



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1094624
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: _____

1094624

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	JONES 3-2
Doc ID	1094624

All Electric Logs Run

DENSITY
INDUCTION
MICRO
SONIC
SPECTRAL GR

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
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

September 25, 2012

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

Re: ACO1
API 15-165-21978-00-00
JONES 3-2
SW/4 Sec.02-16S-16W
Rush 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.

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: 6/10/2012
 Invoice # 855
 P.O.#:
 Due Date: 7/10/2012
 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:
 JONES 3-2

Description of Work:
 CONDUCTOR SURFACE JOB

DRLG COMP W/O LOE GG

Account	8200.138
Well/Prospect	
Deck	
AFE	
Approval	[Signature]
Description	

Services / Items Included:

	Quantity	Price	Taxable
Labor		\$ 991.39	No
Common-Class A	90	\$ 1,192.11	Yes
Pump Truck Mileage-Job to Nearest Camp	31	\$ 335.90	No
Bulk Truck Matl-Material Service Charge	95	\$ 206.29	No
Bulk Truck Mileage-Job to Nearest Bulk Plant	31	\$ 196.56	No
Calcium Chloride	3	\$ 122.66	Yes
Premium Gel (Bentonite)	2	\$ 35.35	Yes

Item	Quantity	Price	Taxable
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Invoice Terms:

Net 30

SubTotal: \$ 3,080.26
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (462.04)

SubTotal for Taxable Items:	\$ 1,147.61
SubTotal for Non-Taxable Items:	\$ 1,470.61
Total:	\$ 2,618.22
Tax:	\$ 72.30

6.30% Rush County Sales Tax

Thank You For Your Business!

Amount Due: \$ 2,690.52
Applied Payments:
Balance Due: \$ 2,690.52

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. 855

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-5-12	2	16	16	RUSH	KANSAS		9:45 PM
Lease JONES		Well No. 3-2		Location GALATIA W TO 390 RD - 2 N - 1 W - N INTO			
Contractor VAL DETULING # 16				Owner SAM GARY JR.			
Type Job CONDUCTOR				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 14 1/4"		T.D. 96'		Charge To SAM GARY JR.			
Csg. 13 3/8"		Depth 99'		Street 1515 WYNKOOP, STE 700			
Tbg. Size		Depth		City DENVER State COLORADO, 80202			
Tool		Depth		City DENVER State COLORADO, 80202			
Cement Left in Csg.		Shoe Joint 10'		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace 12		Cement Amount Ordered 90 Com - 3cc - 2 GEL			
EQUIPMENT							
Pumptrk # 15 No.	Cementer Helper NICK			Common 90			
Bulktrk # 8 No.	Driver LEVY			Poz. Mix			
Bulktrk P/u No.	Driver GISCO			Gel. 2			
JOB SERVICES & REMARKS				Calcium 3			
Remarks:				Hulls			
Rat Hole:				Salt			
Mouse Hole:				Flowseal			
Centralizers:				Kol-Seal			
Baskets:				Mud CLR 48			
D/V or Port.Collar:				CFL-117 or CD110 CAF 38			
				Sand			
				Handling 95			
				Mileage			
FLOAT EQUIPMENT							
CEMENT DID CIRCULATE x				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
THANK YOU x				Latch Down			
				Pumptrk Charge Conductor Surface			
				Mileage 31			
				Tax			
				Discount			
X Signature [Signature]				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: 6/10/2012
Invoice # 857

P.O.#:

Due Date: 7/10/2012

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:
JONES 3-2

Description of Work:
LONG SURFACE JOB

DRUG COMP W/O

Account	8200.138
Well/Prospect	
Deck	
AFE	
Approval	
Description	

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No	Baffle Plate Aluminum, 8 5/8"	1	\$95.00	Yes
Common-Class A	415	\$ 5,344.28	Yes				
8 5/8" Basket	3	\$ 1,000.67	Yes				
Bulk Truck Mat-Material Service Charge	438	\$ 924.67	No				
Calcium Chloride	15	\$ 596.28	Yes				
Pump Truck Mileage-Job to Nearest Camp	31	\$ 326.57	No				
Flo Seal	100	\$ 211.11	Yes				
8 5/8" Centralizer	3	\$ 202.67	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	31	\$ 191.10	No				
Premium Gel (Bentonite)	8	\$ 137.48	Yes				
8 5/8" Top Rubber Plug	1	\$ 111.89	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 10,105.55
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,515.83)

SubTotal for Taxable Items: \$ 6,544.46

SubTotal for Non-Taxable Items: \$ 2,045.25

Total: \$ 8,589.72

Tax: \$ 412.30

Amount Due: \$ 9,002.02

Applied Payments:

Balance Due: \$ 9,002.02

6.30% Rush 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. 857

Date	10-7-12	Sec.	2	Twp.	16	Range	16	County	RUSH	State	KANSAS	On Location		Finish	8:15 AM
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Lease	JONES	Well No.	3-2	Location	GALATA W TO 3902B - 2N - 1W - N-TNEO										
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Contractor	VAL #16	Owner	SAM GARY JR & ASSOC.												
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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.													
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Hole Size	12 1/4"	T.D.	958'	Charge To	SAM GARY JR & ASSOC.										
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Csg.	8 5/8"	Depth	946.61	Street	1515 WYNKOOP										
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Tbg. Size		Depth		City	DENVER	State	CO, 80202								
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Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.											
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Cement Left in Csg.		Shoe Joint	42.48	Cement Amount Ordered	415 cum - 3% - 2% gel 1/2 flow seal										
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Meas Line		Displace	57 1/2												
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EQUIPMENT

Pumptrk #15	No.	Cementer		Common	4/5										
		Helper	NICK												
Bulktrk #13	No.	Driver	BREAN	Poz. Mix											
		Driver													
Bulktrk P/U	No.	Driver	CISCO	Gel.	8										
		Driver													

JOB SERVICES & REMARKS

Remarks:		Calcium	15												
Rat Hole		Hulls													
Mouse Hole		Salt													
Centralizers		Flowseal	100#												
Baskets		Kol-Seal													
D/V or Port Collar		Mud CLR 48													
		CFL-117 or CD110 CAF 38													
		Sand													
		Handling	438												
		Mileage													

FLOAT EQUIPMENT

		Guide Shoe													
		Centralizer	3												
		Baskets	3												
		AFU Inserts													
		Float Shoe													
		Latch Down	1 Baffle plate												
			1 - 8 7/8 RUBBER PLUG												

CEMENT DID CIRCULATE ✓

THANK YOU ✓

Pumptrk Charge	Long Surface
Mileage	31

X Signature *Randy D. [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: 6/16/2012
 Invoice # 869

P.O.#:
 Due Date: 7/16/2012
 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:
 JONES 3-2

Description of Work:
 PLUG JOB

DRLG COMP W/O LOE GG

Account	8200.145
Well/Prospect	
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	Yes				
Common-Class A	126	\$ 1,668.96	Yes				
Bulk Truck Mat-Material Service Charge	217	\$ 471.20	Yes				
POZ Mix-Standard	84	\$ 419.52	Yes				
Pump Truck Mileage-Job to Nearest Camp	31	\$ 335.90	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	31	\$ 196.56	Yes				
Premium Gel (Bentonite)	7	\$ 123.73	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 4,207.25
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (631.09)

SubTotal for Taxable Items:	\$ 3,576.16
SubTotal for Non-Taxable Items:	\$ -
Total:	\$ 3,576.16
Tax:	\$ 225.30
Amount Due:	\$ 3,801.46
Applied Payments:	
Balance Due:	\$ 3,801.46

6.30% Rush County Sales Tax

Thank You For Your Business!

