	Driver	Brett				Calcium				CD-110 - 117#									
JOB SERVICES & REMARKS													Hulls			KCL 2 gal					
Remarks:													Salt			19					
Rat Hole													30sx			Flowseal			56#		
Mouse Hole													65sx			Kol-Seal			1052#		
Centralizers													- 1, 3, 5, 7, 9, 11, 13, 15 + 49			Mud CLR 48			- 500 gal		
Baskets													- 4, 10, 16, 27 + 48			CFL-117			CD110 CAF 38		
Port Collar													J+ 48 @ 1818'			Sand			176#		
													Handling			254					
													Mileage			5 1/2					
Mix													500 Gal Mud Flush			FLOAT EQUIPMENT					
Plugged													Rat + Mouse			Guide Shoe			- 1		
Mixed													180sx A-pro-C			Centralizer			- 9		
Displaced													90 bbl			Baskets			- 5		
Lift pressure													@ 700 lbs			AFU Inserts					
Landed													@ 1500 lbs			Float Shoe					
Plug													held			Latch Down			- 1		
																Triplex Shoe			1 port collar		
																Rubber Plug			- 1		
																Pumptrk Charge			prod Long String		
																Mileage			52		
																Tax					
																Discount					
																Total Charge					

X Signature



QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 12/5/2013
Invoice # 7615
P.O.#:
Due Date: 1/4/2014
Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

Reference:
 HAGER TRUST 1-11

Description of Work:
 PORT COLLAR JOB

DRLG COMP W/O LOE GG

Account	7100-121
Well/Prospect	
Deck	
Job	
Approval	<i>[Signature]</i>
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
mon, MetsoBeads, Plater, Gel, FloSeal, Calcium)	180	\$ 3,736.59	Yes				
Bulk Truck Matl-Material Service Charge	306	\$ 664.46	No				
Pump Truck Mileage-Job to Nearest Camp	51	\$ 552.61	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	51	\$ 323.37	No				
Premium Gel (Bentonite)	4	\$ 70.70	Yes				

Invoice Terms:

Net 30

SubTotal:	\$	6,339.12
Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(950.87)
<hr/>		
SubTotal for Taxable Items:	\$	3,236.20
SubTotal for Non-Taxable Items:	\$	2,152.05
<hr/>		
Total:	\$	5,388.25
Tax:	\$	223.30

6.90% Norton County Sales Tax

Thank You For Your Business!

Amount Due: \$ 5,611.55
Applied Payments:
Balance Due: \$ 5,611.55

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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Boone Party

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. 7615

Date	12-5-13	Sec.	11	Twp.	5	Range	23	County	Norton	State	Ks	On Location	11:15 AM	Finish						
Lease	Hager Trust			Well No.			1-11			Location			Hy 9 and 283 1/4 W Ninto							
Contractor							Owner			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.							
Type Job	port collar						Charge To			Sam Gary Jr & Associates										
Hole Size				T.D.			Strer.													
Csg.	5 1/2			Depth			City			State										
Tbg. Size	2 1/2			Depth			City			State										
Tool	port collar			Depth			1818			The above was done to satisfaction and supervision of owner agent or contractor.										
Cement	Left in Csg.			Shoe Joint			Cement Amount Ordered			300 QMDC										
Meas Line	Displace			9.1316			Y4 Flowseal used			180										
EQUIPMENT												Common				180				
Pumptrk	5	No.	Cementer	Matt			Poz. Mix													
Bulktrk	9	No.	Helper	Lonnie W			Gel.			4										
Bulktrk	pa	No.	Driver	Dore			Calcium													
JOB SERVICES & REMARKS												Hulls								
Remarks:													Salt							
Rat Hole													Flowseal							
Mouse Hole													Kol-Seal							
Centralizers													Mud CLR 48							
Baskets													CFL-117 or CD110 CAF 38							
or Port Collar	1818						Sand													
mixed 4 Bags of						Handling			306											
Gel			180			Mileage														
FLOAT EQUIPMENT												Guide Shoe								
Cement did												Centralizer								
Circulate												Baskets								
												AFU Inserts								
												Float Shoe								
												Latch Down								
												Pumptrk Charge				port collar				
												Mileage				51				
												Tax								
<input checked="" type="checkbox"/> Signature												Discount								
												Total Charge								



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

SAMUEL GARY JR & ASSOC. INC.

HAGER TRUST et al 1-11

1515 WYNKOOP SUITE 700
DENVER CO. 80202

11-5s-23w Norton,KS

ATTN: CLAYTON CAMOZZI

Job Ticket: 55859

DST#: 1

Test Start: 2013.11.15 @ 14:05:00

GENERAL INFORMATION:

Formation: **LANS. "D-E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:56:15

Time Test Ended: 21:12:45

Test Type: Conventional Bottom Hole (Initial)

Tester: BOB HAMEL

Unit No: 44

Interval: 3438.00 ft (KB) To 3475.00 ft (KB) (TVD)

Reference Elevations: 2190.00 ft (KB)

Total Depth: 3475.00 ft (KB) (TVD)

2182.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8879 Outside

Press@RunDepth: 23.19 psig @ 3440.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.11.15 End Date: 2013.11.15

Last Calib.: 2013.11.15

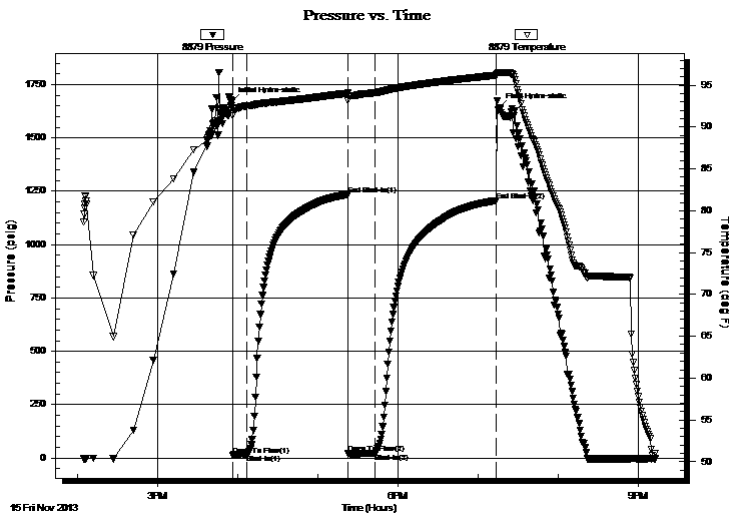
Start Time: 14:05:05 End Time: 21:12:44

Time On Btm: 2013.11.15 @ 15:55:45

Time Off Btm: 2013.11.15 @ 19:15:45

TEST COMMENT: I.F. - 10 - W.S.B. BUILT TO (1/2 " IN 10 MIN.)
I.S.I. - 75 - NO B.B.
F.F. - 20 - NO INT. BLOW BUILT TO (1/2 " IN 20 MIN.)
F.S.I. - 90 - NO B.B.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1670.45	92.53	Initial Hydro-static
1	13.21	91.34	Open To Flow (1)
12	15.14	92.50	Shut-In(1)
87	1234.51	94.04	End Shut-In(1)
87	20.24	93.18	Open To Flow (2)
107	23.19	94.10	Shut-In(2)
198	1206.44	96.18	End Shut-In(2)
200	1639.80	96.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 40% OIL 60% MUD	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

SAMUEL GARY JR & ASSOC. INC.

1515 WYNKOOP SUITE 700
DENVER CO. 80202

ATTN: CLAYTON CAMOZZI

HAGER TRUST et al 1-11

11-5s-23w Norton,KS

Job Ticket: 55859 **DST#: 1**

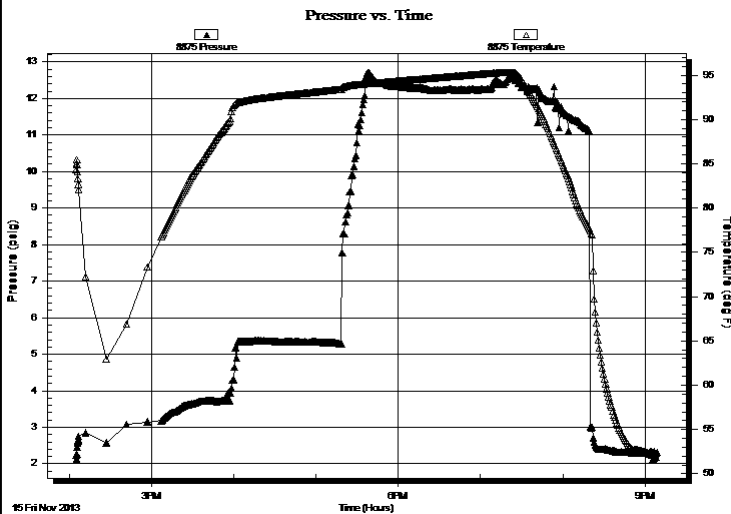
Test Start: 2013.11.15 @ 14:05:00

GENERAL INFORMATION:

Formation: **LANS. "D-E"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Tester: BOB HAMEL
 Time Tool Opened: 15:56:15
 Time Test Ended: 21:12:45
 Unit No: 44
Interval: 3438.00 ft (KB) To 3475.00 ft (KB) (TVD)
 Reference Elevations: 2190.00 ft (KB)
 Total Depth: 3475.00 ft (KB) (TVD) 2182.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8875 Fluid
 Press@RunDepth: psig @ 3409.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.15 End Date: 2013.11.15 Last Calib.: 2013.11.15
 Start Time: 14:05:05 End Time: 21:08:59 Time On Btm:
 Time Off Btm:

TEST COMMENT: I.F. - 10 - W.S.B. BUILT TO (1/2 " IN 10 MIN.)
 I.S.I. - 75 - NO B.B.
 F.F. - 20 - NO INT. BLOW BUILT TO (1/2 " IN 20 MIN.)
 F.S.I. - 90 - NO B.B.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 40% OIL 60% MUD	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

SAMUEL GARY JR & ASSOC. INC.

