



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1089918
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: _____

1089918

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

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	DUMLER TRUST 1-33
Doc ID	1089918

All Electric Logs Run

DIL
MICRO
POR
SONIC
SPECTRAL

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 08, 2012

CLAYTON CAMOZZI
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-167-23788-00-00
DUMLER TRUST 1-33
SW/4 Sec.33-15S-15W
Russell 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 at 303-831-4673.

Respectfully,
CLAYTON CAMOZZI



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: 4/20/2012
 Invoice # 5493

P.O.#:
 Due Date: 5/20/2012
 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:
 DUMLER TRUST 1-33

Description of Work:
 LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Common-Class A	300	\$ 3,973.71	Yes				
8 5/8" Basket	2	\$ 686.17	Yes				
Bulk Truck Matl-Material Service Charge	317	\$ 688.34	No				
Calcium Chloride	11	\$ 449.77	Yes				
Pump Truck Mileage-Job to Nearest Camp	21	\$ 227.54	No				
8 5/8" Centralizer	2	\$ 138.97	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	21	\$ 133.15	No				
8 5/8" Top Rubber Plug	1	\$ 115.09	Yes				
Premium Gel (Bentonite)	6	\$ 106.05	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 97.71	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 7,607.90
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,141.19)

SubTotal for Taxable Items:	\$ 4,732.36
SubTotal for Non-Taxable Items:	\$ 1,734.36
Total:	\$ 6,466.72
Tax:	\$ 392.79

8.30% Russell County Sales Tax

Amount Due: \$ 6,859.50
Applied Payments:
Balance Due: \$ 6,859.50

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.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

RECEIVED

APR 27 2012

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

DRLG COMP W/O LOE GG

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

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. 5493

Date	4-18-12	Sec.	33	Twp.	15	Range	15	County	Russell	State	Ks	On Location		Finish	3:15 AM
Lease	Dunkle Trust	Well No.	1-33		Location Galatia Ks - N to C.L., 2W, N/5										
Contractor	Dial Energy #6							Owner							
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4"		T.D.		738'		Charge To Sam Gary Jr & Associates								
Csg.	8 5/8"		Depth		738'		Street								
Tbg. Size			Depth		City										
Tool			Depth		State										
Cement Left in Csg.	42.64'		Shoe Joint		42.64'		The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace		44 1/4 BLS		Cement Amount Ordered 300 5x Common 3%CC								
EQUIPMENT													2% Gel K ₁ # Flo-Seal		
Pumptrk	9	No.	Cementer	Matt		Common 300									
Bulktrk	10	No.	Driver	Brian		Poz. Mix									
Bulktrk	p.u.	No.	Driver	Rick		Gel. 6									
JOB SERVICES & REMARKS													Calcium 11		
Remarks:	Hulls														
Rat Hole	Salt														
Mouse Hole	Flowseal														
Centralizers	1, 13		Kol-Seal												
Baskets	2, 14		Mud CLR 48												
D/V or Port Collar	CFL-117 or CD110 CAF 38														
Cement did	Circulate.														
	Sand														
	Handling 317														
	Mileage														
FLOAT EQUIPMENT															
	Guide Shoe														
	Centralizer 2														
	Baskets 2														
	AFU Inserts														
	Float Shoe														
	Latch Down														
	1- Baffle plate														
	1- Rubber plug														
	Pumptrk Charge														
	Mileage 21														
													Tax		
													Discount		
													Total Charge		
X Signature	Randy D. [Signature]														

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. 375

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-24-12	33	15	15	RUSSELL	KANSAS		12:00 PM
Lease DUMIER TRUST	Well No. 1-33		Location RUSSELL IN BALTA STO COUNTY, IOWA 5 MI W - N INTO				
Contractor VAL DRILLING RIG # 40				Owner SAMUEL GARY JR & ASSOC			
Type Job				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size 7 7/8"	T.D.		Charge To SAMUEL GARY JR & ASSOC				
Csg. 5 1/2"	Depth		Street 1515 WYNNKOOP STE 700				
Tbg. Size	Depth		City DENVER State COLORADO, 80202				
Tool	Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg.	Shoe Joint		Cement Amount Ordered 205 SKS 60% 40 4% GEL				
Meas Line	Displace						
EQUIPMENT							
Pumptrk #15 No.	Cementm Helper PAUL			Common 123			
Bulktrk #10 No.	Driver BELAN			Poz. Mix 82			
Bulktrk P/u No.	Driver C. SOO			Gel. 7			
JOB SERVICES & REMARKS							
Remarks:			Calcium				
Rat Hole 30 SKS			Hulls				
Mouse Hole 15 SKS			Salt				
Centralizers			Flowseal 50#				
Baskets			Kol-Seal				
D/V or Port Collar			Mud CLR 48				
			CFL-117 or CD110 CAF 38				
			Sand				
1st @ 3440'	25 SKS		Handling 212				
2nd @ 990'	25 SKS		Mileage				
3rd @ 780'	50 SKS		FLOAT EQUIPMENT				
4th @ 450'	50 SKS		Guide Shoe				
5th @ 40'	10 SKS		Centralizer				
			Baskets				
			AFU Inserts				
			Float Shoe				
			Latch Down				
			8 5/8" DRY HOLE PLUG				
			Pumptrk Charge plug				
			Mileage plug 21				
			Tax				
			Discount				
			Total Charge				
X Signature <i>Randy Marks</i>							



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary, JR and Associates**

1515 Wynkoop st
Suite 700 Denver Co 80202

ATTN: Clayton Camozzi

Dumler Trust 1-33

33-15s-15w Russell KS

Start Date: 2012.04.21 @ 09:27:00

End Date: 2012.04.21 @ 16:49:00

Job Ticket #: 44780 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.25 @ 14:12:17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary, JR and Associates

33-15s-15w Russell KS

1515 Wynkoop st
Suite 700 Denver Co 80202

Dumler Trust 1-33

Job Ticket: 44780

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2012.04.21 @ 09:27:00

GENERAL INFORMATION:

Formation: **Lansing C-E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:28:30

Time Test Ended: 16:49:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

Unit No: 44

Interval: 3195.00 ft (KB) To 3242.00 ft (KB) (TVD)

Reference Elevations: 1929.00 ft (KB)

Total Depth: 3242.00 ft (KB) (TVD)

1919.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8321 Inside

Press@RunDepth: 81.61 psig @ 3232.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.21 End Date: 2012.04.21

Last Calib.: 2012.04.21

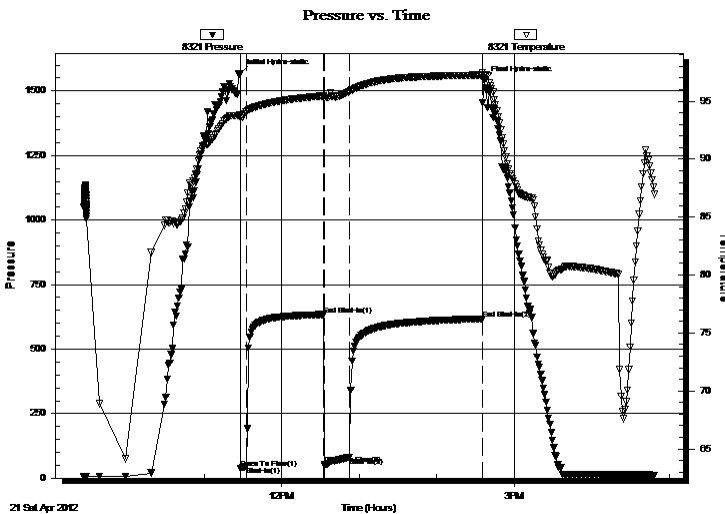
Start Time: 09:27:01 End Time: 16:49:00

Time On Btm: 2012.04.21 @ 11:28:00

Time Off Btm: 2012.04.21 @ 14:36:30

TEST COMMENT: IFP-5-min-Fair blow built to 4 in
ISI-60-min-Dead no blow back
FFP-20-min-Fair blow built to 10 in
FSI-90-min-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1568.10	93.83	Initial Hydro-static
1	37.00	93.56	Open To Flow (1)
5	45.73	94.10	Shut-In(1)
65	633.64	95.45	End Shut-In(1)
65	52.64	95.21	Open To Flow (2)
85	81.61	95.83	Shut-In(2)
187	617.40	97.25	End Shut-In(2)
189	1539.74	97.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	MW 40%M60%W	1.73

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary, JR and Associates

33-15s-15w Russell KS

1515 Wynkoop st
Suite 700 Denver Co 80202

Dumler Trust 1-33

Job Ticket: 44780

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2012.04.21 @ 09:27:00

Tool Information

Drill Pipe:	Length: 3195.00 ft	Diameter: 3.80 inches	Volume: 44.82 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 44.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3195.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	81.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8679	Fluid	3161.00	
Stubb	5.00			3166.00	
Shut In Tool	5.00			3171.00	
Sampler	2.00			3173.00	
Hydraulic tool	5.00			3178.00	
Jars	5.00			3183.00	
Safety Joint	3.00			3186.00	
Packer	4.00			3190.00	34.00 Bottom Of Top Packer
Packer	5.00			3195.00	
Stubb	1.00			3196.00	
Perforations	3.00			3199.00	
Change Over Sub	1.00			3200.00	
Drill Pipe	31.00			3231.00	
Change Over Sub	1.00			3232.00	
Recorder	0.00	8321	Inside	3232.00	
Recorder	0.00	8737	Outside	3232.00	
Perforations	7.00			3239.00	
Bullnose	3.00			3242.00	47.00 Bottom Packers & Anchor

Total Tool Length: 81.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary, JR and Associates

33-15s-15w Russell KS

1515 Wynkoop st
Suite 700 Denver Co 80202

Dumler Trust 1-33

Job Ticket: 44780

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2012.04.21 @ 09:27:00

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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 cm³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	MW 40%M60%W	1.725

Total Length: 123.00 ft Total Volume: 1.725 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1600 MI of total fluid 240 PSI