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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 869

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-12-12	2	16	16	RUSH	KANSAS		7:15 PM
Lease JONES	Well No. 3-2	Location GALATIA WTS 3900A-2N-1W-N, INTO					
Contractor VAL NEILLING #6	Owner SAM GARY JR.			To Quality Oilwell Cementing, Inc.			
Type Job R. PLUG	You are hereby requested to rent cementing equipment and furnish						center and helper to assist owner or contractor to do work as listed.
Hole Size 7 1/2"	T.D. 3540'	Charge To SAM GARY JR.					
Csg. 4 1/2"	Depth	Street 1515 WYNWOOD					
Tbg. Size	Depth	City DENVER State CO, 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 210,000 @ 40-48 gll					
Meas Line	Displace						
EQUIPMENT							
Pumptrk #15 No.	Cementer Helper BRETT	Common 126					
Bulktrk # No.	Driver BREAN	Poz. Mix 84					
Bulktrk PU No.	Driver GESCO	Gel. 7					
JOB SERVICES & REMARKS							
Remarks:	Calcium						
Rat Hole 30 SKS	Hulls						
Mouse Hole 20 SKS	Salt						
Centralizers	Flowseal 50#						
Baskets	Kol-Seal						
D/V or Port Collar	Mud CLR 48						
	CFL-117 or CD110 CAF 38						
	Sand						
1st @ 3441	50 SKS	Handling 217					
2nd @ 980	50 SKS	Mileage					
3rd @ 350	40 SKS	FLOAT EQUIPMENT					
4th @ 60	20 SKS	Guide Shoe					
RATHOLE	30 SKS	Centralizer					
MOUSEHOLE	20 SKS	Baskets					
	210 SKS	AFU Inserts					
		Float Shoe					
		Latch Down					
		Pumptrk Charge plug					
		Mileage 31					
						Tax	
						Discount	
						Total Charge	
X Signature <i>Rough O Mark</i>							



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

2-16s-16w-Rooks

1515 Wynkoop
Suite 700
Denver, CO. 80202
ATTN: Chris Mitchell

Jones #3-2

Job Ticket: 47810

DST#: 1

Test Start: 2012.06.10 @ 15:02:55

GENERAL INFORMATION:

Formation: **C-Upper G**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 17:02:25

Time Test Ended: 22:49:40

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: 3148.00 ft (KB) To 3218.00 ft (KB) (TVD)

Reference Elevations: 1853.00 ft (KB)

Total Depth: 3218.00 ft (KB) (TVD)

1843.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8366

Inside

Press @ Run Depth: 56.81 psig @ 3149.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.10

End Date:

2012.06.10

Last Calib.:

2012.06.10

Start Time: 15:02:57

End Time:

22:49:40

Time On Btm:

2012.06.10 @ 17:02:10

Time Off Btm:

2012.06.10 @ 20:44:25

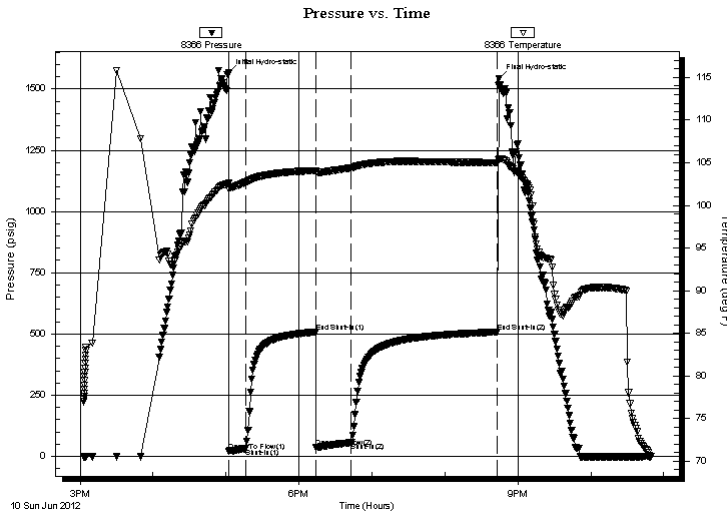
TEST COMMENT: 10-IFP-Good Blow , Built to 8"

60-ISI-Dead

30-FFP-Good Blow , Built to 9-1/2"

120-FSI-Dead

PRESSURE SUMMARY



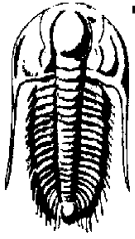
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1565.21	102.58	Initial Hydro-static
1	20.17	101.97	Open To Flow (1)
14	31.68	102.69	Shut-In(1)
72	508.02	104.08	End Shut-In(1)
72	36.19	103.88	Open To Flow (2)
101	56.81	104.41	Shut-In(2)
221	507.51	105.03	End Shut-In(2)
223	1541.56	105.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Free Oil	0.04
77.00	Muddy Water-99%W-1%M	1.08
0.00	120' Gas In Pipe	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

2-16s-16w-Rooks

1515 Wynkoop
Suite 700
Denver, CO. 80202
ATTN: Chris Mitchell

Jones #3-2

Job Ticket: 47810

DST#: 1

Test Start: 2012.06.10 @ 15:02:55

GENERAL INFORMATION:

Formation: **C-Upper G**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 17:02:25

Time Test Ended: 22:49:40

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

Interval: **3148.00 ft (KB) To 3218.00 ft (KB) (TVD)**

Total Depth: 3218.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1853.00 ft (KB)

1843.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8789 Fluid

Press @ Run Depth: psig @ 3112.00 ft (KB)

Start Date: 2012.06.10

End Date: 2012.06.10

Start Time: 15:04:39

End Time: 22:50:52

Capacity: 8000.00 psig

Last Calib.: 2012.06.10

Time On Btm:

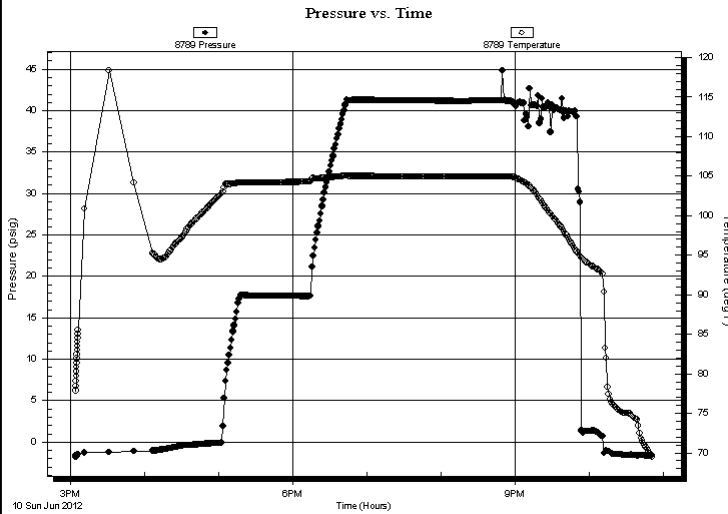
Time Off Btm:

TEST COMMENT: 10-IFP-Good Blow , Built to 8"

60-ISI-Dead

30-FFP-Good Blow , Built to 9-1/2"

120-FSI-Dead



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Free Oil	0.04
77.00	Muddy Water-99%W-1%M	1.08
0.00	120' Gas In Pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates

2-16s-16w-Rooks

1515 Wynkoop
Suite 700
Denver, CO. 80202
ATTN: Chris Mitchell

Jones #3-2

Job Ticket: 47810

DST#: 1

Test Start: 2012.06.10 @ 15:02:55

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:

55000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Free Oil	0.042
77.00	Muddy Water-99%W-1%M	1.080
0.00	120' Gas In Pipe	0.000

Total Length: 80.00 ft Total Volume: 1.122 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