HAGER TRUST et al 1-11

1515 WYNKOOP SUITE 700
DENVER CO. 80202

11-5s-23w Norton,KS

Job Ticket: 55859

DST#: 1

ATTN: CLAYTON CAMOZZI

Test Start: 2013.11.15 @ 14:05:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	OCM 40% OIL 60% MUD	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: NO CLEAN OIL

SAMPLER RECOVERY = 500 M.L. TOTAL FLUID

200 M.L. OIL / 300 M.L. MUD

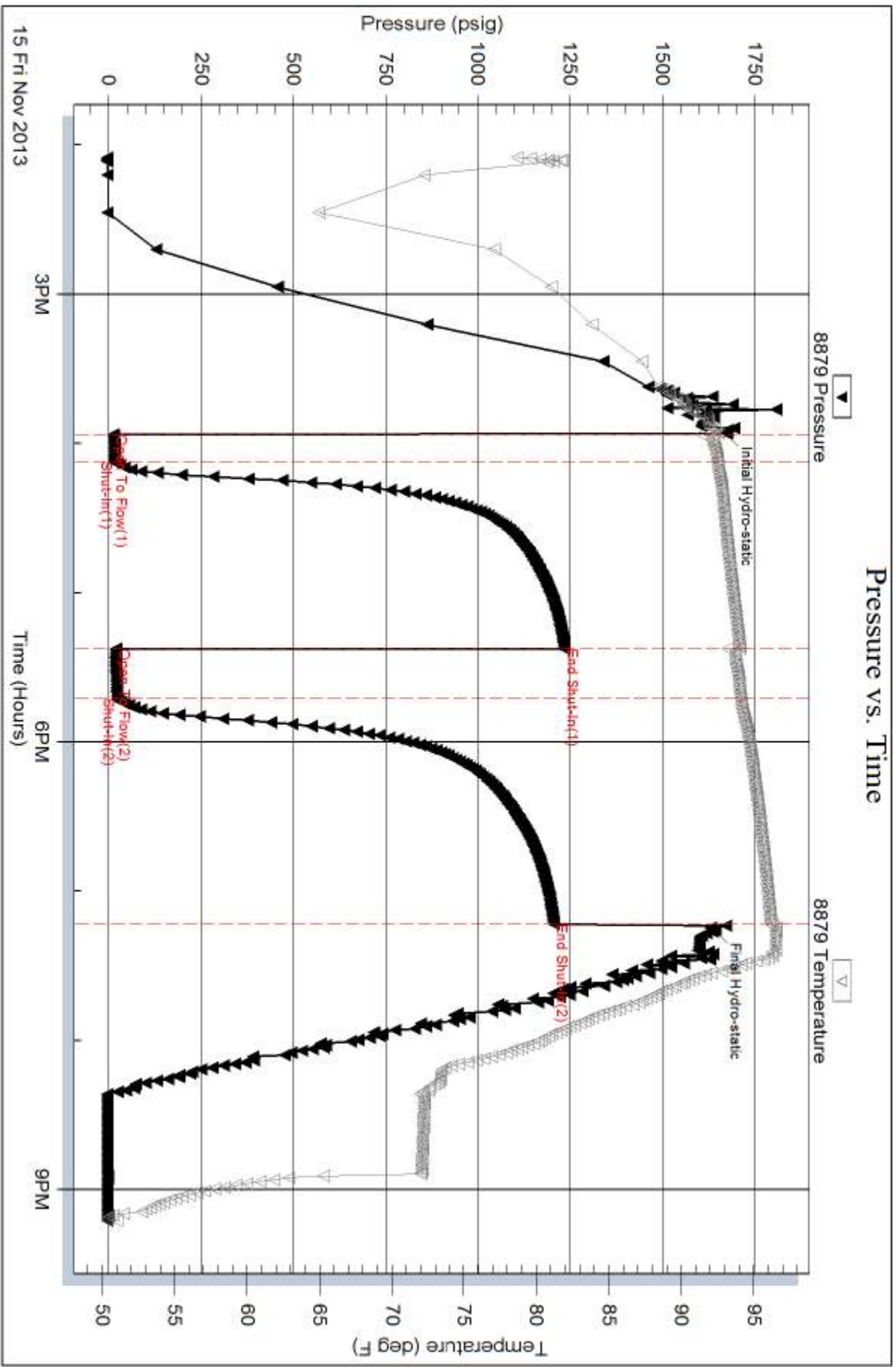
P.S.I. = 50

Serial #: 8879

Outside SAMUEL GARY JR & ASSOC. INC.

11-55-23w Norton, KS

DST Test Number: 1



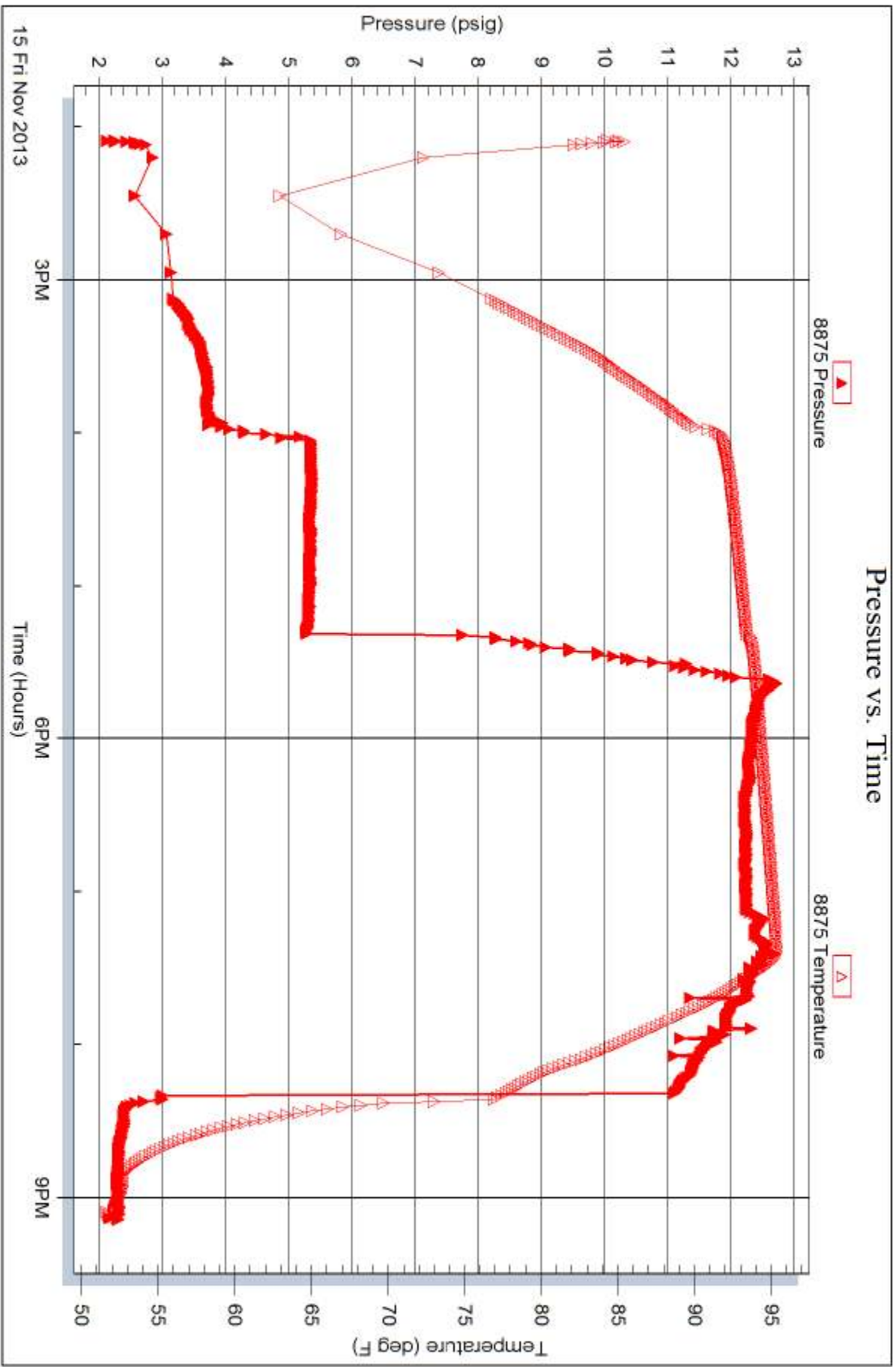
Serial #: 8875

Fluid

SAMUEL GARY JR & ASSOC. INC.

11-55-23w Norton, KS

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55859

Printed: 2013.11.17 @ 10:31:24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

SAMUEL GARY & ASSOC. INC.

