

1232736

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

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	LOLA 1-5
Doc ID	1232736

All Electric Logs Run

DEN-NEUT
INDUCTION
MICRO
SONIC
SPECTRAL



QUALITY OILWELL CEMENTING, INC.

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

Date: 8/5/2014
 Invoice # 531

P.O.#:

Due Date: 9/4/2014

Division: Russell

RECEIVED

AUG 12 2014

Invoice

SAMUEL GARY JR.
 & ASSOCIATES, INC.

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1935 LOUIE ROAD
 HAYS KANSAS 67601

Reference:

LOLA 1-5

Description of Work:

SURFACE JOB

DRLG COMP W/O LOE GG

Account	8200.138
Well/Prospect	
Deck	
AFE	
Approval	
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
Common-Class A	180	\$ 3,017.65	Yes				
Pump Truck Mileage-Job to Nearest Camp	43	\$ 479.63	No				
Bulk Truck Matl-Material Service Charge	189	\$ 422.47	No				
Calcium Chloride	6	\$ 373.25	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	43	\$ 280.66	No				
8 5/8" Centralizer	1	\$ 71.53	Yes				
Premium Gel (Bentonite)	3	\$ 54.59	Yes				

Invoice Terms:

Net 30

	SubTotal:	\$	5,720.32
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(858.05)
<hr/>			
	SubTotal for Taxable Items:	\$	2,989.46
	SubTotal for Non-Taxable Items:	\$	1,872.81
<hr/>			
	Total:	\$	4,862.27
	Tax:	\$	183.85
<hr/>			
	Amount Due:	\$	5,046.12
	Applied Payments:		
	Balance Due:	\$	5,046.12

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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6.15% Rooks County Sales Tax

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. 531

Date 8-5-14	Sec. 5	Twp. 9	Range 16	County Rooks	State KS	On Location	Finish 8:45 PM
				Location Cadell W 10 26 Rd 7 1/2 N E into			

Lease Lola	Well No. 1-5	Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor Discovery #4		
Type Job Surface		

Hole Size 12 1/4	T.D. 347'	Charge To Sam Gary Jr & Associates
Csg. 8 5/8	Depth 347'	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. 25'	Shoe Joint	Cement Amount Ordered 180 cum 3% cc 2% Gel

Meas Line	Displace 20 1/2 bbl	1/4 lb Floreal
EQUIPMENT		Common 180

Pumptrk 5	No. Cementer Helper David	Poz. Mix
Bulktrk 9	No. Driver Doug	Gel. 3
Bulktrk PU	No. Driver Brett	Calcium 6

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole		Flowseal
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
		Handling 189
		Mileage 8 5/8

Cement		FLOAT EQUIPMENT
		Guide Shoe
		Centralizer ~1
		Baskets
		AFU Inserts
		Float Shoe
		Latch Down

		Pumptrk Charge Surface
		Mileage 4/3

		Tax
		Discount
		Total Charge
X Signature Mike Donda		



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: 8/12/2014
 Invoice # 278

P.O.#:
 Due Date: 9/11/2014
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1935 LOUIE ROAD
 HAYS KANSAS 67601

DRLG COMP W/O LOE GG

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

RECEIVED
 AUG 15 2014
 SAMUEL GARY JR.
 & ASSOCIATES, INC.

Reference:
 LOLA 1-5

Description of Work:
 PLUG JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	Yes				
Common-Class A	174	\$ 2,917.06	Yes				
POZ Mix-Standard	114	\$ 802.69	Yes				
Bulk Truck Matl-Material Service Charge	295	\$ 659.41	Yes				
Pump Truck Mileage-Job to Nearest Camp	43	\$ 479.63	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	43	\$ 280.66	Yes				
Premium Gel (Bentonite)	10	\$ 181.95	Yes				
Flo Seal	71	\$ 158.71	Yes				
Dry Hole Plug	1	\$ 62.59	Yes				

Invoice Terms:
 Net 30

	SubTotal:	\$ 6,563.25
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$ (984.49)
<hr/>		
	SubTotal for Taxable Items:	\$ 5,578.76
	SubTotal for Non-Taxable Items:	\$ -
<hr/>		
	Total:	\$ 5,578.76
	Tax:	\$ 343.09
	Amount Due:	\$ 5,921.85
	Applied Payments:	
	Balance Due:	\$ 5,921.85

6.15% Rooks 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. 278

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-12-14	5	9	16	Rooks	KS		7:00AM

Location *Natoma, w to 26 Rd, 7 1/2 N*

Lease <i>LOLA</i>	Well No. <i>1-5</i>	Owner
Contractor <i>Discovery #4</i>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <i>Plug</i>		Charge To <i>Sam Gary J-4 Associates</i>
Hole Size <i>7 7/8</i>	T.D. <i>3459</i>	Street
Csg.	Depth	City
Tbg. Size	Depth	State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered 285 <i>60/40, 4% gel, 1/4 #FS</i> <i>285</i>

Meas Line	Displace	Common
EQUIPMENT		<i>171</i>
Pumptrk <i>17</i>	No. Cementer	Poz. Mix
	Helper <i>Londiev.</i>	<i>114</i>
Bulktrk <i>14</i>	No. Driver	Gel.
	Driver <i>Londiev.</i>	<i>10</i>
Bulktrk <i>P4</i>	No. Driver	Calcium
	Driver <i>Travis</i>	<i>4</i>

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole		Flowseal <i>714</i>
Mouse Hole		Kol-Seal
Centralizers		Mud CLR 48
Baskets		CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
<i>50sx at 3342</i>		Handling <i>295</i>
<i>50sx at 1225</i>		Mileage

<i>80+100sx at 775</i>		FLOAT EQUIPMENT
<i>50sx at 400</i>		Guide Shoe
<i>10sx at 40 with wood plug</i>		Centralizer
		Baskets
<i>30sx Rat</i>		AFU Inserts
<i>15sx Mouse</i>		Float Shoe
		Latch Down

		<i>1 wood plug</i>
		Pumptrk Charge <i>plug</i>
		Mileage <i>43</i>

X Signature <i>[Signature]</i>	Tax
	Discount
	Total Charge



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

5-9S-16W Rooks, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Lola #1-5

Job Ticket: 58391

DST#: 1

ATTN: Chris Mitchell

Test Start: 2014.08.09 @ 04:46:56

GENERAL INFORMATION:

Formation: **LKC "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:16:56

Time Test Ended: 12:49:11

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 3039.00 ft (KB) To 3100.00 ft (KB) (TVD)

Reference Elevations: 1919.00 ft (KB)

Total Depth: 3100.00 ft (KB) (TVD)

1911.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8655 Outside

Press@RunDepth: 32.47 psig @ 3040.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.09

End Date:

2014.08.09

Last Calib.:

2014.08.09

Start Time: 04:47:01

End Time:

12:49:10

Time On Btm:

2014.08.09 @ 07:15:41

Time Off Btm:

2014.08.09 @ 10:57:41

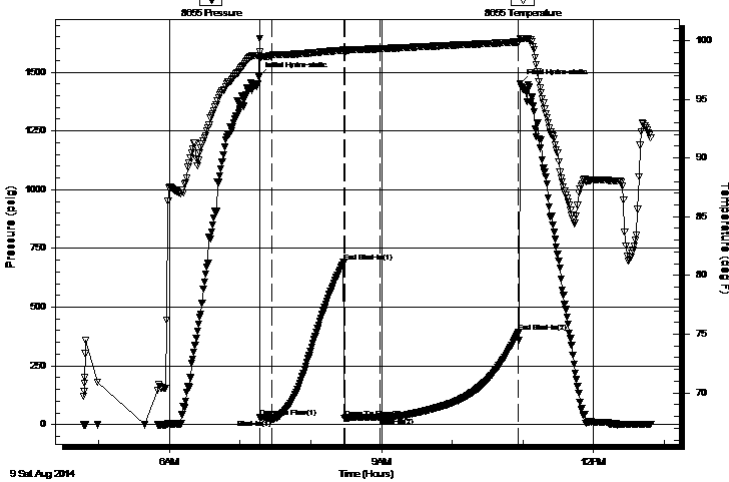
TEST COMMENT: 010- IF- SLow ly built to .75"

060- IS- No blow

030- FF- No blow

120- FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1479.72	98.75	Initial Hydro-static
2	29.89	98.45	Open To Flow (1)
12	24.56	98.75	Shut-In(1)
73	690.79	99.18	End Shut-In(1)
73	28.39	99.03	Open To Flow (2)
103	32.47	99.30	Shut-In(2)
221	393.81	99.89	End Shut-In(2)
222	1450.04	100.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	CO	0.01
20.00	SOCM, 10%O 90%M	0.10

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

5-9S-16W Rooks, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Lola #1-5

Job Ticket: 58391

DST#: 1

ATTN: Chris Mitchell

Test Start: 2014.08.09 @ 04:46:56

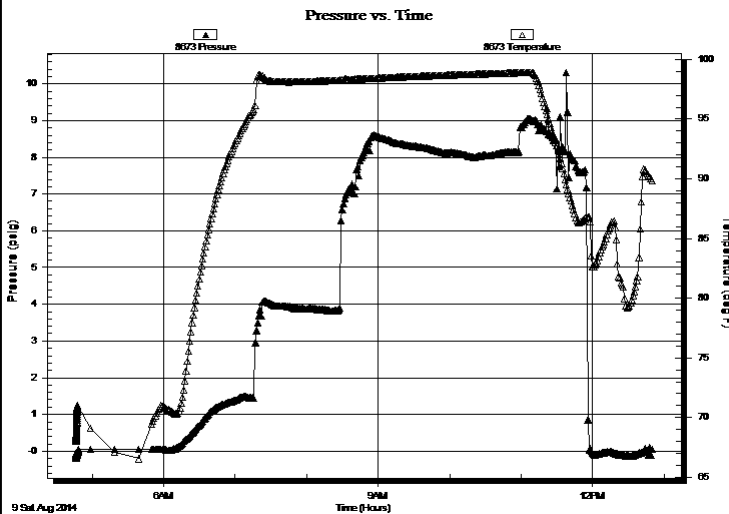
GENERAL INFORMATION:

Formation: **LKC "A-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:16:56
 Time Test Ended: 12:49:11
 Interval: **3039.00 ft (KB) To 3100.00 ft (KB) (TVD)**
 Total Depth: 3100.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 1919.00 ft (KB)
 1911.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8673 Fluid

Press@RunDepth: psig @ 3011.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.09 End Date: 2014.08.09 Last Calib.: 2014.08.09
 Start Time: 04:46:23 End Time: 12:49:52 Time On Btm:
 Time Off Btm:

TEST COMMENT: 010- IF- SLow ly built to .75"
 060- IS- No blow
 030- FF- No blow
 120- FS- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	CO	0.01
20.00	SOCM, 10%O 90%M	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates, Inc.