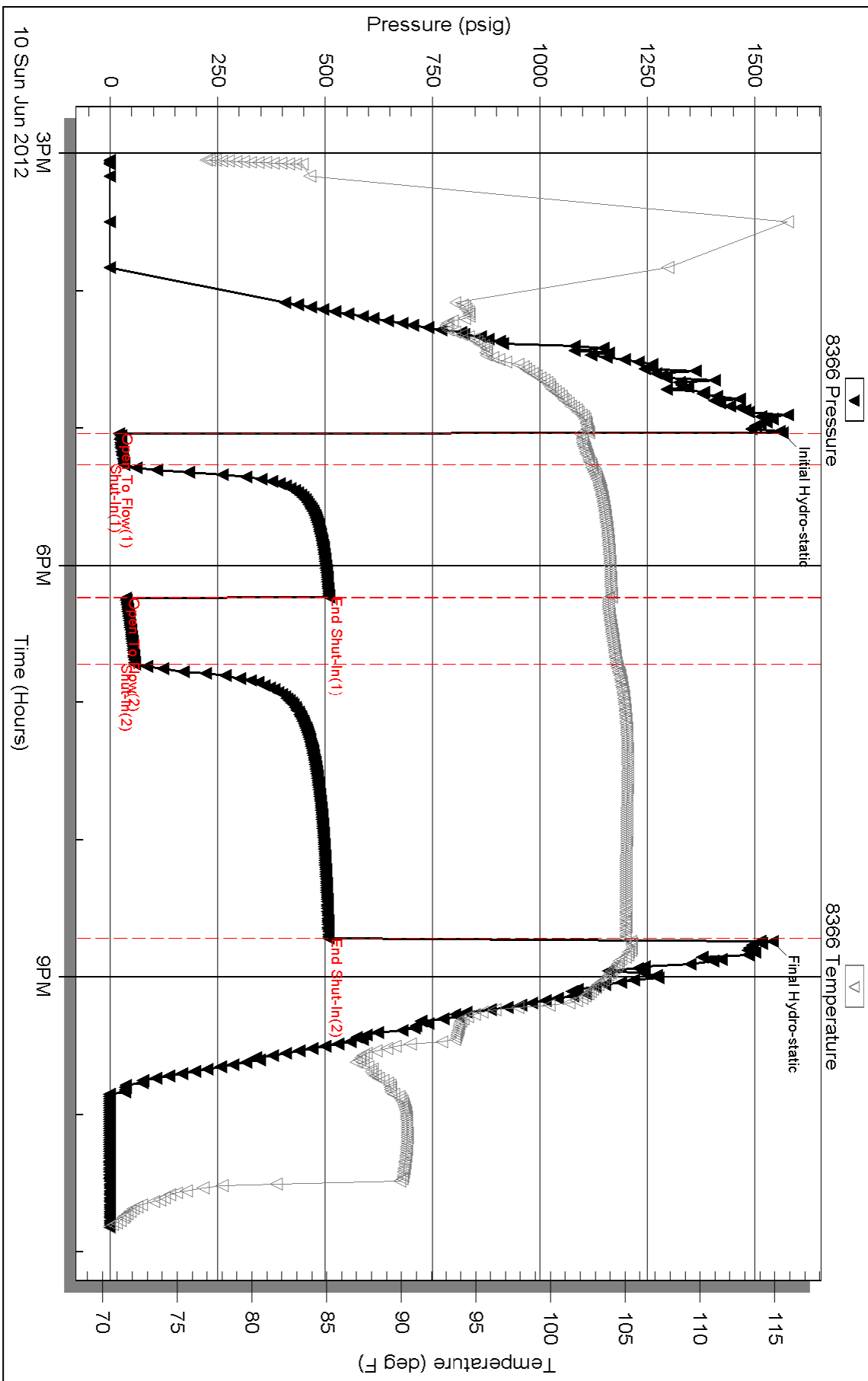
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler-245#, 500ml Oil, 3500ml Salt Water

Pressure vs. Time



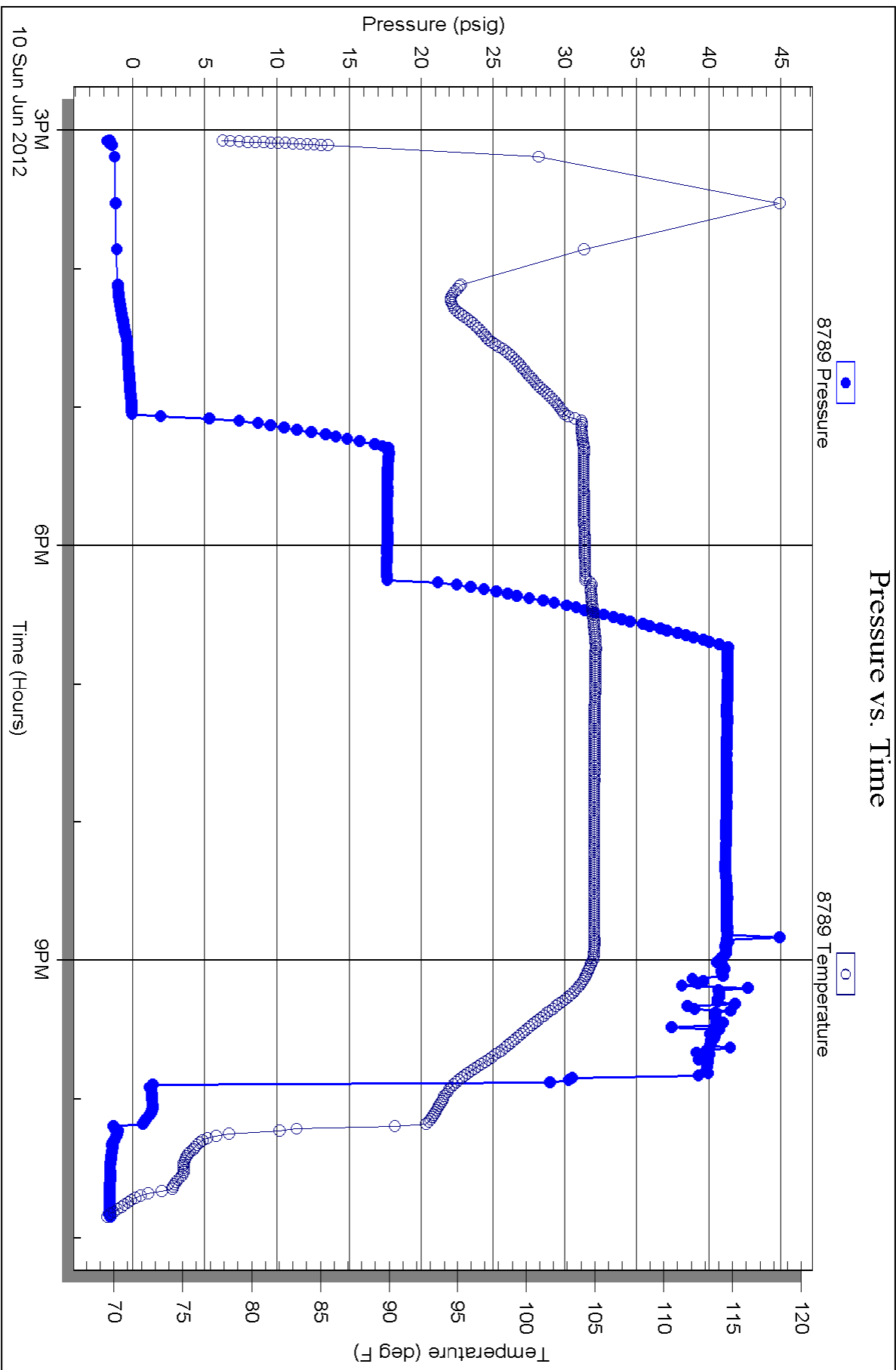
Serial #: 8789

Fluid

Samuel Gary Jr. & Associates

Jones #3-2

DST Test Number: 1





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

Well Name: SGA JONES 3-2
Location: SEC. 2-16S-16W RUSH COUNTY, KANSAS
License Number: 15-165-21978-0000
Spud Date: 6/05/12
Surface Coordinates: 330' FSL/ 630'FWL
Region: WILDCAT
Drilling Completed: 6/11/12

Bottom Hole
Coordinates:
Ground Elevation (ft): 1843' K.B. Elevation (ft): 1853'
Logged Interval (ft): 2800' To: 3540' Total Depth (ft): 3540'
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: Chris Mitchell

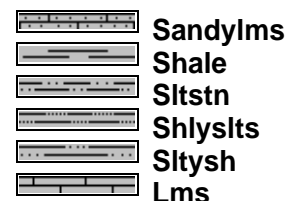
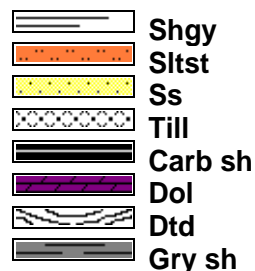
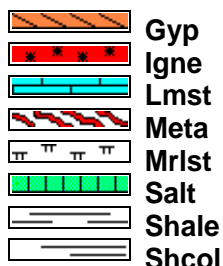
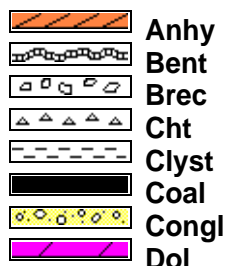
GEOLOGIST

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

DST's Report

DST# 1 3148-3218 10-60-30-120
IF- GD BLW, BUILT TO 8", ISI- DEAD, FF- GD BLW, BUILT TO 9 1/2", FSI- DEAD
IH- 1565, FH-1542/ IF- 20 TO 32, FF- 36 TO 57/ ISI- 508, FSI- 508
REC. 80' OF TF/ 3' OF FREE OIL, 77' OF MUDDY WATER, 20' GIP, SAMPLER-245#, 500 ML OIL, 3500 ML WATER/
API RW .124 @ 75 DEG., CHLOR.- 55,000

ROCK TYPES

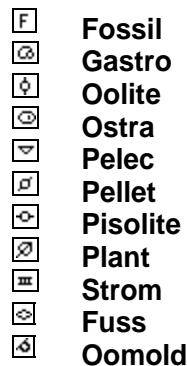
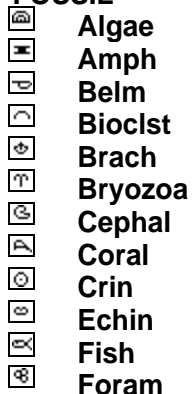