SEC. 11-5S.-23W.- NORTON CO.

1515 WYNKOOP SUITE 700
DENVER CO.
80202
ATTN: CLAYTON CAMOZZI

HAGER TRUST

Job Ticket: 55860

DST#: 2

Test Start: 2013.11.17 @ 11:18:39

GENERAL INFORMATION:

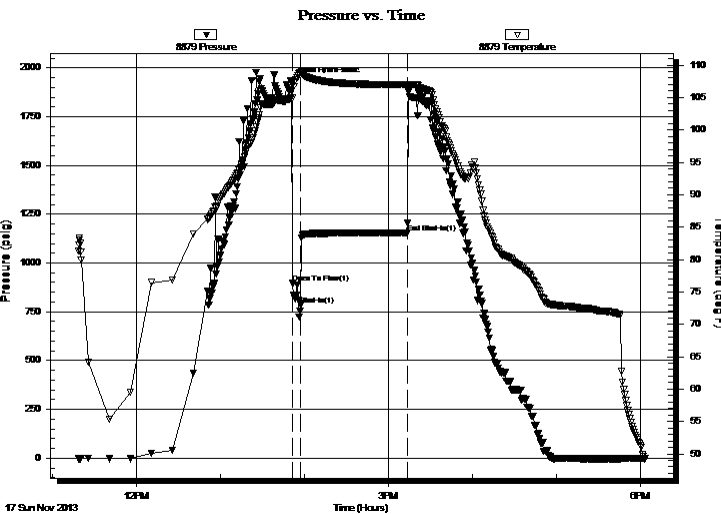
Formation: **ARB.**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 13:51:39
 Tester: BOB HAMEL
 Time Test Ended: 18:02:54
 Unit No: 44
 Interval: **3707.00 ft (KB) To 3830.00 ft (KB) (TVD)**
 Reference Elevations: 2190.00 ft (KB)
 Total Depth: 3830.00 ft (KB) (TVD)
 2182.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8879

Outside

Press @ Run Depth: 786.41 psig @ 3807.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.17 End Date: 2013.11.17 Last Calib.: 2013.11.17
 Start Time: 11:18:44 End Time: 18:02:53 Time On Btm: 2013.11.17 @ 13:50:54
 Time Off Btm:

TEST COMMENT: I.F. - 5 - 1/2 INT. BLOW BUILT TO (B.O.B. IN 45 SEC.)
 I.S.I. - 75 - NO B.B.
 " PULLED TOOL AFTER I.S.I."



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1932.08	104.95	Initial Hydro-static
1	895.49	104.93	Open To Flow (1)
7	786.41	108.85	Shut-In(1)
83	1153.92	106.95	End Shut-In(1)

Recovery

Length (ft)	Description	Volume (bbl)
1071.00	WCM 40%WATER 60%MUD	14.73

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

SAMUEL GARY & ASSOC. INC.

SEC. 11-5S.-23W.- NORTON CO.

1515 WYNKOOP SUITE 700
DENVER CO.
80202
ATTN: CLAYTON CAMOZZI

HAGER TRUST

Job Ticket: 55860

DST#: 2

Test Start: 2013.11.17 @ 11:18:39

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1071.00	WCM 40%WATER 60%MUD	14.732

Total Length: 1071.00 ft Total Volume: 14.732 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

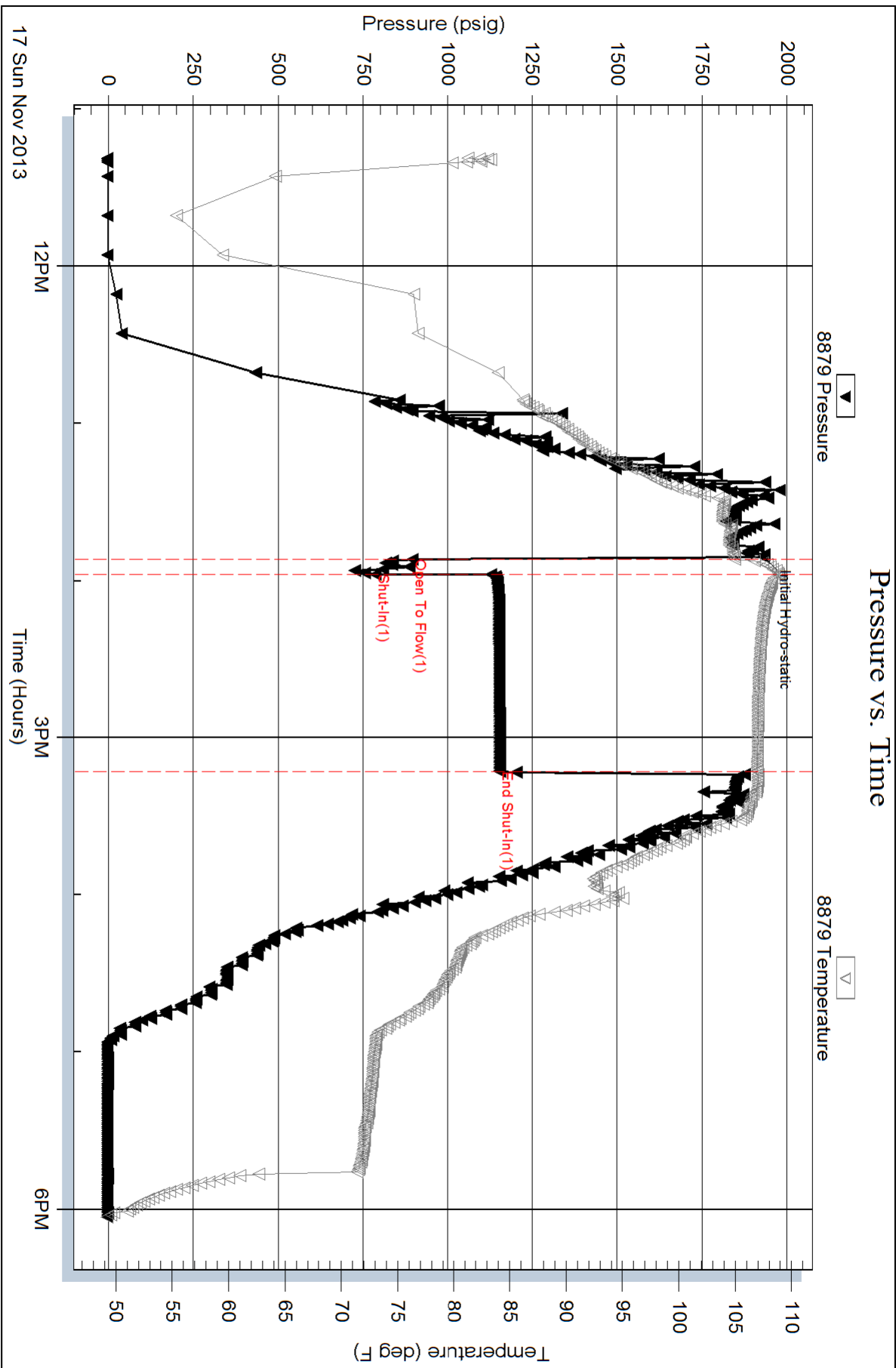
Recovery Comments: R.W. .51 @ 40 F CHLORIDES 25000 P.P.M.
SAMPLER RECOVERY = 500 M.L. MUDDY WATER @ 50 P.S.I.

Serial #: 8879

Outside SAMUEL GARY & ASSOC. INC.