5-9S-16W Rooks, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Lola #1-5

Job Ticket: 58391

DST#: 1

ATTN: Chris Mitchell

Test Start: 2014.08.09 @ 04:46:56

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: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	CO	0.010
20.00	SOCM, 10%O 90%M	0.098

Total Length: 22.00 ft Total Volume: 0.108 bbl

Num Fluid Samples: 0

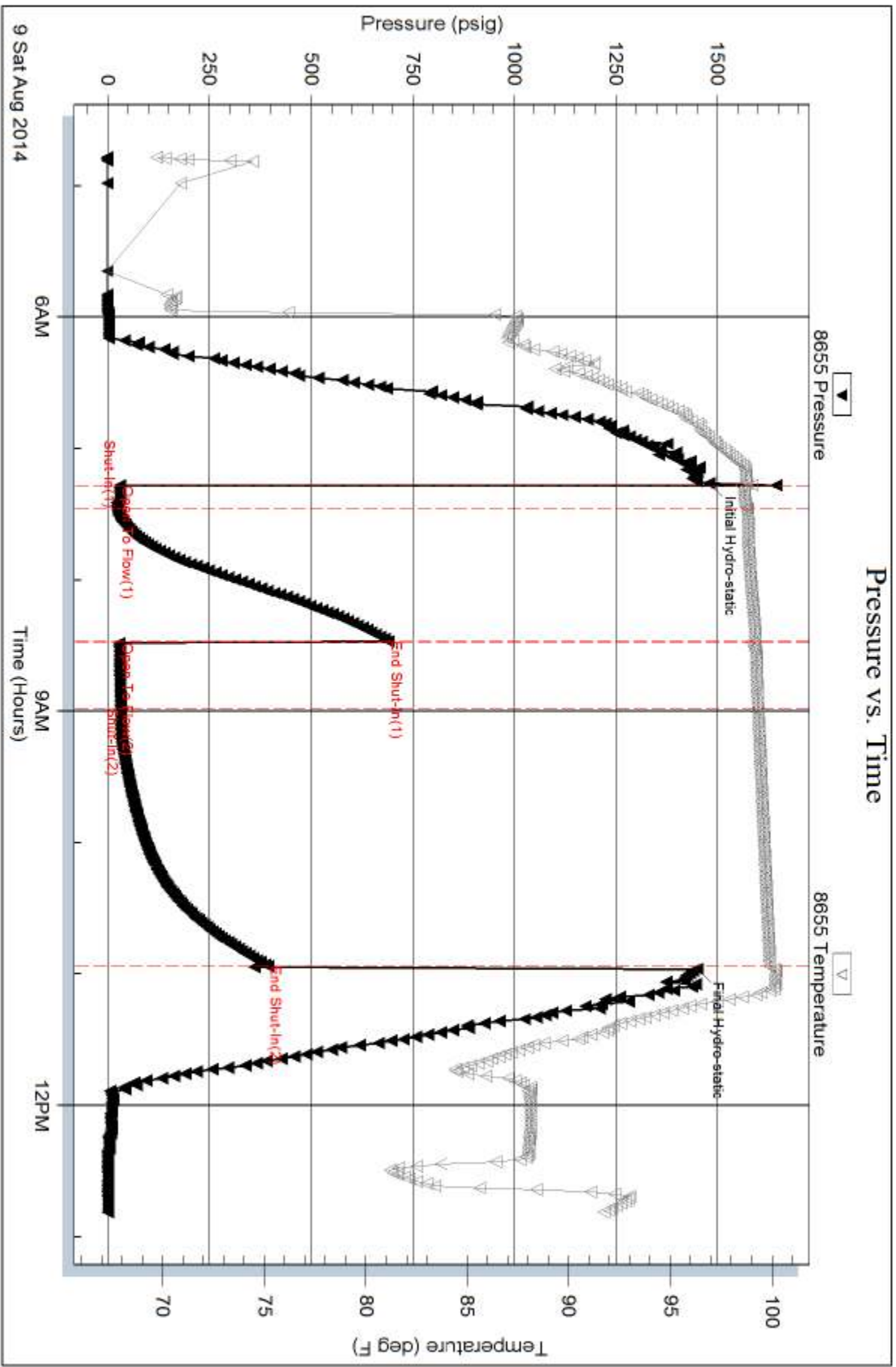
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 2000mL M w / oil spots @ 60PSI



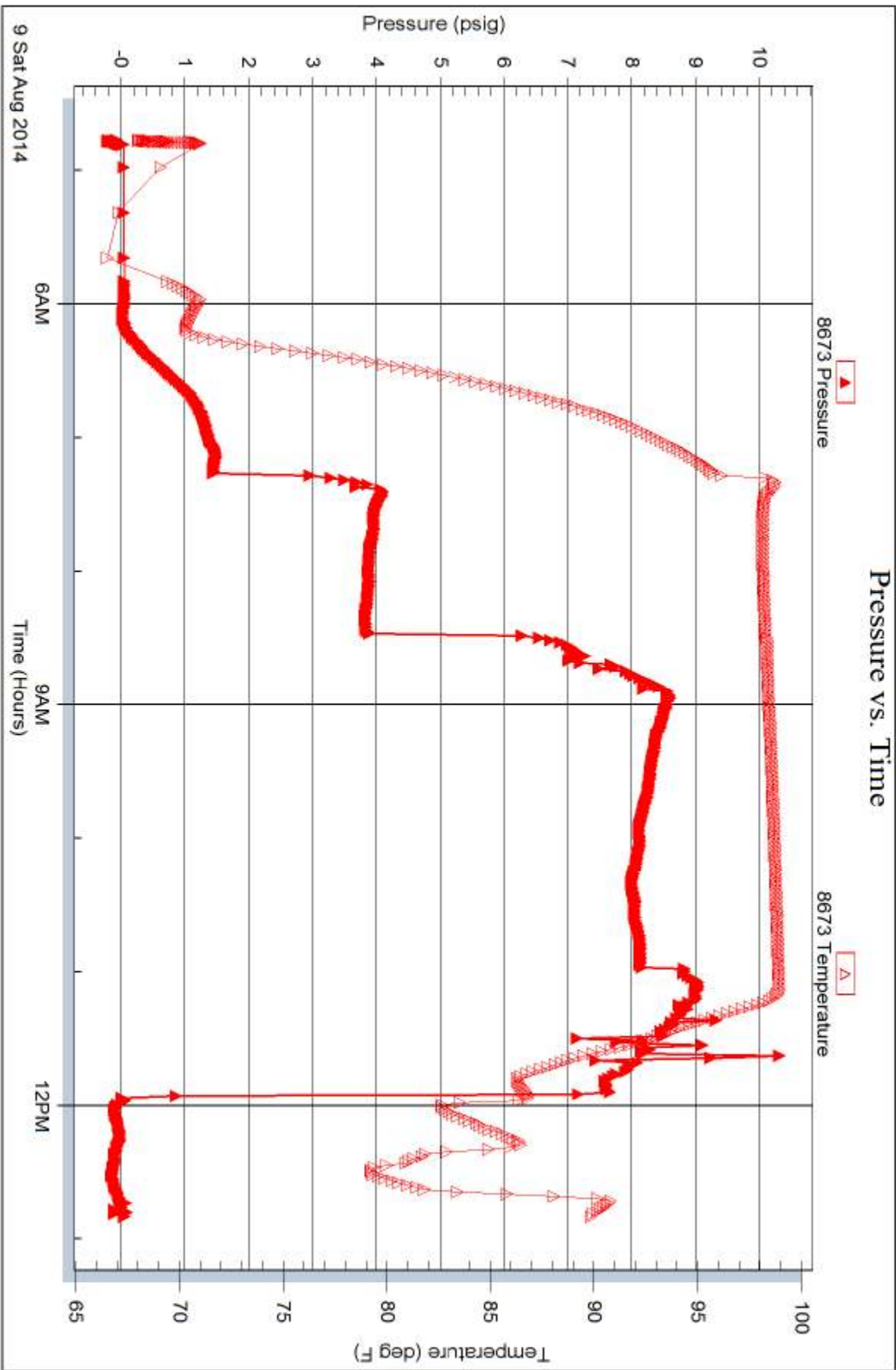
Serial #: 8673

Fluid

Samuel Gary Jr. & Associates, Inc.

Lot# 1-5

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

5-9S-16W Rooks, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Lola #1-5

Job Ticket: 58392

DST#: 2

ATTN: Chris Mitchell

Test Start: 2014.08.09 @ 23:01:34

GENERAL INFORMATION:

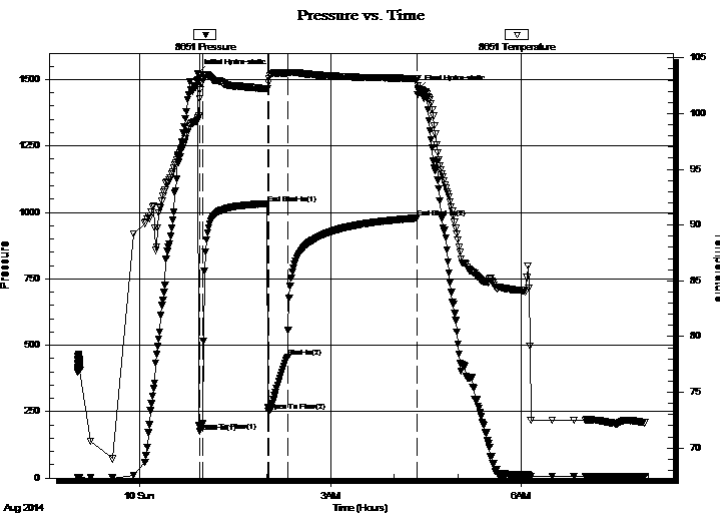
Formation: **LKC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:56:34
 Time Test Ended: 07:56:17
 Interval: **3150.00 ft (KB) To 3170.00 ft (KB) (TVD)**
 Total Depth: 3170.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 1919.00 ft (KB)
 1911.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8651

Inside

Press@RunDepth: 456.16 psig @ 3151.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.09 End Date: 2014.08.10 Last Calib.: 2014.08.10
 Start Time: 23:01:35 End Time: 07:56:17 Time On Btm: 2014.08.10 @ 00:54:34
 Time Off Btm: 2014.08.10 @ 04:22:34

TEST COMMENT: 005- IF- BOB 30secs
 060- FSI- Surface blow
 020- FF- BOB 45secs
 120- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1523.00	99.47	Initial Hydro-static
2	176.46	101.37	Open To Flow (1)
5	205.99	103.23	Shut-In(1)
66	1033.10	102.24	End Shut-In(1)
67	251.08	102.79	Open To Flow (2)
85	456.16	103.63	Shut-In(2)
207	978.38	103.15	End Shut-In(2)
208	1462.99	102.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
165.00	WM, 30%W 70%M	1.97
750.00	MW, 15%M 85%W	10.25

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

5-9S-16W Rooks, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Lola #1-5

Job Ticket: 58392

DST#: 2

ATTN: Chris Mitchell

Test Start: 2014.08.09 @ 23:01:34

GENERAL INFORMATION:

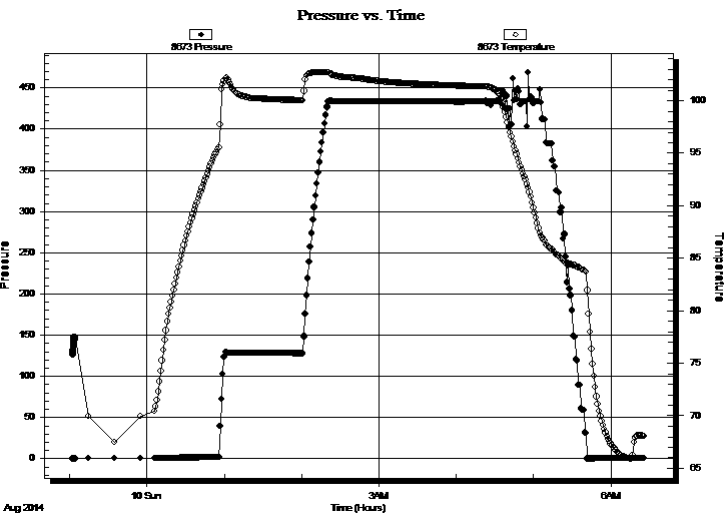
Formation:	LKC "G"			Test Type:	Conventional Bottom Hole (Reset)
Deviated:	No Whipstock:	ft (KB)		Tester:	Brannan Lonsdale
Time Tool Opened:	00:56:34			Unit No:	62
Time Test Ended:	07:56:17			Reference Elevations:	1919.00 ft (KB)
Interval:	3150.00 ft (KB) To 3170.00 ft (KB) (TVD)				1911.00 ft (CF)
Total Depth:	3170.00 ft (KB) (TVD)			KB to GR/CF:	8.00 ft
Hole Diameter:	7.88 inches	Hole Condition:	Fair		

Serial #: 8673

Fluid

Press@RunDepth:	psig @	3122.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2014.08.09	End Date:	2014.08.10	Last Calib.:	2014.08.10
Start Time:	23:02:25	End Time:	06:26:24	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 005- IF- BOB 30secs
 060- FSI- Surface blow
 020- FF- BOB 45secs
 120- FSI- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
165.00	WM, 30%W 70%M	1.97
750.00	MW, 15%M 85%W	10.25

* 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. & Associates, Inc.

5-9S-16W Rooks, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Lola #1-5

Job Ticket: 58392

DST#: 2

ATTN: Chris Mitchell

Test Start: 2014.08.09 @ 23:01:34

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:

90000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
165.00	WM, 30%W 70%M	1.974
750.00	MW, 15%M 85%W	10.245

Total Length: 915.00 ft Total Volume: 12.219 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 2000mL W @ 200PSI

Serial #: 8651

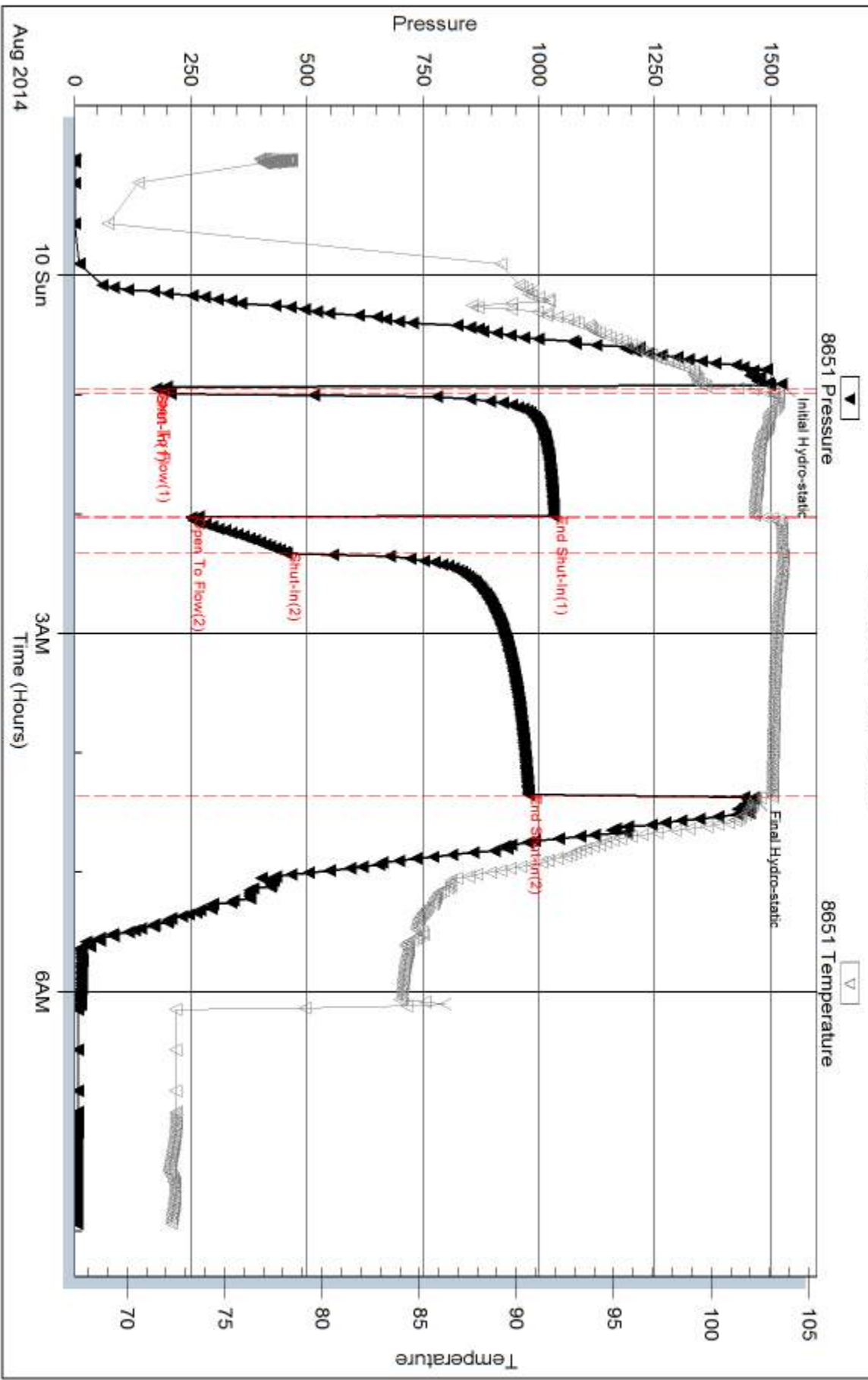
Inside

Samuel Gary Jr. & Associates, Inc.

Lot# #1-5

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 58392

Printed: 2014.08.11 @ 07:53:24

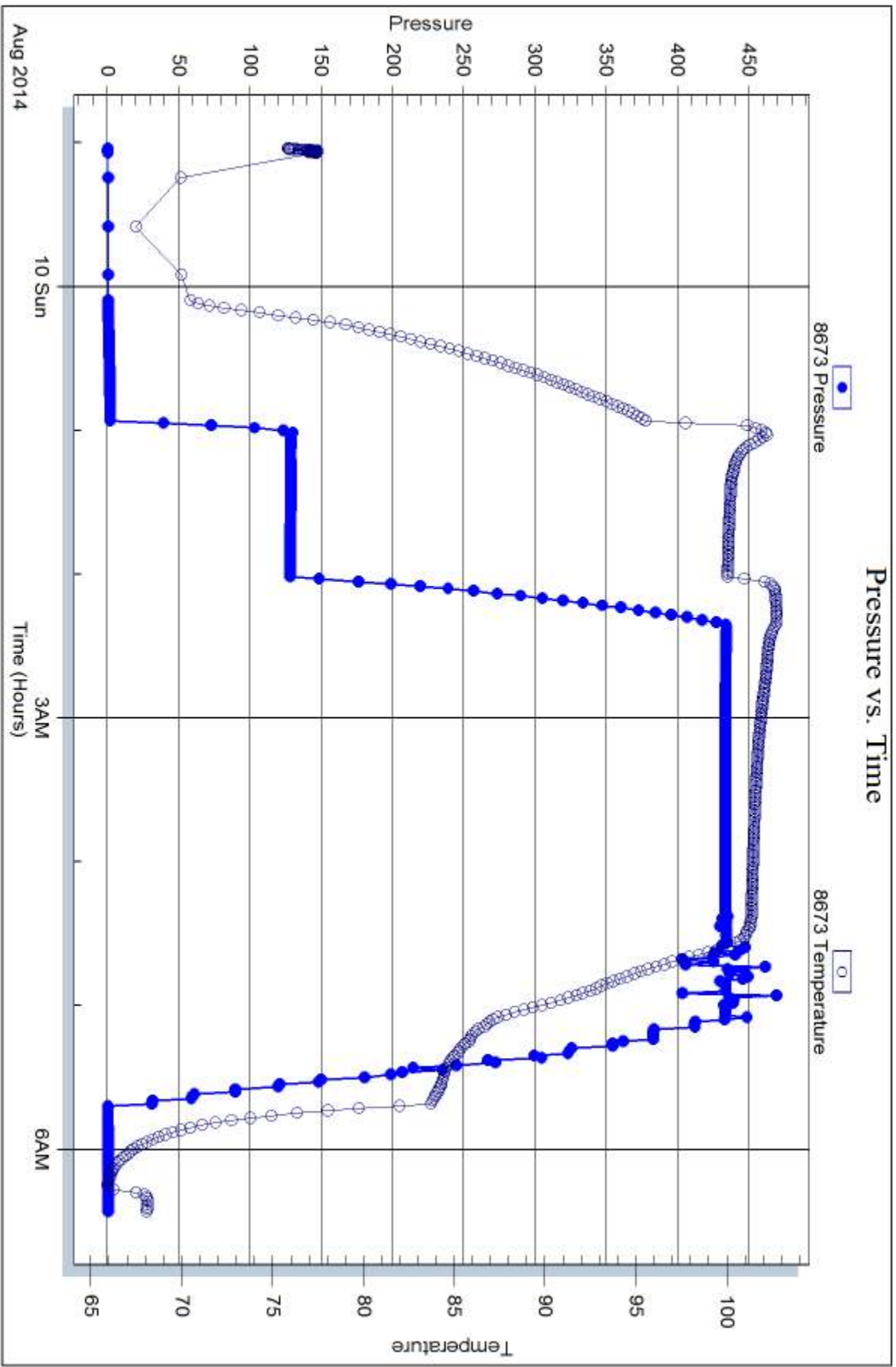
Serial #: 8673

Fluid

Samuel Gary Jr. & Associates, Inc.