ACCESSORIES

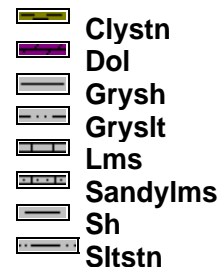
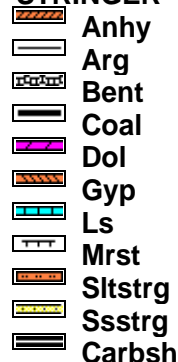
MINERAL



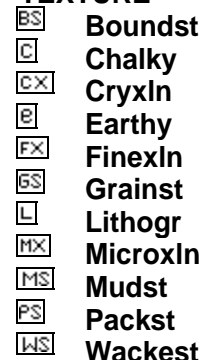
FOSSIL



STRINGER

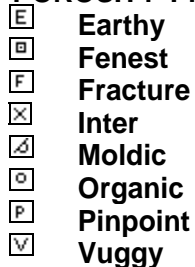


TEXTURE



OTHER SYMBOLS

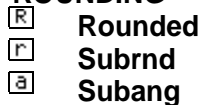
POROSITY TYPE



SORTING



ROUNDING



OIL SHOWS

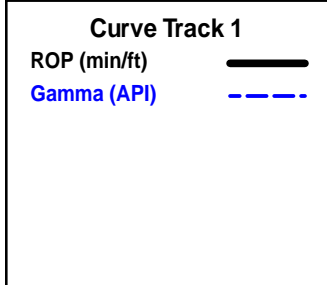


INTERVALS



EVENTS



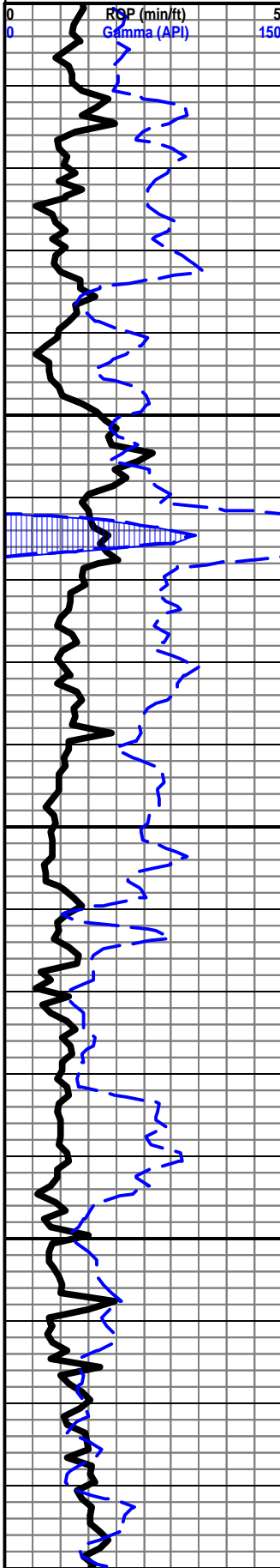
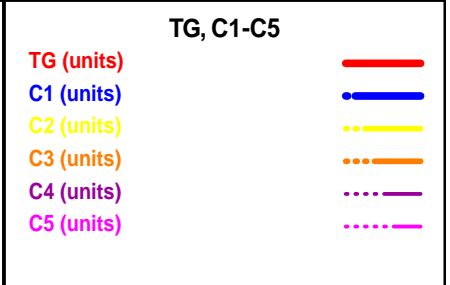


Depth

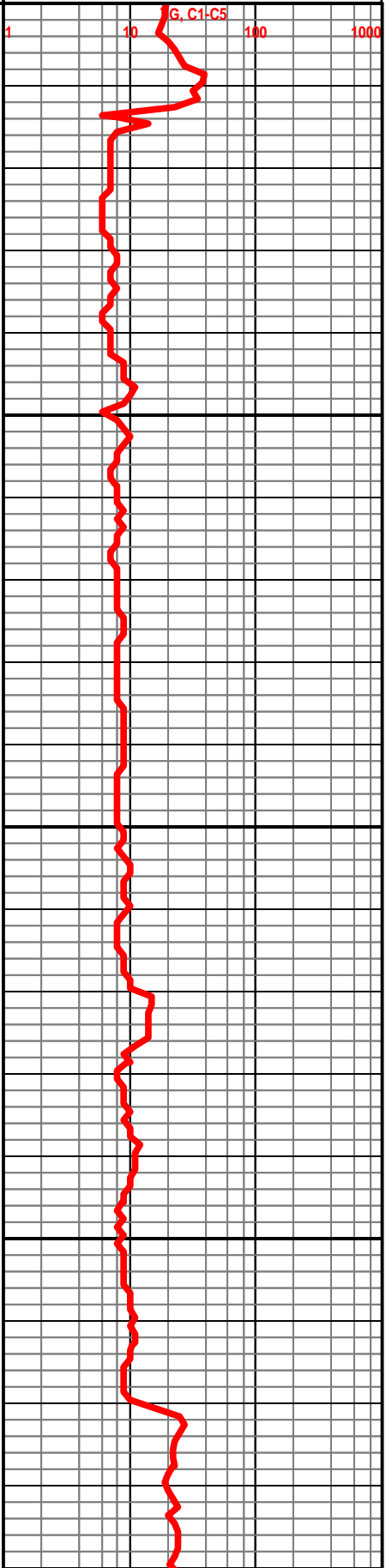
Lithology

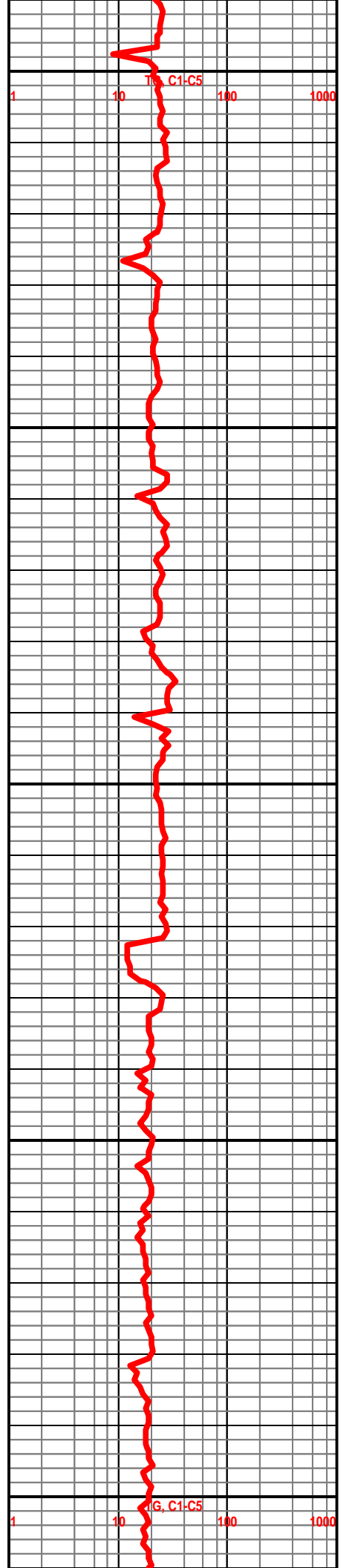
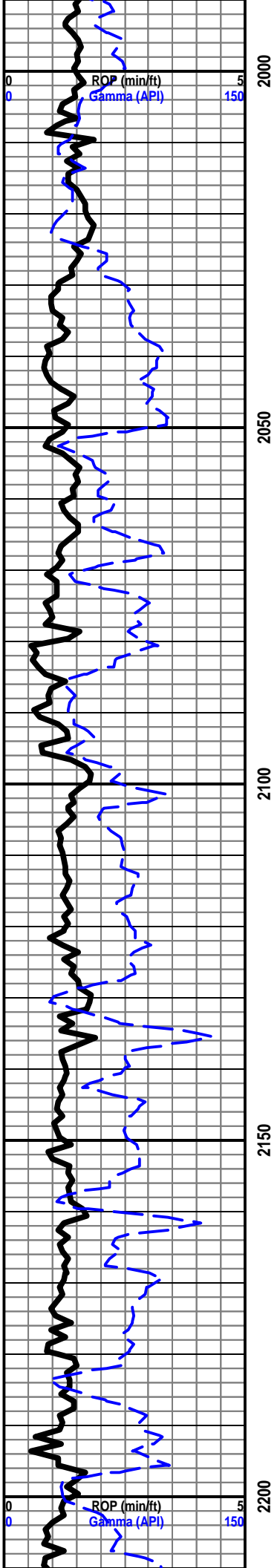
Oil Shows