200 MI of water

1400 MI of mud

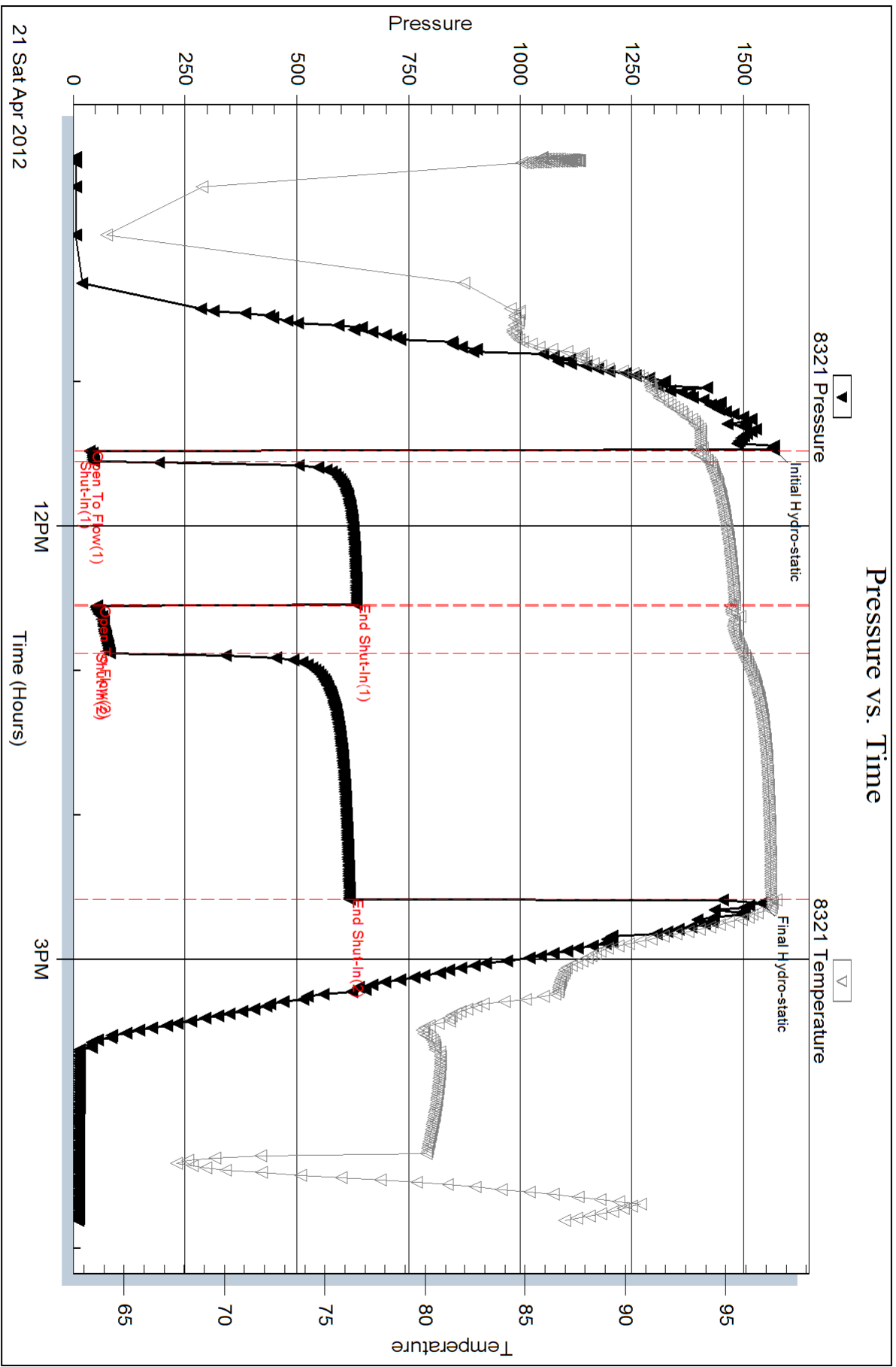
Serial #: 8321

Inside

Samuel Gary, JR and Associates

Dunbar Trust 1-33

DST Test Number: 1



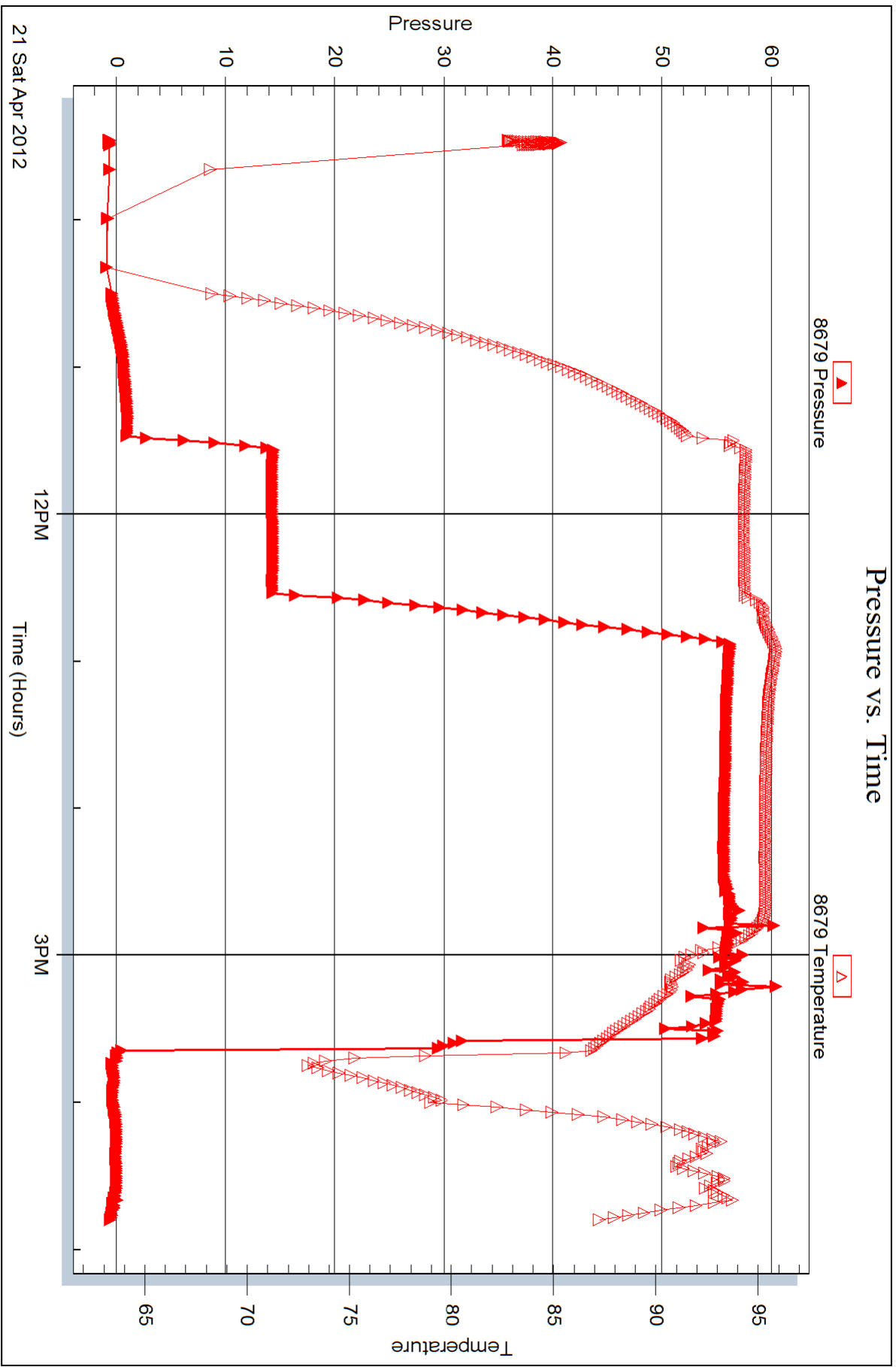
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Fluid

Samuel Gary, JR and Associates

Dumler Trust 1-33

DST Test Number: 1

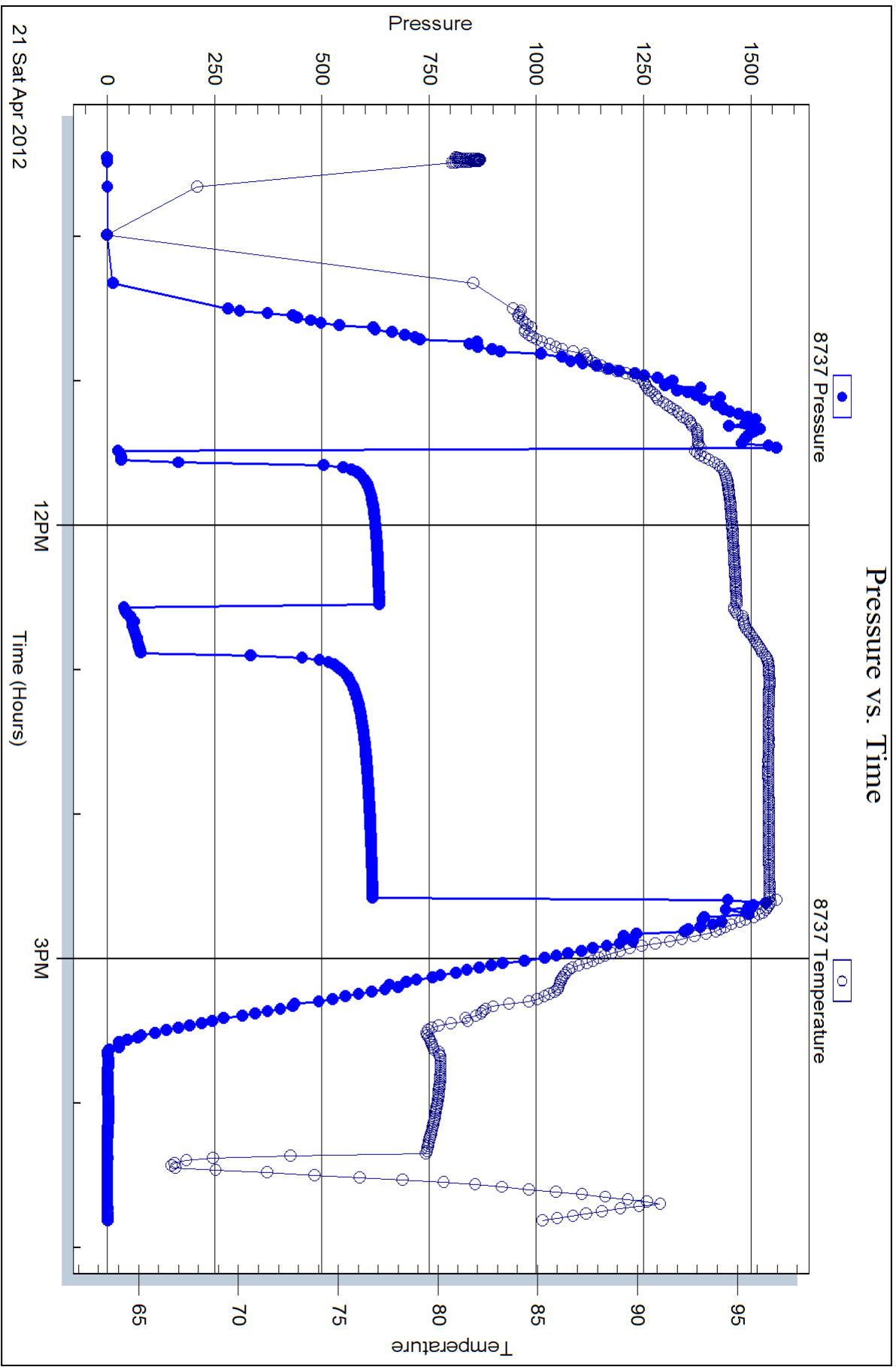


Serial #: 8737

Outside Samuel Gary, JR and Associates

Dunler Trust 1-33

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 44780

Printed: 2012.04.25 @ 14:12:19



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary, JR and Associates

33-15s-15w

1515 Wynkoop st
Suite 700 Denver Co 80202

Dumler Trust 1-33

ATTN: Clayton Camozzi

Job Ticket: 46316

DST#: 2

Test Start: 2012.04.22 @ 07:29:00

GENERAL INFORMATION:

Formation: **KC "I,J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:33:30
 Time Test Ended: 14:28:00
 Interval: **3330.00 ft (KB) To 3370.00 ft (KB) (TVD)**
 Total Depth: 3370.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Cody Bloedorn
 Unit No: 44
 Reference Elevations: 1929.00 ft (KB)
 1919.00 ft (CF)
 KB to GR/CF: 10.00 ft

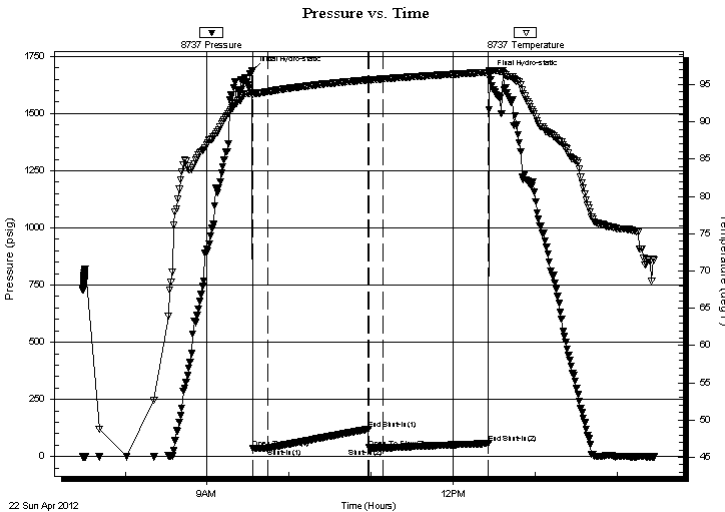
Serial #: 8737

Outside

Press @ Run Depth: 38.24 psig @ 3367.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.22 End Date: 2012.04.22 Last Calib.: 2012.04.22
 Start Time: 07:29:01 End Time: 14:28:00 Time On Btm: 2012.04.22 @ 09:33:00
 Time Off Btm: 2012.04.22 @ 12:27:00

TEST COMMENT: 10 - IFP- 1/4" blow
 75 - IS- No blow back
 10 - FF- No blow back
 75 - FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1687.43	93.93	Initial Hydro-static
1	35.51	93.69	Open To Flow (1)
12	37.26	94.04	Shut-In(1)
85	120.28	95.62	End Shut-In(1)
86	38.76	95.58	Open To Flow (2)
96	38.24	95.75	Shut-In(2)
173	57.70	96.63	End Shut-In(2)
174	1670.81	96.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud, 100%M	0.07

* 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, JR and Associates

33-15s-15w

1515 Wynkoop st
Suite 700 Denver Co 80202

Dumler Trust 1-33

Job Ticket: 46316

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2012.04.22 @ 07:29:00

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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud, 100%M	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

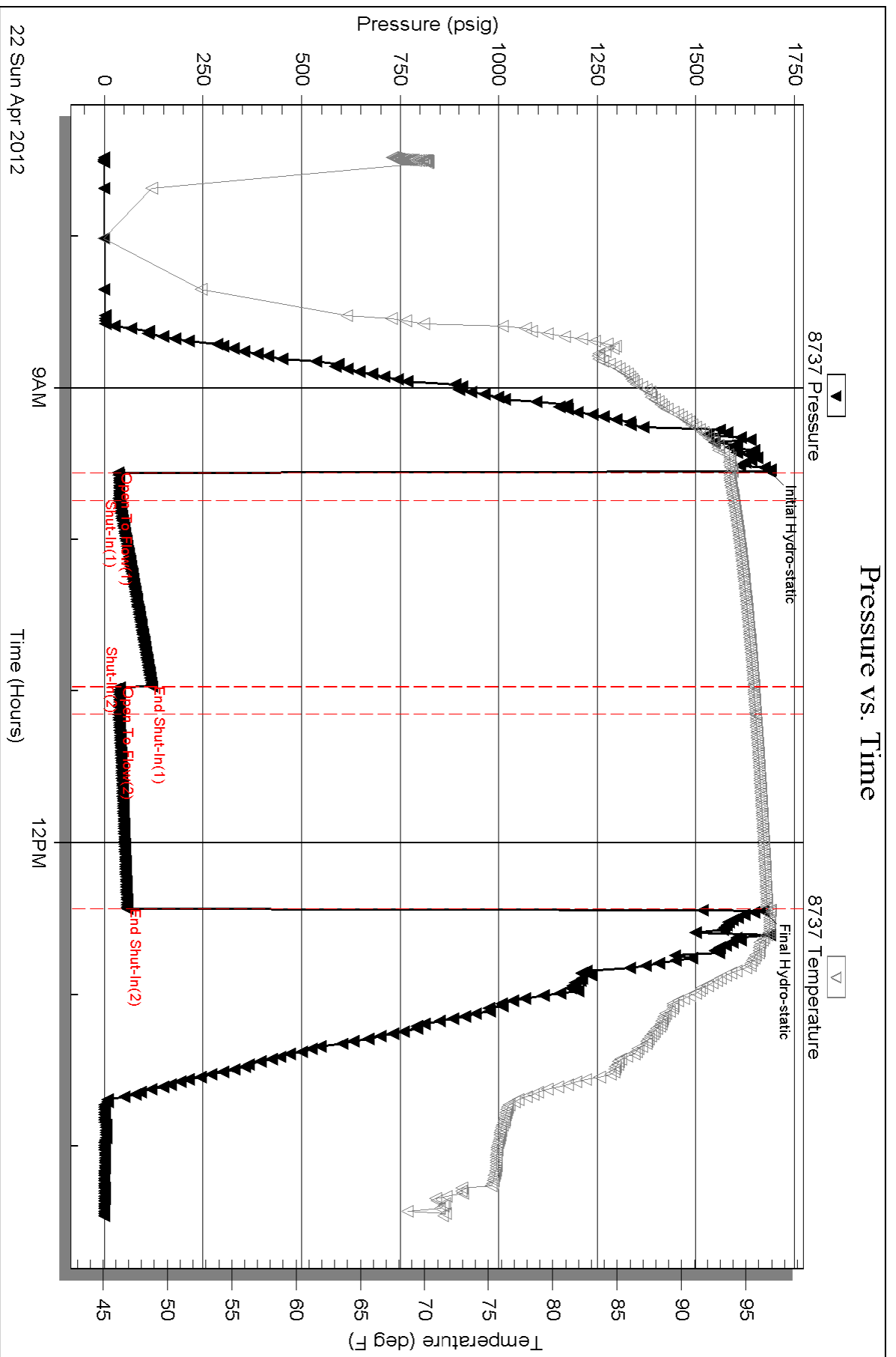
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



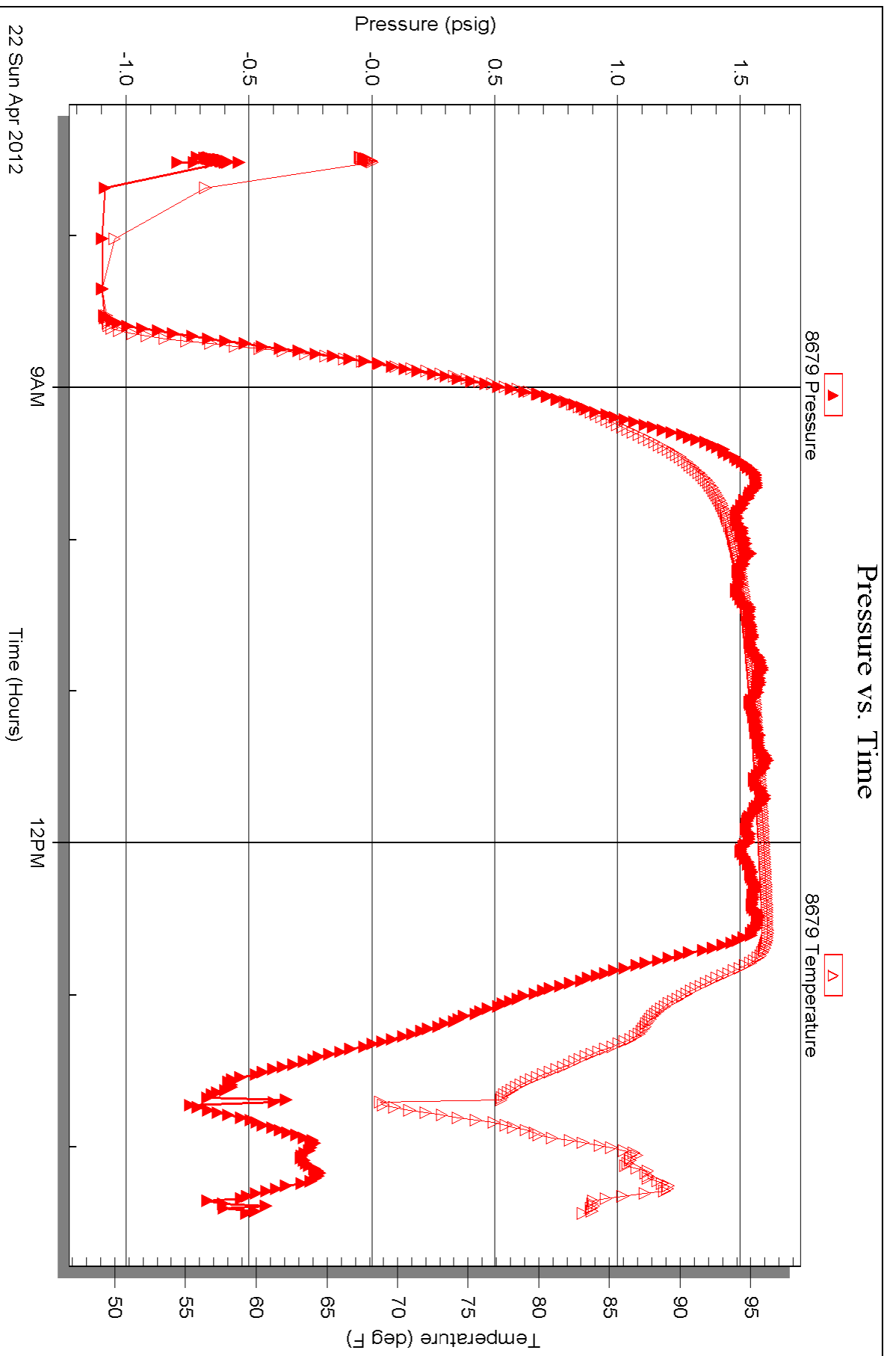
Serial #: 8679

Fluid

Samuel Gary, JR and Associates

Dunler Trust 1-33

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary, JR and Associates

33-15s-15w Russell KS

1515 Wynkoop st
Suite 700 Denver Co 80202

Dumler Trust 1-33

Job Ticket: 46317

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2012.04.23 @ 21:41:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:30:30