Lot# 1-5

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 58392

Printed: 2014.08.11 @ 07:53:24



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

5-9S-16W Rooks, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Lola #1-5

Job Ticket: 58393

DST#: 3

ATTN: Chris Mitchell

Test Start: 2014.08.10 @ 17:19:27

GENERAL INFORMATION:

Formation: **LKC "I&J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:05:27

Time Test Ended: 00:18:27

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 3193.00 ft (KB) To 3254.00 ft (KB) (TVD)

Reference Elevations: 1919.00 ft (KB)

Total Depth: 3254.00 ft (KB) (TVD)

1911.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8651

Inside

Press@RunDepth: 31.91 psig @ 3194.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.10

End Date:

2014.08.11

Last Calib.:

2014.08.11

Start Time: 17:19:28

End Time:

00:18:27

Time On Btm:

2014.08.10 @ 19:03:27

Time Off Btm:

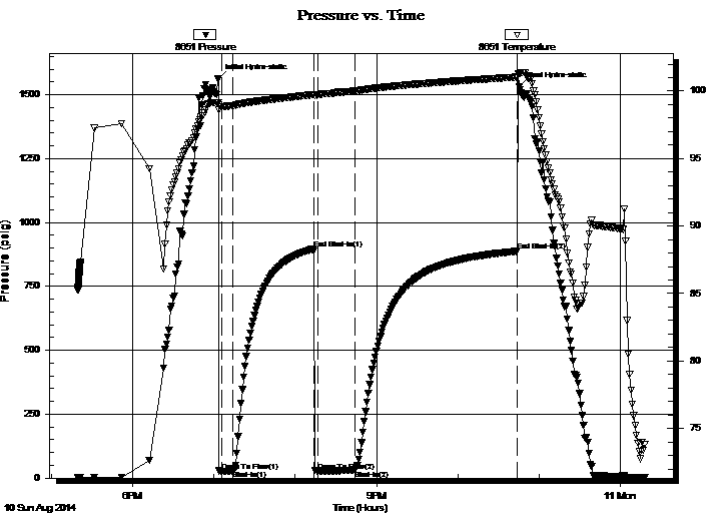
2014.08.10 @ 22:45:27

TEST COMMENT: 010- IF- Weak surface blow

060- IS- No blow

030- FF- No blow

120- FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1563.15	99.13	Initial Hydro-static
2	27.00	98.85	Open To Flow (1)
11	28.46	98.92	Shut-In(1)
70	897.08	99.73	End Shut-In(1)
73	28.16	99.71	Open To Flow (2)
101	31.91	100.00	Shut-In(2)
221	888.17	101.03	End Shut-In(2)
222	1530.84	101.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

5-9S-16W Rooks, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Lola #1-5

Job Ticket: 58393

DST#: 3

ATTN: Chris Mitchell

Test Start: 2014.08.10 @ 17:19:27

GENERAL INFORMATION:

Formation: LKC "I&J"		
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 19:05:27		Tester: Brannan Lonsdale
Time Test Ended: 00:18:27		Unit No: 62
Interval: 3193.00 ft (KB) To 3254.00 ft (KB) (TVD)		Reference Elevations: 1919.00 ft (KB)
Total Depth: 3254.00 ft (KB) (TVD)		1911.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 8.00 ft

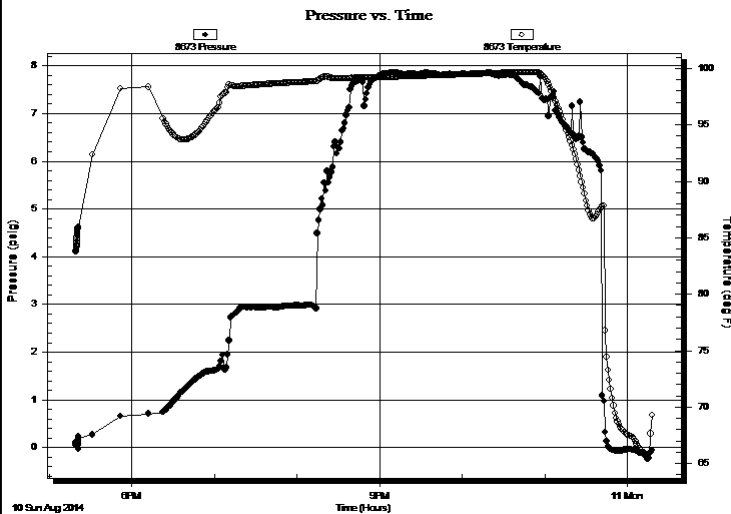
Serial #: 8673

Fluid

Press@RunDepth:	psig @	3165.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2014.08.10	End Date:	2014.08.11	Last Calib.: 2014.08.11
Start Time:	17:19:20	End Time:	00:18:19	Time On Btm:
				Time Off Btm:

TEST COMMENT: 010- IF- Weak surface blow
060- IS- No blow
030- FF- No blow
120- FS- No blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M	0.05

* 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. & Associates, Inc.

5-9S-16W Rooks, KS

1515 Wynkoop Ste. 700
Denver, CO 80202

Lola #1-5

Job Ticket: 58393

DST#: 3

ATTN: Chris Mitchell

Test Start: 2014.08.10 @ 17:19:27

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 2000mL M @ 185PSI

Serial #: 8651

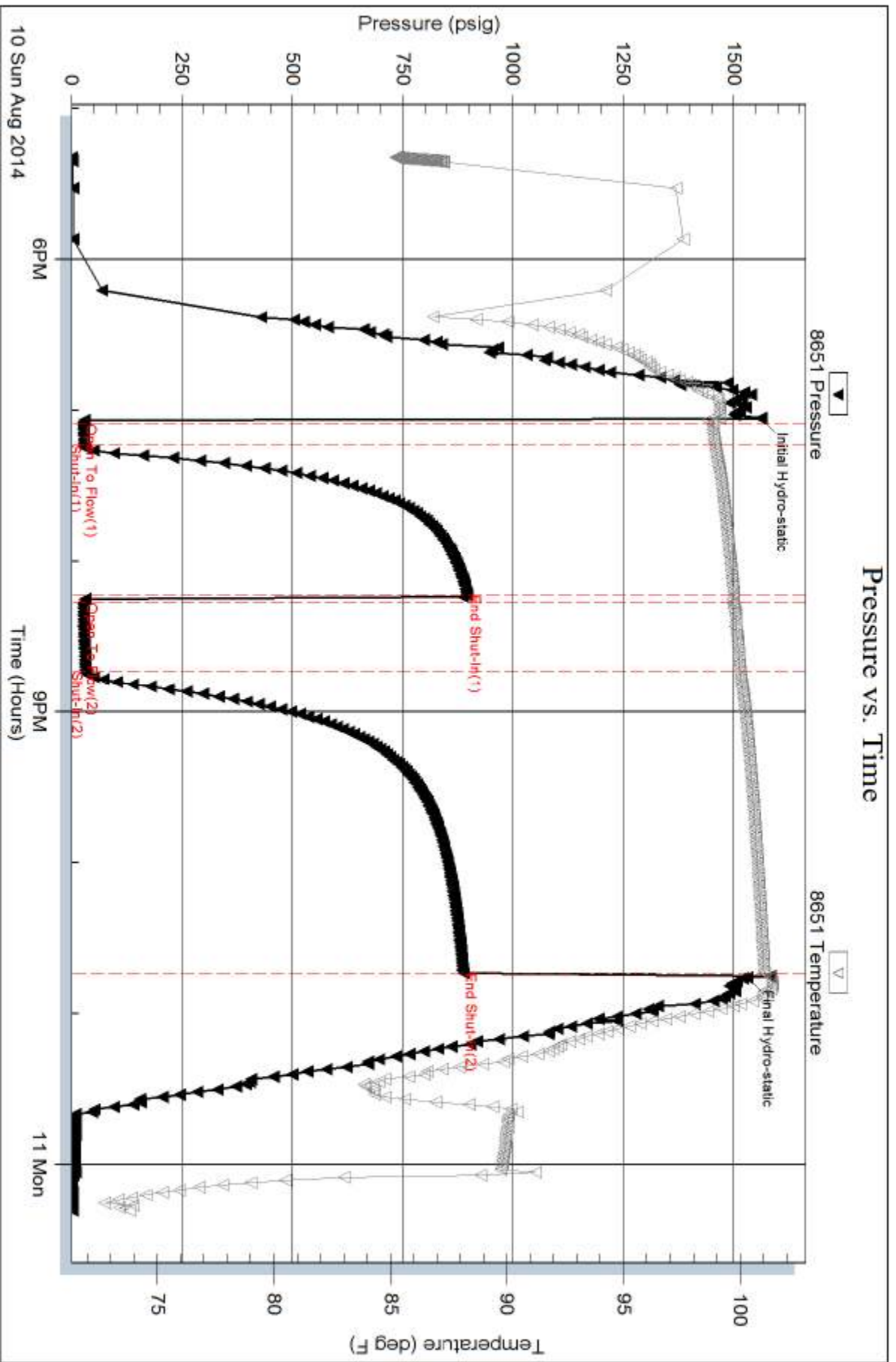
Inside

Samuel Gary Jr. & Associates, Inc.

Lot# 1-5

DST Test Number: 3

Pressure vs. Time



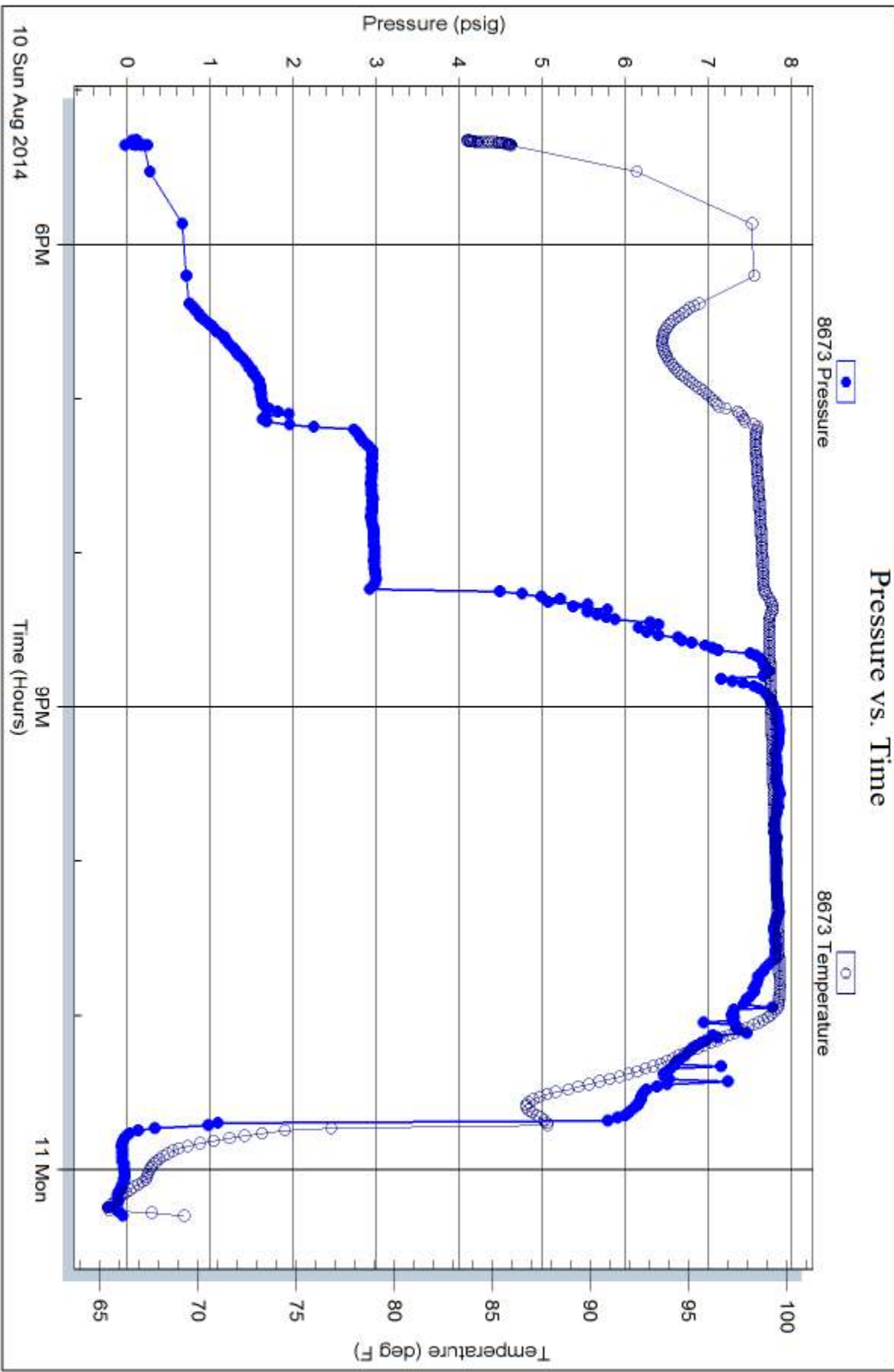
Serial #: 8673

Fluid

Samuel Gary Jr. & Associates, Inc.