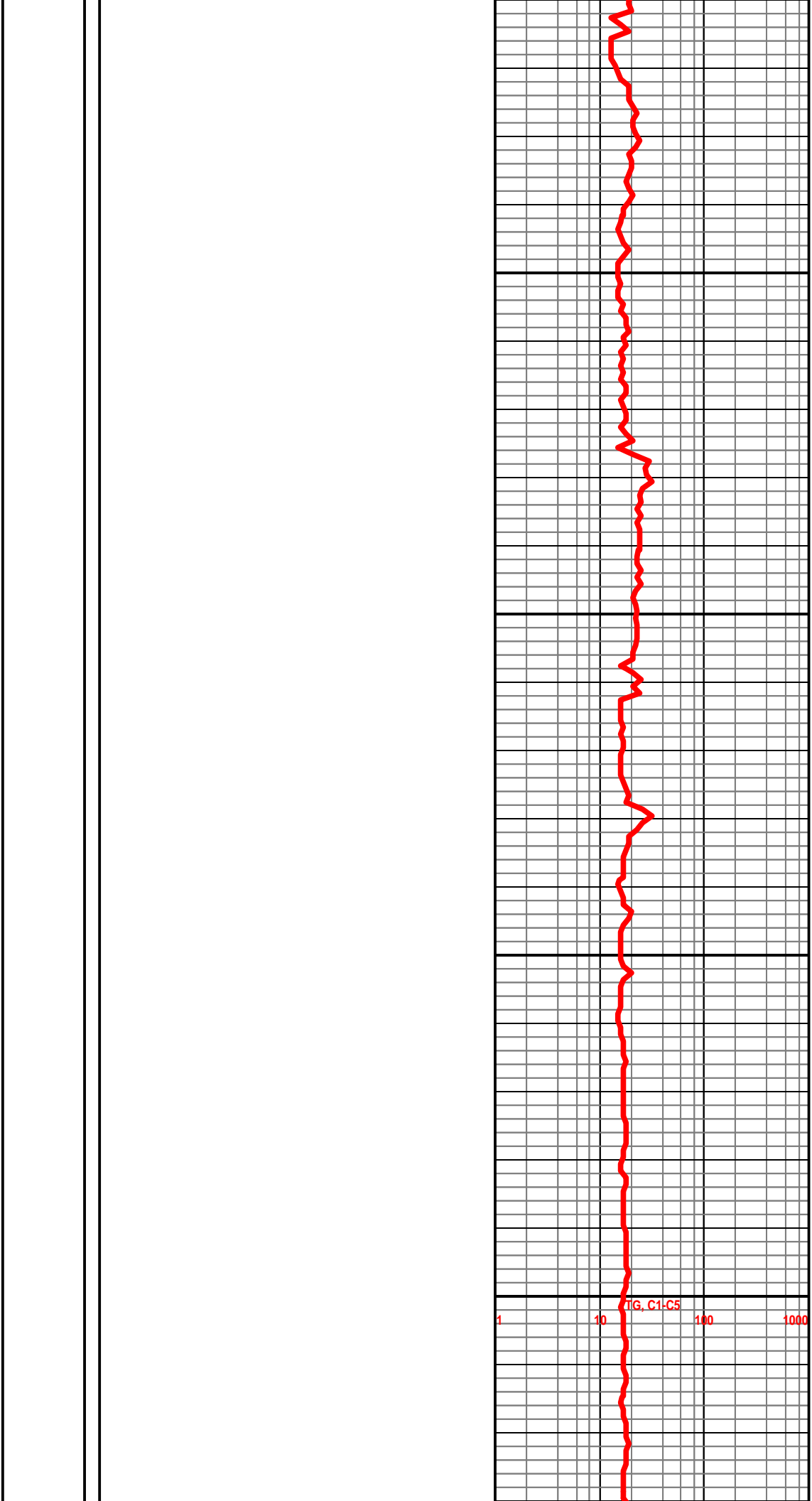
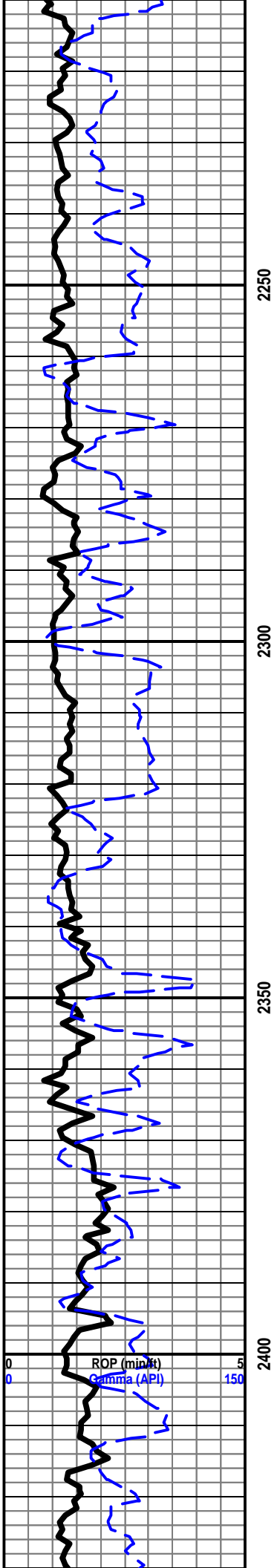
Geological Descriptions

