



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1090755
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: _____

1090755

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	D.J. 1-32
Doc ID	1090755

All Electric Logs Run

DIL
MICRO
POR
SONIC

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 15, 2012

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

Re: ACO1
API 15-167-23795-00-00
D.J. 1-32
SW/4 Sec.32-15S-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: 4/29/2012
 Invoice # 402

P.O.#:
 Due Date: 5/29/2012
 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:
 D J 1-32

Description of Work:
 LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 977.42	No	8 5/8" Centralizer	1	\$68.51	Yes
Common-Class A	300	\$ 3,917.75	Yes				
8 5/8" Basket	2	\$ 676.51	Yes				
Bulk Truck Matl-Material Service Charge	317	\$ 678.65	No				
Calcium Chloride	11	\$ 443.43	Yes				
Pump Truck Mileage-Job to Nearest Camp	21	\$ 224.34	No				
Flo Seal	75	\$ 160.56	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	21	\$ 131.28	No				
8 5/8" Top Rubber Plug	1	\$ 113.46	Yes				
Premium Gel (Bentonite)	6	\$ 104.56	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 96.34	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 7,592.81
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,138.92)

SubTotal for Taxable Items:	\$ 4,743.95
SubTotal for Non-Taxable Items:	\$ 1,709.93
Total:	\$ 6,453.89
Tax:	\$ 393.75

8.30% Russell County Sales Tax

Amount Due: \$ 6,847.63

Applied Payments:

Balance Due: \$ 6,847.63

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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RECEIVED
 MAY 04 2012
 SAMUEL GARY JR.
 & ASSOCIATES, INC.

Account #	8200.138
Well/Prospect	
Deck	
A/E	
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. 402

Date	4-26-12	Sec.	32	Twp.	15	Range	15	County	Russell	State	Ks	On Location		Finish	10:15
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Lease	D.S.	Well No.	1-32	Location	Sam Gary Jr + Associates										
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Contractor	Wal Energy #6							Owner	Gurham, Ks - S to C.L., NE, N/Into							
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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.							
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Hole Size	12 1/4"		T.D.	736'			Charge To	Sam Gary Jr + Associates							
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Csg.	8 5/8"		Depth	736'			Street								
------	--------	--	-------	------	--	--	--------	--	--	--	--	--	--	--	--

Tbg. Size			Depth				City	State							
-----------	--	--	-------	--	--	--	------	-------	--	--	--	--	--	--	--

Tool			Depth				The above was done to satisfaction and supervision of owner agent or contractor.								
------	--	--	-------	--	--	--	--	--	--	--	--	--	--	--	--

Cement Left in Csg.	42.40'		Shoe Joint	42.40'			Cement Amount Ordered	300 sx Common 3 1/2 cc 2 1/2 gel							
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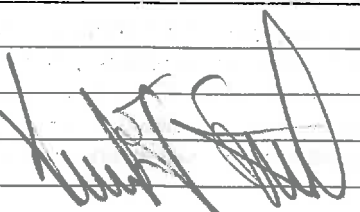
Meas Line			Displace	44 B.S											
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EQUIPMENT							1/4# F.S.								
Pumptrk	9	No.	Cementer Helper	Matt			Common	300							
Bulktrk	12	No.	Driver	Doug			Poz. Mix								
Bulktrk	p.u.	No.	Driver	Rick			Gel.	6							

JOB SERVICES & REMARKS							Calcium 11								
Remarks:	Cement did Circulate.						Hulls								
Rat Hole							Salt								
Mouse Hole							Flowseal	75#							
Centralizers	1, 11						Kol-Seal								
Baskets	2, 12						Mud CLR 48								
D/V or Port Collar							CFL-117 or CD110 CAF 38								
							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	Long Surface							
							Mileage	21							

							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: 5/5/2012
 Invoice # 344

P.O.#:

Due Date: 6/4/2012

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:
 D J 1-32

Description of Work:
 PLUG JOB

RECEIVED

MAY 10 2012

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

COMP W/O LOE GG
 Account: 8200.145
 Well Prospect:
 Deck:
 AFE: 
 Approval:
 Description:

Services / Items Included:

	Quantity	Price	Taxable
Labor		\$ 1,005.76	Yes
Common-Class A	138	\$ 1,854.40	Yes
Bulk Truck Mat-Material Service Charge	238	\$ 524.29	Yes
POZ Mix-Standard	92	\$ 466.13	Yes
Pump Truck Mileage-Job to Nearest Camp	21	\$ 230.84	Yes
Premium Gel (Bentonite)	8	\$ 143.45	Yes
Bulk Truck Mileage-Job to Nearest Bulk Plant	21	\$ 135.08	Yes
Dry Hole Plug	1	\$ 61.68	Yes

Item	Quantity	Price	Taxable
------	----------	-------	---------

Invoice Terms:

Net 30

SubTotal: \$ 4,421.64
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (663.25)

SubTotal for Taxable Items:	\$ 3,758.39
SubTotal for Non-Taxable Items:	\$ -
Total:	\$ 3,758.39
Tax:	\$ 311.95

8.30% Russell County Sales Tax

Thank You For Your Business!

Amount Due: \$ 4,070.34
Applied Payments:
Balance Due: \$ 4,070.34

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. 344

Date	5-1-12	Sec.	32	Twp.	15	Range	15	County	Russell	State	KS	On Location		Finish	11:15 A.M.
Lease	DJ	Well No.	132		Location Garham S 40 line 1 E N into										

Contractor	Val #6	Owner	To Quality Oilwell Cementing, Inc.
Type Job	Rotary Plug	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.	3590
Csg.		Depth	
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.		Shoe Joint	
Meas Line		Displace	
		Charge To Sam Gary Jr & Assoc.	
		Street	
		City	
		State	
		The above was done to satisfaction and supervision of owner agent or contractor.	
		Cement Amount Ordered 230 60/40 40/60 1	

EQUIPMENT

Pumptrk	15	No.	Cementer	Craig	Common	138
			Helper			
Bulktrk		No.	Driver	Paul	Poz. Mix	92
			Driver			
Bulktrk	8	No.	Driver	Doug	Gel.	8
			Driver			

JOB SERVICES & REMARKS

Remarks:		Calcium	
Rat Hole	30	Hulls	
Mouse Hole	15	Salt	
Centralizers		Flowseal	50#
Baskets		Kol-Seal	
D/V or Port Collar		Mud CLR 48	
1st	3463	CFL-117 or CD110 CAF 38	
2nd	1105	Sand	
3rd	786	Handling	238
4th	450	Mileage	
5th	40		