Lot# #1-5

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 58393

Printed: 2014.08.11 @ 07:51:55



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

Well Name: LOLA 1-5
 Location: Sec. 5-9S-16W ROOKS County, Kansas
 License Number: 15-163-14141
 Spud Date:
 Surface Coordinates: 575' FSL/ 250' FWL
 Region: WILDCAT
 Drilling Completed: Aug 11, 2014
 Bottom Hole Coordinates:
 Ground Elevation (ft): 1911' K.B. Elevation (ft): 1919'
 Logged Interval (ft): 2750' To: 3459' Total Depth (ft): 3459'
 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: Jeff Quimby & Aaron Suelter
 Company: Earth Tech OGL, Inc.
 Address: PO Box 683
 Hooker, Okla . 73945
 Off. 888-543-8378 Cell: 580-754-0411

	DRILL STEM TEST REPORT				
	Samuel Gary Jr. & Associates, Inc. 1515 Wynkoop Ste. 700 Denver, CO 80202 ATTN: Chris Mitchell	5-9S-16W Rooks, KS Lola #1-5 Job Ticket: 58391 DST#: 1 Test Start: 2014.08.09 @ 04:46:56			
GENERAL INFORMATION:					
Formation: LKC "A-D"		Test Type: Conventional Bottom Hole (Initial)			
Deviated: No Whipstock: ft (KB)		Tester: Brannan Lonsdale			
Time Tool Opened: 07:16:56		Unit No: 62			
Time Test Ended: 12:49:11		Reference Elevations: 1919.00 ft (KB)			
Interval: 3039.00 ft (KB) To 3100.00 ft (KB) (TVD)		1911.00 ft (CF)			
Total Depth: 3100.00 ft (KB) (TVD)		KB to GRVCF: 8.00 ft			
Hole Diameter: 7.88 inches		Hole Condition: Fair			
Serial #: 8655 Outside					
Press@RunDepth: 32.47 psig @ 3040.00 ft (KB)		Capacity: 8000.00 psig			
Start Date: 2014.08.09 End Date: 2014.08.09		Last Calib.: 2014.08.09			
Start Time: 04:47:01 End Time: 12:49:10		Time On Btm: 2014.08.09 @ 07:15:41			
		Time Off Btm: 2014.08.09 @ 10:57:41			
TEST COMMENT: 010- F- Slowly built to .75" 060- IS- No blow 030- FF- No blow 120- FSI- No blow					
		PRESSURE SUMMARY			
		Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
		0	1479.72	98.75	Initial Hydro-static
		2	29.89	98.45	Open To Flow (1)
		12	24.56	98.75	Shut-in(1)
		73	690.79	99.18	End Shut-in(1)
		73	28.39	99.03	Open To Flow (2)
		103	32.47	99.30	Shut-in(2)
		221	393.81	99.89	End Shut-in(2)
		222	1450.04	100.14	Final Hydro-static
Recovery		Gas Rates			
Length (ft)	Description	Volume (bbl)	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2.00	OO	0.01			
20.00	SOCM, 10%O 90%M	0.10			



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.
1515 Wynkoop Ste. 700
Denver, CO 80202
ATTN: Chris Mitchell

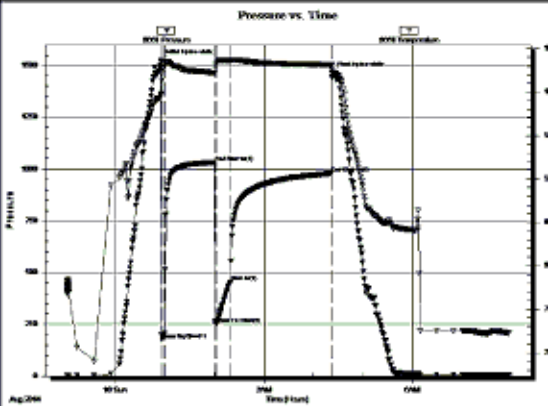
5-9S-16W Rooks, KS
Lola #1-5
Job Ticket: 58392 **DST#: 2**
Test Start: 2014.08.09 @ 23:01:34

GENERAL INFORMATION:

Formation: **LKC "G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:56:34
Time Test Ended: 07:56:17
Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan Lonsdale
Unit No: 62
Interval: **3150.00 ft (KB) To 3170.00 ft (KB) (TVD)**
Total Depth: 3170.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1919.00 ft (KB)
1911.00 ft (CF)
KB to GRVCF: 8.00 ft

Serial #: 8651 Inside
Press@RunDepth: 456.16 psig @ 3151.00 ft (KB)
Start Date: 2014.08.09 End Date: 2014.08.10
Start Time: 23:01:35 End Time: 07:56:17
Capacity: 8000.00 psig
Last Calib.: 2014.08.10
Time On Btm: 2014.08.10 @ 00:54:34
Time Off Btm: 2014.08.10 @ 04:22:34

TEST COMMENT: 005- F- BCB 30secs
060- FSI- Surface blow
020- FF- BCB 45secs
120- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1523.00	99.47	Initial Hydro-static
2	176.46	101.37	Open To Flow (1)
5	205.99	103.23	Shut-in(1)
66	1033.10	102.24	End Shut-in(1)
67	251.08	102.79	Open To Flow (2)
85	456.16	103.63	Shut-in(2)
207	978.38	103.15	End Shut-in(2)
208	1462.99	102.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
165.00	WM, 30%W 70%M	1.97
750.00	MV, 15%M 85%W	10.25

Gas Rates

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

* Recovery from multiple tests

Triobite Testing, Inc

Ref. No: 58392

Printed: 2014.08.11 @ 06:39:17



TRIOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.
1515 Wynkoop Ste. 700
Denver, CO 80202
ATTN: Chris Mitchell

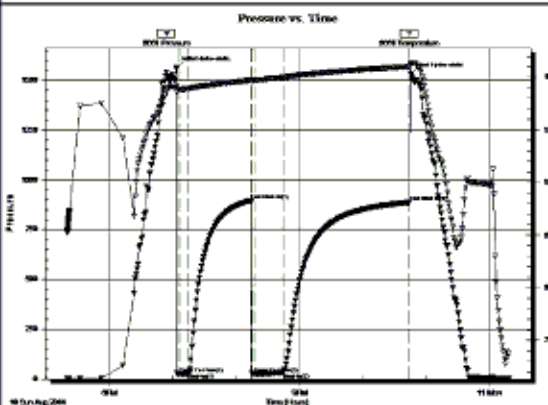
5-9S-16W Rooks, KS
Lola #1-5
Job Ticket: 58393 **DST#: 3**
Test Start: 2014.08.10 @ 17:19:27

GENERAL INFORMATION:

Formation: **LKC "I&J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:05:27
Time Test Ended: 00:18:27
Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan Lonsdale
Unit No: 62
Interval: **3193.00 ft (KB) To 3254.00 ft (KB) (TVD)**
Total Depth: 3254.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1919.00 ft (KB)
1911.00 ft (CF)
KB to GRVCF: 8.00 ft

Serial #: 8651 Inside
Press@RunDepth: 31.91 psig @ 3194.00 ft (KB)
Start Date: 2014.08.10 End Date: 2014.08.11
Start Time: 17:19:28 End Time: 00:18:27
Capacity: 8000.00 psig
Last Calib.: 2014.08.11
Time On Btm: 2014.08.10 @ 19:03:27
Time Off Btm: 2014.08.10 @ 22:45:27

TEST COMMENT: 010- F- Weak surface blow
060- ISI- No blow
030- FF- No blow
120- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1563.15	99.13	Initial Hydro-static
2	27.00	98.85	Open To Flow (1)
11	28.46	98.92	Shut-in(1)
70	897.08	99.73	End Shut-in(1)
73	28.16	99.71	Open To Flow (2)
101	31.91	100.00	Shut-in(2)
221	888.17	101.03	End Shut-in(2)
222	1530.84	101.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M	0.05