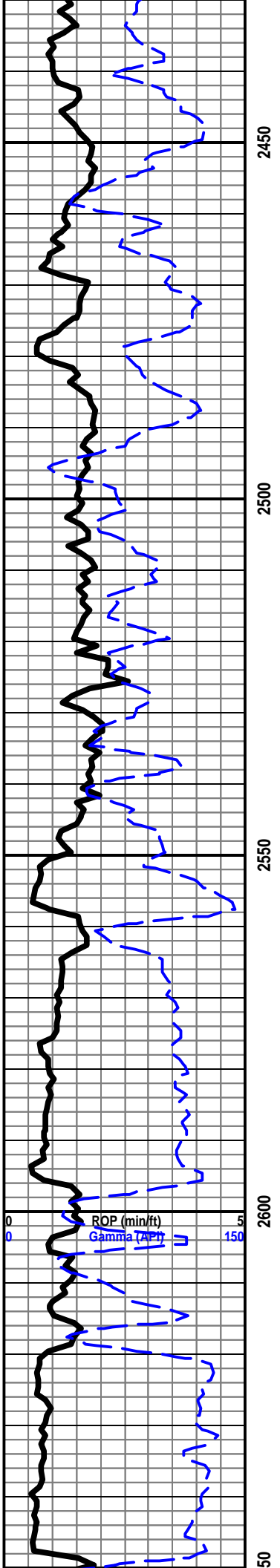


START UNMANNED UNIT 6/08/12

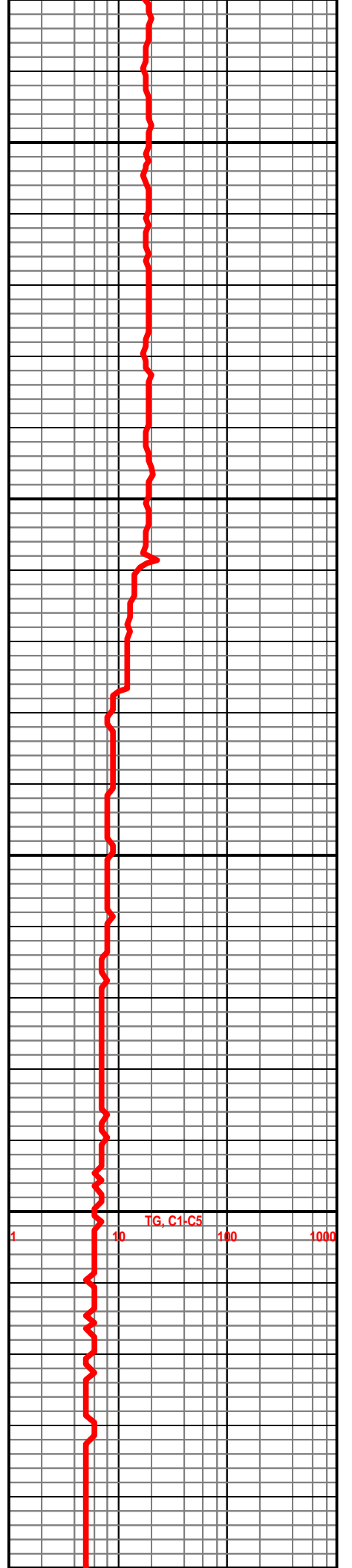


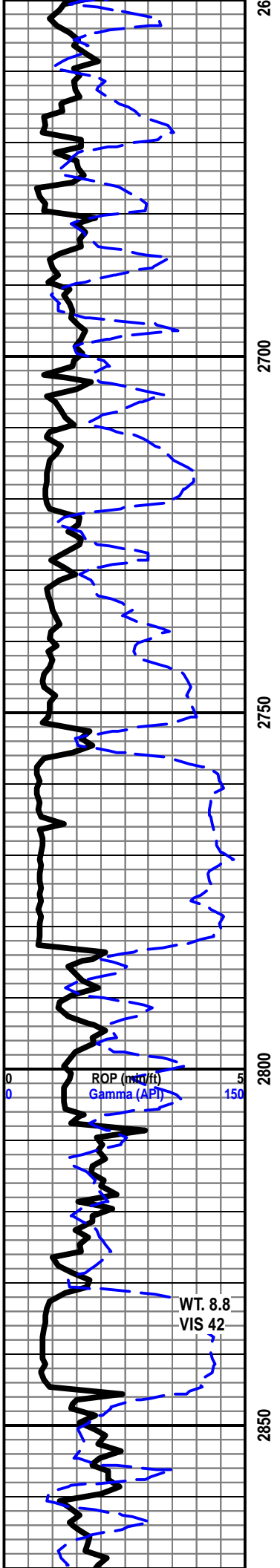






BRS 2596'-743'





26

2700

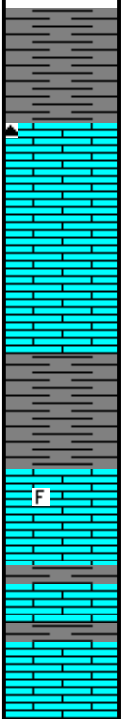
2750

2800

2850

ROP (mcf/ft)
Gamma (API)

WT. 8.8
VIS 42



HOWARD 2783'-930'

START 24 HR. MANNED UNIT 6/09/12

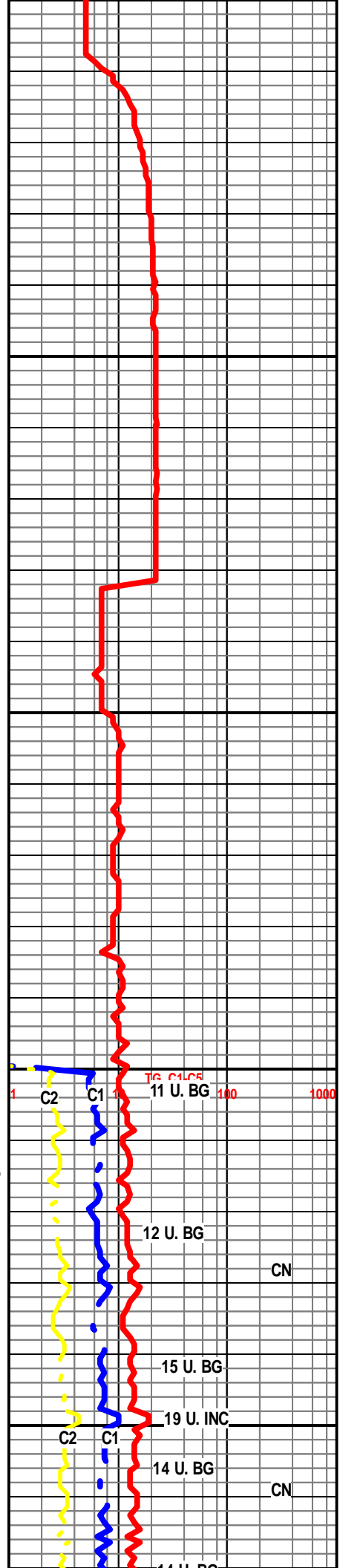
LS- OFF WHT TO CRM LT TN, HD DNS TO BR TT IP,
MD/F-XLN, S-SUCRO IP, ABDT FREE CALC-XLS THRU, IMB
SH IP, TR SCAT RD CRT IP, V DUL YEL FLO IN 20%, NO
VIS POR, NO VIS CUT OR SHOW

SEVERY 2831'-978'

SH- GY TO DK GY, SPLNTY SMTH TXT

TOPEKA 2845'-992'

LS- LT TN TO TN, HD DNS TO BR TT IP, MD-XLN, TR
RE-XLN IP, S-SUCRO, S-CHLKY IP, TR IMB FOSS FRAG IP,
DUL YEL FLO IN 40%, NO VIS POR, NO VIS CUT OR
SHOW



C2 C1

TR CALC 100 1000

11 U. BG

12 U. BG CN

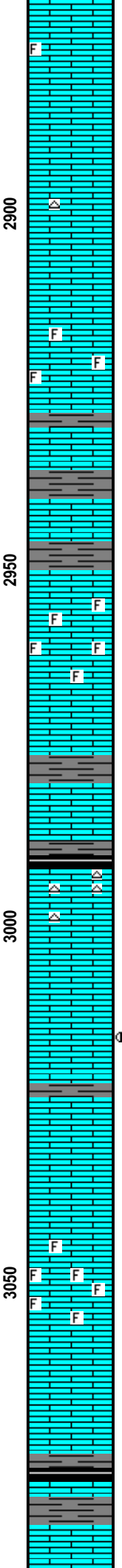
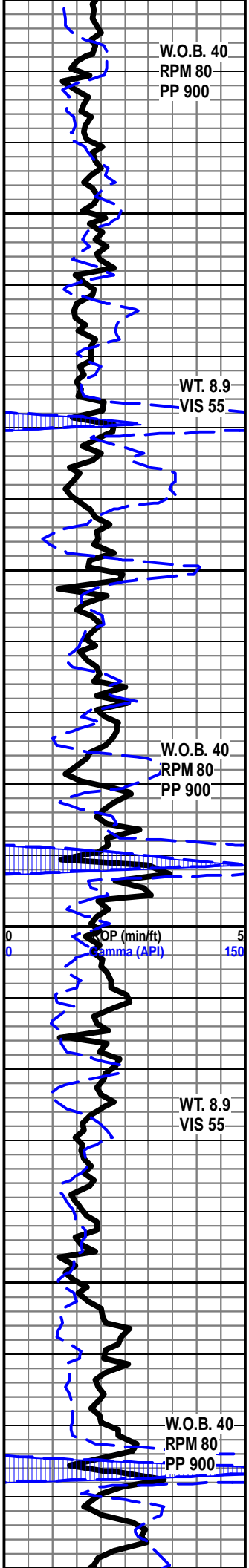
15 U. BG

19 U. INC

14 U. BG CN

C2 C1

14 U. BG



LS- LT TN TO LT GY MOTT, V HD DNS TO BRTT IP, F/XLN MTRX, RE-XLN IP, SLI TR IMB FOSS FRAGS IP, V DUL YEL FLO IN 40%, NO VIS POR, NO VIS CUT OR SHOW

LS- LT GY TO GY, V HD DNS TO BRTT IP, F/VF-XLN MTRX, SLI TR RE-XLN IP, TR WHT CHRT IP, DUL YEL FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

LS- LT GY TO LT TN IP, HD DNS TO BRTT IP, MD/F-XLN, RE-XLN IP, IMB FOSS FRAGS THRU, TR FOSS FRAGS IP, DUL YEL FLO IN 30%, BRT YEL FLO IN 10%, NO VIS POR, NO VIS CUT OR SHOW

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

LE COMPTON 2950'-1097'

LS- CRM TO LT TN TN, HD DNS TO BRTT, MD-XLN, RE-XLN, S-SUCRO IP, ABDT IMB FOSS FRAGS THRU, SCAT IMB CALC-XLS THRU, V DUL YEL FLO IN 40%, NO VIS POR, NO VIS CUT OR SHOW