FLOAT EQUIPMENT

		Guide Shoe	
		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	

Pumptrk Charge Plug
Mileage 21

Tax
Discount
Total Charge

X Signature Randy Smart



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. & Associates**

1515 Wynkoop
Suite 700
Denver, CO 80202

ATTN: Clayton Camozzi

DJ #1-32

32-15s-15w Russell,KS

Start Date: 2012.04.29 @ 15:09:12

End Date: 2012.04.29 @ 21:25:27

Job Ticket #: 47280 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.05.03 @ 14:55:21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

32-15s-15w Russell, KS

1515 Wynkoop
Suite 700
Denver, CO 80202
ATTN: Clayton Camozzi

DJ #1-32

Job Ticket: 47280

DST#: 1

Test Start: 2012.04.29 @ 15:09:12

GENERAL INFORMATION:

Formation: **C-D**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 16:38:57

Time Test Ended: 21:25:27

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: 3206.00 ft (KB) To 3250.00 ft (KB) (TVD)

Total Depth: 3250.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1918.00 ft (KB)

1908.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8366

Inside

Press @ Run Depth: 20.23 psig @ 3242.00 ft (KB)

Start Date: 2012.04.29

End Date:

2012.04.29

Start Time: 15:09:14

End Time:

21:25:27

Capacity: 8000.00 psig

Last Calib.: 2012.04.29

Time On Btm: 2012.04.29 @ 16:38:12

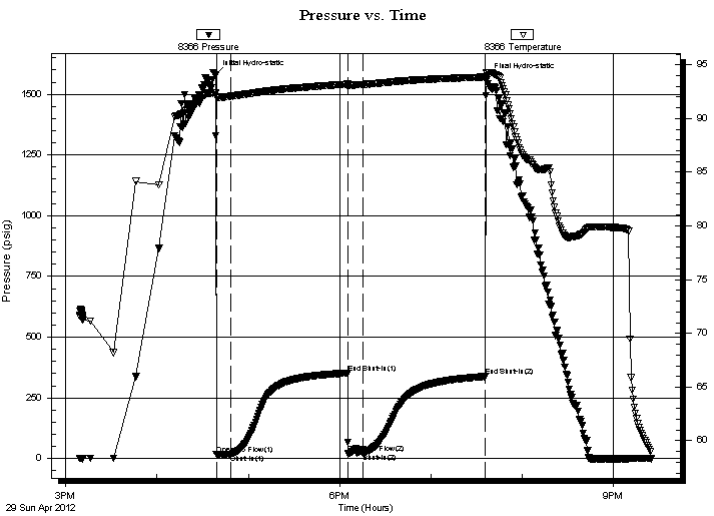
Time Off Btm: 2012.04.29 @ 19:36:42

TEST COMMENT: 10-IFP-Weak Surface Blow, Died in 5 Min.

75-ISI-Dead

10-FFP-Dead

FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1579.61	92.42	Initial Hydro-static
1	16.51	91.97	Open To Flow (1)
11	18.21	92.07	Shut-In(1)
87	351.79	93.19	End Shut-In(1)
88	19.44	93.06	Open To Flow (2)
98	20.23	93.16	Shut-In(2)
178	337.53	93.86	End Shut-In(2)
179	1569.24	94.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
6.00	Drilling Mud	0.08

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. & Associates

32-15s-15w Russell, KS

1515 Wynkoop
Suite 700
Denver, CO 80202
ATTN: Clayton Camozzi

DJ #1-32

Job Ticket: 47280

DST#: 1

Test Start: 2012.04.29 @ 15:09:12

Tool Information

Drill Pipe:	Length: 3196.00 ft	Diameter: 3.80 inches	Volume: 44.83 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 44.83 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3206.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8289	Fluid	3171.00	
Change Over Sub	5.00			3176.00	
Shut In Tool	5.00			3181.00	
Sampler	3.00			3184.00	
Hydraulic tool	5.00			3189.00	
Jars	5.00			3194.00	
Safety Joint	2.00			3196.00	
Packer	5.00			3201.00	35.00 Bottom Of Top Packer
Packer	5.00			3206.00	
Stubb	1.00			3207.00	
Perforations	2.00			3209.00	
Change Over Sub	1.00			3210.00	
Blank Spacing	31.00			3241.00	
Change Over Sub	1.00			3242.00	
Recorder	0.00	8366	Inside	3242.00	
Recorder	0.00	8789	Outside	3242.00	
Perforations	5.00			3247.00	
Bullnose	3.00			3250.00	44.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates

32-15s-15w Russell, KS

1515 Wynkoop
Suite 700
Denver, CO 80202
ATTN: Clayton Camozzi

DJ #1-32

Job Ticket: 47280

DST#: 1

Test Start: 2012.04.29 @ 15:09:12

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 8.38 in³

Resistivity: ohm.m

Salinity: 5100.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	Drilling Mud	0.084

Total Length: 6.00 ft Total Volume: 0.084 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

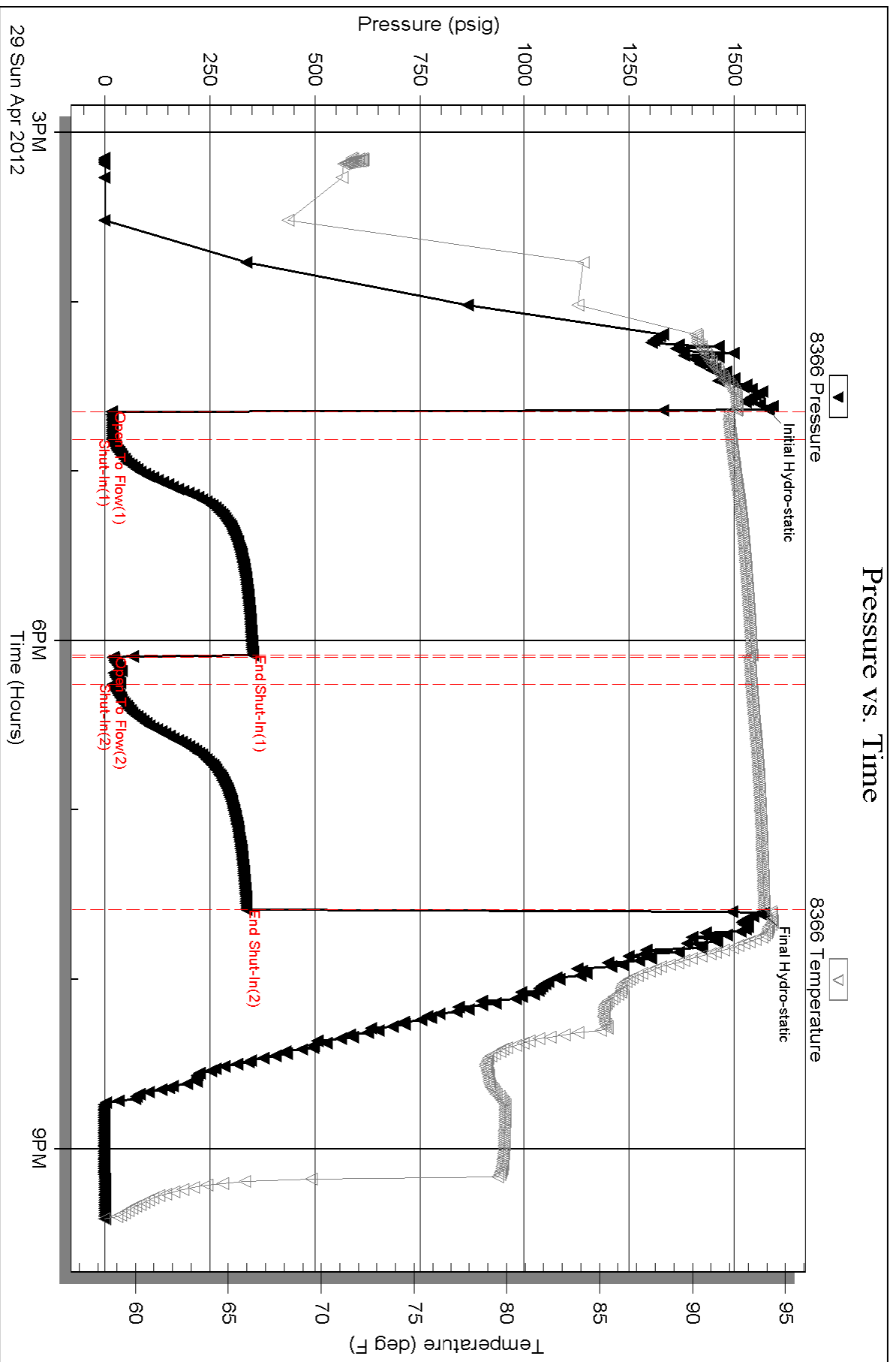
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler-10#, 3000ml Mud