Time Test Ended: 04:25:00

Test Type: Conventional Straddle (Reset)

Tester: Cody Bloedorn

Unit No: 44

Interval: 3450.00 ft (KB) To 3460.00 ft (KB) (TVD)

Total Depth: 3550.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1929.00 ft (KB)

1919.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8321

Inside

Press @ Run Depth: 26.55 psig @ 3451.00 ft (KB)

Start Date: 2012.04.23

End Date:

2012.04.24

Start Time: 21:41:01

End Time:

04:25:00

Capacity: 8000.00 psig

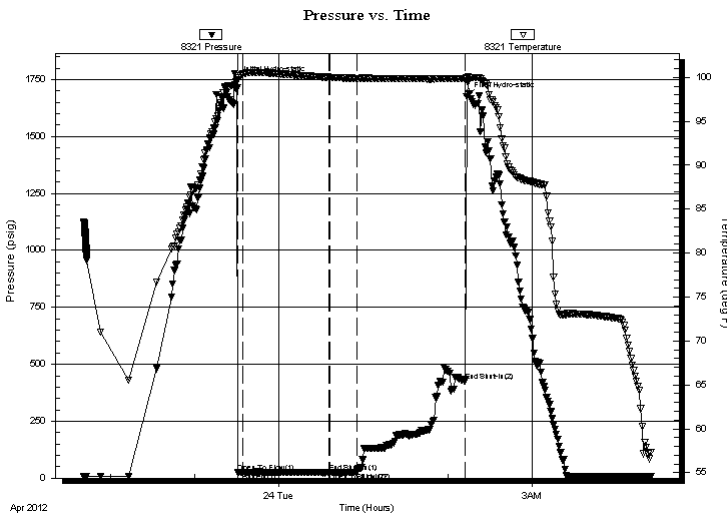
Last Calib.: 2012.04.24

Time On Btm: 2012.04.23 @ 23:30:00

Time Off Btm: 2012.04.24 @ 02:13:30

TEST COMMENT: 05 - IF- 1" blow
60 - IS- No blow back
20 - FF- No blow
75 - FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1747.34	98.70	Initial Hydro-static
1	25.99	98.84	Open To Flow (1)
5	25.97	100.42	Shut-In(1)
66	25.80	100.02	End Shut-In(1)
66	25.83	100.02	Open To Flow (2)
86	26.55	99.89	Shut-In(2)
163	427.18	99.87	End Shut-In(2)
164	1675.09	100.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud, 100%M	0.03

* 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, JR and Associates

33-15s-15w Russell KS

1515 Wynkoop st
Suite 700 Denver Co 80202

Dumler Trust 1-33

Job Ticket: 46317

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2012.04.23 @ 21:41:00

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: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud, 100%M	0.028

