



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1091065
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: _____

1091065

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	SCHECK 1-10
Doc ID	1091065

All Electric Logs Run

DIL
MICRO
POR
SONIC
SPECTRAL

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner

Sam Brownback, Governor

August 17, 2012

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

Re: ACO1
API 15-165-21968-00-00
SCHECK 1-10
NW/4 Sec.10-16S-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 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: 5/1/2012
 Invoice # 496

P.O.#:

Due Date: 5/31/2012

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:
 SCHECK 1-10

Description of Work:
 LONG SURFACE JOB

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	325	\$ 4,185.28	Yes				
8 5/8" Basket	3	\$ 1,000.67	Yes				
Bulk Truck Mat-Material Service Charge	343	\$ 724.11	No				
Calcium Chloride	12	\$ 477.03	Yes				
Pump Truck Mileage-Job to Nearest Camp	25	\$ 263.36	No				
8 5/8" Centralizer	3	\$ 202.67	Yes				
Flo Seal	81	\$ 171.00	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	25	\$ 154.11	No				
8 5/8" Top Rubber Plug	1	\$ 111.89	Yes				
Premium Gel (Bentonite)	6	\$ 103.11	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 8,452.07

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,267.81)

SubTotal for Taxable Items: \$ 5,394.64

SubTotal for Non-Taxable Items: \$ 1,789.62

Total: \$ 7,184.26

Tax: \$ 339.86

6.30% Rush County Sales Tax

Amount Due: \$ 7,524.12

Applied Payments:

Balance Due: \$ 7,524.12

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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DRUG COMP W/O LOE GG

Account	8200-138
Well/Prospect	
Deck	
AFE	
Approval	
Description	

RECEIVED

MAY 04 2012

SAMUEL GARY JR.
 & ASSOCIATES, INC.

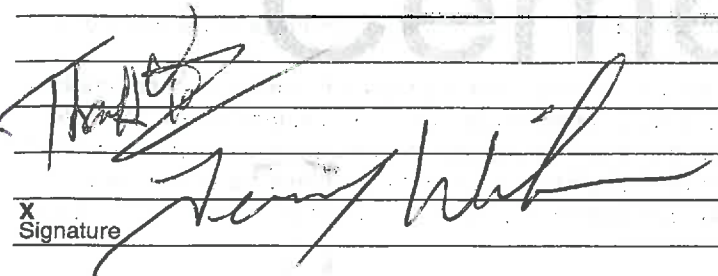
QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

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

No. 496

Date	4-28-12	Sec.	10	Twp.	16	Range	16	County	LeFlore Rich Kansas	State		On Location		Finish	2:00pm
Lease	Scheck	Well No.	1-10		Location		Galatia T1W 3N 1E								
Contractor	Discovery Drilling Rig 2				Owner		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Type Job	Surface				Charge To		Sam Greig Jr & Assoc								
Hole Size	12 1/4		T.D.		821		Street								
Csg.	8 3/8 23lb		Depth		821		City								
Tbg. Size			Depth				State								
Tool			Depth				The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.	42.54		Shoe Joint		42.54		Cement Amount Ordered 325 Comcon								
Meas Line			Displace		49 1/2 Bbl		325 2 1/2" 3/4" Fl Seal								
EQUIPMENT															
Pumptrk	5	No.	Cementer	Steve		Common		325							
			Helper			Poz. Mix									
Bulktrk	10	No.	Driver	Brian		Gel.		6							
			Driver			Calcium		12							
Bulktrk		No.	Driver	Brian		Hulls									
			Driver			Salt									
JOB SERVICES & REMARKS															
Remarks:	Cement did Circulate														
Rat Hole															
Mouse Hole													Flowseal 87#		
Centralizers													Kol-Seal		
Baskets													Mud CLR 48		
D/V or Port Collar													CFL-117 or CD110 CAF 38		
													Sand		
													Handling 343		
													Mileage		
FLOAT EQUIPMENT															
													Guide Shoe		
													Centralizer 3		
													Baskets 3		
													AFU Inserts		
													Float Shoe		
													Latch Down		
													Ball Valve		
													Rubber Plug		
													Pumptrk Charge Long Surface		
													Mileage 25		
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: 5/9/2012
 Invoice # 952

P.O.#:
 Due Date: 6/8/2012
 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:
 SCHECK 1-10

Description of Work:
 PROD LONG STRING

RECEIVED

MAY 16 2012

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

DRLG COMP W/O LOE GG

Account	8300. 238
Well/Prospect	
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No	Pump Truck Mileage-Job to Nearest Camp	25	\$270.89	No
Common-Class A	225	\$ 2,980.29	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$243.20	Yes
Gilsonite	1057	\$ 1,721.40	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	25	\$158.51	No
CFL 117	176	\$ 1,177.09	Yes	Flo Seal	56	\$121.60	Yes
5 1/2" Basket	3	\$ 749.14	Yes	KCL	2	\$64.84	Yes
Bulk Truck Mat-Material Service Charge	254	\$ 551.54	No				
CD-110	117	\$ 508.11	Yes				
5 1/2" Turbolizer	8	\$ 503.77	Yes				
Defoamer A or CAF-38	50	\$ 380.00	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 332.23	Yes				
Salt (Fine)	19	\$ 287.97	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 11,041.97
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (1,656.30)

SubTotal for Taxable Items:	\$ 7,709.20
SubTotal for Non-Taxable Items:	\$ 1,676.48
Total:	\$ 9,385.68
Tax:	\$ 485.68
Amount Due:	\$ 9,871.36
Applied Payments:	
Balance Due:	\$ 9,871.36

6.30% Ellis 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. 952

Date	5-3-12	Sec.	Twp.	Range	County	State	On Location	Finish
Lease	Scheck	Well No.	1-10	Location	Galatia 7W 2N	Ellis	Kansas	5:45pm
Contractor	Discovery Drilling Co	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Type Job	Langstring	Hole Size	7 7/8	T.D.	3620	Charge To	Sam Leroy Jr & Assoc	
Csg.	5" 15.50lb	Depth	3613	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.		Shoe Joint		Cement Amount Ordered	225 Q ProC 10% Salt 58 lb/ton			
Meas Line		Displace	85 Bbl	4 1/2 Fl Seal, 3" (FL 110, 8 CD 10, 250 LPT-8)				

EQUIPMENT

Pumptrk	5	No.	Cementer	Steve
			Helper	
Bulktrk	14	No.	Driver	Blatt
			Driver	
Bulktrk		No.	Driver	Dia
			Driver	

Common	225
Poz. Mix	
Gel.	C.D 110 117#
Calcium	KCL 2 gal
Hulls	
Salt	19
Flowseal	56#
Kol-Seal	1057
Mud CLR 48	500 gal
CFL-117 or CD110 CAF 38	50#
Sand	> 176#
Handling	254
Mileage	

JOB SERVICES & REMARKS

Remarks:
Rat Hole 30x
Mouse Hole 20x
Centralizers 1 3 5 7 9 11 13 15
Baskets 3 9 15
D/V or Port Collar

Land plus @ 1300 ft

Flad Held

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	8 Turbas
Baskets	3
AFU Inserts	
Float Shoe	1
Latch Down	
Rotating Head	

Pumptrk Charge
Mileage 25

[Signature]

Tax
Discount
Total Charge

X Signature



DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr & Associates**

1515 Wynkoop Ste 700
Denver Co 80202

ATTN: Clayton Camozzi

Scheck #1-10

10-16s-16w Rush,KS

Start Date: 2012.05.01 @ 10:34:05

End Date: 2012.05.01 @ 19:04:29

Job Ticket #: 47268 DST #: 1

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

Printed: 2012.05.04 @ 14:19:33



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr & Associates

10-16s-16w Rush, KS

1515 Wynkoop Ste 700
Denver Co 80202

Scheck #1-10

Job Ticket: 47268

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2012.05.01 @ 10:34:05

GENERAL INFORMATION:

Formation: **LKC"C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:14:00

Time Test Ended: 19:04:29

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 39

Interval: 3220.00 ft (KB) To 3260.00 ft (KB) (TVD)

Reference Elevations: 1957.00 ft (KB)

Total Depth: 3260.00 ft (KB) (TVD)

1949.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8372 Outside

Press @ Run Depth: 80.76 psig @ 3221.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.05.01

End Date:

2012.05.01

Last Calib.:

2012.05.01

Start Time: 10:34:05

End Time:

19:04:29

Time On Btm:

2012.05.01 @ 12:13:20

Time Off Btm:

2012.05.01 @ 16:55:50

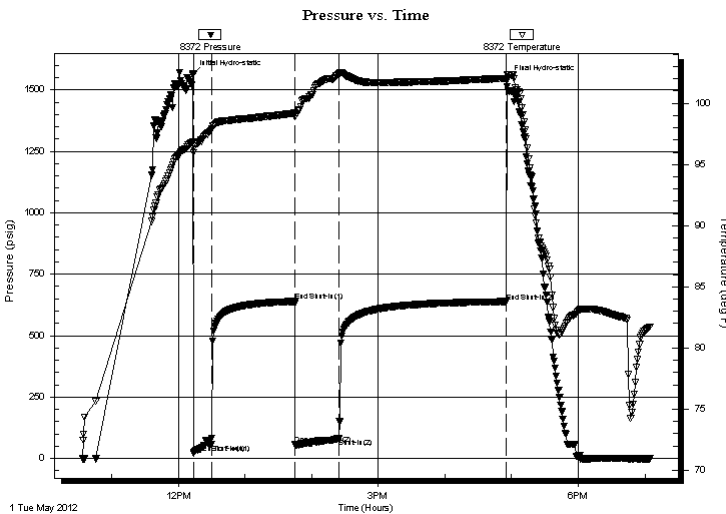
TEST COMMENT: IF:(15min) No Blow , Flushed Tool, Surge, Built to 1/2".

IS:(75min) No Return

FF:(40min) Built to 3"

FSt:(150min) Return Surface Blow 8 min after bleed off, Died in 20 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.59	96.84	Initial Hydro-static
1	20.97	95.97	Open To Flow (1)
17	57.16	97.83	Shut-In(1)
92	639.27	99.19	End Shut-In(1)
92	57.21	98.90	Open To Flow (2)
132	80.76	102.37	Shut-In(2)
282	638.71	102.04	End Shut-In(2)
283	1540.22	102.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
175.00	GOCMW g=10% o=15% m=35% w=40%	2.18
0.00	GIP=175ft	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr & Associates

10-16s-16w Rush,KS

1515 Wynkoop Ste 700
Denver Co 80202

Scheck #1-10

Job Ticket: 47268

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2012.05.01 @ 10:34:05

Tool Information

Drill Pipe:	Length: 3183.00 ft	Diameter: 3.80 inches	Volume: 44.65 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	58000.00 lb
			<u>Total Volume: 44.80 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3220.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	77.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3184.00	
Recorder	0.00	8647	Fluid	3184.00	
Blank Spacing	5.00			3189.00	
Shut In Tool	5.00			3194.00	
Sampler	4.00			3198.00	
Hydraulic tool	5.00			3203.00	
Jars	5.00			3208.00	
Safety Joint	3.00			3211.00	
Packer	5.00			3216.00	37.00 Bottom Of Top Packer
Packer	4.00			3220.00	
Stubb	1.00			3221.00	
Recorder	0.00	8017	Inside	3221.00	
Recorder	0.00	8372	Outside	3221.00	
Perforations	36.00			3257.00	
Bullnose	3.00			3260.00	40.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr & Associates

10-16s-16w Rush,KS

1515 Wynkoop Ste 700
Denver Co 80202

Scheck #1-10

Job Ticket: 47268

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2012.05.01 @ 10:34:05

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:

83000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
175.00	GOCMW g=10% o=15% m=35% w=40%	2.182
0.00	GIP=175ft	0.000

Total Length: 175.00 ft Total Volume: 2.182 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

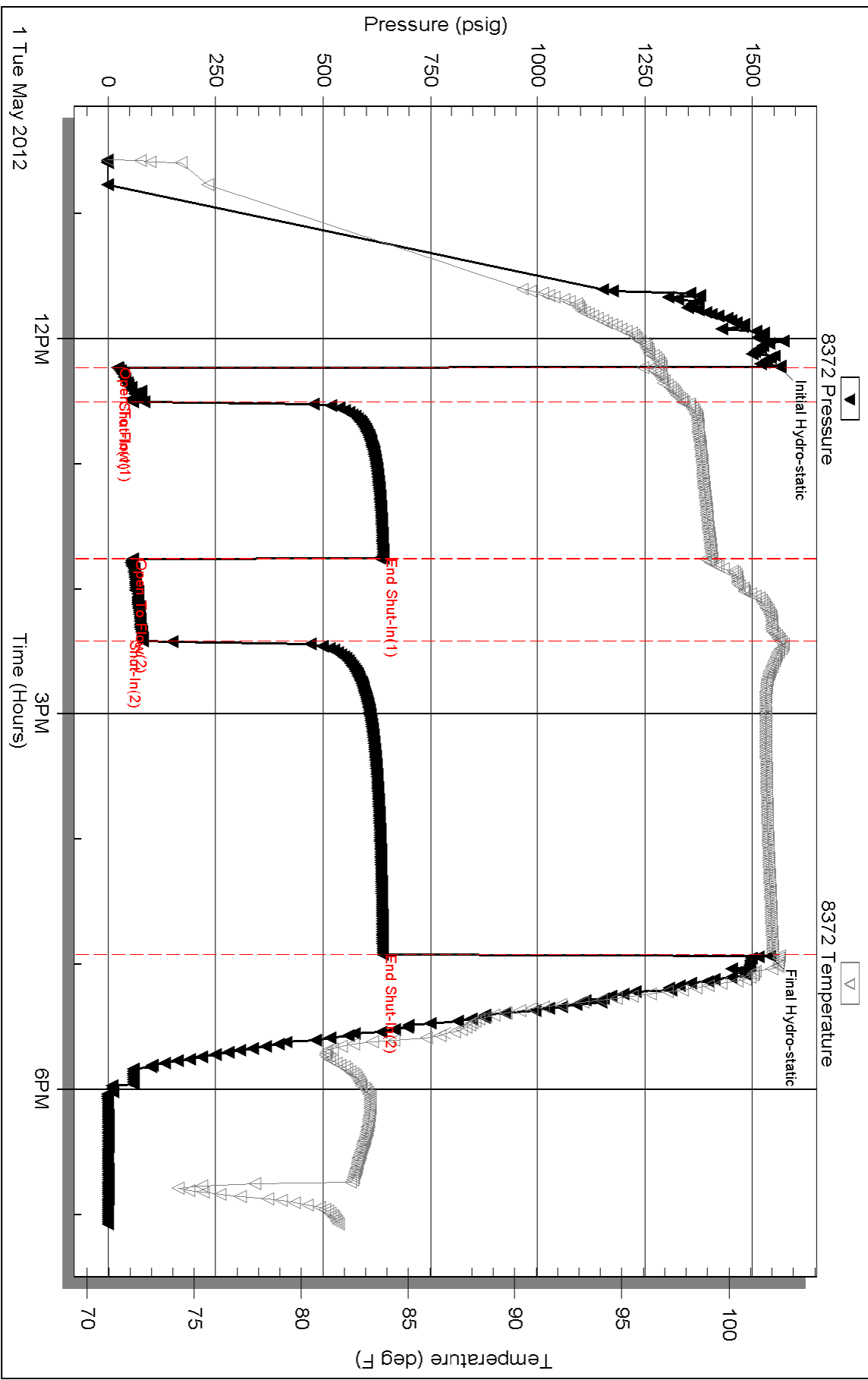
Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data- g=500ml o=700ml m=800ml w=2000ml press=255lbs