Pressure vs. Time

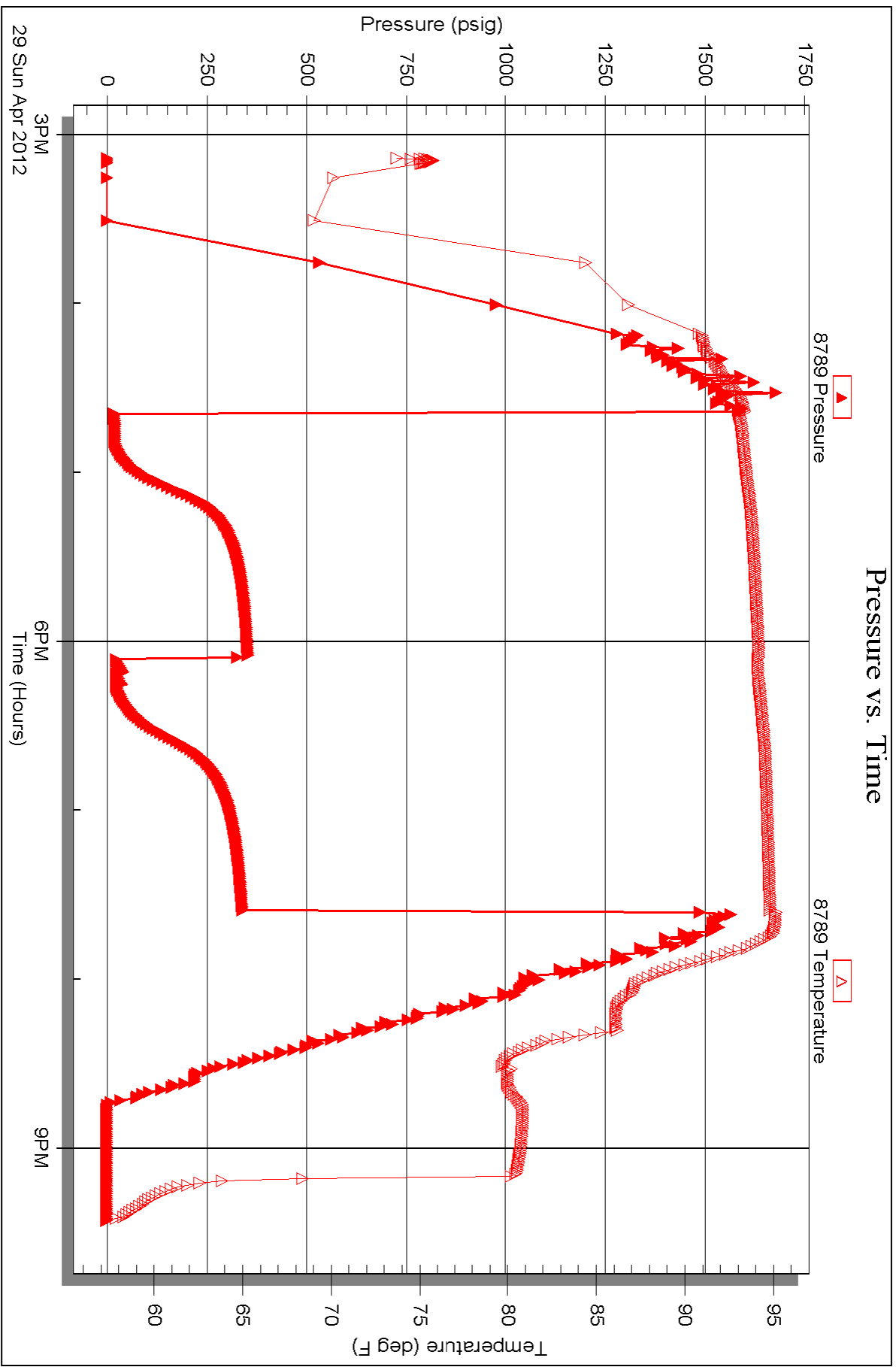


Serial #: 8789

Outside Samuel Gary Jr. & Associates

DJ #1-32

DST Test Number: 1



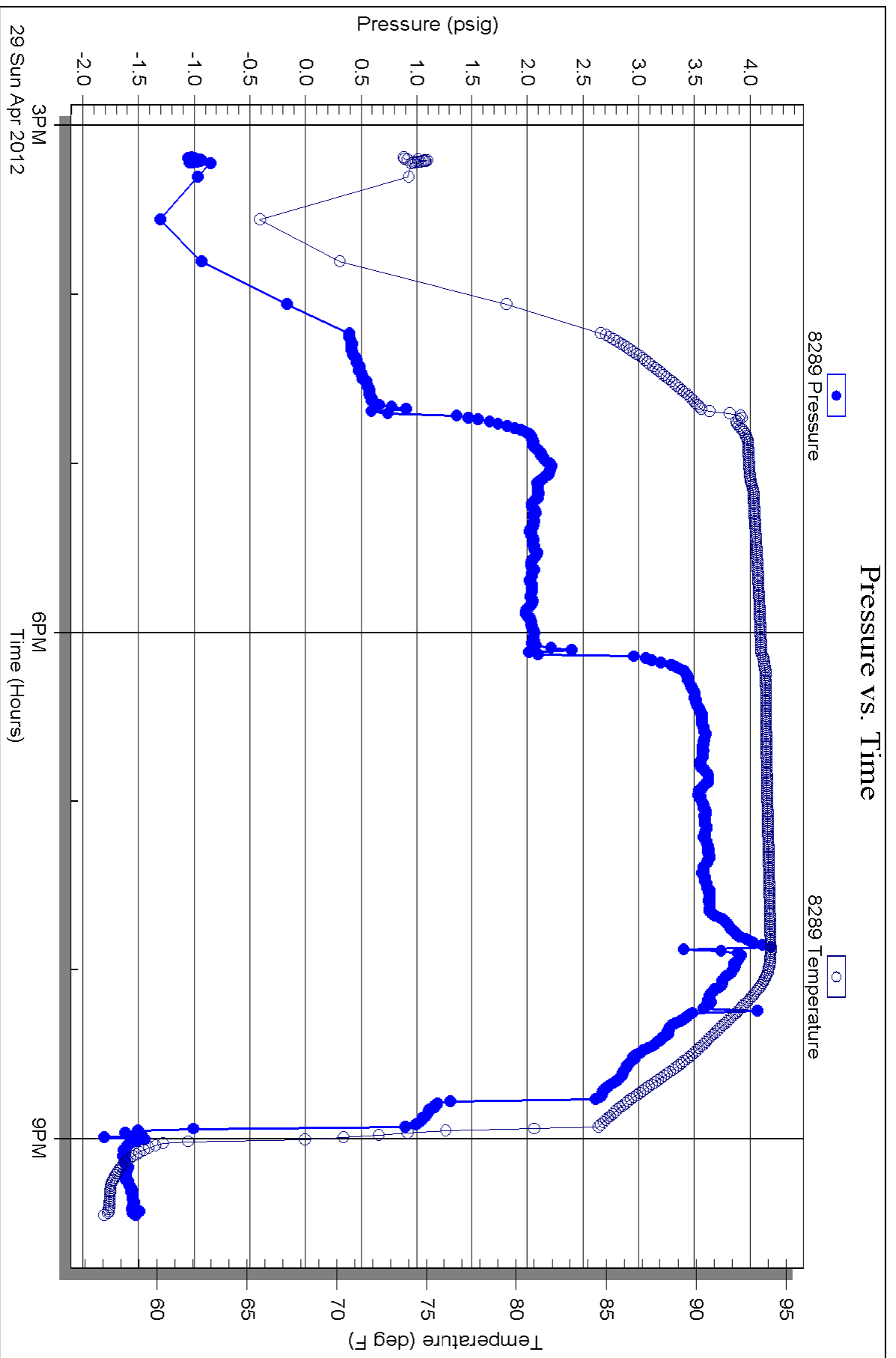
Serial #: 8289

Fluid

Samuel Gary Jr. & Associates

DJ #1-32

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601 BY: _____

RECEIVED
MAY 03 2012

Test Ticket

NO. 47280

Well Name & No. DJ # 1-32 Test No. 1 Date 4-29-12
 Company Samuel Gary Jr. and Associates Elevation 1918 KB 1908 GL
 Address 1515 Wynkoop, Suite 700, Denver, CO. 80202
 Co. Rep/Geo. Clayton Camuzzi Rig Val #6
 Location: Sec. 32 Twp. 15s Rge. 15w Co. Russell State KS

Interval Tested 3206-3250 Zone Tested C-D
 Anchor Length 44' Drill Pipe Run 3196 Mud Wt. 9.0
 Top Packer Depth 3201 Drill Collars Run 0 Vis 57
 Bottom Packer Depth 3206 Wt. Pipe Run 0 WL 8.4
 Total Depth 3250 Chlorides 5,100 ppm System LCM Ø
 Blow Description IFP - Weak surface Blow, Died in 5 min.
ISI - Dead
FFP - Dead
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>6</u>	<u>Drilling Mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>Sampler 10[#], 3,000ml Mud</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 6' BHT Gravity API RW @ F Chlorides ppm

(A) Initial Hydrostatic <u>1580</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>14:12</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>15:07</u>
(C) First Final Flow <u>18</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>16:39</u>
(D) Initial Shut-In <u>352</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>21:29 19:29</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>21:27</u>
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>90 H 139.50</u>	Comments <u>Released 5-1-12</u>