SH- LT GY TO LT GRN MOTT, FRM TO V-SFT, BLCKY SMTH TXT

SH- BLCK SFT CARB

LS- LT TN TO TN, HD DNS TO BRTT, F/VF-XLN MTRX, RE-XLN, SCAT WHT CHRT IP, NO VIS FLO, NO VIS SHOW

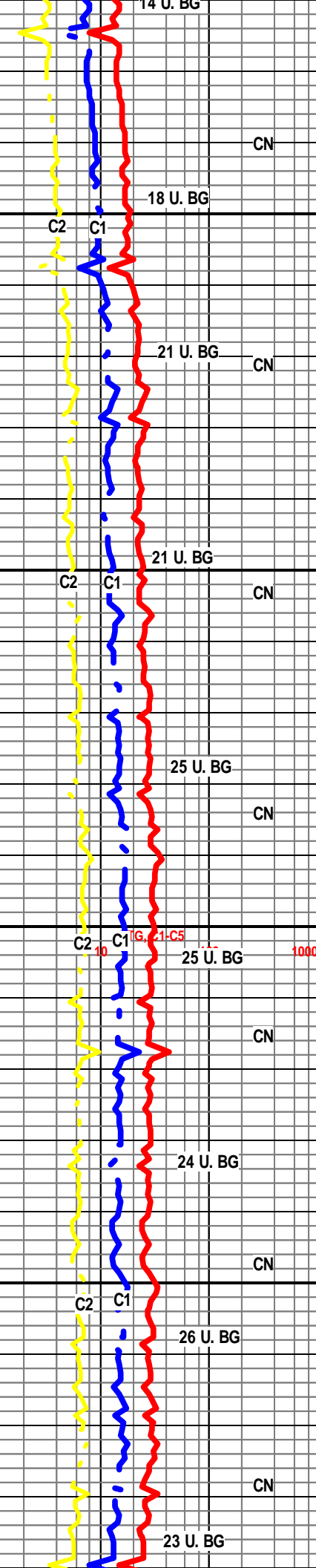
3015'-3016' LS- LT GY TO GY, (W/ DK TN OIL STN ON FACES OF ROCK), HD DNS TO BRTT IP, MD/F-XLN MTRX, IMB CALC-XLS THRU ON FACES OF ROCK, V DUL YEL GLD FLO IN 10%, V PR INTER-XLN POR IN 5% ON ONE FACES, POSS FRACT POR, GD FLSH CUT IN 30%, V GD SLOW STRM CUT IN 40%, NO VIS LCH ON DSH, NO OIL ODOR

LS- CRM TO LT TN, HD DNS TO BRTT IP, MD-XLN MTRX, RE-XLN, ABDT IMB FOSS FRAG THRU, SLI TR CALC-XLS IP, TR V DUL YEL FLO IP, NO VIS POR, NO VIS CUT OR SHOW

HEEBNER 3131'-1278'

SH- BLCK SFT CARB

LS- OFF WHT TO CRM. DNS TO V BRTT SFT. V CHLKY



MTRX, IMB SHIP, WHT CHLK THRU, BRT YEL FLO THRU,
NO VIS POR, NO VIS CUT OR SHOW

DOUGLAS 3108'-1255'

SH- LT GY TO LT GRN, SFT TO V GMMY THRU, BLCKY
SMTH TXT

LANSING 3131'-1278'

LS- OFF WHT TO CRM, V HD DNS TO TR BRTT IP,
F/VF-XLN MTRX, TR RE-XLN IP, IMB SH IP, SLI TR IMB
FOSS FRAGS IP, DUL YEL FLO IN 40%, NO VIS POR, NO
VIS CUT OR SHOW

LANSING "C" 3151'-1298'

LS- CRM TO LT TN, HD DNS TO BRTT IP, F/VF-XLN MTRX,
S-SUCRO IP, SCAT IMB SM CALC-XLS THRU, SCAT SFT
WHT CHLK, V DUL YEL FLO SCAT IN 20%, NO VIS POR,
NO VIS CUT OR SHOW

3172'-3173' LS- CRM TO LT TN, (W/ TN OIL STN IN 25%), HD DNS TO
BRTT, MD-XLN MTRX, S-SUCRO THRU, SCAT IMB SM CALC-XLS, DUL
YEL GLD FLO IN 30%, BRT YEL GLD FLO IN 15%, PR TO TR FR VUG POR
IN 10%, V PR INTER-XLN POR IP, PR TO FR FLSH CUT IN 40%, FR SLW
STRM CUT IN 40%, LT TN LCH ON DSH, LT OIL ODOR

LANSING "F" 3200'-1247'

3201'-3203' LS- CRM TO LT TN TN (W/ TN OIL STN SCAT IN 30%), HD
DNS TO BRTT, RE-XLN MTRX, S-SUCRO, ABDT IMB OOLITES THRU,
V-OOLITIC, IMB SH IP, DUL YEL GLD FLO IN 60%, SCAT BRT YEL GLD FLO
IN 20%, FR INTER-OOLITIC POR SCAT IN 15%, PR TO FR FLSH CUT IN
30%, FR TO GD SLW STRM CUT IN 30%, TR V LT TN LCH ON DSH, V LT
OIL ODOR

3215'-3216' LS- OFF WHT TO CRM (W/ TN OIL STN IN 30%), HD DNS TO
BRTT, MD-XLN MTRX, RE-XLN IP, S-CHLKY THRU, ABDT SFT WHT CHLK
THRU, SCAT IMB OOLITES IP, DUL YEL GLD FLO IN 50%, PR MICRO VUG
POR IN 5%, V PR VUG POR IN 5%, FR FLSH CUT IN 30%, FR TO GD SLW
STRM CUT IN 50%, LT TN LCH ON DSH, LT OIL ODOR

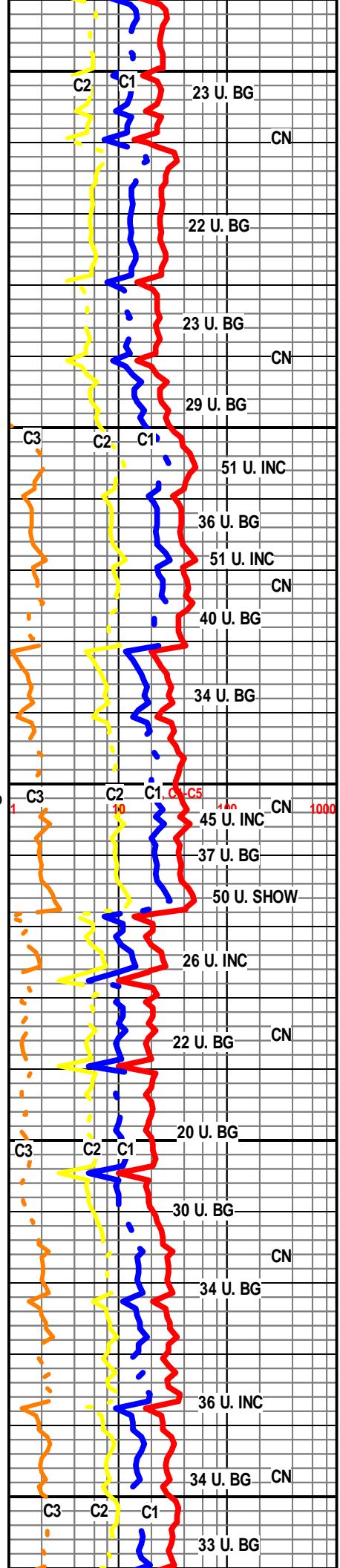
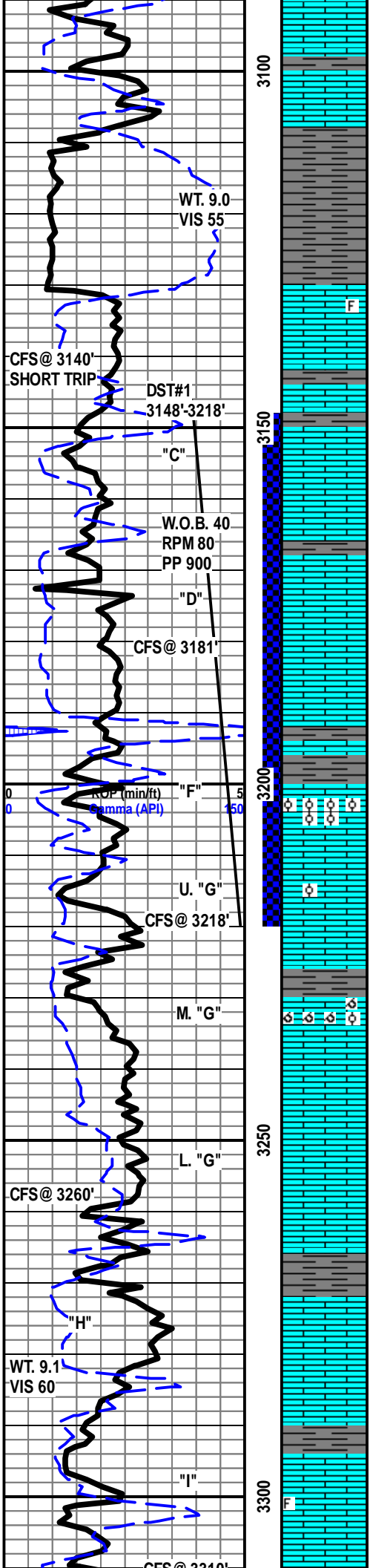
LS- OFF WHT TO CRM, HD DNS TO BRTT IP, MD-XLN,
RE-XLN IP, S-CHLKY IP, OOLMOLDIC, TR IMB OOLITES IP,
V DUL YEL FLO IP, V PR OOLMOLDIC POR IN 10%, NO
VIS CUT OR SHOW