Resistivity- .075 @ 84 = 83000

Pressure vs. Time



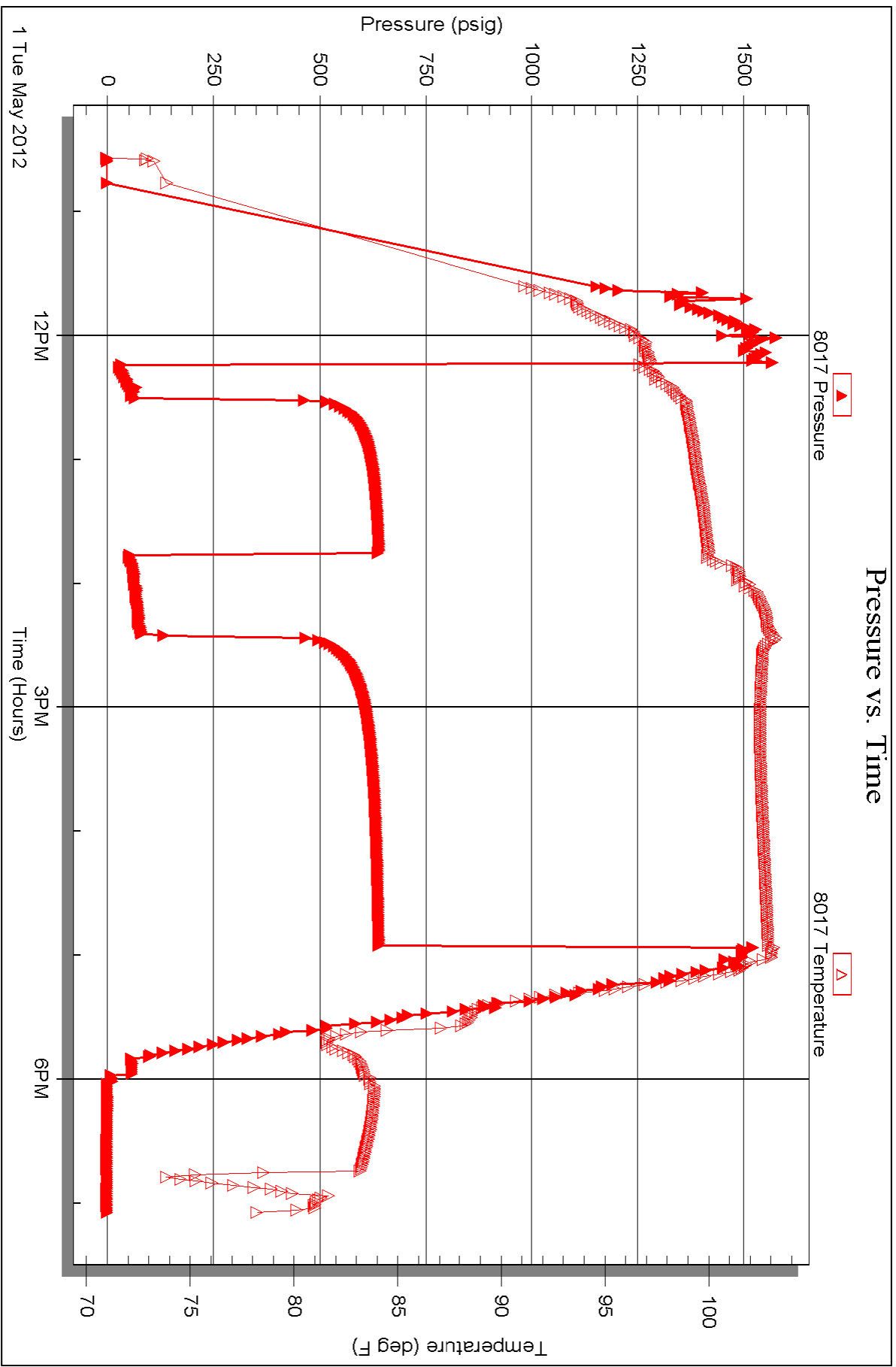
Serial #: 8017

Inside

Sam Gary Jr & Associates

Scheck#1-10

DST Test Number: 1



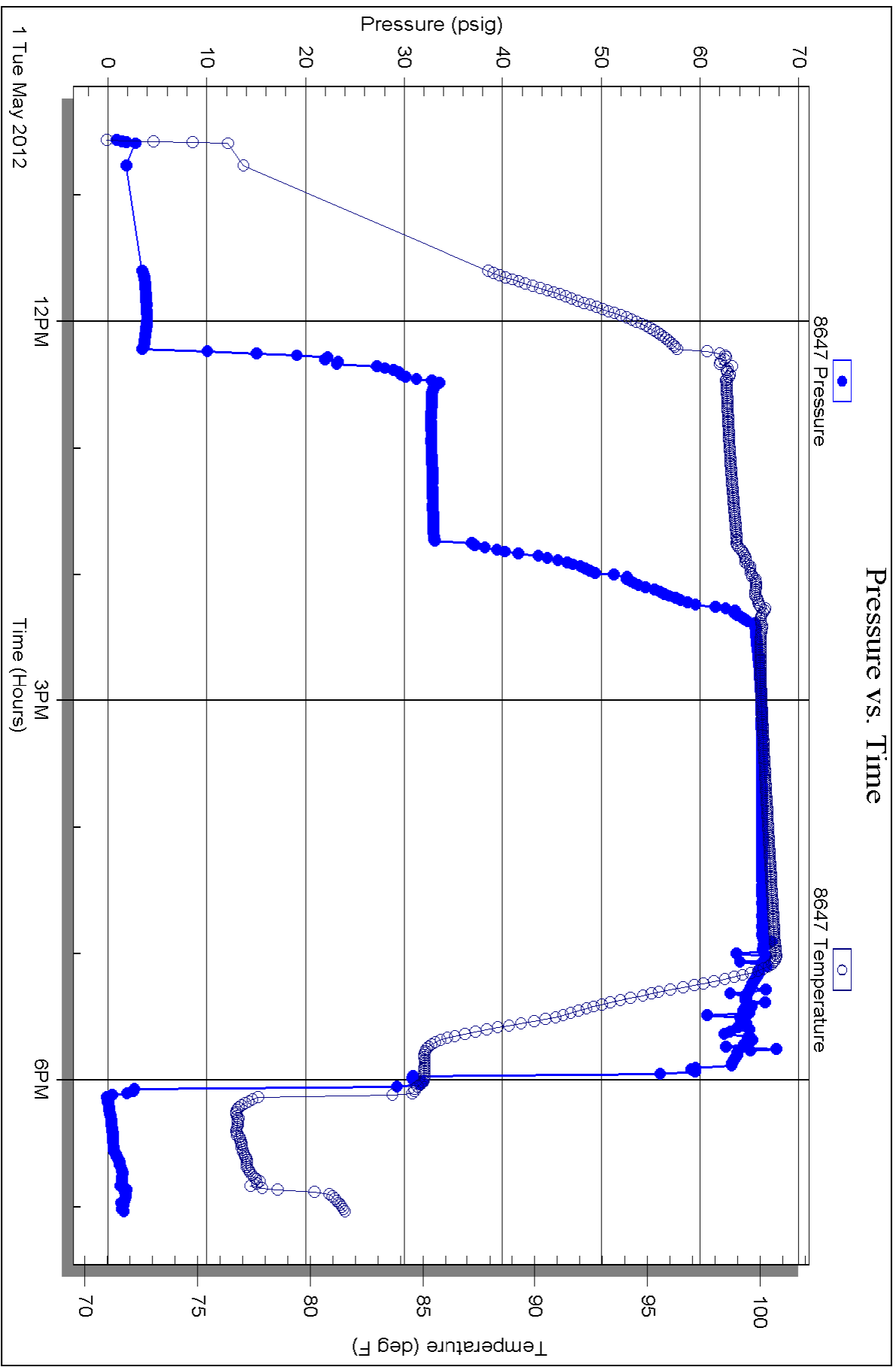
Serial #: 8647

Fluid

Sam Gary Jr & Associates

Scheck#1-10

DST Test Number: 1





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
MAY 04 2012

Test Ticket

BY: _____

NO. 47268

Well Name & No. Scheck #1-10 Test No. 1 Date 5-1-12
 Company Sam Gary Jr & Assoc. Elevation 1957 KB 1949 GL
 Address 1515 Wynkoop St E 700 Denver, Co. 80202
 Co. Rep / Geo. Clyton Comozzi Rig Discovery #2
 Location: Sec. 10 Twp. 16 S Rge. 16 W Co. Rush State Ks

Interval Tested 3220-3260 Zone Tested LKC "C-D"
 Anchor Length 40' Drill Pipe Run 3183 Mud Wt. 8.9
 Top Packer Depth 3215 Drill Collars Run 30 Vis 49
 Bottom Packer Depth 3220 Wt. Pipe Run 0 WL 8.8
 Total Depth 3260 Chlorides 8200 ppm System LCM 0

Blow Description IT: No blow, Flushed Tool, surge, built to 2"
ISL: No Return
FF: Built to 3"
FBI: Return flow surface blow, 8 min. after bleedoff, died in 20 min

Rec	Feet of	%gas	%oil	%water	%mud
<u>175</u>	<u>GIP</u>				
<u>125</u>	<u>GOCM W</u>	<u>10</u>	<u>15</u>	<u>40</u>	<u>35</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 125 BHT 102 Gravity API RW, 075 @ 84 °F Chlorides 83000 ppm
 (A) Initial Hydrostatic 1560 Test ← 1150 T-On Location 09:54
 (B) First Initial Flow 20 Jars ← 250 T-Started 10:34
 (C) First Final Flow 57 Safety Joint ← 75 T-Open 12:15
 (D) Initial Shut-In 639 Circ Sub T-Pulled 16:55
 (E) Second Initial Flow 57 Hourly Standby ← T-Out 19:05
 (F) Second Final Flow 80 Mileage ← 68RT 105.40 Comments loaded tools
 (G) Final Shut-In 638 Sampler ← 250 X 2 210.80 513 6am
 (H) Final Hydrostatic 1540 Straddle Ruined Shale Packer

Initial Open 15 Shale Packer Ruined Packer
 Initial Shut-In 75 Extra Packer Extra Copies
 Final Flow 40 Extra Recorder ← 200 Sub Total 800
 Final Shut-In 150 Day Standby ← 1 day & 16 hrs Total 2935.80
 Accessibility MP/DST Disc't
 Sub Total 2135.80

Approved By _____ Our Representative [Signature]
 TriLOBITE TESTING Inc. shall not be liable for damaged of 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.



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 47268 Date 5-1-12
 Company Name Sam Gary Jr & Assoc.