(G) Final Shut-In <u>338</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	<u>3:30 AM</u>
(H) Final Hydrostatic <u>1569</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 10
 Initial Shut-In 75
 Final Flow 10
 Final Shut-In 75

Ruined Packer
 Extra Copies
 Sub Total 800
 Extra Recorder 200
 Day Standby 800 1 Day Total 2864.50
 Accessibility
 MP/DST Disc't

Sub Total 2064.50

Approved By _____ Our Representative Jason M

Trilobite Testing Inc. shall not be liable for damaged or any kind of 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 statements or opinion concerning the results 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.



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

Well Name: SGA D.J. 1-32
 Location: SEC. 32 15S 15W RUSSELL CO., KANSAS
 License Number: 15-167-23795-0000
 Spud Date: 4/25/12
 Surface Coordinates: 990' FSL/ 2150' FWL
 Region: WILDCAT
 Drilling Completed: 4/30/12

Bottom Hole Coordinates:
 Ground Elevation (ft): 1908' K.B. Elevation (ft): 1918'
 Logged Interval (ft): 1800' To: 3590' Total Depth (ft): 3590'
 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 3206'-3250' 10-75-10-75
 IF- WK SURF. BLOW, DIED IN 5 MIN., ISI- DEAD, FF- DEAD, FSI- DEAD
 IH- 1580, FH- 1569/ IF- 17 TO 18, FF- 19 TO 20/ ISI- 352, FSI- 338
 REC. 6' OF TF./ 6' OF DRILLING MUD/ SAMPLER 10#, 3,000 ML MUD/ CHLOR.- 5,100

ROCK TYPES

Anhy	Gyp	Shgy	Sandylms
Bent	Igne	Sltst	Shale
Brec	Lmst	Ss	Sltstn
Cht	Meta	Till	Shlysits
Clyst	Mrlst	Carb sh	Sltys
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	Sltly	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
- A Moldic
- O Organic
- P Pinpoint
- V Vuggy