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

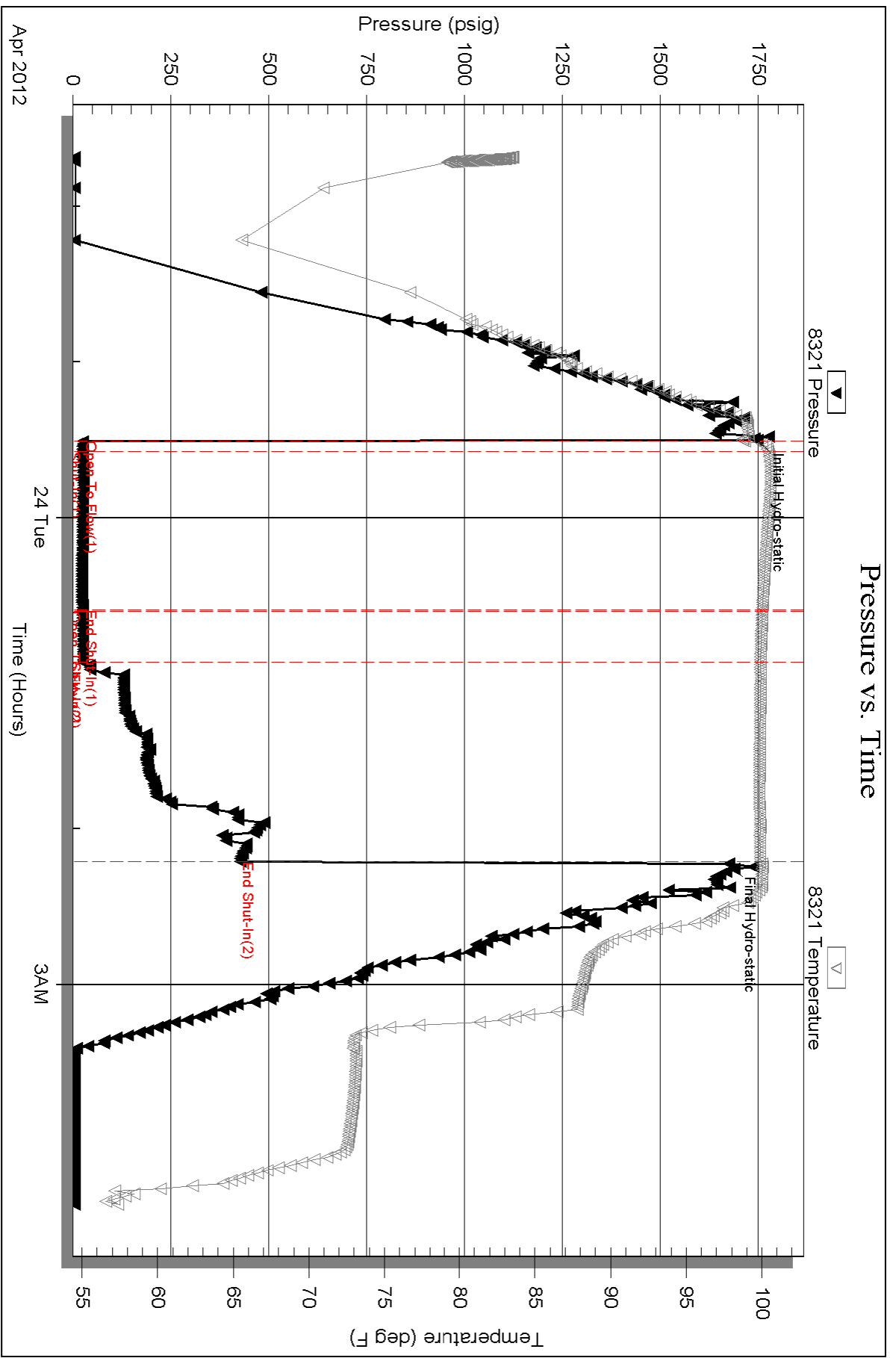
Serial #: 8321

Inside

Samuel Gary, JR and Associates

Dunbar Trust 1-33

DST Test Number: 3

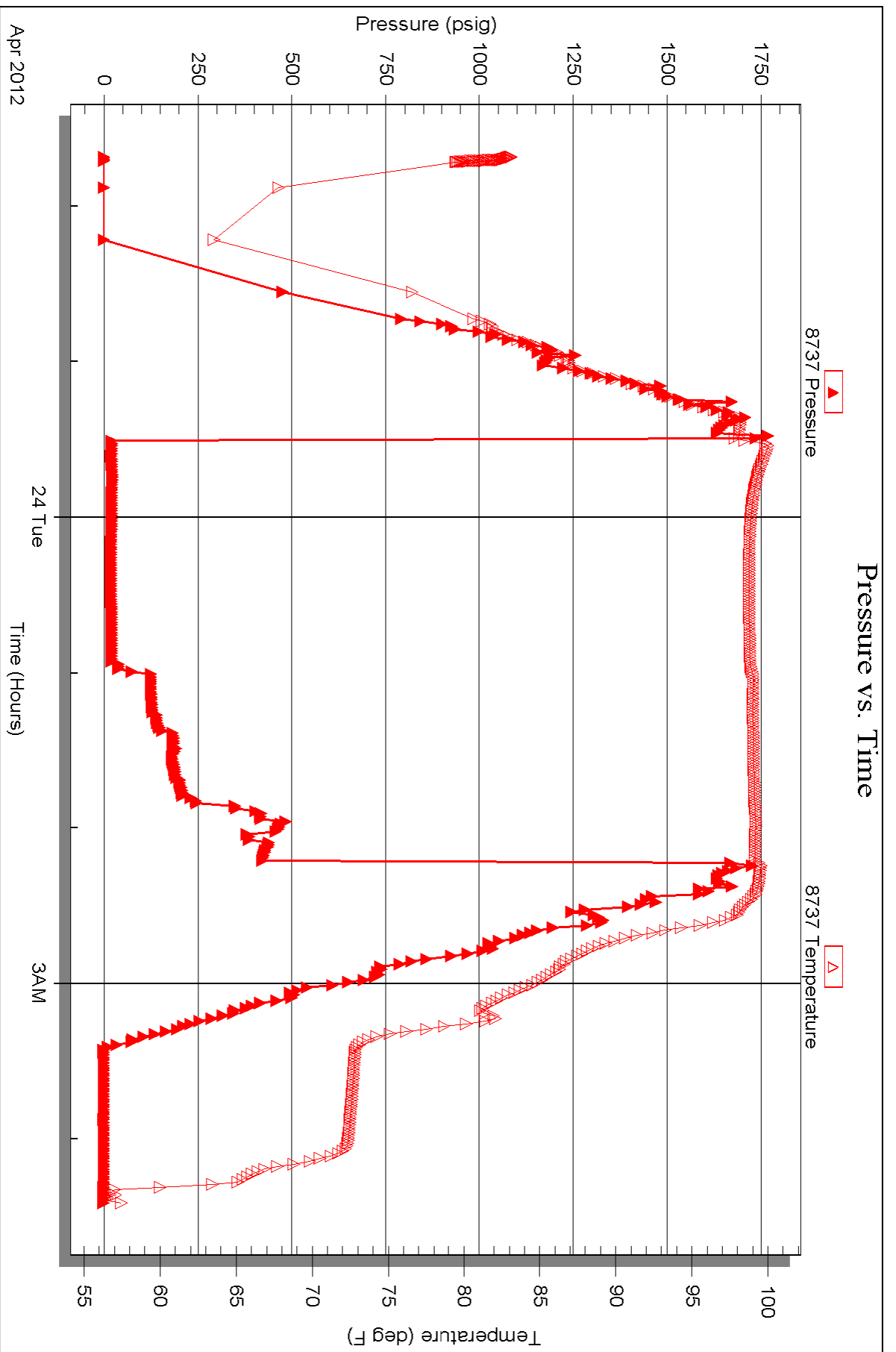


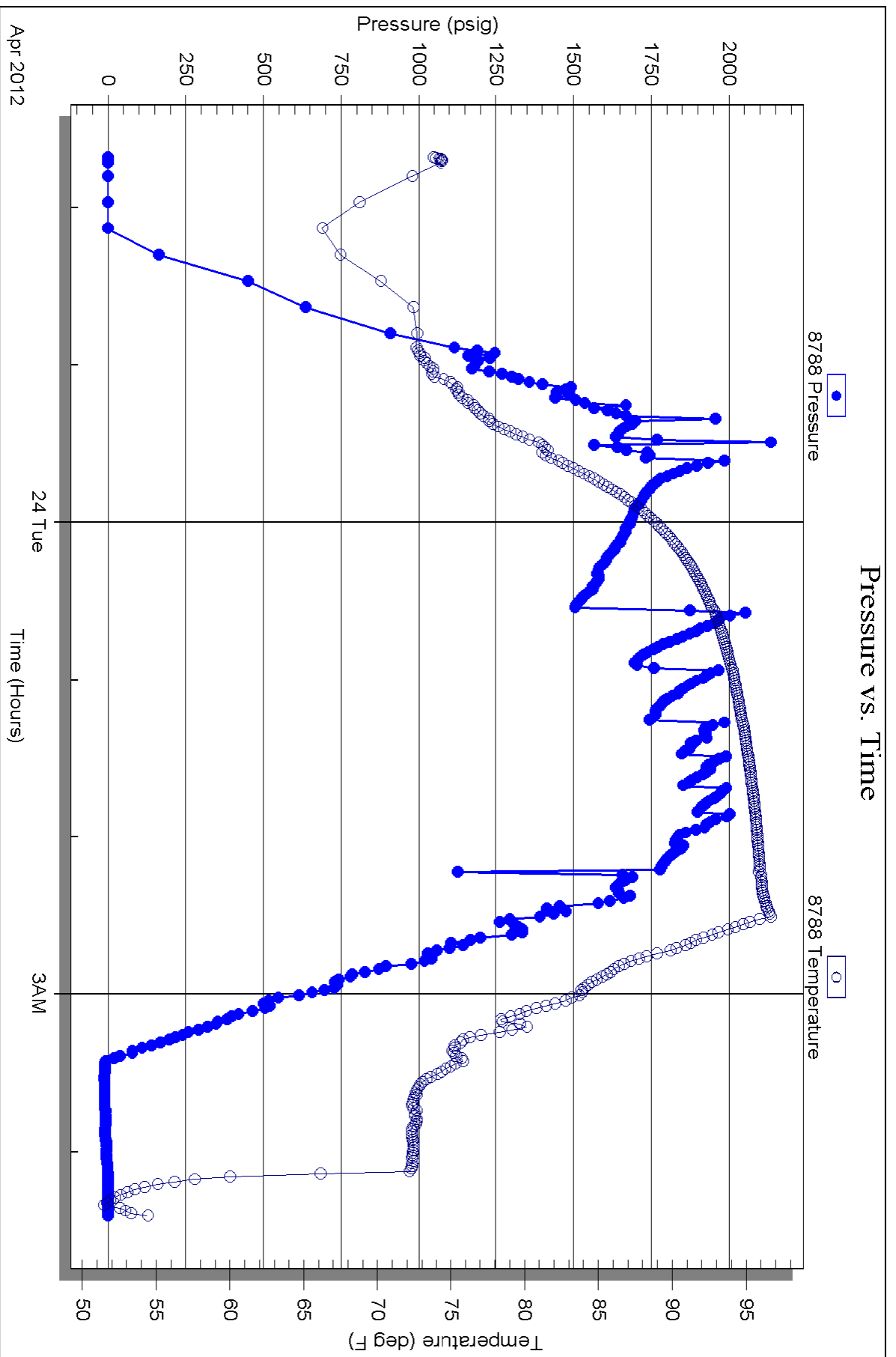
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Outside Samuel Gary, JR and Associates

Dunler Trust 1-33

DST Test Number: 3





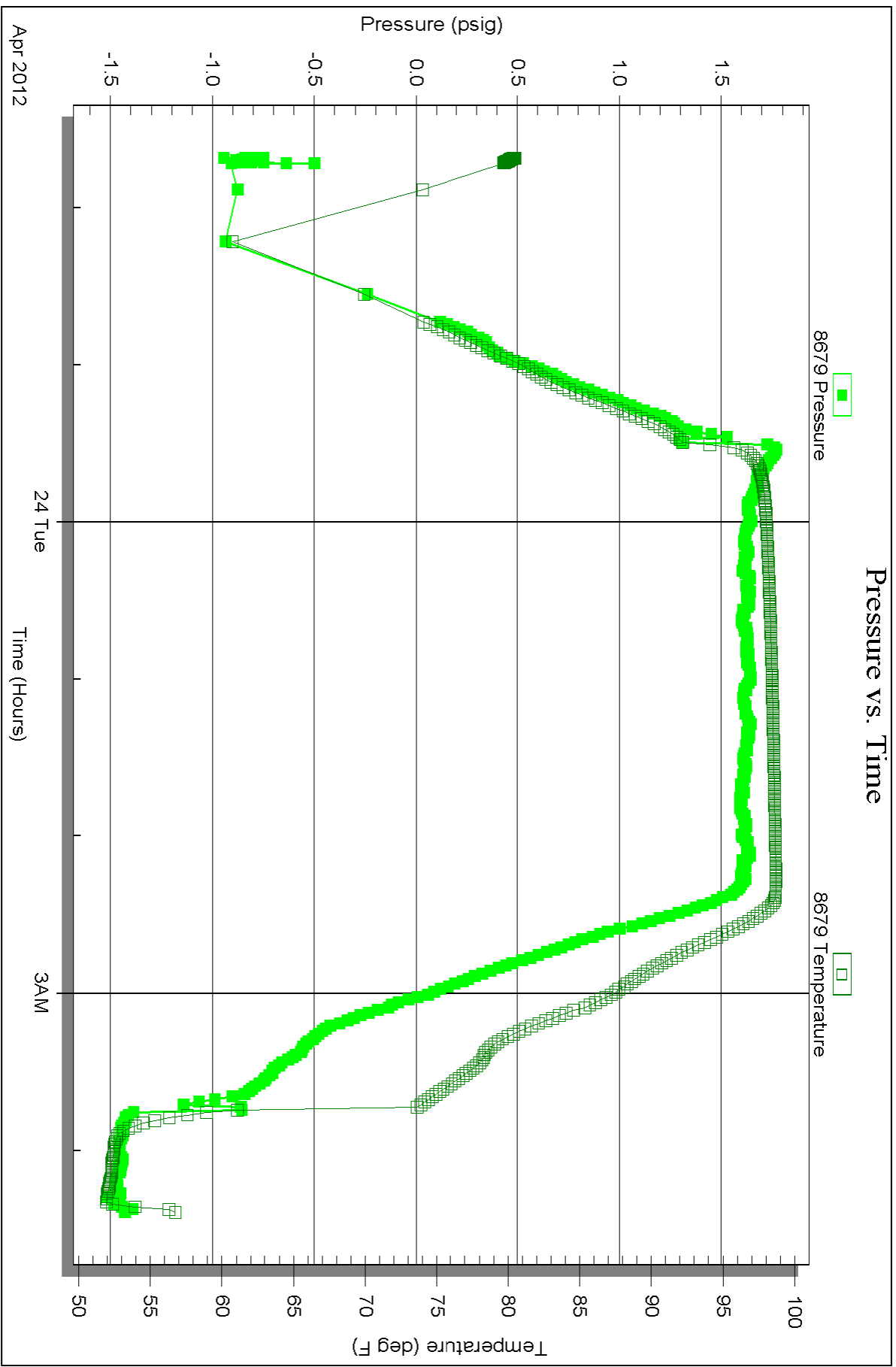
Serial #: 8679

Fluid

Samuel Gary, JR and Associates

Dunler Trust 1-33

DST Test Number: 3





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

Well Name: SGA DUMLER TRUST 1-33
 Location: SEC. 33 15S 15W RUSSELL CO., KANSAS
 License Number: 15-167-23788-0000
 Spud Date: 4/17/12
 Surface Coordinates: 2200' FSL/ 2310' FWL
 Region: WILDCAT
 Drilling Completed: 4/23/12
 Bottom Hole Coordinates:
 Ground Elevation (ft): 1919' K.B. Elevation (ft): 1929'
 Logged Interval (ft): 2850' To: 3550' Total Depth (ft): 3550'
 Formation: Lansing, Arbuckle
 Type of Drilling Fluid:

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

OPERATOR

Company: Samuel Gary Jr. & Assoc.
 Address: 1515 Wynkoop, Ste. # 700
 Denver, Colo. 80202
 Geo: CLAYTON CAMOZZI

GEOLOGIST

Name: Schuyler Hedrick & Aaron Suelter
 Company: Earth Tech OGL, Inc.
 Address: PO Box 683
 Hooker, Okla . 73945
 Off. 888-543-8378