 Lease Scheck #1-10 Test No. 1
 County Rush Sec. 10 Twp. 16S Rng. 16W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas	<u>500</u>	ML	Chlorides	<u>8200</u>	ppm.
Oil	<u>700</u>	ML	Resistivity		ohms @ _____ F
Mud	<u>800</u>	ML	Viscosity	<u>49</u>	
Water	<u>2000</u>	ML	Mud Weight	<u>8.9</u>	
Other		ML	Filtrate	<u>8.8</u>	
Pressure	<u>255 lbs</u>	ML	Other		
Total		ML			

SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity .075 ohms @ 84 F
 Chlorides 83000 ppm.

Gravity _____ corrected @60F

TOP
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

MIDDLE
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.

BOTTOM
 Resistivity _____ ohms @ _____ F
 Chlorides _____ ppm.



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

Well Name: Scheck 1-10
 Location: Sec. 10 16S 16 W Rush Co., Kansas
 License Number: 15-165-21907-0000
 Spud Date: APRIL 27, 2012
 Surface Coordinates: 330 FNL/ 1850 FWL
 Region: Wildcat
 Drilling Completed: MAY 2, 2012

Bottom Hole Coordinates:
 Ground Elevation (ft): 1949' K.B. Elevation (ft): 1957'
 Logged Interval (ft): 2900' To: 3620 Total Depth (ft): 3620
 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: AARON SUELTER/SCHUYLER HEDRICK
 Company: Earth Tech OGL, Inc.
 Address: PO Box 683
 Hooker, Okla . 73945
 Off. 888-543-8378 Cell: 580-754-0062

DST's Report

DST# 1 3220'-3260' 15-75-40-150
 IF- NO BLW, FLUSHED TOOL; SURGE; BUILT TO 1/2", ISI- NO RETURN, FF- BUILT TO 3", FSI- RETURN SURF.
 BLW; 8 MIN AFTER BLEED OFF; DIED IN 20 MIN
 IH- 1562, FH-1540/ IF- 20 TO 57, FF- 57 TO 80/ ISI- 639, FSI- 638
 REC. 125' OF TF./ 125' OF GOCMW 10% GAS, 15% OIL, 40% WATER, 35% MUD/ 175' OF GIP/ BHT-102, API RW-.075 @ 84 DEG., CHLOR.- 83,000 PPM

DST's Report

ROCK TYPES

Anhy	Gyp	Shgy	Sandy
Bent	Igne	Siltst	Shale
Brec	Lmst	Ss	Siltstn
Cht	Meta	Till	Shlyslts
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	Sandy
Brecfrag	Chlorite	Pisolite	Sh
Calc	Dol	Plant	Siltstn
Carb	Sand	Strom	
Chtdk	Silty	Fuss	
Chtlt		Oomold	
Dol	FOSSIL	STRINGER	TEXTURE
Feldspar	Algae	Anhy	Boundst
Ferrpel	Amph	Arg	Chalky
Ferr	Belm	Bent	Cryxln
Glau	Bioclst	Coal	Earthy
Gyp	Brach	Dol	Finexln
Hvymin	Bryozoa	Gyp	Grainst
Kaol	Cephal	Ls	Lithogr
Marl	Coral	Mrst	Microxln
Minxl	Crin	Siltstrg	Mudst
Nodule	Echin	Ssstrg	Packst
Phos	Fish	Carbsh	Wackest
Pyr	Foram		