HAGERTRUST

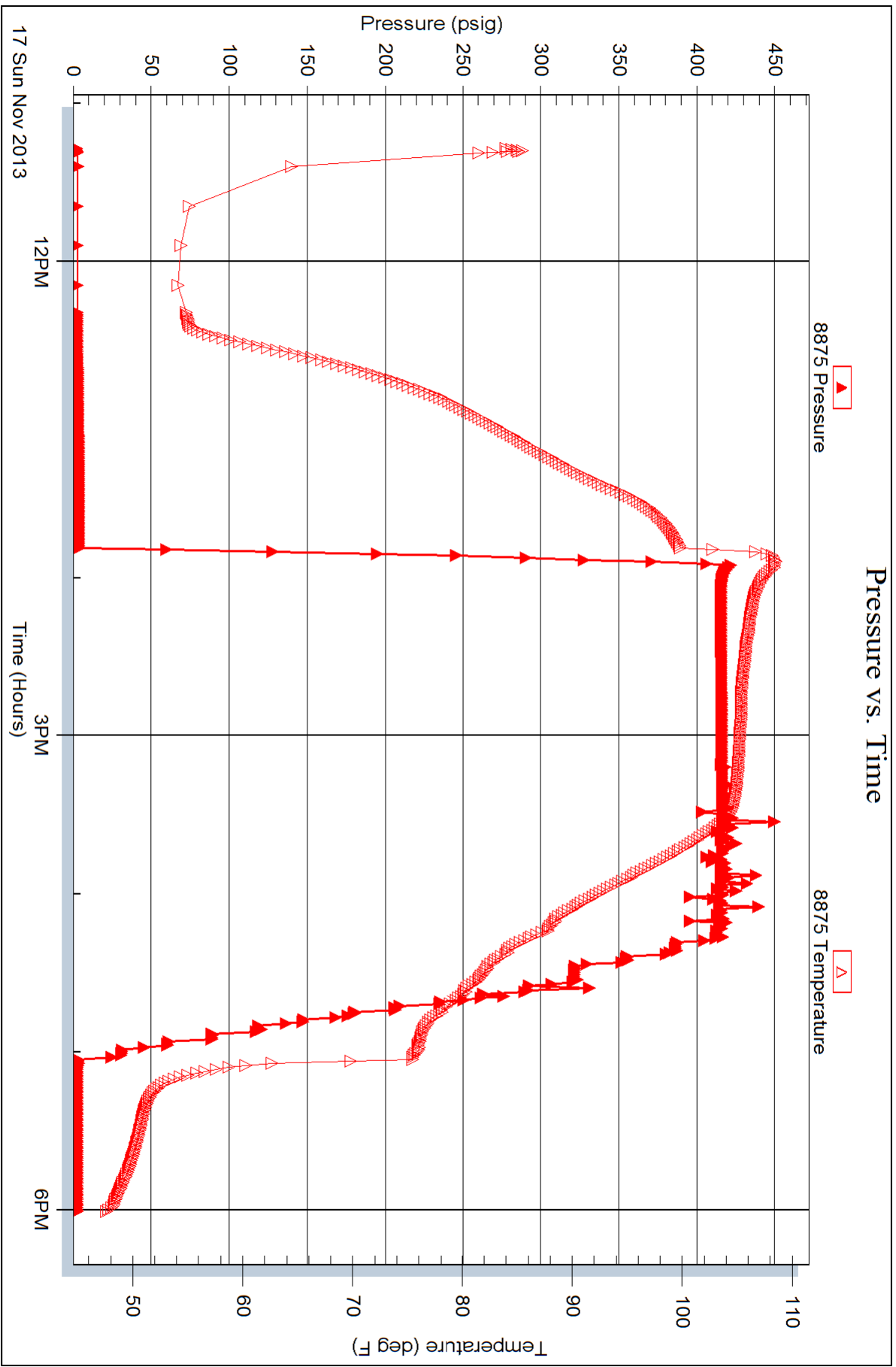
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Triobite Testing, Inc

Ref. No: 55860

Printed: 2013.11.17 @ 22:55:51

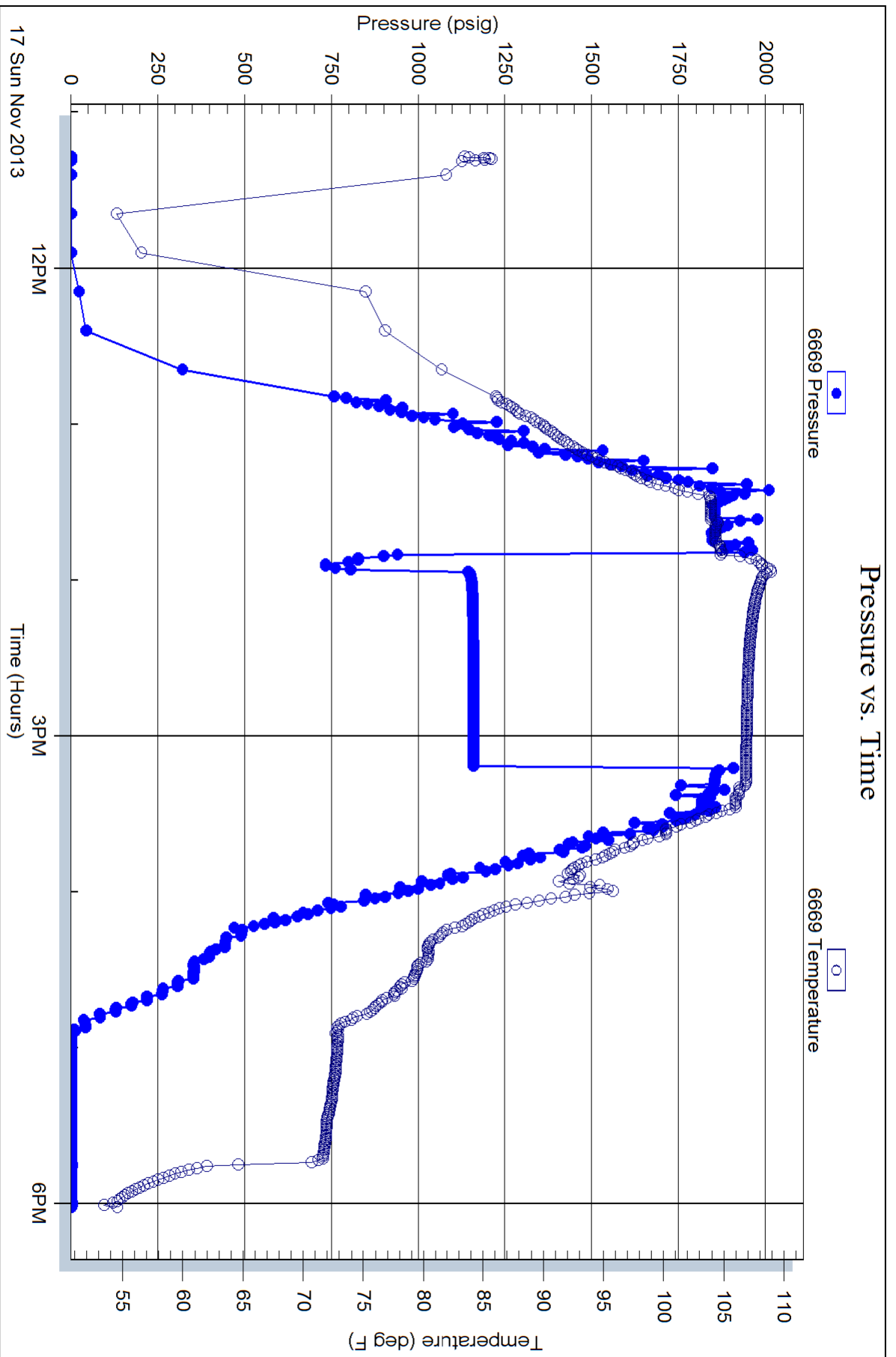


Serial #: 6669

SAMUEL GARY & ASSOC. INC.

HAGERTRUST

DST Test Number: 2





Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: HAGER TRUST ET AL 1-11
 Location: SEC. 11-5S-23W NORTON CO., KS
 License Number: 15-137-20676-0000
 Spud Date: 11-11-13
 Surface Coordinates: 1145 FSL/ 1470 FEL
 Region: Wildcat
 Drilling Completed: 11-16-13

Bottom Hole Coordinates:
 Ground Elevation (ft): 2182' K.B. Elevation (ft): 2190'
 Logged Interval (ft): 3100' To: 3830' Total Depth (ft): 3830'
 Formation: Lansing/ Arbuckle
 Type of Drilling Fluid: Natural Chemical

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Sam Gar Jr. & Associates
 Address: 1515 Wynkoop, Ste. # 700
 Denver, Co. 80202
 Co. Geo: Clayton Camozzi

GEOLOGIST

Name: Jordan Newsom/ Schuyler Hedrick
 Company: Earth Tech OGL, Inc.
 Address: PO Box 683
 Hooker, Okla. 73945
 1-(888)-543-8378 Work Cell-(580)-754-0990

DST's Report

DST #1 3438'-3475' 10-75-20-90
 IF -W.S.B. BUILT TO 1/2" IN 10 MIN., ISI-NO BLOW BACK, FF-NO INT. BLOW BUILT TO 1/2" IN 20 MIN., FSI- NO BLOW BACK
 IH-1670, FH-1640/ IF- 13 TO 20, FF- 15 TO 23/ ISI- 1235, FSI-1206
 REC. TT 5' FLUID/ 5' OF OCM 40% OIL, 60% MUD/ BHT-96, CHLOR.-500 PPM SYSTEM

ROCK TYPES

Anhy	Gyp	Shgy	Sandylms
Bent	Igne	Sltst	Shale
Brec	Lmst	Ss	Sltstn
Cht	Meta	Till	Shlysits
Clyst	Mrlst	Carb sh	Slysh
Coal	Salt	Dol	Lms
Congl	Shale	Dtd	
Dol	Shcol	Gry sh	

ACCESSORIES

MINERAL	Salt	Fossil	Clystn
Anhy	Sandy	Gastro	Dol
Arggrn	Silt	Oolite	Grysh
Arg	Sil	Ostra	Gryslt
Bent	Sulphur	Pelec	Lms
Bit	Tuff	Pellet	Sandylms
Brecfrag	Chlorite	Pisolite	Sh
Calc	Dol	Plant	Sltstn
Carb	Sand	Strom	
Chtdk	Silty	Fuss	
Chtlt		Oomold	
Dol	FOSSIL	STRINGER	TEXTURE
Feldspar	Algae	Anhy	Boundst
Ferrpel	Amph	Arg	Chalky
Ferr	Belm	Bent	Cryxln
Glau	Bioclst	Coal	Earthy
Gyp	Brach	Dol	Finexln
Hvymin	Bryozoa	Gyp	Grainst
Kaol	Cephal	Ls	Lithogr
Marl	Coral	Mrst	Microxln
Minxl	Crin	Sltstrg	Mudst
Nodule	Echin	Ssstrg	Packst
Phos	Fish	Carbsh	Wackest
Pyr	Foram		