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- r Subrnd
- a Subang

- A Angular

OIL SHOWS

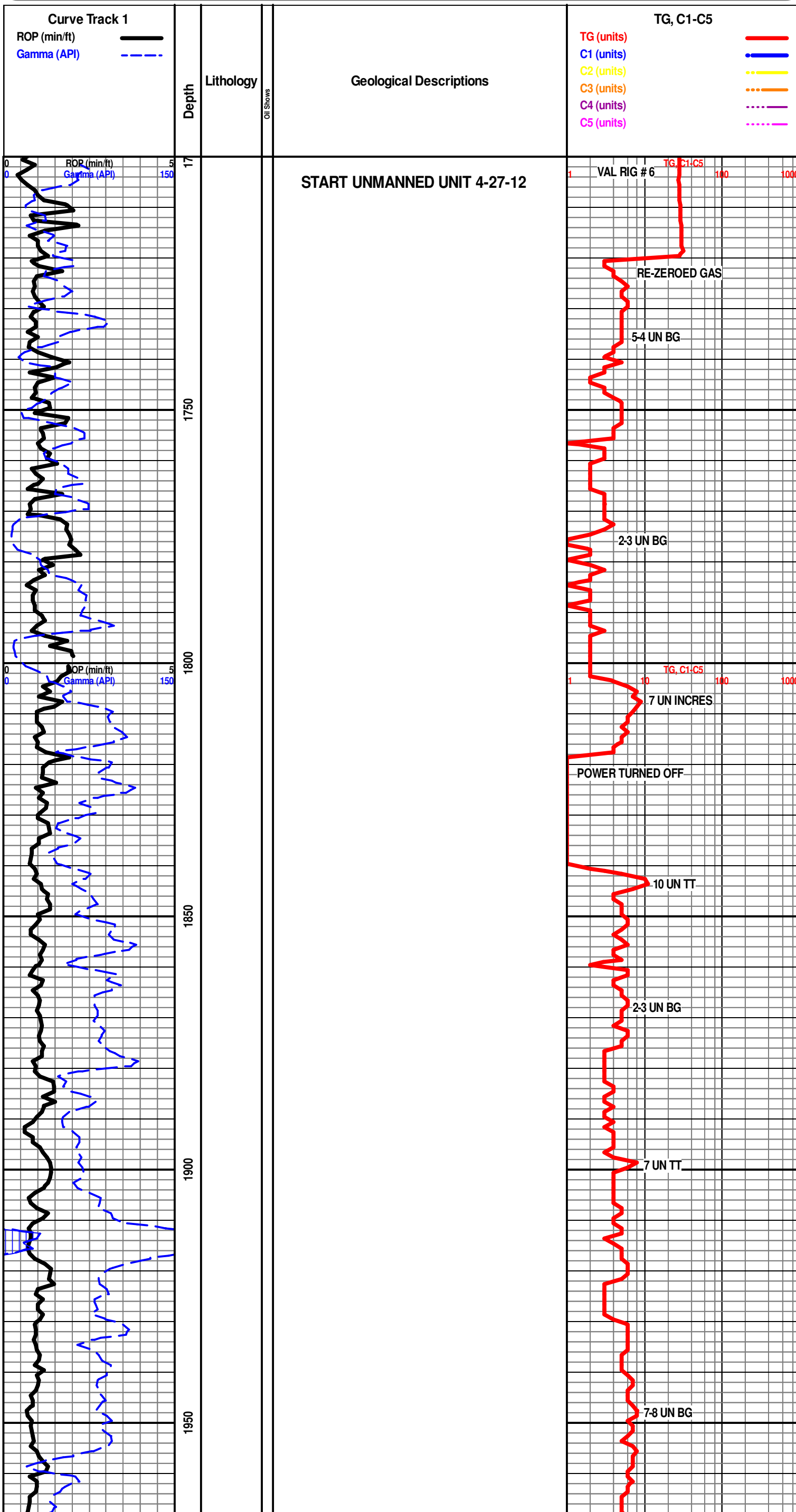
- Even
- ◐ Spotted
- ◑ Ques
- ◒ Dead
- ⊠ Gas show

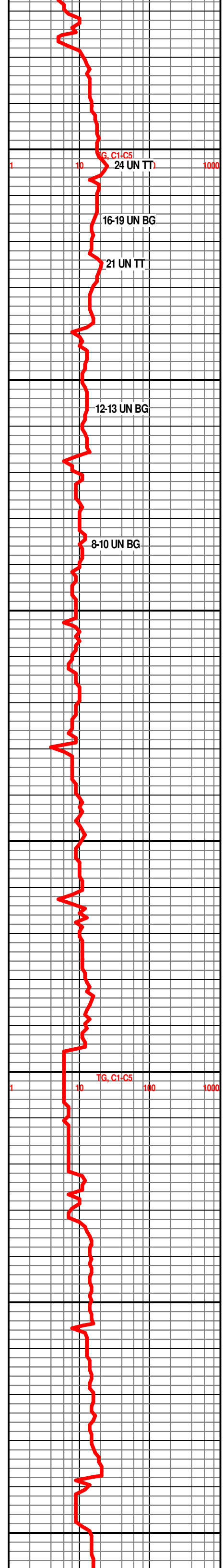
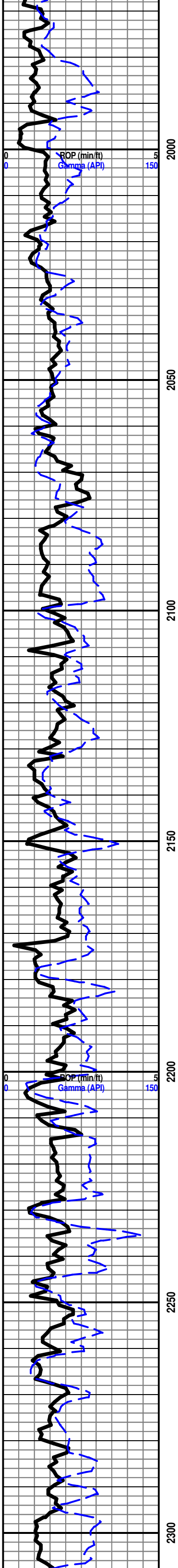
INTERVALS