OTHER SYMBOLS

POROSITY TYPE

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

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- S Subrnd
- a Subang

- A Angular

OIL SHOWS

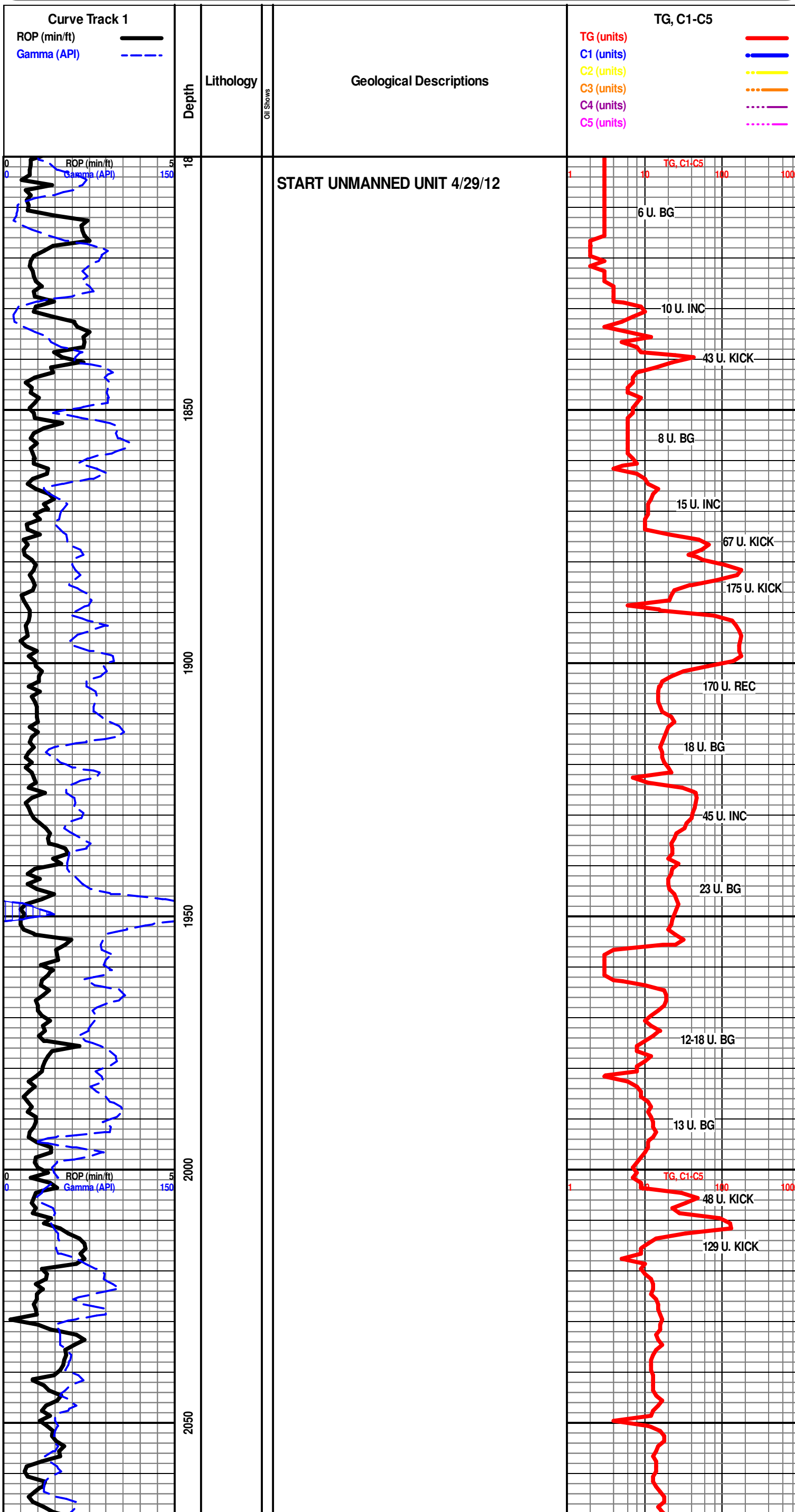
- Even
- ◐ Spotted
- ◑ Ques
- ◒ Dead
- ⊠ Gas show

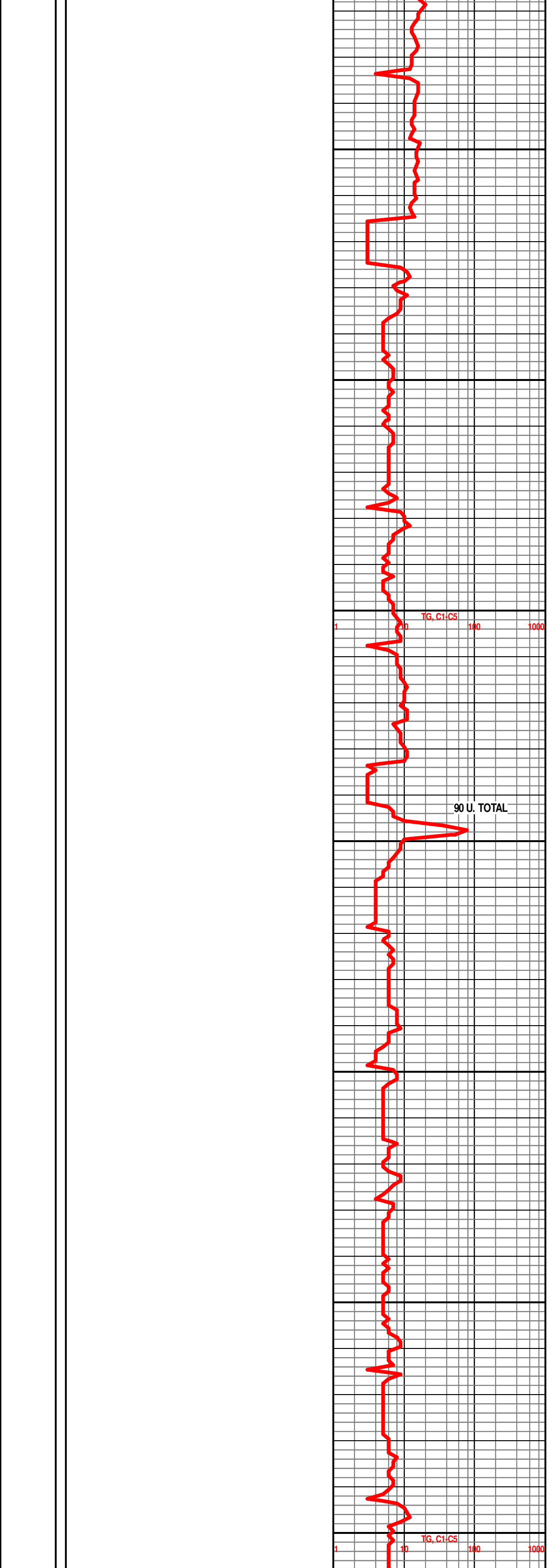
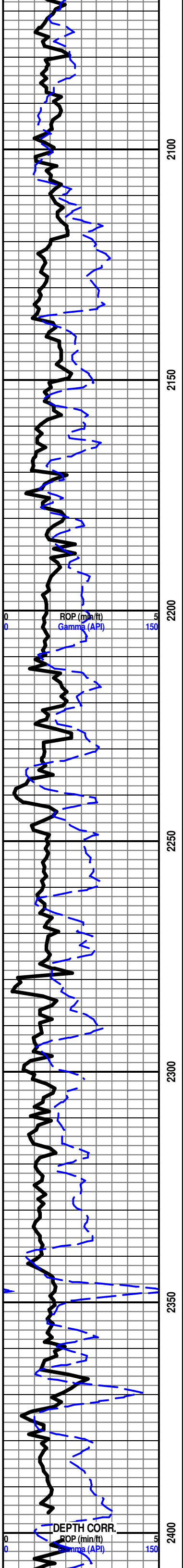
INTERVALS