OTHER SYMBOLS

POROSITY TYPE

- E Earthy
- B Fenest
- F Fracture
- X Inter
- Z Moldic
- O Organic
- P Pinpoint
- V Vuggy

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- S Subrnd
- a Subang

- A Angular

OIL SHOWS

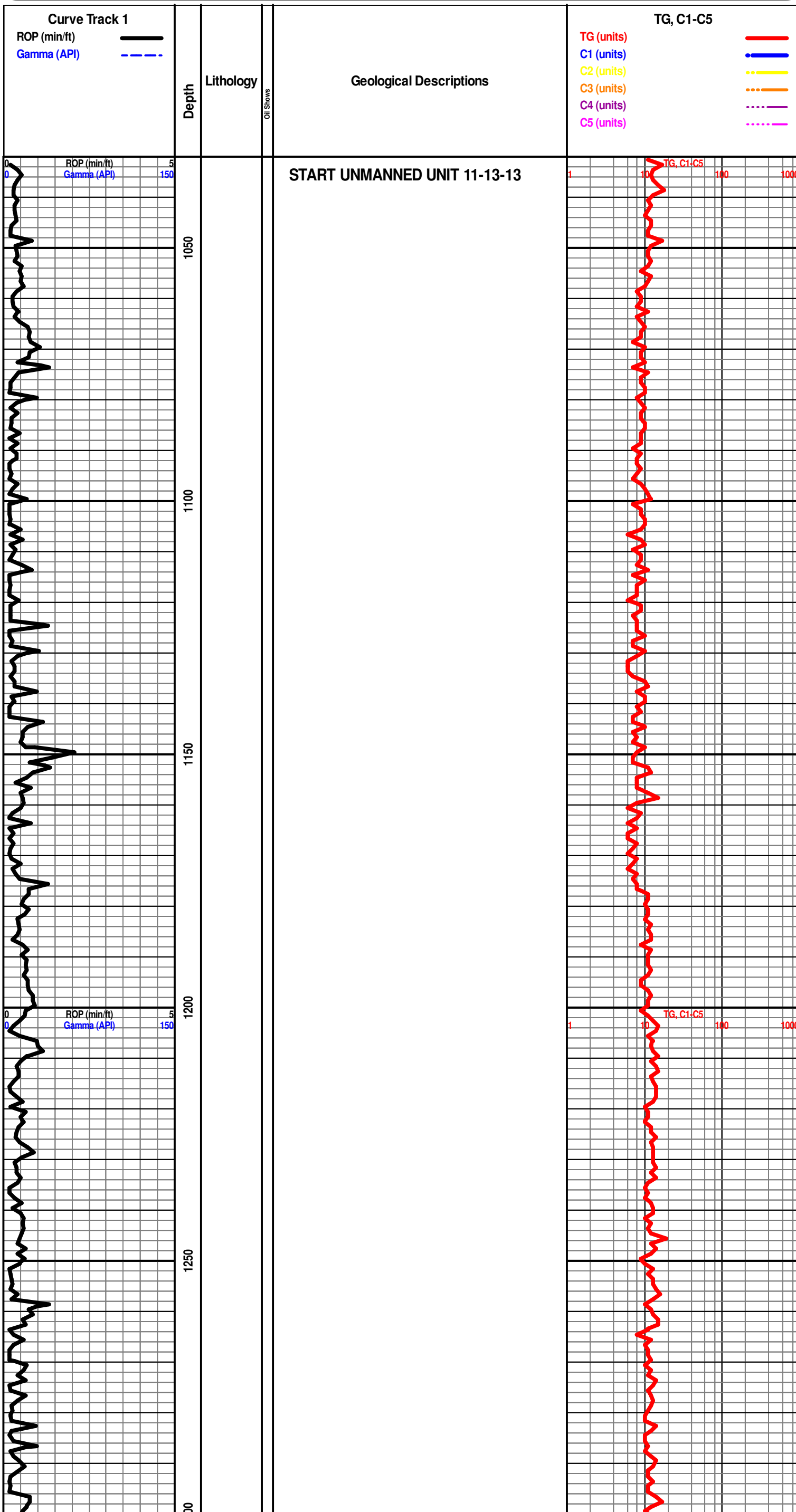
- E Even
- S Spotted
- Q Ques
- D Dead
- G Gas show

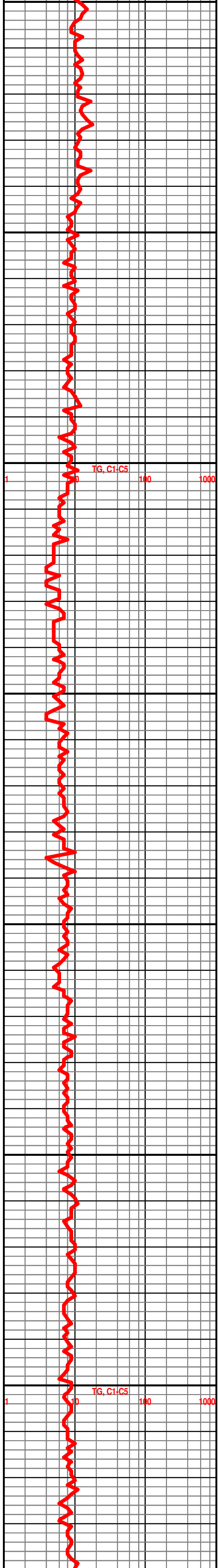
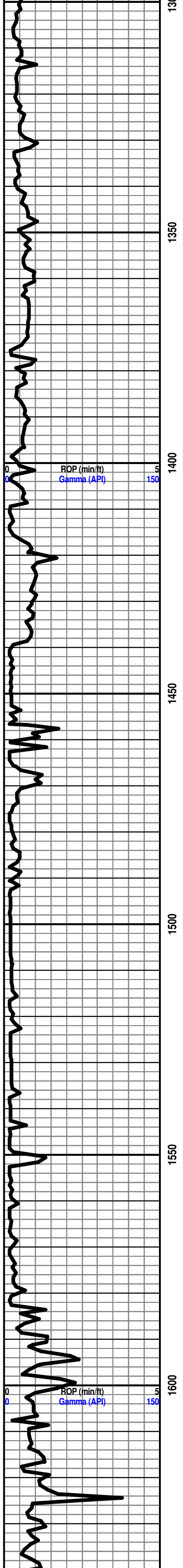
INTERVALS

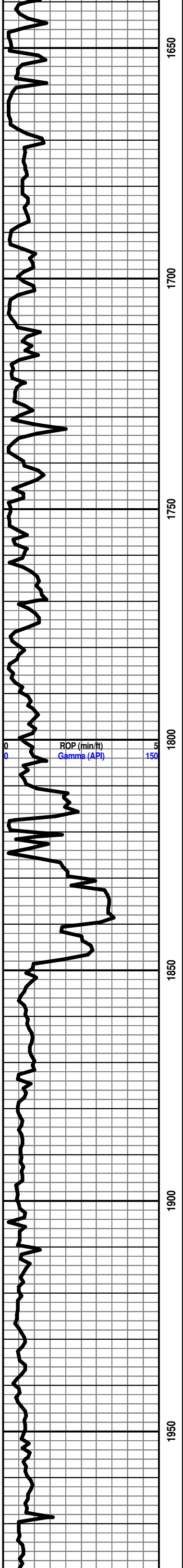
- Core
- Dst
- Dst

EVENTS

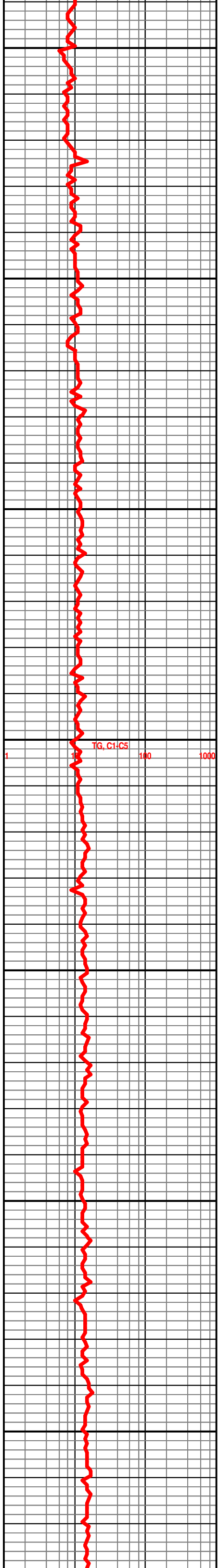
- Rft
- Sidewall

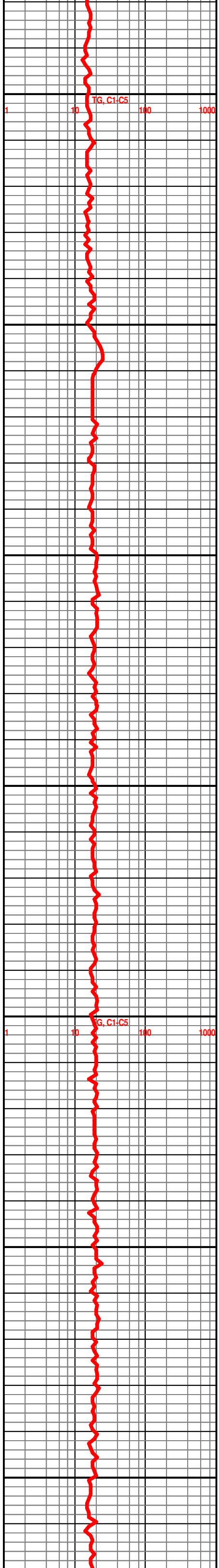
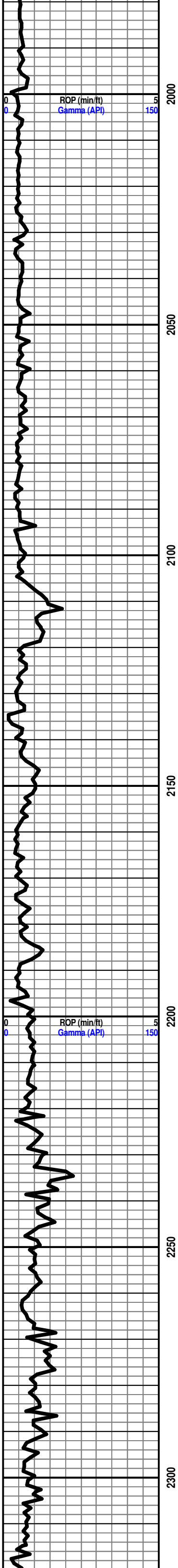