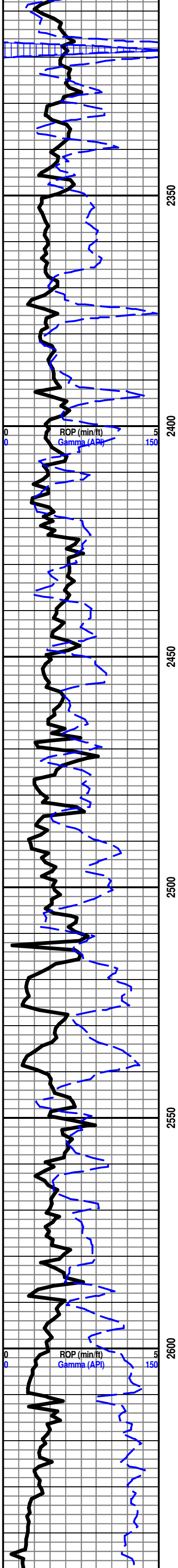
- Core
- Dst
- ◻ Dst

EVENTS

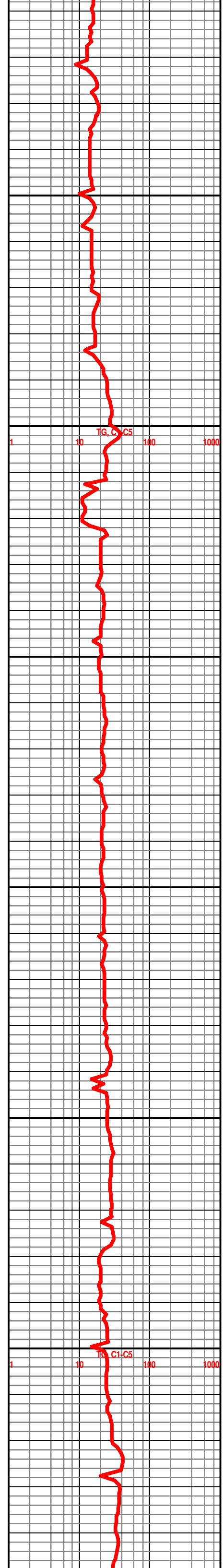
- ◻ Rft
- ◼ Sidewall





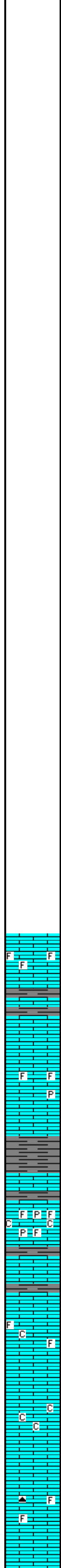
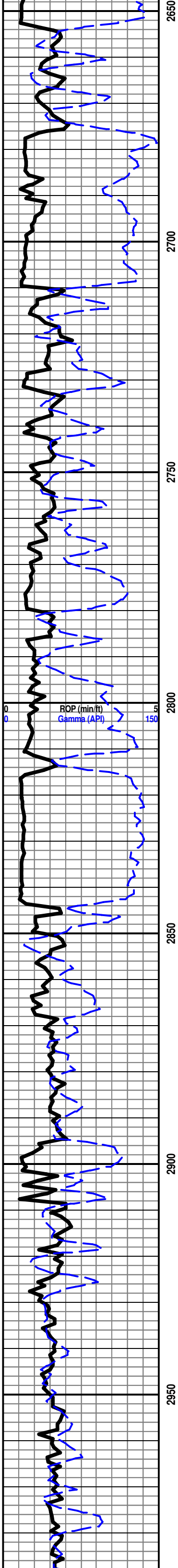


2350
2400
2450
2500
2550
2600



1
10
100
1000

BRS 2654' -736'



HOWARD 2844'-926'

START 24 HOUR MANNED UNIT 4/28/12

LS- CRM TN TO GY MOTTLD IP, HD DNS TO BRIT, F XLN RE-XLN MTRX, SL TR S-CHLKY IP, ABDT IMBD LG FOSS FRG, TRC IMBD CHLK IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH-GY, SFT TO GMMY, SLTY TXT

LS- TN TO GY, HD DNS TO BRIT IP, F TO MD XLN RE-XLN MTRX, S-CHLKY IP, , SCAT IMBD FOSS FRG IP, TRC IMBD MD CALC XLS IP, SLT TRC IMBD PYR, CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

SEVERY 2895'-977'

SH- GY DK GY TO LT GRN, SFT BLKY, SLTY TXT

TOPEKA 2908'-990'

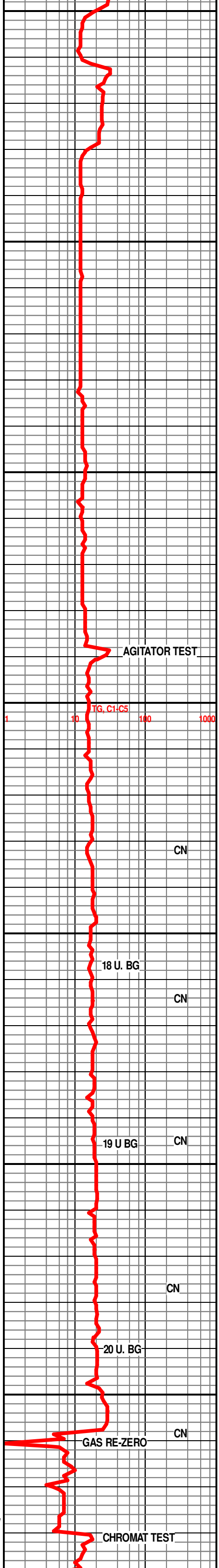
LS- LT TN TO BUFF, HD DNS TO V/ BRIT IP, F TO MD XLN RE- XLN IP, ABDT IMBD FOSS FRGS THRU, TR IMBD CALC XLS SCAT THRU, TR IMBD CHLK THRU, IMBD PYR IP, CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

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

LS- CRM TN BUFF TO GY MOTTLD, HD DNS, F TO MD XLN RE-XLN MTRX, IMBD FOSS FRGS THRU, SL TRC IMBD CHLK, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS-OFF WHT CRM TO LT TN, SFT TO MD HD V/BRIT, F XLN CHLKY MTRX, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS-OFF WHT TN TO GY, MD HD TO SFT,MD TO FN XLN CHLKY MTRX, RE-XLN IP, IMBD FOSS FGS IP, TR IMBD BRN TO BLCK CHRT, NO FLO, NO VIS POR, NO VIS SHOW



AGITATOR TEST

CN

18 U. BG

CN

19 U. BG

CN

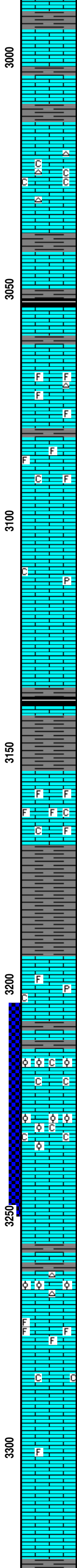
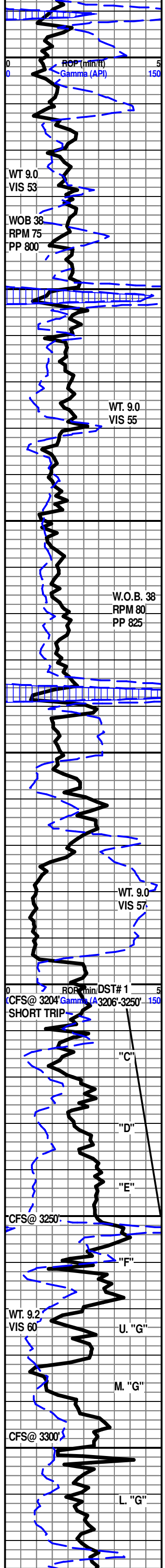
20 U. BG