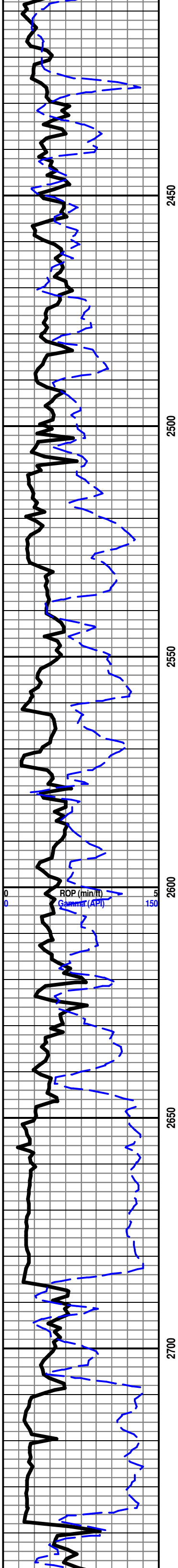
- Core
- Dst
- Dst

EVENTS

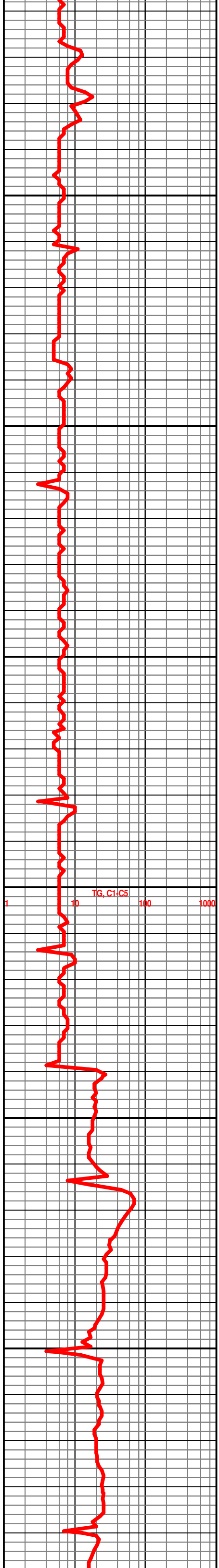
- ▤ Rft
- ▥ Sidewall

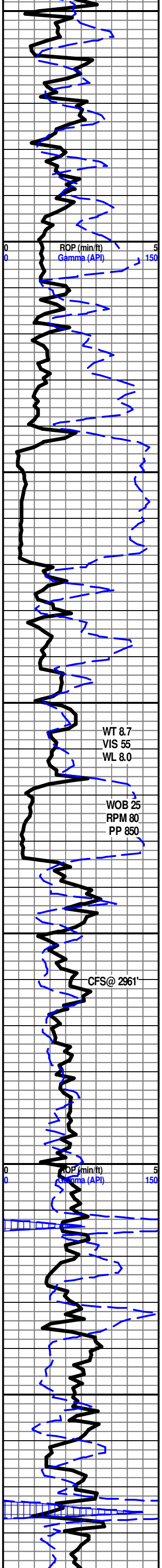






BRS 2686' - 729'





2750
2800
2850
2900
2950
3000
3050

ROP (min/ft)
Gamma (API)

WT 8.7
VIS 55
WL 8.0

WOB 25
RPM 80
PP 850

CFS@ 2961'

ROP (min/ft)
Gamma (API)

HOWARD 2869' - 912'

LS- CRM LT TN TN- HD DNS - F-MD-XLN RE-XLN IP, TR FOSS FRGS IP, TR IMBD SH IP, NO FLO, NO VIS PR, NO VIS SHOW

SEVERY 2917' - 960'

SH- LT GY TO LT GRN - FRM IP TO V/ SFT SLTY TO GRNY TXT

TOPEKA 2934' - 977'

LS-OFF WHT CRM BFF- HD DNS TO BRITT IP, MD-F-XLN RE-XLN MTRX, V/ FOSS IP, SLI TR WHT CHLK, V/ DLL YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

LS- CRM LT TN OFF WHT- HD DNS IP TO V/ SFT, MD-XLN RE-XLN MTRX, FOSS FRGS IMBD IP, TR IMBD DK GY SH THRU, HVY TR ABDT SFT WHT CHLK, LT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN- HD DNS-MD-F-XLN RE-XLN IP, TR TN CHRT, SLI TR SFT CHLK IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- LT TN TN LT BRN- HD DNS F-V/F-XLN, CRYPTO-XLN IP, SLI TR IMBD SH IP, TR IMBD LRG CALC XLS IP, TR LT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

SH- FRM BLKY- SMTH WXY TXT

SH- MD TO DK GY- FRM BLKY GRNY TXT V/ CALC IP TO TR LMY, TR GY WTHRD CHRT

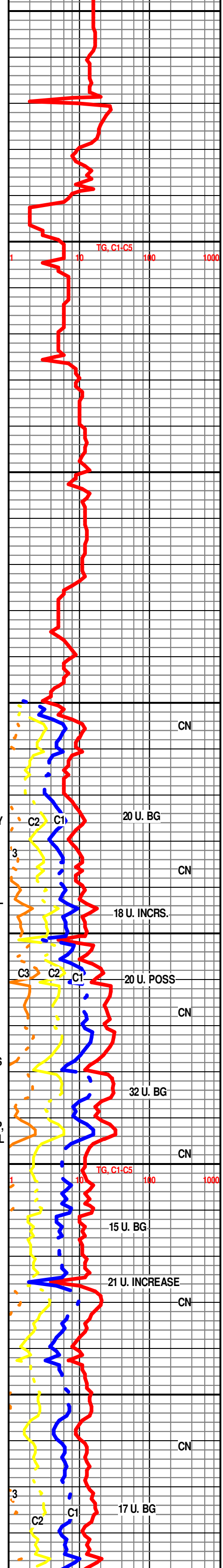
LeCOMPTON 3036' - 1079'

LS- LT TN TN - HD DNS TO SI TR BRITT, F-V/F-XLN TR CRYPTO-XLN IP, TR CRM TN CHRT IP, LT YEL MIN FLO IP TO NO VIS FLO, NO VIS SHOW

SH - MED TO DK GY- FRM BLKY GRNY TXT, V/ CALC IP, SCAT IMBD FOSS FRGS

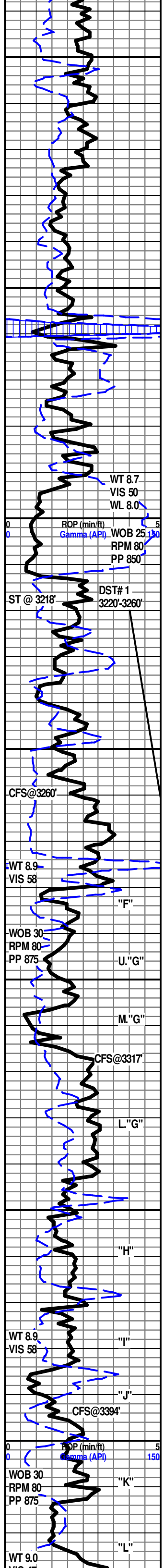
SH- MED TO DK GY- FRM BLKY IP TO BLK SFT CARB IP

LS- CRM LT TN TN- HD DNS SLI TR BRITT, MD-F-XLN,



TG, C1-C5

CN
20 U. BG
CN
18 U. INCRS.
20 U. POSS
CN
32 U. BG
CN
15 U. BG
21 U. INCREASE
CN
17 U. BG



RE-XLN MTRX, V/ FOSS IP, SCAT IMBD CALC XLS IP, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM LT TN- HD DNS TO BRITT, V/ SUCRO MTRX TO SUCRO S-CHLKY IP, TR MD-F-XLN IP, LT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW OR CUT