DST's Report

DST# 1 3195'-3242' 5-60-20-90
 IF- FAIR BLOW BUILT TO 4", ISI- DEAD NO BLOW BACK, FF- FAIR BLOW BUILT TO 10", FSI- DEAD NO BLOW BACK
 IH- 1568, FH- 1540/ IF- 37 TO 46, FF- 53 TO 82/ ISI- 634, FSI- 617
 REC. 123' OF TF/ 123' MW 60% WATER, 40% MUD/ BHT-97, API RW- .106 @ 83 DEG. F., CHLOR.- 62,000 PPM



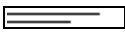

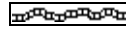



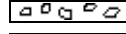



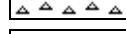

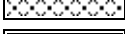
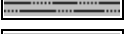

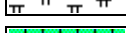
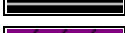
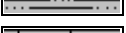



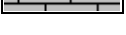

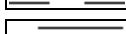


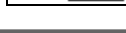

DST's Report

DST# 2 3330'-3370' 10-75-10-75
 IF- 1/4" BLOW, ISI- NO BLOW BACK, FF- NO BLOW BACK, FSI- NO BLOW BACK
 IH- 1687, FH- 1670/ IF- 35 TO 37, FF- 38 TO 38/ ISI- 120, FSI- 57
 REC. 5' OF TF/ 5' OF MUD 100% MUD/ BHT- 96, CHLOR.- 3300

DST's Report

DST# 3 3450'-3460' 5-60-20-75
 IF- 1" BLOW, ISI- NO BLW BACK, FF- NO BLW BACK, FSI- NO BLW BACK
 IH- 1747, FH-1675/ IF- 25 TO 25, FF- 25 TO 26/ ISI- 25, FSI- 427
 REC. 2' OF TF/ 2' OF MUD 100% MUD/ BHT- 99

ROCK TYPES

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

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Slty

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Slstrg
- Ssstrg
- Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Slstn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

- Angular

OIL SHOWS

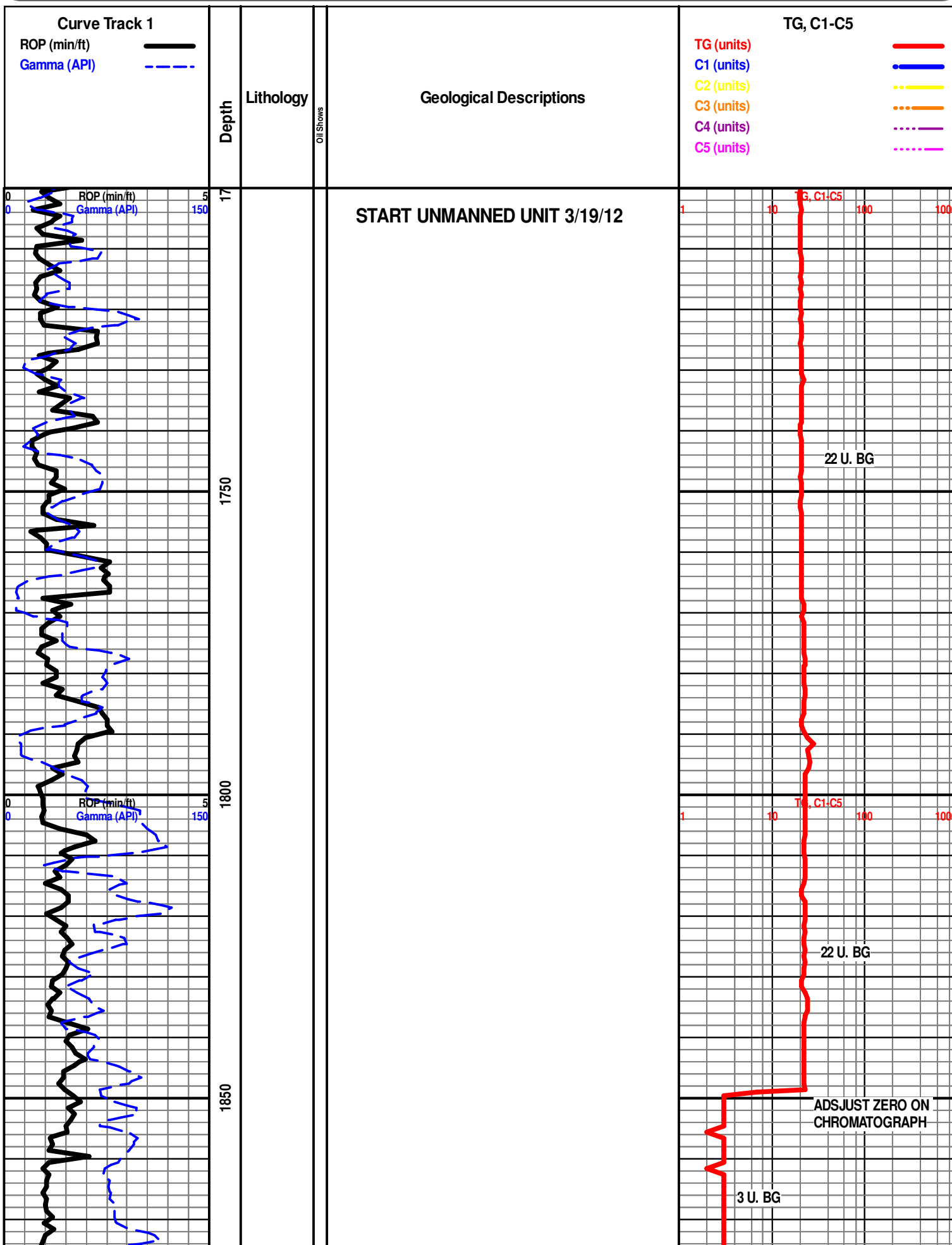
- Even
- Spotted
- Ques
- Dead
- Gas show

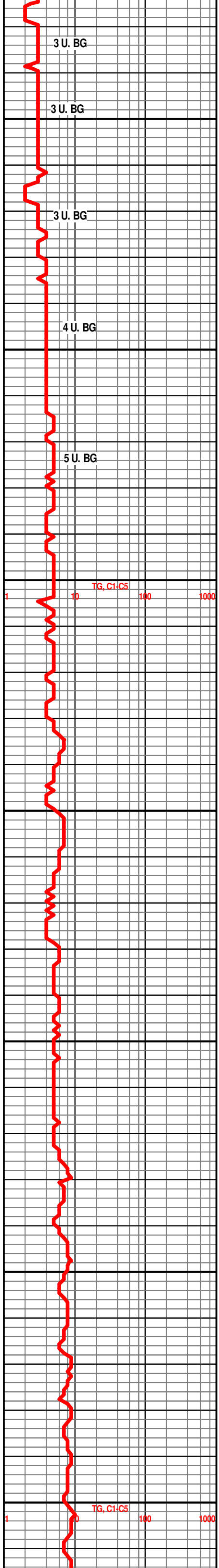
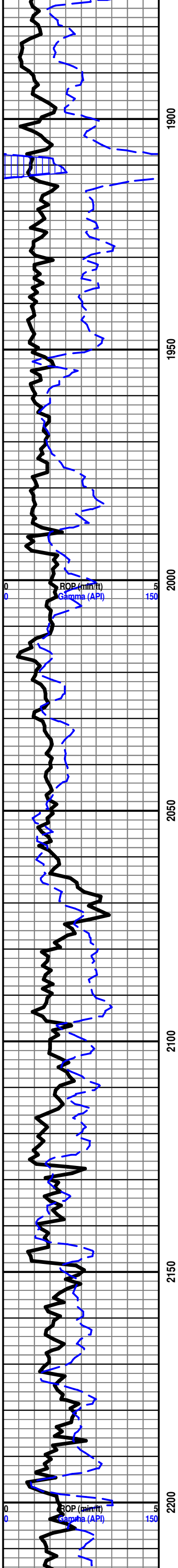
INTERVALS

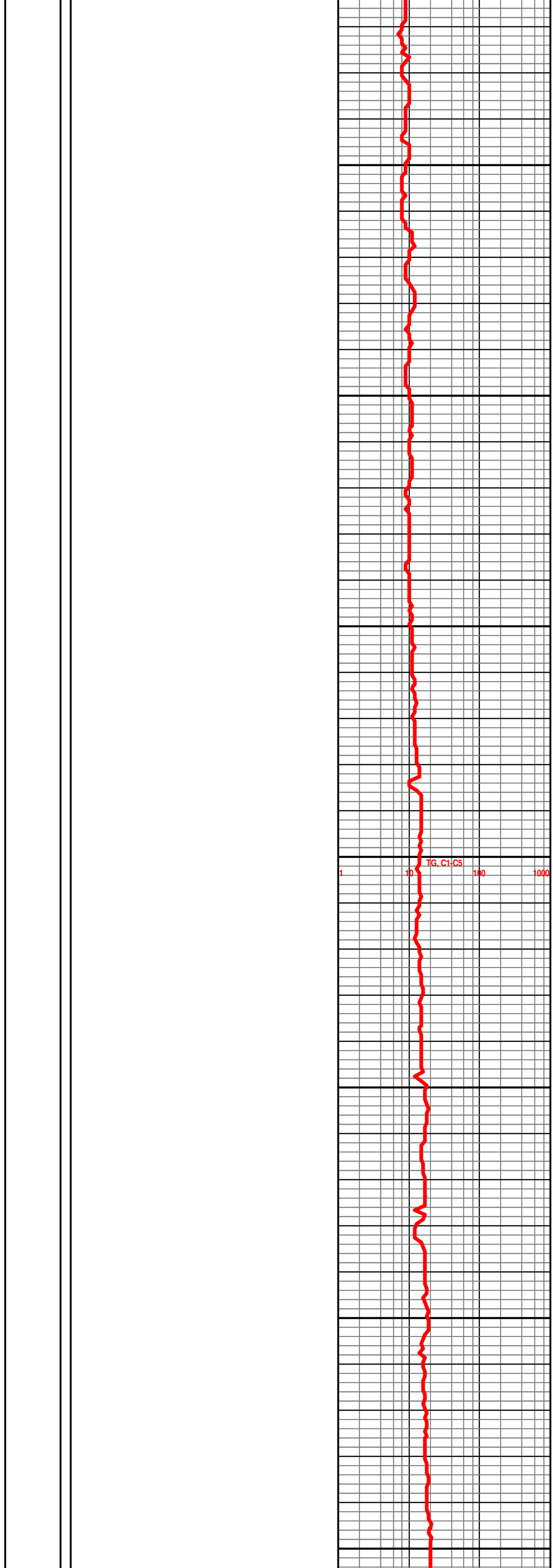
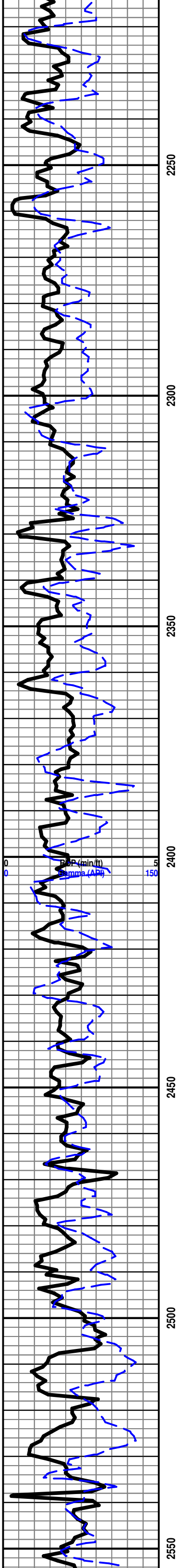
- Core
- Dst
- Dst