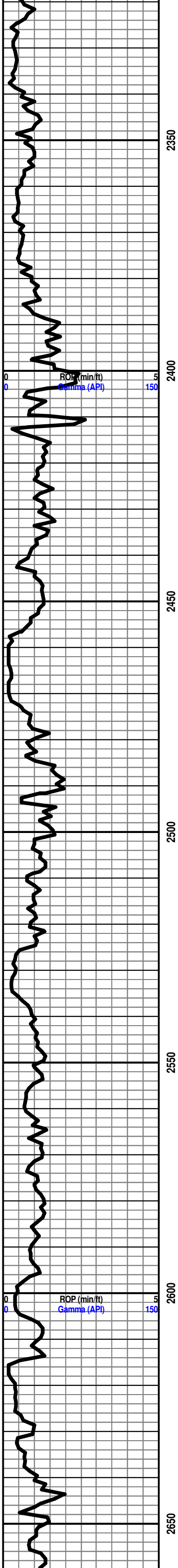




STONE CORRAL 1825' 365'

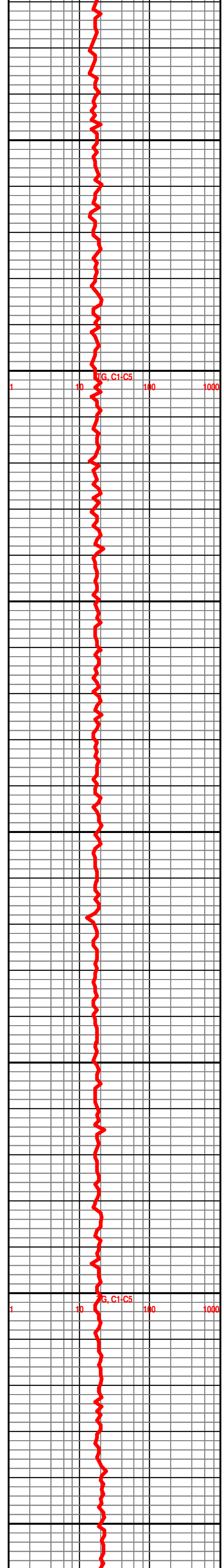


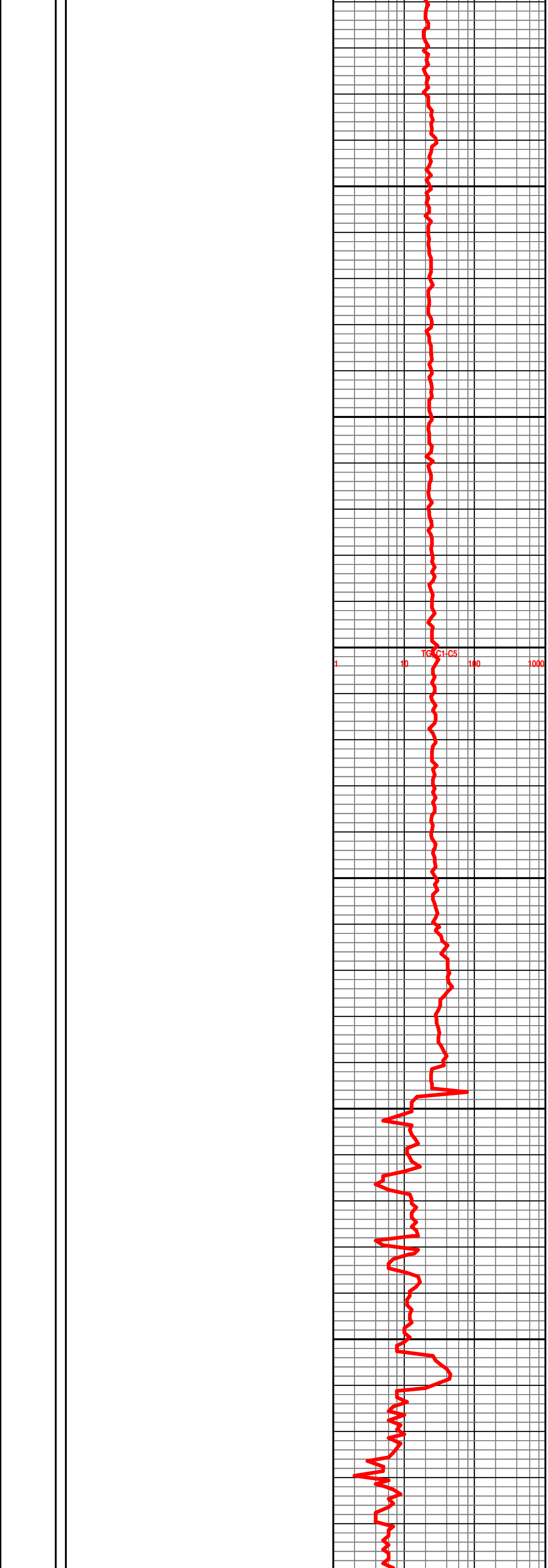
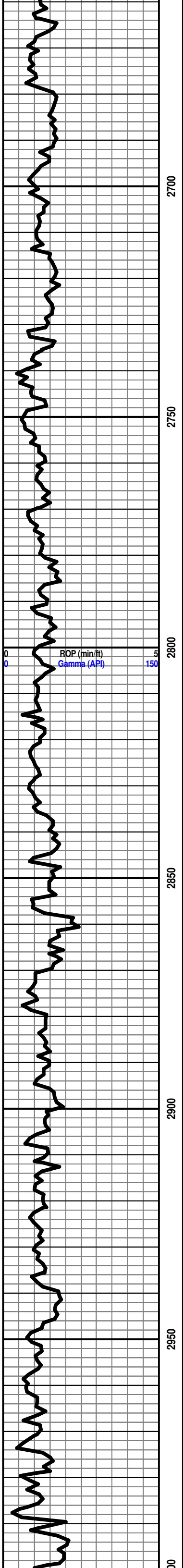


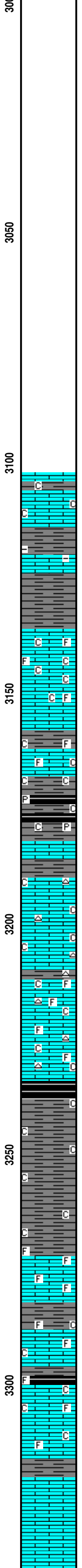
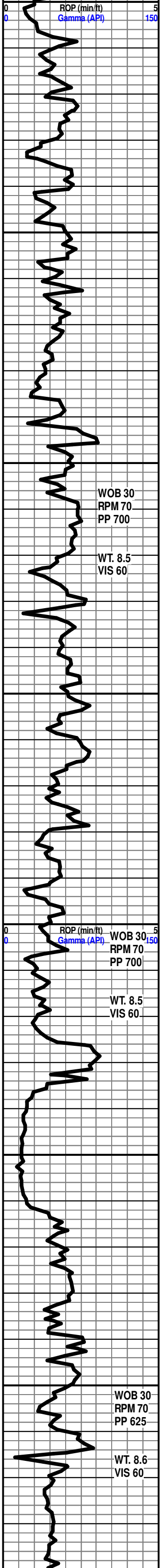


MATTFIELD 2388' -198'

WRELORD 2473' -298'







START 24 HR MANNED UNIT 11-14-13
 LS-CRM TO LT TN IP, HD DNS TO BR TT IP, MD/F-XLN, RE-XLN IP, S-SUCRO, HVY TR SFT WHT CHLK IN TRAY, LT TR IMBD SFT WHT CHLK, SL TR SCAT IMBD CALC-XLS IP, DLL YEL MIN FLO IN 40%, NO VIS POR, NO VIS CUT OR SHOW

LS-LT TN TO LT GY, V HD DNS TO TR BR TT IP, F/VF-XLN S-CHLKY IP, HVY TR IMBD LT GY TO GY SH, NO VIS FLO, NO VIS POR, NO VIS SHOW

TOPEKA 3134' - 944'