3126-3128' LS- OFF WHT CRM TN (SCAT OIL STN IN 10%) HD DNS, TR BRITT IP, MD-F-XLN SLI RE-XLN, FOSS FRGS IP, V/ DLL YEL GLD FLO IP, NO VIS POR, TR GMMY TAR OIL STN IP, NO VIS POR, FR FLSH CUT IN 10%, FR SLO STRM CUT IN 10%, NO ODOR, LT TN STN ON DISH

3135-3138' LS- LT GY TO OFF WHT CRM(BLK TARRY OIL STN SCAT IN 30%), HD DNS TO BRITT, F-V/F-XLN TO SUCRO S-CHLKY TO TR FRM CHLKY IP, V/ DLL YEL GLD FLO IN 10%, NO FLO IN 90%, PR VIS MICRO VUG POR IN 1% TO NO VIS POR IN 90%, V/ GD FLSH CUT IN 40%, GD SLO STRM CUT IN 40%, GD OIL ODOR, TN STN ON DISH

HEEBNER 3157' - 1200'

SH- BLK SFT CARB

SH- BRN TO DK BLK SFT CARB

LS- CRM LT TN- HD DNS TO BRITT, F-XLN IP TO SUCRO S-CHLKY IP , TR WHT GY MOTT CHRT IP, LT BRIT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

DOUGLAS 3190' - 1233'

SH- REDDISH BRN TO DK GY- V/ SFT GMMY TXT TO FRM IP GRNY TXT

LANSING 3212' - 1255'

LS-CRM LT TN(DUE TO TN STN SCAT IN 50%) HD DNS MD TO F-XLN , SLI RE-XLN IP, SMLL CALC XLS IMBD SCAT THRU, BRIT YEL GLD FLO IN 80%, PR TO FR VIS MICROVUG POR IN 20%, TR INTER-XLN PP POR IN 2%, GD FLSH CUT IN 80%, V/ GD SLO STRM CUT IN 60-70%, GD OIL ODOR, V/ LT TN LCH ON DISH

LANSING "C" 3234' - 1277'

3236-3239' LS- CRM LT TN TN(DUE TO TN STN IN 80%) HD DNS IP TO V/ BRITT, MD-F-XLN , V/ RE-XLN MTRX, V/ FOSS IP, DLL YEL GLD FLO IN 70%, BRIT YEL GLD FLO IN 20%, FR VIS INTER-FOSS POR IN 20%, FR MICROVUG POR IN 10%, PR VIS MICRO OOLMLD POR IN 10%, GD FLSH CUT IN 60%, V/ GD SLO STRM MLKY BLU CUT IN 80%, FR OIL ODOR, LT TN STN ON DISH

3254-3256' LS- CRM LT TN DK TN(DUE TO OIL STN IN 70%) HD , V/ BRITT, MD-XLN, V/ RE-XLN MTRX, V/ FOSS, V/ MICRO OOL IP TO OOL, W/ FREE MD OOL, SMLL IMBD CALC XLS IP, SLI TR WHT CHLK, BRIT YEL GLD FLO IN 50%, DLL YEL GLD FLO IN 50%, PR FR TO TR GD VIS INTER-OOL POR IN 10%, , FR VIS MICRO VUG POR IN 20%. GD FLSH CUT IN 80%, GD SLO STRM CUT IN 100%, GD OIL ODOR, TN STN ON DISH

LANSING "F" 3283'-1326'

3283'-3284' LS- OFF WHT TO CRM, TN DUE TO OIL STN IN 20% DK TN DUE TO OIL IN 10%, HD DNS, F TO MD XLN RE-XLN MTRX SL S-CHLKY IP, IMBD SM CALC XLS IP, TR LG IMBD FOSS FRG IP, DUL YEL GLD FLO IN 60%, FR TO GD VUG POR IN 20%, GD FLSH CUT THRU, GD SLW STRM CUT IN 30%, LT TN LCH ON DISH, FREE FLOATING OIL IN SAMPLE CUP, GD OIL ODOR

3295'-3296' LS- OFF WHT TO CRM, TN DUE TO OIL STN IN 40%, BRWN DUE TO OIL IN 20%, HD DNS TO BRIT IP, F TO MD XLN RE-XLN MTRX, ABDT IMBD OOL THRU, TR IMBD CHLK IP, TR IMBD MD CALC XLS IP, SL TR IMBD SH IP, ABDT WHT CHLK IN TRAY, DUL YEL GLD FLO IN 60%, SCAT BRT YEL GLD FLO IN 5%, FR TO GD INTR OOL POR IN 30%, FR MICRO VUG POR IN 1%, FR FLSH CUT THRU, GD SLW STRM CUT IN 50%, TN LCH ON DISH ,GD OIL ODOR

3302'-3303' LS- CRM TO LT TN, HD DNS, F TO MD XLN RE-XLN TO S-CHLKY, TR IMBD FOSS FRGS IP, TRC IMBD OOL IP, TR IMBD CALC XLS IP, DUL YEL GLD FLO IN 60%, BRT YEL GLD FLO IN 10%, GD VUG POR IN 15%, POSS FRACT POR, V/WK FLSH CUT THRU, GD SLW STRM CUT IN 10%, LT TN LCH ON DISH GD OIL ODOR

3307'- 3311'-LS- CRM TO LT TN W/ V/LT TN OIL STN IN 5% HD DNS, V/F TO F XLN SUCRO MTRX, V/ OOLMOLDIC THRU, TR SCAT IMBD WHT CHLK, SCAT SFT WHT CHLK IN TRAY, DUL YEL GLD FLO IN 10%, FR TO GD OOLMOLDIC POR THRU, NO FLSH CUT, FR SLW STRM CUT IN 5%, NO LCH ON DISH, FR OIL ODOR

3312'-3313'-LS- CRM LT TN TO LT GYW/ DK TN LIVE OIL STN IN 40%, HD DNS, F XLN RE-XLN MTRX, ABDT IMBD SM TO LG FOSS FRGS THRU, TR IMBD CALC XLS IP, TR IMBD WHT CHLK IP, DUL YEL GLD FLO THRU, BRT YEL GLD FLO IN 5%, GD TO EXCEL INTR XLN POR IN 40% EXCEL FLSH CUT IN 100%, EXCEL MLKY BLU SLW STRM CUT IN 90%, DK TN LCH ON DISH, GD OIL ODOR

LANSING "H" 3353'-1396'

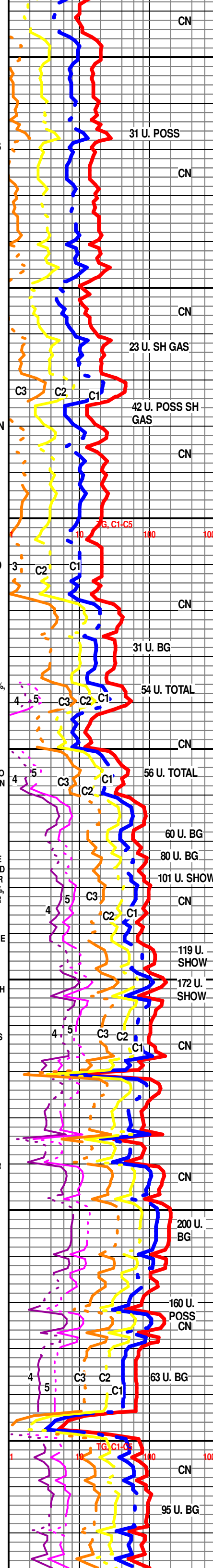
LS- CRM LT TN TO TN, HD DNS, V/F TO CRYPTO XLN, TR IMBD CALC XLS IP, TR IMBD CHRT, ABDT CHRT IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