Gas Rates

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

* Recovery from multiple tests

Triobite Testing, Inc

Ref. No: 58393

Printed: 2014.08.11 @ 06:41:37

ROCK TYPES

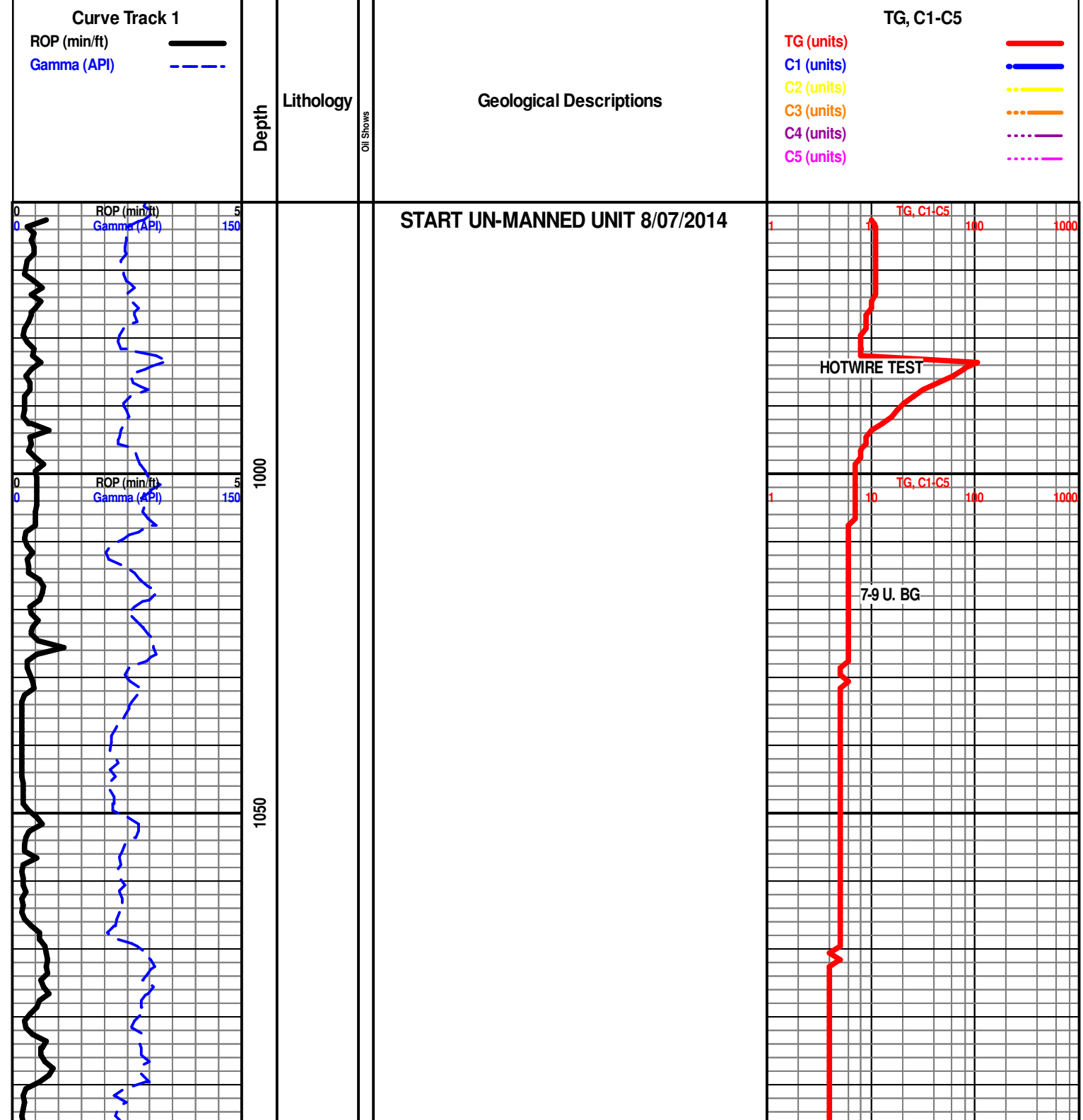
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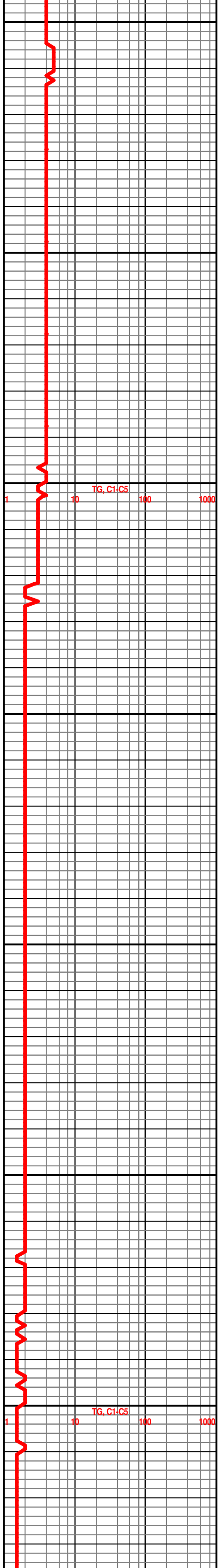
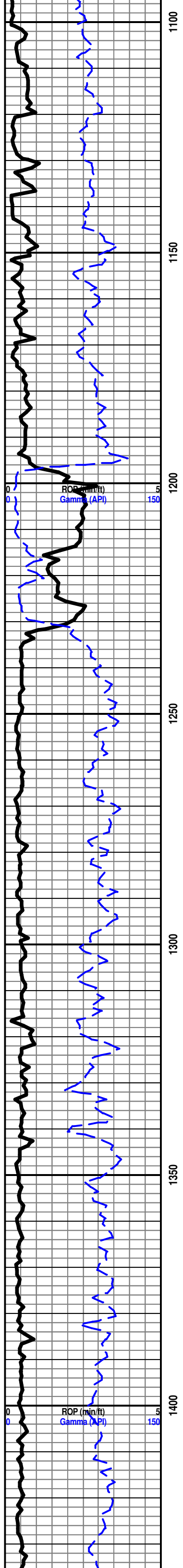
ACCESSORIES

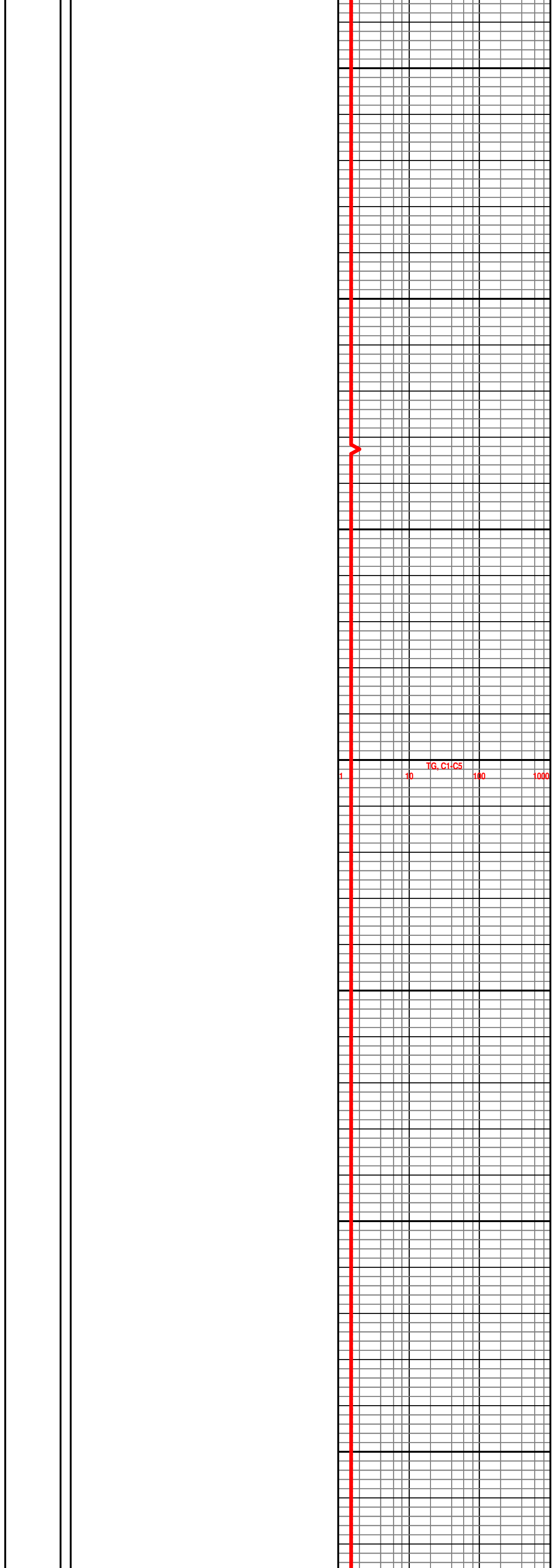
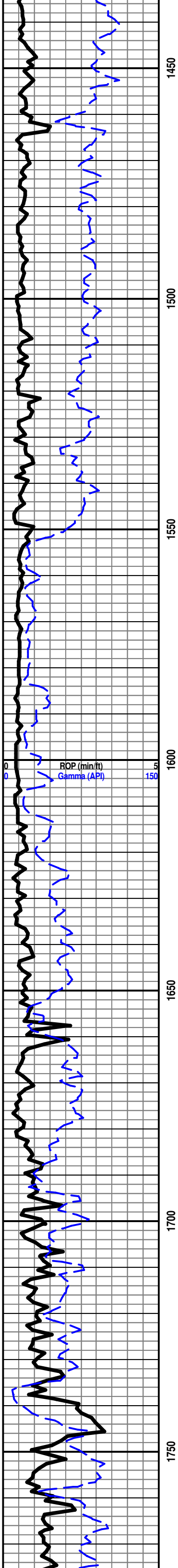
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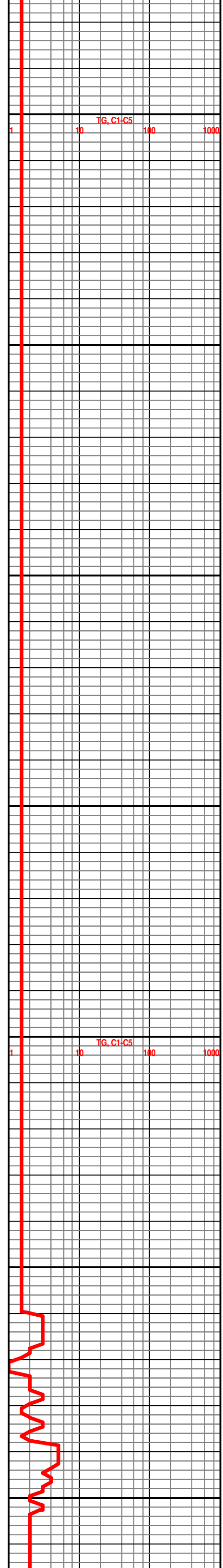
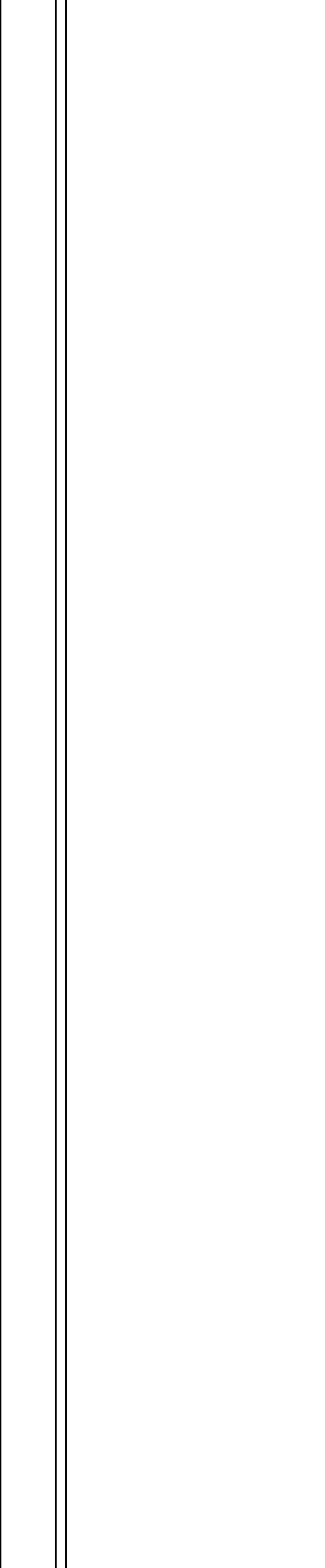
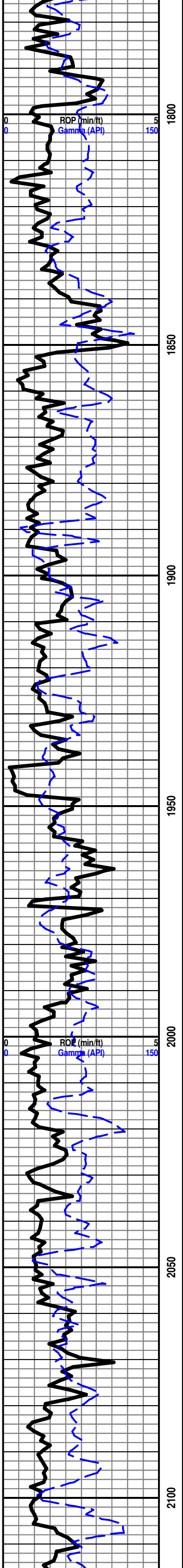
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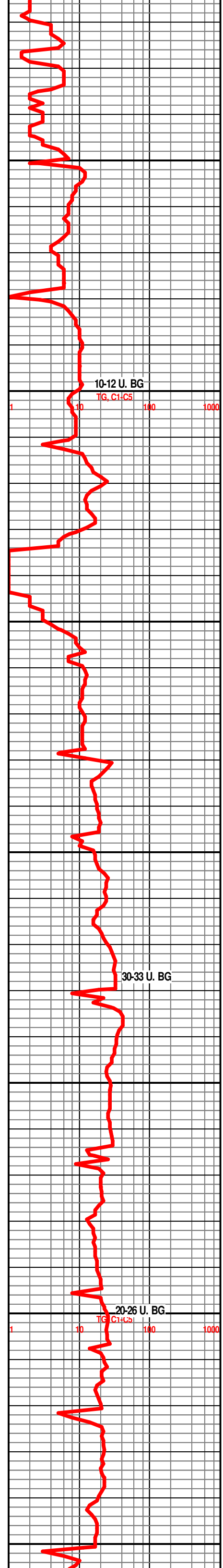
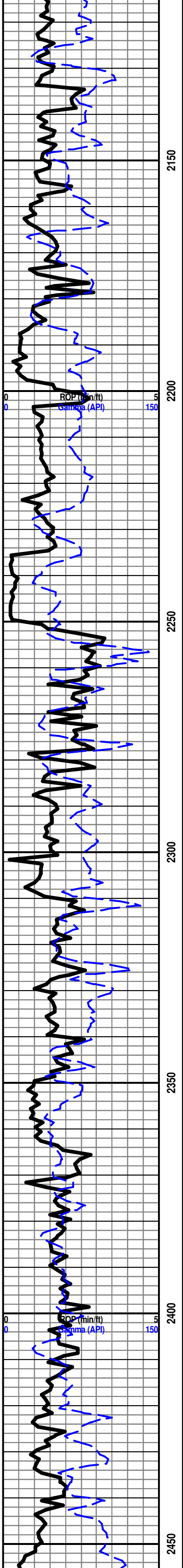
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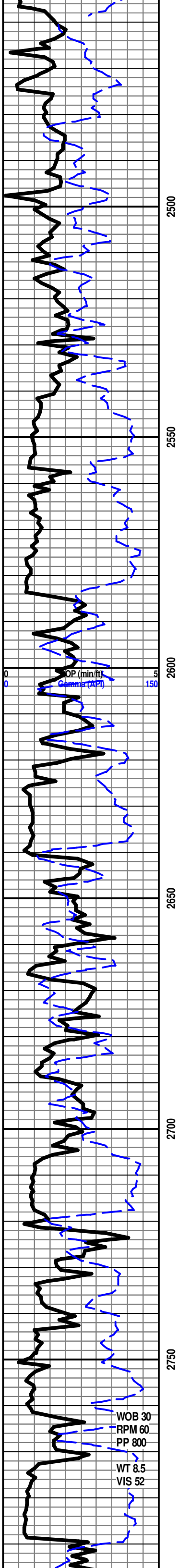