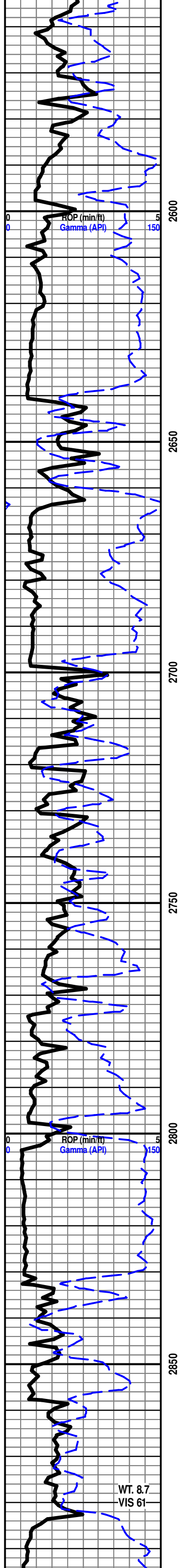
EVENTS

- Rft
- Sidewall









2600

2650

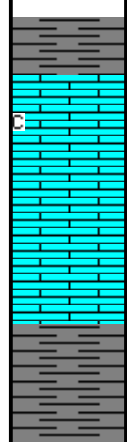
2700

2750

2800

2850

WT. 8.7
VIS 61



BRS 2641'-712'

MUD DISPLACEMENT

HOWARD 2831'-902'

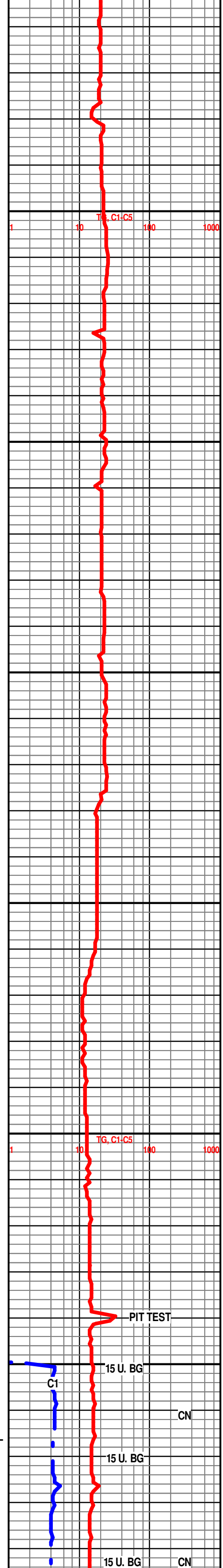
START 24 HR. MANNED UNIT 4/20/12

SH- DK GY TO LT GY, SFT TO V GMMY, SLTY TXT

LS- CRM TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN
RE-XLN IP, TRC IMBD SH, SL TRC IMBD CHLK IP, DUL YEL
MIN FLO IN 30%, NO VIS POR, NO VIS SHOW

SEVERY 2883'-954'

SH- LT GY TO LT GRN, SFT GMMY, SILTY TXT



PIT TEST

15 U. BG

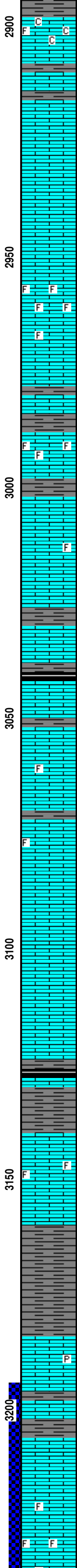
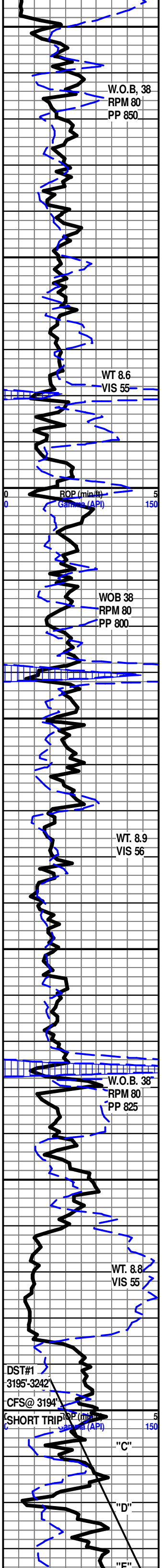
C1

CN

15 U. BG

15 U. BG

CN



TOPEKA 2898'-969'

LS- OFF WHT TO CRM TO LT GY, HD DNS TO BRIT, MD/F-XLN RE-XLN MTRX, ABTD IMB SFT WHT CHLK, TR IMB FOSS FRAGS IP, SLI TR CALC-XLS IP, SLI TR DISS PYR IP, DUL YEL FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

LS- CRM TO GY MOTT, HD DNS, MD-XLN RE-XLN MTRX, ABTD IMB SFT WHT CHLK, IMB CALC-XLS, TR IMB PYR IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- GY TO TN MOTT, HD DNS TO BRIT IP, F/MD-XLN RE-XLN MTRX, ABTD IMB LG FOSS FRAG, NO FLO, NO VIS POR, NO VIS SHOW

SH- DK GY, SFT & SMTH

LS- CRM TO LT TN GY IP, SFT TO V-BRIT, F/XLN RE-XLN MTRX, ABTD IMB FOSS FRAGS THRU, SLI TR IMB SFT WHT CHLK, SLI TR IMB CALC-XLS IP, DUL YEL MIN FLO IN 10%, NO VIS POR, NO VIS CUT OR SHOW

LE COMPTON 3002'-1073'

LS- DK TN TO GY, HD DNS, VF/F-XLN, RE-XLN IP, TR IMB FOSS FRAGS IP, SLI TR IMB CHLK, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- LT GY TO LT GRN, SFT SPLNTY, SMTH TXT

SH- BLCK SFT CARB

LS- CRM TO LT TN, HD DNS TO BRIT, F/MD-XLN RE-XLN MTRX, S-CHLKY, TR IMB FOSS FRAGS IP, BRT YEL MIN FLO IN 5%, NO VIS POR, NO VIS CUT OR SHOW

LS- CRM TO LT TN, HD DNS TO V-BRIT, F/MD-XLN RE-XLN MTRX, S-CHLKY, SLI TR IMB FOSS FRAGS, NO VIS FLO, NO VIS POR, NO VIS SHOW

3105'-3106' LS- OFF WHT TO DK TN DUE TO OIL STN SCAT IN 5%, HD DNS TO BRIT IP, RE-XLN IP, CHLKY MTRX, S-SUCRO IP, DUL YEL GLD IN 10%, NO VIS POR, PR FLSH CUT IN 20%, FR SLW STRM CUT IN 20%, V LT TN LCH ON DSH, NO OIL ODOR

HEEBNER 3126'-1197'

SH- BLCK SFT CARB

SH- DK GY TO LT GY, FRM TO SFT, SMTH TXT

LS- OFF WHT TO CRM, HD DNS TO V-BRIT, F/MD-XLN RE-XLN MTRX, S-CHLKY, SLI TR IMB FOSS FRAGS IP, SLI TR IMB CALC-XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

DOUGLAS 3161'-1232'

SH- LT GY TO RD BRWN, SFT TO V GMMY

LANSING 3186'-1257'

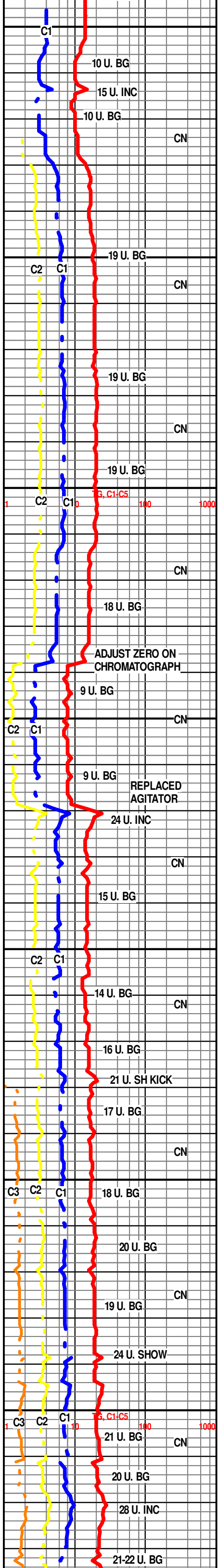
3189'-1890' LS-OFF WHT TO DRK TN DUE TO OIL STN SCAT IN 20% W/ LIVE OIL STN SCAT IN 10%, VHD DNS TO SLT TR BRIT IP, F XLN SUCRO MTRX S-CHLKY IP, DIS PYR SCAT IP, SLT TR WHT CHLK IP, DUL YEL GLD FLO IN 20%, TR SPTTD BRT YEL GLD FLO IP, PR TO TR FR MICRO VUG POR SCAT IN 15%, FR TO TR GD FLSH CUT IN 40%, FR TO GD SLW STRM CUT IN 50%, TN LCH STN ON DISH, NO OIL ODOR (ONE ROCK)

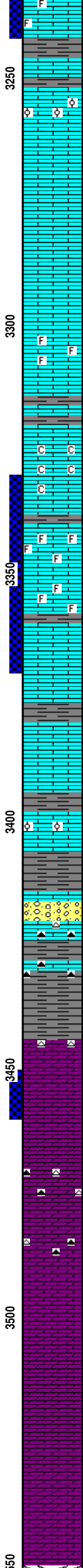
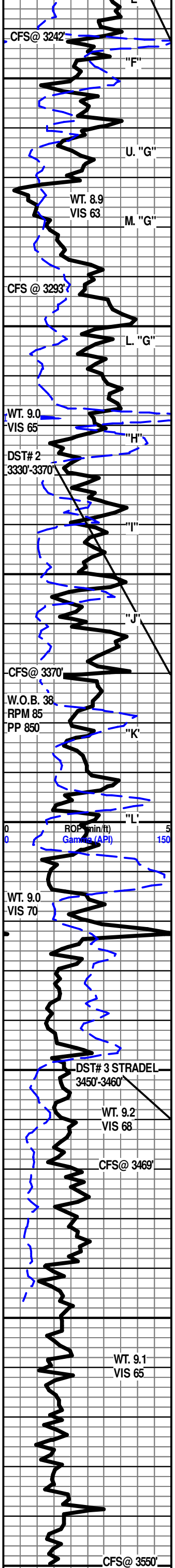
LANSING "C" 3206'-1277'