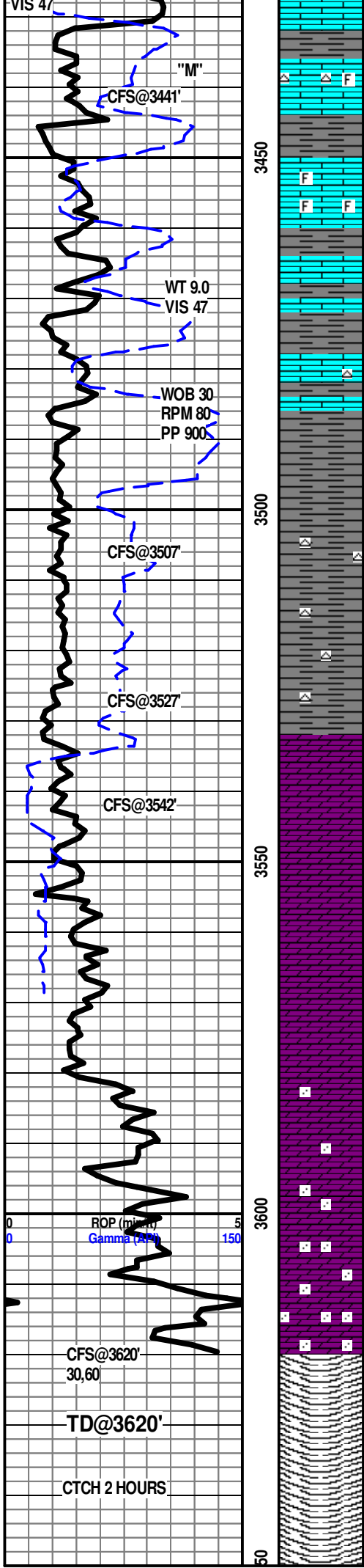
LS- CRM TN TO GY, V/HD DNS, V/F TO CRYPTO XLN, SCAT IMBD CALC XLS THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO TN, HD DNS TO BRIT, V/F TO F XLN SUCROSIC MTRX, S-CHLKY IP, SCAT IMBD FOSS FRGS IP, TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- TN TO GY, HD DNS TO BRIT, F TO MD XLN REXLN MTRX, TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- WHT CRM TO TN, FRM TO BRIT, F XLN CHLKY MTRX, NO VIS FLO, NO VIS POR, NO VIS SHOW





3437'-3438' LS- OFF WHT TO LT TN, HD DNS TO BRIT IP, F TO MD XLN SUCRO MTRX, TR SCAT IMBD OOL IP, TR IMBD CHRT IP, TN CHRT IN TRAY, NO VIS FLO, FR VUG POR IN 5%, WK FLSH CUT IN 10%, GD SLW STRM IN 10%, NO LCH ON DISH, NO OIL ODOR

BKC 3445'-1488'

3452'-3453' LS- OFF WHT TO CRM W/ TN OIL STN IN 5%, HD DNS TO BRIT IP, F TO MD XLN RE-XLN MTRX, S-CHLKY IP, ABDT IMBD FOSS FRG THRU, ABDT IMBD SM TO MD CALC XLS THRU, DUL YEL GLD FLO IN 10%, PR TO FR INTR XLN POR IN 10%, WK FLSH CUT IN 20%, FR SLW STRM CUT IN 15%, NO LCH ON DISH, LT OIL ODOR

SH- DK GY TO GRN, FRM BLKY, SMTH TXT

LS- OFF WHT TO CRM, HD DNS, F TO MD XLN RE-XLN IP, S-CHLKY IP, SCAT IMBD CHRT IP, TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- RED PURPLE TO GRN, SFT GMMY, SMTH TXT

SH- RED, SFT TO GMMY, ABDT CHRT IN TRAY

ARBUCKLE 3533'-1573'

3535'-3537' DOLO- OFF WHT TO CRM W/ LT TN OIL STN IN 20% DK TN IN 5%, HD DNS, MD TO F XLN SUCRO MTRX, ABDT IMBD MD S-ANG DOLO GRNS, NO FLO, FR TO GD INTR GRN POR IN 30%, FR FLSH CUT IN 60%, GD SLW STRM IN 30% TN LCH ON DISH, SL OIL ODOR

3541'-3543' DOLO- OFF WHT TO CRM, HD DNS TO BRIT, F TO MD XLN RE-XLN IP, S-SUCRO IP, ABDT IMBD MD TO LG S-ANG DOLO GRNS THRU, TR IMBD GLAUC IP, TR IMBD GY SH IP, SCAT DISS PYR IP, SCAT BRT YEL GLD FLO IN 10%, FR TO GD INTR GRN POR IN 30%, WK FLSH CUT IN 40%, LT OIL ODOR

DOLO- OFF WHT, HD DNS TO BRIT, MD XLN RE-XLN MTRX, ABDT IMBD MD TO LG S-ANG DOLO GRN THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

PRE-CAMBRIAN 3581'- 1624

DOLO- OFF WHT, HD DNS, F XLN SUCRO MTRX, ABDT IMBD SM S-ANG DOLO GRN, TR IMBD MD S-ANG QRTZ GRN IP, SL TRC IMBD CHLK, ABDT LG QRTZ XLS IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

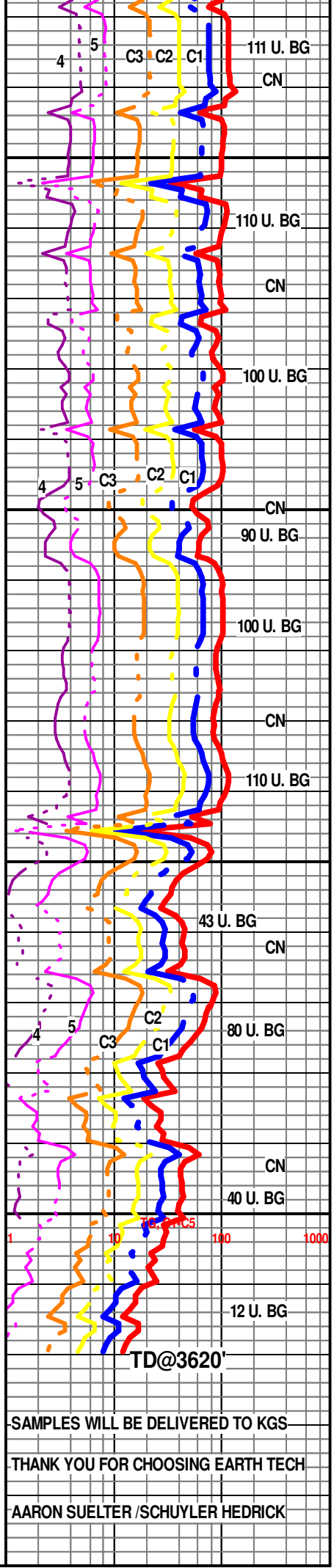
DOLO- WHT TO OFF WHT, HD DNS TO BRIT, F XLN SUCRO MTRX, ABDT IMBD SM S-ANG DOLO GRN, IMBD MD QRTZ GRN THRU, V/ ABDT LG CLR QRTZ XLS THRU TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

R.T.D. 8:00 PM 5/2/12

DROP SURVEY

T.O.F.L. @ 10:00 PM

WEATHERFORD/LIBERAL



TD@3620'

SAMPLES WILL BE DELIVERED TO KGS

THANK YOU FOR CHOOSING EARTH TECH

AARON SUELTER /SCHUYLER HEDRICK