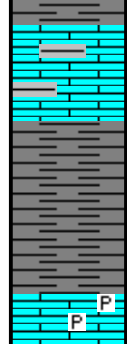








2500
2550
2600
2650
2700
2750



WOB 30
RPM 60
PP 800
WT 8.5
VIS 52

BASE ROOT SHALE 2584' -665'

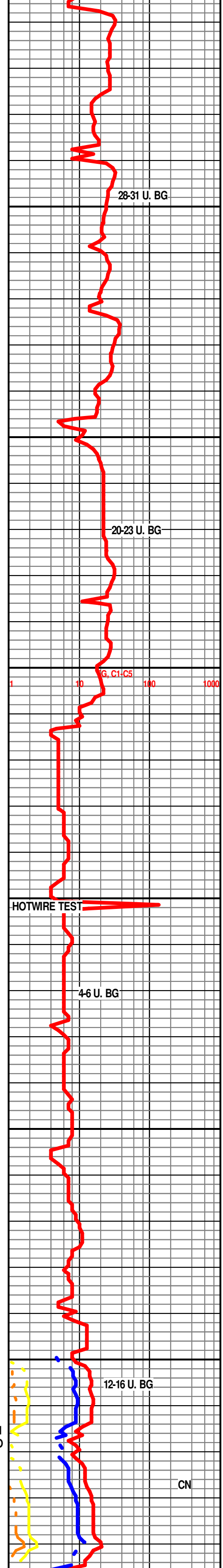
START MANNED UNIT 8/08/2014

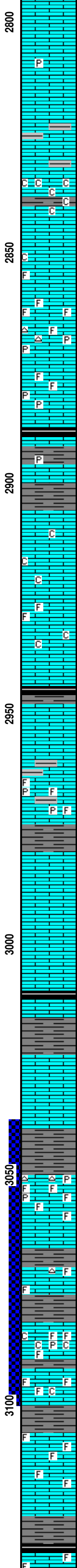
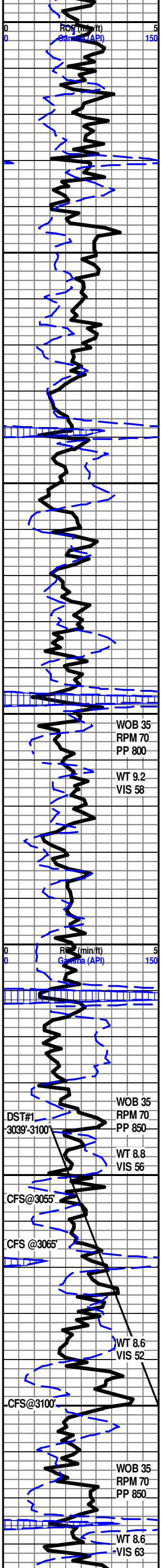
LS- OFF WHT CRM TO LT GRY IP, HD DNS, F-XLN, RE-XLN
MTRX IP TO SLI SUCRO MTRX IP, TR IMBD GRY SH IP, NO
VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- GRY LT GRY, FRM BRITT, BLKY

TOPEKA 2789' -870'

LS- OFF WHT WHT. HD DNS TO BRITT IP, F-XLN, SLI





RE-XLN MTRX IP PYR CLSTER IN TRAY, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

LS-OFF WHT WHT TO CRM IP, HD DNS TO BRITT, F-XLN, SUCRO MTRX IP, TR IMBD PYR IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT TO LT GRY, HD DNS, F-XLN, SLI RE-XLN MTRX IP, LMND GRY SH IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT WHT, HD BRITT TO SLI GMMY IP, WHT SFT GMMY CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT WHT CRM IP, HD DNS, F-XLN, ADBT IMBD FOSS FRGS IP, IMBD SFT WHT CHLK IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT WHT, HD DNS, F-XLN TO MD-F-XLN, SUCRO MTRX IP, SCATT IMBD PYR IP, SCATT IMBD FOSS FRGS, WHT OFF WHT CHRT IN TRAY, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- GRY MD GRY,FRM TO BRITT IP, IMBD PYR IP, BLK CARB IP, BLKY

LE COMPTON 2906' -987'

LS- OFF WHT WHT, HD TO BRITT IP, F-XLN TO V/F-XLN, SUB-CHLKY MTRX IP, IMBD WHT CHLK IP, DLL YEL FLO TO NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

LS- WHT TO CRM IP, HD DNS, F-XLN, IMBD MD TO LRG FOSS FRGS, IMBD SFT WHT CHLK IP, DLL YEL FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- DRK GRY GRY TO SLI BLK IP, SFT BRITT, BLKY TO SMTH BLKY

2950'-2951' LS- OFF WHT TO TN (DUE TO TN OIL STAIN ON 30%), HD DNS TO SLI BRITT IP, F-XLN, SUCRO MTRX SLI RE-XLN IP, DLL YEL GLD FLO IN 45%, SCATT PR TO FR MICRO PP POR IN 20% GD VUG POR IN 8%, GD FLSH CUT IN 50% EXCEL SLW STRM CUT IN 40%, PR OIL ODOR

LS- GRY MOTTED OFF WHT, HD DNS, MD-F-XLN, RE-XLN MTRX IP, IMBD FOSS FRGS, IMBD GRY SH, IMBD PYR IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

SH- DRK GRY TO BLK IP, SFT BRITT, SMTH BLKY TO BLKY

2931'-2933' LS- OFF WHT WHT TO LT TN (DUE TO LT TN TO TN OIL STAIN ON 25%), HD BRITT, MD-XLN, SUCRO MTRX THRU, IMBD MD TO LRG FOSS FRGS, BRIT YEL GLD FLO IN 5% DLL YEL GLD FLO IN 20%, INTER FOSS POR IN 13% TO SCATT PR TO FR MICRO PP POR IN 10%, FR TO GD FLSH CUT IN 45%, GD TO EXCEL SLW STRM CUT IN 35%, PR OIL ODOR

3000'-3002' LS- OFF WHT TN TO LT TN (DUE TO LT TN OIL STAIN ON 30%, TN OIL STAIN ON 10%), HD BRITT, MD-XLN, SUCRO MTRX THRU, SCATT IMBD FOSS FRGS IP, SCATT IMBD PYR IP, TR IMBD CALC XLS IP, DLL YEL GLD FLO IN 40% BRIT YEL GLD FLO IN 5%, GD MICRO PP POR IN 50% FR INTER FOSS POR IN 4%, FR INST FLSH CUT THRU, GD SLW STRM CUT IN 50%, LT TN TO TN LCH ON DISH, PR OIL ODOR

HEEBNER 3010' -1091'

3032'-3035' LS- WHT OFF WHT TO DRK TN IP (DUE TO DRK TN OIL STAIN ON 15%), HD BRITT, F-XLN, SUCRO MTRX THRU, DLL YEL GLD FLO IN 20%, PR TO FR MICRO PP POR IN 15%, PR FLSH CUT IN 40%, PR SLW STRM CUT IN 17%, NO OIL ODOR

LANSING 3050' -1131'

3053'-3055' LS- OFF WHT TN TO LT TN (DUE TO LT TN OIL STAIN ON 50% TN OIL STAIN ON 14%), HD DNS TO BRITT IP, MD-XLN, SUCRO MTRX IP TO RE-XLN MTRX IP, ADBT IMBD FOSS FRGS IP, IMBD PYR IP, OFF WHT CHRT IN TRAY, BRIT YEL GLD FLO IN 35% DLL YEL GLD FLO IN 14%, SCATT GD INTER FOSS POR IN 25%, FR MICRO PP POR IN 20%, GD INST FLSH CUT IN 70%, GD TO EXCEL SLW STRM CUT IN 35%, FR SLW STRM CUT IN 15%, GD OIL ODOR, TN LCH ON DISH

LS- TN TO DK TN, HD DNS TO BRIT IP, V/F TO F XLN MTRX, S-SUCRO IP, SLI TR IMBD FOSS FRG IP, SLI TR TN TO ORNG CHRT IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LANSING "C" 3083' -1164'