CN

GAS RE-ZERO

CN

CHROMAT TEST



SH= GY DK GY TO GRN, SFT TO GMMY, SMTH TXT

LS-CRM TO TN, HD DNS TO BRIT, SUCRO MTRX, TR S-CHLKY IP, NO FLO, NO VIS POR, NO VIS SHOW

LE COMPTON 3013'-1095'

LS- OFF WHT CRM TO TN, HD DNS TO BRIT, F TO CRYPTO XLN, S-SUCRO IP, S-CHLKY IP, ABDT WHT CHRT IN TRAY, NO FLO, NO VIS POR, NO SHOW

SH- GY TO DK GY, FRM BLCKY, SMTH TXT

SH- BLCK SFT CARB

LS- TN TO GY TO LT GY, HD DNS, MD/F-XLN RE-XLN MTRX, IMB FOSS FRAGS THRU, IMB WHT CHRT IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- TN TO GY MOTT, HD DNS TO BRIT IP, MD-XLN RE-XLN MTRX, ABDT IMB LG FOSS FRAG, SLI TR IMB CHLK, NO FLO, NO VIS POR, NO VIS SHOW

LS- TN TO GY, HD DNS TO BRIT, MD/F-XLN RE-XLN MTRX, S-SUCRO IP, SLI S-CHLKY IP, TR IMB PYR IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

HEEBNER 3137'-1219'

SH- BLCK SFT CARB

SH- GY, FRM BLCKY, SMTH TXT

LS- GY TO TN MOTT IP, HD DNS TO BRIT IP, F-XLN RE-XLN MTRX, S-SUCRO IP, ABDT IMB LG TO SM FOSS FRAGS, TR IMB CHLK THRU, NO FLO, NO VIS POR, NO VIS SHOW

DOUGLAS 3169'-1251'

SH- LT GY TO GY TO GRN W/ RD, SFT TO GMMY, SMTH TXT

LANSING 3195'-1277'

LS- OFF WHT TO CRM, HD DNS TO BRIT, F/XLN, SUCRO MTRX, S-CHLKY IP, IMB FOSS FRAGS IP, TR IMB DISS PYR, NO VIS FLO, NO VIS POR, NO VIS SHOW

LANSING "C" 3215'-1297'

3216'-3218' LS- OFF WHT W/ LT TN OIL STN IN 5%, HD DNS TO BRIT, MD/F-XLN, CHLKY MTRX, ABDT IMB OOLITES THRU, ABDT SFT WHT CHLK IN TRAY, V DUL YEL GLD FLO IN 5%, PR MICRO-VUG POR IN 10%, NO FLSH CUT, V WK SLW STRM IN 5%, NO LCH ON DSH, NO OIL ODOR

3227'-3229' LS- OFF WHT, TN TO BRWN OIL STN IN 80%, W/ LIVE OIL STN IN 10%, HD DNS, F-XLN, SUCRO MTRX, ABDT IMB OOLITES, ABDT SFT WHT CHLK IN TRAY, TR IMB SFT WHT CHLK, BRT YEL GLD FLO SCAT IN 30%, FR TO GD VUG POR IN 10%, TR FR INTER-OOLITIC IP, GD FLSH CUT, GD SLW STRM CUT IN 40%, LIVE OIL SPECS SCAT THRU TRAY, TN LCH ON DSH, FR OIL ODOR

LANSING "F" 3262'-1344'

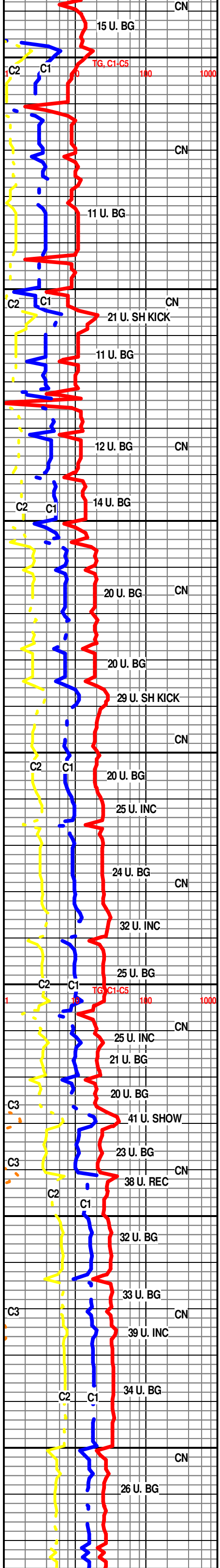
3263'-3264' LS- CRM TO LT TN DUE TO OIL STN IN 10%, HD DNS TO BRIT IP, MD/XLN, RE-XLN MTRX, ABDT IMB OOLITES THRU, V-OOLITIC, SCAT WHT CHRT, SLI TR IMB CHRT, DUL YEL GLD SCAT THRU, BRT YEL GLD FLO SCAT IN 1%, PR INTER-XLN POR IN 5%, WK FLSH CUT, WK TO FR SLW STRM CUT IN 10%, NO LCH ON DSH, LT OIL ODOR

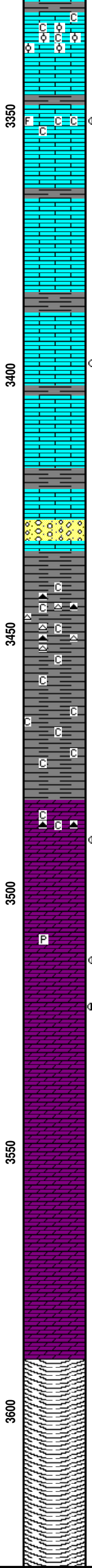
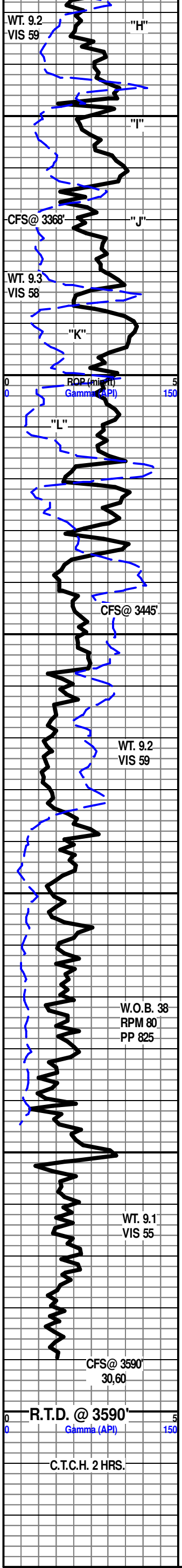
3276'-3277' LS- OFF WHT TO CRM, W/ LT TN OIL STN IN 15%, HD DNS TO BRIT, F/MD-XLN, RE-XLN MTRX, V FOSS, SLI TR IMB CHLK, DUL YEL GLD FLO IN 80%, SLI TR MICRO-VUG POR IP, WK FLSH CUT IN 10%, FR SLW STRM CUT IN 10%, NO LCH ON DSH, SLI TR LT OIL OIL ODOR