LS-CRM TO OFF WHT LT GY IP, HD DNS TO V BR TT, MD-XLN, V CHLKY MTRX, ABDT IMBD SFT CHLK THRU, LT TR IMBD FOSS FRAG IP, DLL YEL MN FLO IN 10%, TR V PR VUG POR IP, NO VIS CUT OR SHOW

LS-CRM BFF OFF WHT, HD DNS TO BR TT, MD-XLN RE-XLN ABD IMBD FOSS FRAG THRU, V LT TR SFT CHLK IN TRAY, V DLL YEL MIN FLO IN 30%, SLI TR INTER- FOSS POR IP, NO VIS CUT OR SHOW

SH- LT GY TO GY GRN, FRM BLKY BLK SFT CARB IP, ABDT SFT CHLK THRU TRAY, LT TR PYR

LS- OFF WHT TO CRM LT TN IP, HD DNS TO BR TT, MD/F-XLN, V S-CHLKY, ABDT SFT CHLK THRU TRAY, HVY TR WHT TO LT TN CHRT, DLL YEL MIN FLO IN 50%, YEL MIN FLO IN 10%, NO VIS POR, NO VIS CUT OR SHOW

LS- CRM TO LT TN OFF WHT IP, HD DNS TO BR TT, MD-XLN V S-CHLKY ABDT SFT WHT CHLK IN TRAY, HVY TR IMBD FOSS FRAG, LT TR ORNG CHRT IN TRAY, V DUL YELFLO IN 30%, NO VIS POR, NO VIS CUT OR SHOW

SH- BLK SFT CARB

SH- LT RD TO RD, SFT TO V GMMY, HVY TR SFT CHLK, LT TR LT TN CHRT,

SH- RD TO DK RD, STF TO GMMY, BLKY SLTY TXT, HVY TR SFT WHT CHLK

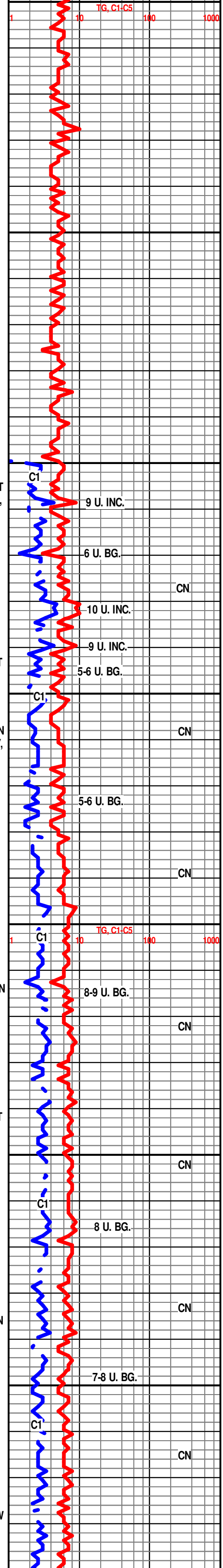
LS- LT TN TO TN, HD DNS TO BR TT IP, MD/F-XLN RE-XLN IP, ABDT IMBD FOSS FRAG, V SLI TR CALC-XLN IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- LT GY OFF WHT CRM IP, HD DNS TO BR TT IP, F/V-XLN S-CHLKY, SLI TR IMBD FOSS FRAG IP, YEL MIN FLO IN 70%, NO VIS POR, NO VIS CUT OR SHOW

LS- CRM TO LT TN, HD DNS TO BR TT, MD-XLN RE-XLN MTRX V S-CHLKY, SCAT IMBD FOSS FRAG IP, TR IMBD CALC-XLS LT TR SFT WHT CHLK IN TRAY, DUL YEL MIN FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT TO LT GY, HD DNS TO TR BR TT IP, F/VF-XLN, S-SUCRO IP, SCART IMBD CALC-XLS THRU, V DUL YEL MIN FLO IP, NO VIS POR, NO VIS CUT OR SHOW

HEERNER 3341' - 1151'



C1
9 U. INC.

6 U. BG.
CN

10 U. INC.
9 U. INC.
5-6 U. BG.

C1
CN
5-6 U. BG.

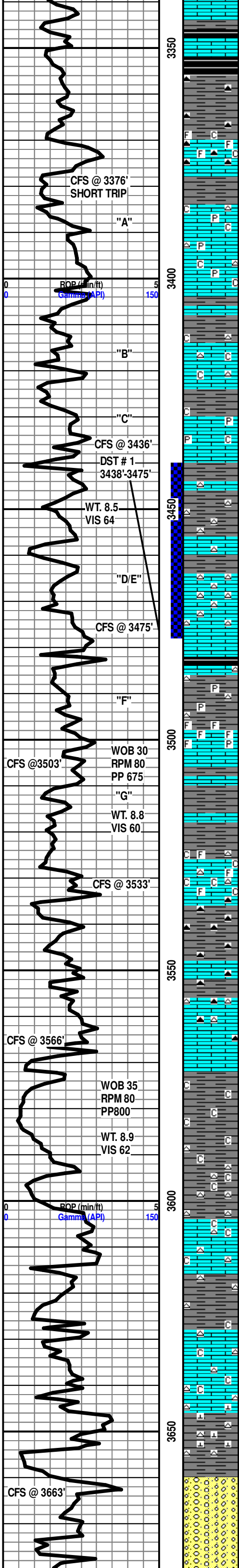
C1
CN
8-9 U. BG.

SH- BLK SFT CARB
CN

C1
8 U. BG.
CN

C1
7-8 U. BG.
CN

C1
CN



SH- BLK SFT CARB

SH- RD LT GY GRN, FRM SFT TO TR GMMY IP, SPLNTY, HVY TR BLK SFT CARB, LT TR CLR TO ORNG CHRT

LS- CRM OFF WHT LT TN IP, HD DNS TO BRTT, MD-XLN, RE-XLN MTRX, S-CHLKY, ABTD IMBD FOSS FRAG THRU, ABTD CLR TO ORNG CHRT THRU TRAY, HVY TR SFT CHLK, DUL YEL MIN FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

LANSING 3383' -1193'

LS- CRM OFF WHT LT TN, HD DNS TR BRTT IP, F TO V/F-XLN, S-CHLKY IP, HVY TR SFT CHLK IN TRAY, LT TR CLR CHRT, LT TR PYR IN TRAY, V DLL YEL FLO IN 40%, NO VIS POR, NO VIS CUT OR SHOW

LANSING "B" ZONE 3412'-1222'

3415'-3419' LS- CRM BFF OFF WHT (W/DK TN TO BRN OIL STN SCAT IN 25%) (LIVE OIL STN IN 10%) HD DNS TO BRTT, MD TO F/XLN S-CHLKY, ABTD CLR TO ORNG CHRT IN TRAY, HVY TR IMBD SFT WHT CHLK, DUL YEL GLD FLO IN 20- 30%, V/PR TO PR INTER-XLN POR IN 1%, PR TO FR VUG POR IP,FR TO GD FLSH CUT, GD SLW STRM IN 40%, TN LCH ON DISH, NO OIL ODOR

3431'-3434' LS- WHT TO CRM IP, (W/DK TN OIL STN IN 20-30%), HD DNS TO TR BRTT IP, F/VF-XLN, S-CHLKY IP, ABTD IMBD SFT CHLK, V LT TR PYR IN TRAY, BR YEL GLD FLO IN 15%, V PR TO PR INTER-XLN POR IP, FR FLSH CUT, FR TO GD SLW STRM IN 20%, V LT TR LT TN LCH ON DISH, NO OIL ODOR

SH- LT GY TO LT GRN MOTT, V FRM TO SFT IP, SPLNTY SMTH TXT, V CALC, HVY TR ORNG CHRT THRU TRAY

3467'-3470' LS- CRM TO LT TN (W/ LT TN TO TN OIL STN IN 40-50%), HD DNS TO V BRTT, MD/F-XLN, RE-XLN, S-SUCRO THRU, V SLI TR S-CHLKY IP, SCAT IMBD V SM S-ANG CLR QRTZ, ABTD FRSTY WHT CHRT THRU TRAY, LT TR IMBD FOSS FRAGS, DLL YEL GLD FLO IN 40%, YEL GLD FLO IN 10%, BRT YEL GLD FLO IN 10%, PR FR TO TR GD VUG POR IN 2%, FR MICRO VUG POR IN 2%, FR INTER-FOSS POR IP, FR FLSH CUT, FR TO GD SLW STRM IN 40%, LT TN TO TN LCH ON DISH, NO OIL ODOR

LANSING "F" SHALE 3481' -1291'

SH- LT GY TO MD GY, V FRM BLKY SFT SPLNTY, HVY TR FRSTY WHT CHRT, LT TR PYR IN TRAY

3497'-3499' LS- CRM BFF TO LT TN (WITH LT OIL STN IN 30%), HD DNS TO BRTT, MD-XLN V/RE-XLN MTRX, S-SURCO, ABTD IMBD MD LG FOSS FRAG, V FOSS, V LT TR PYR IN TRAY, V DLL YEL GLD FLO IN 15%, FR TO GD INTER-FOSS POR IN 3-4%, INST FLSH CUT, GD TO EXCEL SLOW STREM IN 70%, TN TO DK TN LCH ON DISH, NO OIL ODOR

LANSING "G" 3525' -1335'