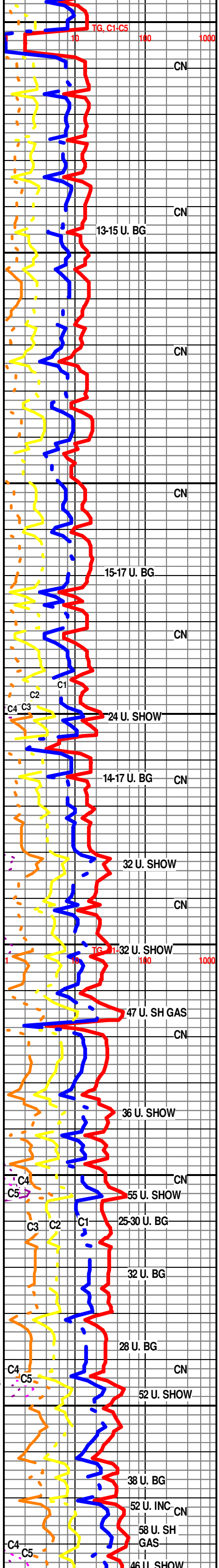
LS- OFF WHT TO CRM, HD DNS TO VBRIT, V/F TO F XLN CHLKY MTRX, SCAT IMBD FOSS FRG IP, SLI TR PYR IN TRAY, SLI TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

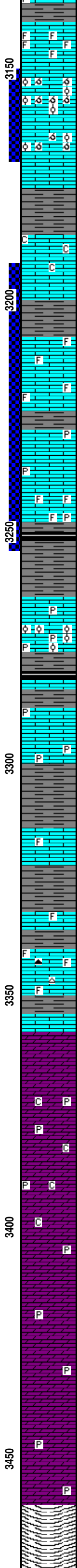
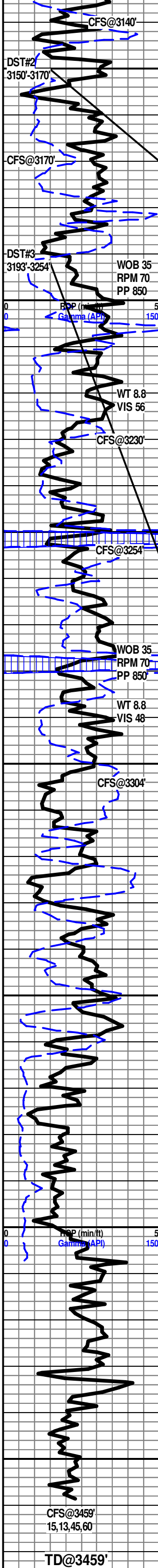
3094'-3097' LS- OFF WHT CRM TO LT TN W/ LT TN OIL STN IN 80%, HD DNS TO BRIT IP, V/F TO F XLN MTRX, ADBT IMBD FOSS FRG THRU, SLI TR SFT WHT CHLK IN TRAY, BRIT YEL GLD FLO IN 90%, FR TO GD INTR FOSS POR IN 5%, FR VUG POR IN 2%, V/WK FLSH CUT IN 90%, WK TO PR SLOW STRM IN 90%, LT TN LCH ON DISH, WK OIL ODOR

3116'-3117' LS- CRM TO LT TN W/ TN OIL STN IN 40%, HD DNS TO BRIT IP, V/F TO F XLN RE-XLN MTRX, TR IMBD FOSS FRG IP, DUL YEL GLD FLO IN 40%, BRIT YEL GLD FLO IN 10%, PR INTR XLN POR IN 3%, PR TO FR VUG POR IN 2%, WK FLSH CUT IN 30%, PR TO FR SLW STRM IN 40%, LT TN LCH ON DISH, WK OIL ODOR

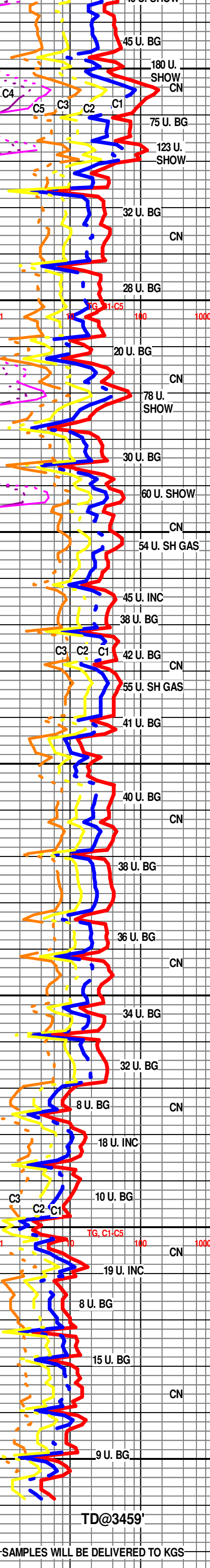
LANSING "F" 3132' -1213'

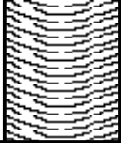
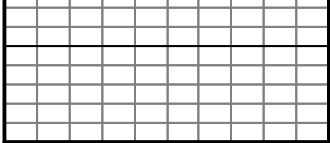
3133'-3134' LS- LT TN TO TN W/ TN OIL STN IN 25%, HD DNS, V/F TO F XLN, S-SUCRO IP, SCAT IMBD FOSS FRG IP, SLI TR IMBD CALC XLS IP, DUL YEL GLD FLO IN 30%, PR TO FR VUG POR IN 2%, WK FLSH CUT IN 35%, FR SLW STRM IN 35%, NO LCH ON DISH, WK OIL ODOR





3142'-3144' LS- TN TO DK TN W/ TN OIL STN IN 40%, HD DNS, V/F TO F XLN MTRX, RE-XLN IP, ABDT IMBD FOSS FRG THRU, BRT YEL GLD FLO IN 20%, DUL YEL GLD FLO IN 20%, PR TO FR INTR FOSS POR IN 3%, FR FLSH CUT IN 50%, PR TO FR SLW STRM IN 50%, TN LCH ON DISH
 3154'-3157' LS- TN TO DK TN W/ TN OIL STN IN 85%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, ABDT OOLMLD THRU, DUL YEL GLD FLO IN 85%, FR TO GD INTR OOL POR IN 4%, GD OOLMLD POR IN 15%, V/GD FLSH CUT IN 90%, GD TO V/GD MLKY BLU SLW STRM IN 90%, DK TN LCH ON DISH, STRG OIL/SULFUR ODOR
 3166'-3168' LS- CRM TO DK TN W/ TN OIL STN IN 60%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, RE-XLN IP, IMBD OOL IP, OOLMLD IP, TR IMBD CALC XLS IP, DUL YEL GLD FLO IN 40%, BRT YEL GLD FLO IN 10%, FR TO GD VUG POR IN 2%, GD OOLMLD POR IN 5%, FR FLSH CUT IN 50%, FR TO GD SLW STRM IN 50%, TN LCH ON DISH, FR OIL/SULFUR ODOR
LANSING "H" 3186' -1267'
 LS- OFF WHT TO CRM, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, S-CHLKY, SCAT IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW
 SH- RED BRWN TO GY, FRM BLKY TO SFT GMMY, SMTH TXT
 3218'-3221' LS- CRM TO LT TN W/ TN OIL STN IN 60%, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, IMBD FOSS FRG THRU, DUL YEL GLD FLO IN 60%, PR INTR FOR POR IN 2%, FR MICRO VUG POR IN 3%, GD FLSH CUT IN 60%, FR TO GD SLW STRM IN 60%, TN LCH ON DISH
 3228'-3231' LS- CRM TO LT TN W/ TN OIL STN IN 75%, HD DNS TO BRIT, F TO MD XLN RE-XLN MTRX, TR IMBD DISS PYR, SLI TR IMBD CALC XLS IP, TR SFT WHT CHLK IN TRAY, DUL YEL GLD FLO IN 75%, PR TO FR INTR XLN POR IN 3%, GD FLSH CUT IN 80%, GD TO V/GD MLKY BLU SLW STRM IN 80%, DK TN LCH ON DISH
 3241'-3242' LS- LT TN TO TN W/ TN OIL STN IN 50%, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, IMBD FOSS FRG THRU, SLI TR IMBD DISS PYR IP, DUL YEL GLD FLO IN 50%, PR INTR FOSS POR IN 3%, PR TO FR MICRO VUG POR IN 3%, FR FLSH CUT IN 50%, FR TO GD SLW STRM IN 50%, LT TN LCH ON DISH
 SH- BRWN GY TO DK GY, FRM BLKY, SMTH TXT
 3270'-3274' LS- LT TN TO TN W/ TN OIL STN IN 75%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, TR PYR IN TRAY, DUL YEL GLD FLO IN 80%, FR TO GD INTR OOL POR IN 4%, GD FLSH CUT IN 75%, GD TO V/GD MLKY BLU SLW STRM IN 80%, DK TN LCH ON DISH, FR OIL ODOR, OIL DROPLETS IN DISH
 LS- TN TO DK TN, HD DNS TO BRIT IP, V/F TO F XLN MTRX, S-CHLKY IP, SLI TR FOSS FRG IP, TR PYR IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW
BKC 3302' -1367'
 SH- BRWN GY TO DK GY, FRM BLKY TO SFT GMMY, SMTH TXT
 LS- OFF WHT TO CRM, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, SCAT IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW
 SH- BRWN LT GY TO GY, FRM BLKY TO SFT GMMY, SMTH TO SLTY TXT
 LS- OFF WHT TO CRM, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, IMBD FOSS FRG IP, BRWN TO OFF WHT CHRT IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW
ARBUCKLE 3359' -1440'
 DOLO- CRM TN TO DK TN, HD DNS TO BRIT IP, V/F OT F XLN SUCRO MTRX, ABDT IMBD SM TO MD S-ANG TO AND DOLO GRNS THRU, NO VIS FLO, PR INTR GRN POR IN 3%, NO VIS POR
 DOLO- CRM LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD SM TO MD S-ANG TO AND DOLO GRNS THRU, IMBD PYR IP, NO VIS FLO, PR TO FR INTR GRN POR IN 5%, NO VIS SHOW
 DOLO- OFF WHT CRM TO LT TN, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, ABDT IMBD F TO CRS S-ANG TO AND DOLO GRNS THRU, SCAT IMBD PYR IP, SFT WHT CHLK IN TRAY, NO VIS FLO, FR INTR GRN POR 7%, NO VIS SHOW
 DOLO- CRM LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD SM TO MD S-ANG TO ANG DOLO GRNS THRU, TR IMBD DISS PYR IP, NO VIS FLO, PR TO FR INTR GRN POR IN 6%, NO VIS SHOW
 DOLO- CRM LT TN TO DK TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD MD TO CRS S-ANG TO AND DOLO GRNS THRU, IMBD DISS PYR IP, NO VIS FLO, FR INTR GRN POR IN 8%, NO VIS SHOW
 DOLO- CRM LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD MD TO CRS S-ANG TO ANG DOLO GRNS THRU, SCAT IMBD DISS PYR IP, NO VIS FLO, FR INTR GRN POR IN 7%, NO VIS SHOW
 R.T.D. @ 3:00 PM 8/11/14
 CFS 1.5 HOURS
 DROP SURVEY





TOFL
WEATHERFORD/LIBERAL

THANK YOU FOR CHOOSING EARTH TECH
AARON SUELTER