LS- CRM TO LT TN, HD DNS TO BRIT IP, F-XLN RE-XLN MTRX, SLI S-CHLKY IP, TR IMB CALC-XLS IP, SLI TR KAOL, NO VIS FLO, NO VIS POR, NO VIS SHOW

3209'-3211' LS- OFF WHT TO LT TN, W/ TN OIL STN IN 40%, HD DNS, MD/XLN RE-XLN, S-CHLKY THRU, IMB CALC-XLS THRU, TR IMB FOSS IP, DUL YEL GLD FLO IN 80%, BRT YEL GLD IN 20%, FR TO GD VUG POR IN 20%, V GD FLSH CUT THRU, GD SLW STRM CUT IN 30%, V LT TN LCH ON DSH, FR OIL ODOR

LS- CRM TO LT TN, HD DNS TO BRIT IP, VF/F-XLN RE-XLN MTRX, ABTD IMB FOSS FRAGS, SFT WHT CHLK, NO VIS FLO, NO VIS POR, NO VIS SHOW





LANSING "F" 3253'-1324'

3254'-3256' LS- OFF WHT TO DK TN DUE TO OIL STN IN 70%, HD DNS TO BRTT IP, MD-XLN RE-XLN, SUCRO IP, ABDT IMB OOLITES THRU, V-OOLITIC THRU, SLI TR IMB MD CALC-XLS IP, DUL YEL GLD FLO IN 80%, BRT YEL GLD IN 10%, PR INTER-OOLITIC SCAT IN 10%, GD FL SH CUT THRU, GD SLW STRM CUT IN 60%, TN LCH ON DSH, GD OIL ODOR

3269'-3270' LS- OFF WHT, W/ LT TN OIL STN IN 5%, HD DNS, VF/F-XLN, SLI SUCRO IP, SCAT SFT WHT CHLK, SLI TR IMB CALC-XLS IP, DUL YEL GLD FLO IN 30%, BRT YEL GLD IN IP, PR MICRO VUG POR IN 5%, V WK FL SH CUT, WK SLW STRM CUT IN 30%, V LT TN LCH ON DSH, NO OIL ODOR

3272'-3278' LS- OFF WHT TO CRM, HD DNS, F/XLN RE-XLN MTRX, S-SUCRO, V OOLMOLDIC, ABDT SCAT SFT WHT CHLK THRU, TR PYR IP, SLI TR OOLITES IP, SCAT DUL YEL IN 20%, PR TO FR OOL-MOLDIC POR IN 40%, NO FL SH, POSS SLI TR V WK SLW STRM CUT IP, NO LCH ON DSH, NO OIL ODOR

LS- OFF WHT CRM TO GY MOTT, HD DNS, VF/F-XLN RE-XLN MTRX, S-CHLKY IP, V FOSS, IMB LG CALC-XLS IP, NO FLO, NO VIS POR, NO VIS SHOW

LANSING "H" 3321'-1392'

LS- OFF WHT TO LT TN, MD HD DNS TO BRTT, V CHLKY MTRX, ABDT SFT TO GMMY WHT CHLK THRU, NO FLO, NO VIS POR, NO VIS SHOW

3348'-3350' LS- OFF WHT TO CRM, W/ TN TO DK TN OIL STN IN 50%, HD DNS, F/MD-XLN RE-XLN MTRX, S-SUCRO, S-CHLKY IP, V FOSS THRU, SCAT DIS PYR IP, DUL YEL GLD FLO IN 70%, BRT YEL GLD IN 20%, FR TO GD MICRO-VUG IN 15%, GD FL SH CUT THRU, GD SLW STRM CUT IN 20%, TN LCH ON DSH, FNT OIL ODOR

3358'-3359' LS- OFF WHT TO CRM, W/ TN OIL STN IN 30%, HD DNS TO BRTT IP, F/MD-XLN RE-XLN MTRX, S-SUCRO, ABDT IMB FOSS FRAGS, FREE FOSSIL IP, SLI TR IMB CALC-XLS IP, DUL YEL GLD FLO IN 80%, BRT YEL GLD FLO IN 10%, FR TO GD VUG POR IN 20%, POSS FRACT POR, GD FL SH CUT THRU, GD SLW STRM CUT IN 40%, TN LCH ON DSH, GD OIL ODOR

LS- OFF WHT TO CRM, V HD DNS, V/F TO CRYPTO-XLN, RE-XLN MTRX, SLI S-CHLKY, NO VIS FLO, NO VIS POR, NO VIS SHOW

3400'-3410' LS- OFF WHT TO CRM, LT TN DUE TO OIL STN IN 30%, HD DNS TO BRTT IP, F/MD-XLN RE-XLN MTRX, ABDT IMB OOLITES THRU, BRT YEL GLD FLO IN 50%, DUL YEL GLD IN 20%, NO FLO IN 30%, FR TO GD INTER-OOLITIC POR IN 20%, FR VUG POR IN 5%, WK FL SH CUT, FR SLW STRM IN 60%, V/LT TN LCH ON DSH, FNT OIL ODOR

BKC 3405'-1476'

CONG- LS- CRM BFF TO LT TN, MD HD DNS TO TR BRTT IP, F/VF-XLN MTRX, RE-XLN IP, S-CHLKY IP, ABDT MOTT CHRT THRU, IMB LT GRN SH, IMB WHT CHRT, TR SFT WHT CHLK IP, NO VIS FLO, NO VIS POR, NO VIS SHOW, A LOT OF GROUND UP ROCK IN SAMPLES

SH- RD TO DK RD, V SFT TO V GMMY THRU

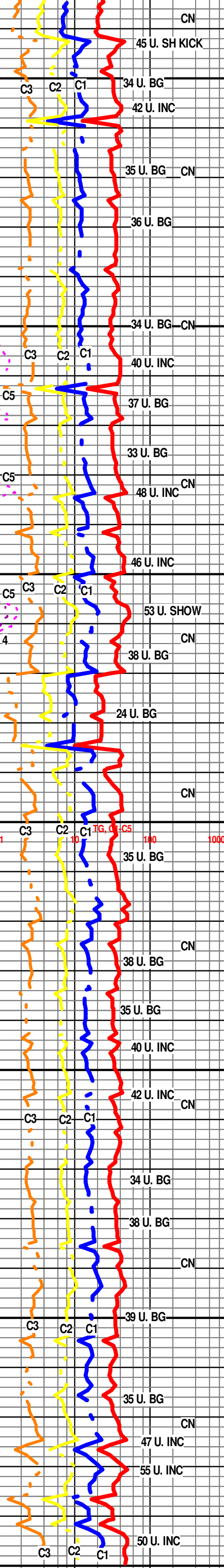
ARBUCKLE 3445'-1516'

3447'-3448' DOLO-DK TN TO BRWN W/DK TN OIL STN IN 50% W/ LIVE OIL STN IN 40%, HD DNS TO BRIT, MD TO F XLN RE-XLN MTRX, ABDT SML S-ANG TO RND DOLO GRNS THRU, SCAT SML S-ANG CLR QRTZ GRNS THRU, DUL YEL GLD FLO IN 80% BRT YEL GLD IN 20%, PR SCAT INTR GRN POR IN 10%, TR V/PR MICRO VUG POR IP, V/GD FL SH CUT THRU, V/GD SLW STRM MLKYBLU CUT IN 90%, DK TN LCH ON DSH, V/STRNG OIL ODOR

3456'-3458' DOLO-OFF WHT W/LIVE OIL STN SCAT IN 30% W/TN STN IN 20%, V/HD DNS, F XLN RE-XLN MTRX, TR S-CHLKY IP, ABDT IMB SML S-RND TO RND DOLO GRNS THRU, TR SFT WHT CHLK IP, DUL YEL GLD FLO IN 70%, SPTTD BRT YEL GLD FLO IP, V/PR SCAT INTR GRN POR IN 10%, GD FL SH CUT THRU, GD SLW STRM MLKYBLU CUT IN 80%, DK TN LCH ON DSH, STRNG OIL ODOR

3477'-3479' DOLO- OFF WHT TO CRM, W/ DK BRWN STN IN 30%, W/ LIVE OIL STN IN 10%, HD DNS TO BRTT IP, F-XLN RE-XLN MTRX, S-SUCRO, ABDT IMB SM TO MD S-ANG DOLO GRNS, ABDT IMB MD ANG QRTZ GRNS THRU, TR SFT WHT CHLK, DUL YEL GLD FLO IN 60%, TR SPTTD BRT YEL GLD FLO IP, PR TO FR INTER-GRN POR IN 30%, GD FL SH CUT IN 80%, GD SLW STRM IN 50%, TN LCH ON DSH, GD OIL ODOR, FREE OIL IN TRAY

3492'-3494' DOLO- WHT OFF WHT TO CRM, W/ TN OIL STN IN 15% (ON ONE FACES OF ROCK), W/ LIVE OIL STN IN 5% (ON ONE FACES), HD DNS TO BRTT, F/MD-XLN RE-XLN MTRX, S-SUCRO IP, SLI S-CHLKY IP, ABDT IMB MD ANG DOLO GRNS, SLI TR IMB PYR IP, DUL YEL GLD FLO IN 50%, SPTTD BRT YEL GLD IP, PR INTER-GRN POR IN 5%, POSS FRACT POR, FR FL SH CUT THRU, FR SLW STRM CUT IN 40%, LT TN LCH ON DSH, GD OIL ODOR, TR FREE FLOATING OIL IN TRAY



R.T.D. @ 3550'
C.T.C.H. 2 HRS.

R.T.D. @ 2:00 A.M. 4/23/12

DROP SURVEY
T.O.F.L. @ 4:00 A.M.
WEATHERFORD/ LIBERAL, KS

R.T.D. @ 3550'

SAMPLES WILL BE DELIVERED TO KGS
THANK YOU FOR CHOOSING EARTH TECH
SCHUIJER HEDDICK & AARON SHELTER