3530'-3532' LS- WHT TO OFF WHT (W/ TN TO DK TN OIL STN SCAT IN 20-25%), HD DNS TO BRTT IP, F/VF-XLN MTRX, S-CHLKY, HVY TR IMBD SFT CHLK, LT TR IMBD ORNG CHRT IP, SLI TR IMBD FOSS FRAG DLL YEL GLD FLO IN 20%, SPTTD BRT YEL GLD IN 5%, SLI TR V PR TO PR MICRO-VUG POR IP, FR TO GD FLSH CUT, GD SLW STRM IN 30%, TR V LT TN LCH ON DISH, NO OIL ODOR

SH- RD TO DK RD GRN MOTT, SFT TO GMMY IP, SLI SLTY IP, HVY TR ORNG CHRT

LS- CRM BFF TO OFF WHT, V HD DNS, VF/F-XLN MTRX, CRYPTO-XLN, TR S-SUCRO IP, HVY TR CLR AND ORNG CHRT IN TRAY, SCAT IMBD CLAC-XLS, DLL YEL MIN FLO IN 50%, NO VIS POR, NO VIS CUT OR SHOW

BKC 3569' -1379

SH- RD GRN LT GY TO GY MOTT, SFT TO GMMY IP, ABTD SFT WHT CHLK IN TRAY

SH- MD GY LT RD GRN MOTT, SFT TO GMMY ABTD SFT CHLK THRU TRAY, LT TR CLR CHRT

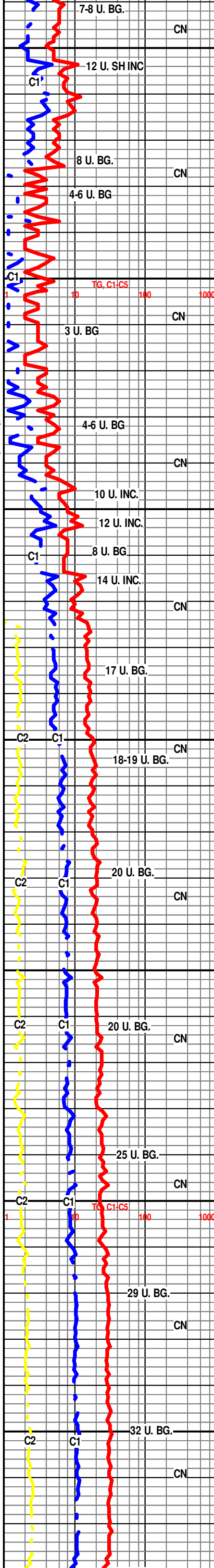
LS- WHT TO OFF WHT CRM, V HD DNS, V/F-XLN MTRX, RE-XLN IP S-CHLKY, HVY TR CLR CHRT, LT TR SFT CHLK, NO VIS FLO, NO VIS POR, VO VIS CUT OR SHOW

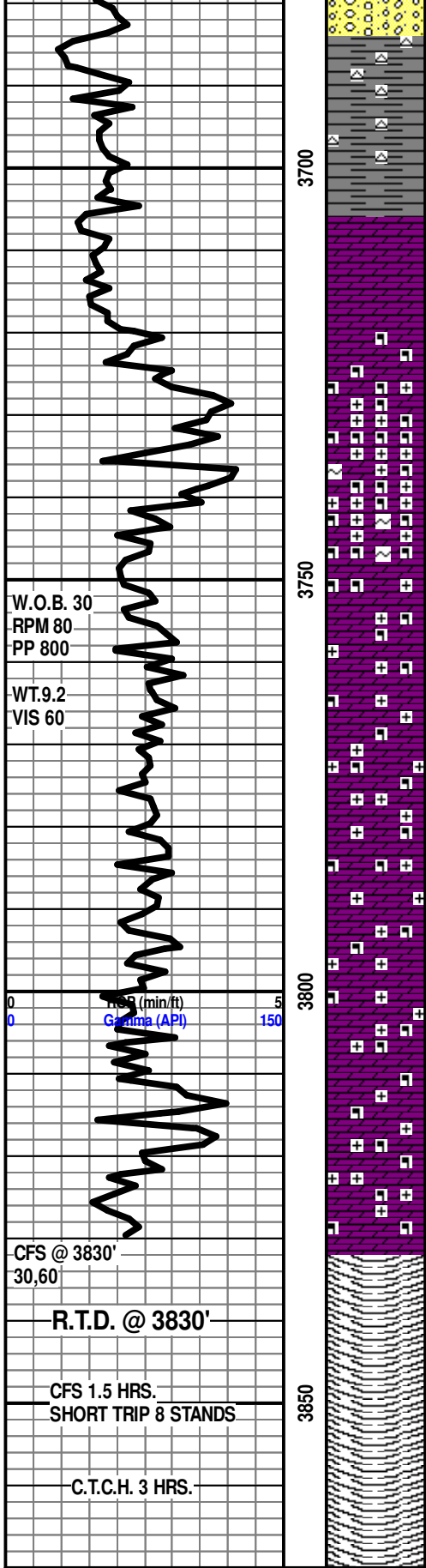
SH- RD PRP GRN LT GY MOTT, SFT TO V GMMY, LT TR CLR TO ORNG CHRT

LS- WHT TO OFF WHT, HD DNS TO BRTT IP, F-XLN MTRX RE-XLN IP, S-CHLKY, SCAT IMBD SM TO MD S-RND CLR QRTZ GRNS, LT TR CLR CHRT, ABTD SFT CHLK IN TRAY, DLL YEL MIN FLO IN 30%, NO VIS POR, NO VIS CUT OR SHOW

SH- GRN PRP RD MOTT, SFT SPNTY TO GMMY IP, HVY TR CLR TO ORNG CHRT, LT TR IMBD LS

CONG- LS- OFF WHT TO ORNG TO RD IP, HD DNS TO BRTT, MD-XLR TO RE-XLN MTRX, HVY TR IMBD RD SH, LT TR IMBD CHRT, SCAT UNCONSOLIDATED MD PBBL CLR TO FRSTY QRTZ GRNS, V DLL YEL MIN FLO IN 40%, NO VIS POR, NO VIS CUT OR SHOW





SH- RD TO DK RD, V GMMY, HVY TR CLR CHRT THRU TRAY

ARBUCKLE 3704' -1514'

DOLO- WHT TO OFF WHT, V HD DNS MD/F-XLN RE-XLN MTRX, S-CHLKY, ABDT IMBD SM TO MD S-ANG TO S-RND DOLO GRNS, SCAT IMBD SFT WHT CHLK, LT TR IMBD RD SH, NO VIS FLO, PR TO FR VIS VUG POR IN 1%, NO VIS CUT OR SHOW

DOLO- OFF WHT ORNG PNK, V HD DNS, F/VF-XLN, S-SUCRO, ABDT IMBD V SM S-ANG DOLO GRNS, HVY TR IMBD FELDSPAR, HVY TR IMBD MIN THRU, NO VIS FLO, TR PR TO FR VIS VUG POR IP, NO VIS SHOW

DOLO- ORNG TO OFF WHT, V HD DNS, F-XLN V, RE-XLN MTRX, ABDT IMBD SM S-ANG TO S-RND, FRSTY QRTZ GRNS SCAT IMBD SM ANG TO S-ANG DOLO GRNS, ABDT IMBD FELDSPAR THRU, LT TR IMBD GALAUC, LT TR IMBD HEMATITE, NO VIS FLO, PR TO FR TO TR GD INTER-GRN POR IN 2-3%,

DOLO- WHT TO PNK, V HD DNS, RE-XLN, V/T SUCRO MTRX, ABDT IMBD SM ANG TO S-ANG CLR TO FRSTY QRTZ GNS, ABDT IMBD MIN THRU, NO VIS FLO, V PR TO PR INTER-GRN POR IN 1%, NO VIS SHOW

DOLO- WHT TO OFF WHT GRN, HD DNS TO TR BRTT IP, MD-XLN RE-XLN, V TT SUCRO MTRX, ABDT IMBD V SM S-ANG DOLO GRNS, SCAT IMBD MD TO SM S-RND CLR QRTZ GRNS, HVY TR IMBD GLAUC THRU, LT TR IMBD MIN, NO VIS FLO, FR TO GD INTR-GRNS POR IN 3-4%, NO VIS CUT OR SHOW

DOLO-RD OFF WHT, V HD DNS, RE-XLN V TT SUCRO MTRX ABDT IMBD SM S-RND TO S-ANG CLR QRTZ GRNS, SCAT IMBD SM S-ANG DOLO GRNS, ABDT IMBD HVY MIN THRU, NO VIS FLO, VYPR TO PR INTR-GRNS POR SCAT IP, NO VIS SHOW

DOLO-WHT TO OFF WHT CRM, HD DNS, MD-XLN RE-XLM MTRX, ABDT IMBD SM TO MD S-ANG DOLO GRNS SCAT IMBD SM S-ANG TO S-RND CLR QRTZ GRNS, LT TR IMBD SFT CHLK IP, LT TR GLACU SLI TR IMBD HEMATITE, NO VIS FLO, PR TO TR FR VIS INTR-GRNS POR IN 3%, NO VIS SHOW

R.T.D. @ 10:00 P.M. 11-16-13

DROP SURVEY

T.O.F.L. @ 3:30 A.M.

WEATHERFORD LIBERAL, KS