LS- OFF WHT TO CRM, HD DNS, VF/F-XLN, SUCRO MTRX, V OOLMODIC THRU, SCAT SFT WHT CHLK, NO FLO, FR TO GD OOLMODIC POR THRU, NO VIS CUT OR SHOW

3301'-3302' LS- OFF WHT TO CRM, LT TN OIL STN IN 10%, W/ TN OIL STN IN 5%, HD DNS TO BRIT, F/MD-XLN, SUCRO MTRX, SLI TR FREE FOSSIL IP, DUL YEL GLD FLO THRU, PR TO FR VUG POR IN 10%, FR FLSH CUT IN 50%, GD SLW STRM IN 30%, V LT TN LCH ON DSH NO OIL ODOR

LANSING "H" 3330'-1413'





LS- GY TO TN MOTT, HD DNS TO BRIT IP, F/MD-XLN, RE-XLN MTRX, ABDT IMB OOLITES, V OLLITIC, SCAT SFT WHT CHLK IN TRAY, TR IMB SFT WHT CHLK, NO FLO, NO VIS POR, NO VIS SHOW

3351'-3353' LS- OFF WHT TO CRM W/ TN OIL STN IN 20%, HD DNS TO BRIT, F-XLN, CHLKY MTRX, S-SUCRO, ABDT SFT WHT CHLK THRU, IMB FOSS FRAGS IP, SCAT FREE FOSS IP, DUL YEL GLD FLO IN 40%, BRT YEL GLD FLO SCAT IN 10%, PR MICRO-VUG POR IN 5%, V WK FLSH CUT IN 10%, WK SLW STRM IN 5%, NO LCH ON DSH, LT OIL ODOR

LS- OFF WHT TO CRM, HD DNS TO BRIT, F-XLN TO CRYPTO-XLN, S-CHLKY, S-SUCRO, TR IMB QRTZ IP, NO FLO, NO VIS POR, NO VIS SHOW

3398'-3399' LS- CRM TO LT GY, W/ LT TN OIL STN IN 5%, HD DNS TO BRIT IP, F/MD-XLN, SUCRO MTRX, S-CHLKY IP, SCAT IMB OOLITES IP, DUL YEL GLD FLO IN 5%, PR TO FR VUG POR IN 5%, NO FLSH CUT, V WK SLW STRM IN 10%, NO LCH ON DSH, SLI OIL ODOR

BKC 3416'-1498'

CONG- LS- CRM TN TO GY, HD DNS, F/MD-XLN, RE-XLN MTRX, ABDT IMB GY SH, IMB PYR, TR IMB CHRT, SLI TR IMB CALC-XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- RD TO DK RD TO DK GY, FRM SFT TO GMMY IP, SMTH TXT W/ ABDT MOTT CHRT'S, ABDT SCAT GMMY WHT CHLK

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

ARBUCKLE 3483'-1565'

3481'-3482' DOLO- CRM TN TO GY IP, TN OIL STN IN 5%, HD DNS TO BRIT IP, F-XLN, SUCRO MTRX, ABDT IMB MD TO SM S-ANG DOLO GRNS THRU, IMB SM S-ANG QRTZ GRNS IP, ABDT SCAT SFT WHT CHLK, DUL YEL GLD FLO IN 10%, FR INTER-GRN POR IN 5%, WK FLSH CUT IN 20%, FR SLW STRM IN 10%, NO LCH ON DSH, NO OIL ODOR

3513'-3514' DOLO- CRM TO LT TN, LT TN OIL STN IN 5%, HD DNS TO BRIT, F-XLN, SUCRO MTRX, ABDT IMB SM S-ANG DOLO GRNS THRU, TR SCAT IMB PYR, DUL YEL GLD FLO IN 40%, PR INTER-GRN POR IN 1%, FR FLSH CUT IN 30%, WK SLW STRM IN 10%, NO LCH ON DSH, NO OIL ODOR

3521'-3523' DOLO- LT TN W/ TN OIL STN IN 30%, LIVE OIL STN IN 10%, HD DNS TO BRIT IP, F/MD-XLN, SUCRO MTRX, ABDT IMB SM TO MD S-RND DOLO GRNS, TR IMB CALC-XLS IP, DUL YEL GLD IN 40%, BRT YEL GLD IN 10%, FR TO GD INTER-GRN POR IN 15%, EXCEL FLSH CUT THRU, GASSY CUT, TN LCH ON DSH, NO OIL ODOR

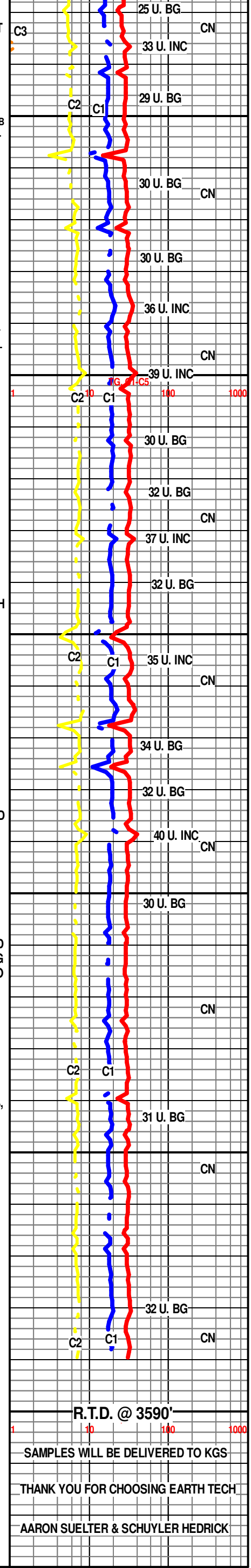
DOLO- CRM TO LT TN, HD DNS, F/MD-XLN, SUCRO MTRX, ABDT IMB SM TO MD S-ANG DOLO GRNS, NO VIS FLO, NO VIS POR, NO VIS SHOW

R.T.D. @ 8:05 P.M. 4/30/12

DROP SURVEY

T.O.F.L. @ 10:05 P.M.

WEATHERFORD/ LIBERAL, KS



R.T.D. @ 3590'

SAMPLES WILL BE DELIVERED TO KGS

THANK YOU FOR CHOOSING EARTH TECH

AARON SUELTER & SCHUYLER HEDRICK