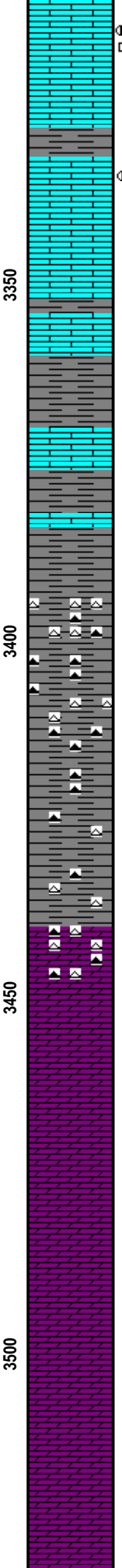
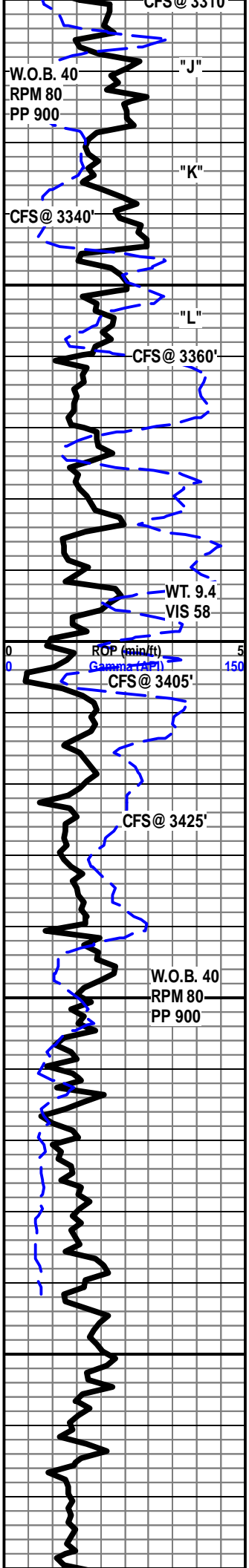
LS- CRM TO LT TN TN, V HD DNS, F/VF-XLN MTRX, SCAT
IMB CALC-XLS IP, V DUL YEL FLO IP, NO IS POR, NO VIS
CUT OR SHOW

LANSING "H" 3272'-1419'

LS- LT TN TO TN, V HD DNS, F/VF-XLN MTRX, SCAT WHT
CHRT IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR
SHOW

LS- OFF WHT TO CRM, DNS TO BRTT SFT, MD-XLN,
CHLKY MTRX, ABDT IMB SFT WHT CHLK THRU, TR SCAT
FREE FOSSIL IP, DUL YEL FLO IN 20%, SPTTD BRT YEL
FLO IP, NO VIS POR, NO VIS CUT OR SHOW





3315'-3317' LS- CRM TO LT TN, W/D.O.S. SCAT IN 50%, DK TN OIL STN IN 20%, HD DNS TO BRIT, MD-XLN, RE-XLN MTRX, S-SUCRO, IMB LG CALC-XLS, DUL YEL GLD FLO IN 30%, SPTTD BRT YEL GLD FLO IN IP, PR TO TR FR VUG POR IN 10%, TR V PR MICRO-VUG POR IP, FR TO GD FLSH CUT IN 25%, FR SLW STRM CUT IN 30%, TR V LT TN LCH ON DSH, LT OIL ODOR

3334'-3336' LS- LT TN TO TN (W/DK TN OIL STN IN 30%, HD DNS TO BRIT, F-XLN, RE-XLN, S-SUCRO IP, SCAT SFT WHT CHLK IP, BRT YEL FLO IN 30%, FR VUG POR SCAT IN 10%, PR INTER-XLN POR IN 5%, POSS FRACT POR, PR WK FLSH CUT IN 15%, FR TO TR GD SLW STRM CUT IN 30%, NO VIS LCH ON DSH, NO OIL ODOR

LS- OFF WHT TO CRM, HD DNS TO BRT, MD-XLN MTRX, S-CHLKY IP, SCAT IMB OOLITES IP, SFT WHT CHLK IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

BKC 3361'-1508'

LS- OFF WHT TO CRM, HD DNS TO BRIT IP, F/VF-XLN MTRX, SCAT IMB CALC-XLS IP, V DUL YEL FLO IN 15%, NO VIS POR, NO VIS CUT OR SHOW

SH- RD TO DK, V FRM TO SFT IP, BLCKY SMTH TXT

ALOT OF TRASH IN SAMPLES

SH- RD TO DK RD, FRM TO V SFT, BLCKY SMTH TXT, W/ MOTTLE CHRTS

SH- RD, FRM SFT TO GMMY IP, ABDT MOTT CHRTS THRU

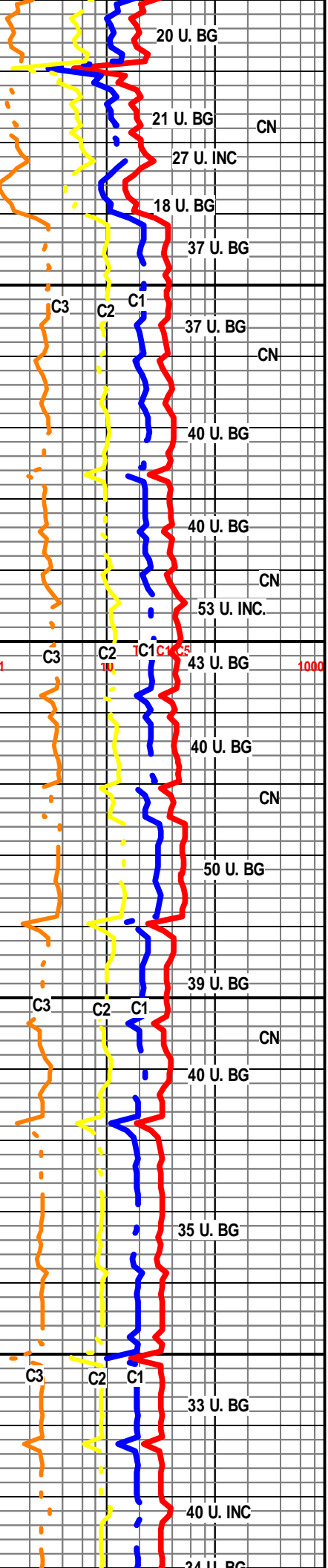
ARBUCKLE 3441'-1588'

DOLO- WHT TO OFF WHT, HD DNS TO BRIT IP, MD/F-XLN MTRX, RE-XLN IP, IMB SM RND DOLO GRNS THRU, SCAT, SCAT MOTT CHRT, BRT YEL FLO IN 90%, NO VIS POR, NO VIS CUT OR SHOW

DOLO- OFF WHT TO CRM, V HD DNS TO TR BRIT IP, F-XLN, RE-XLN, ABDT SM S-ANG TO RND DOLO GRNS THRU, BRT YEL FLO IN 40%, NO VIS POR, NO VIS CUT OR SHOW

DOLO- WHT TO OFF WHT, HD DNS TO BRIT IP, MD/F-XLN MTRX, RE-XLN, S-CHLKY, ABDT IMB SM TO MD RND DOLO GRNS THRU, TR SFT WHT CHLK IP, DUL YEL FLO IN 20%, NO VIS POR, NO VIS CUT OR SHOW

DOLO- WHT TO OFF WHT, HD DNS TO BRIT IP, MD-XLN, RE-XLN MTRX, ABDT IMB SM TO MD S-ANG DOLO GRNS THRU, SCAT IMB SM RND CLR QRTZ GRNS IP, DUL YEL FLO IN 30%, SCAT SPTTD BRT YEL FLO IN 5%, TR V PR INTER-XLN POR IP, NO VIS CUT OR SHOW



CFS @ 3540'
30,60

R.T.D. @ 3540'

C.T.C.H. 3 HRS.
SHORT TRIP

3550

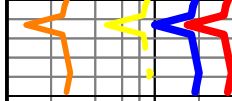
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R.T.D. @ 10:45 P.M. 6/11/12

DROP SURVEY

T.O.F.L. @ 1:45 A.M.

WEATHERFORD/ LIBERAL, KS



34 0. 50

R.T.D. @ 3540'

SAMPLES WILL BE DELIVERED TO KGS

THANK YOU FOR CHOOSING EARTH TECH

SCHUYLER HEDRICK