



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1087546
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: _____

1087546

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	PHIL SCHMEIDLER 1-15
Doc ID	1087546

All Electric Logs Run

DIL
MICRO
POR
SONIC
SPECTRAL

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	PHIL SCHMEIDLER 1-15
Doc ID	1087546

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3300-3308	500 GAL 28% MCA W/ 3% MAS	3300-3308
4	3409-3421	500 GAL 28% MCA W/ 3% MAS	3409-3421
4	3454-3456	500 GAL 28% MCA W/ 3% MAS	3454-3456
4	3464-3467	500 GAL 28% MCA W/ 3% MAS	3464-3467
4	3474-3476	500 GAL 28% MCA W/ 3% MAS	3474-3476
4	3539-3548	500 GAL 28% MCA W/ 3% MAS	3539-3548
4	3561-3565	500 GAL 28% MCA W/ 3% MAS	3561-3565
4	3583-3586	500 GAL 28% MCA W/ 3% MAS	3583-3586

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 16, 2012

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

Re: ACO1
API 15-051-26279-00-00
PHIL SCHMEIDLER 1-15
SE/4 Sec.15-12S-17W
Ellis 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: 3/30/2012
 Invoice # 12

P.O.#:
 Due Date: 4/29/2012
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

Reference: *Schneidler*
 PHIL SCHNEIDER 1-15

Description of Work:
 LONG SURFACE JOB

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No				
Common-Class A	390	\$ 5,022.33	Yes				
8 5/8" Basket	3	\$ 1,000.67	Yes				
Bulk Truck Matl-Material Service Charge	411	\$ 867.67	No				
Calcium Chloride	14	\$ 556.53	Yes				
8 5/8" Centralizer	3	\$ 202.67	Yes				
Pump Truck Mileage-Job to Nearest Camp	18	\$ 189.62	No				
Premium Gel (Bentonite)	7	\$ 120.29	Yes				
8 5/8" Top Rubber Plug	1	\$ 111.89	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	18	\$ 110.96	No				
Baffle Plate Aluminum, 8 5/8"	1	\$ 95.00	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 9,241.47
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (1,386.22)

SubTotal for Taxable Items: \$ 6,042.97
 SubTotal for Non-Taxable Items: \$ 1,812.28

Total: \$ 7,855.25
 Tax: \$ 380.71

6.30% Ellis County Sales Tax

Amount Due: \$ 8,235.96

Applied Payments:

Balance Due: \$ 8,235.96

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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RECEIVED

APR 09 2012

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

DUES COMP W/O LOE GG

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

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 012

Date	3-27-12	Sec.	Twp.	Range	County	State	On Location	Finish
Lease	See Below	Well No.	1-15		Location		Catherine 26 6 1/2 N 1/2 W	
Contractor	Discovery 2				Owner			
Type Job	Long Surface				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size	12 1/4	T.D.	1059		Charge To			
Csg.	8 3/8	Depth	1058		Sam Gary Jr & Assoc			
Tbg. Size		Depth			Street			
Tool		Depth			City State			
Cement Left in Csg.		Shoe Joint	42'		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace	64 3/4 RBL		Cement Amount Ordered 390 com 3 y 2			

EQUIPMENT

Pumptrk	15	No.	Cementer	Dave	Common	390
			Helper			
Bulktrk	13	No.	Driver	Levy	Poz. Mix	
			Driver			
Bulktrk	p.j	No.	Driver	Cody	Gel.	7
			Driver			
JOB SERVICES & REMARKS					Calcium	14

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 411
	Mileage

FLOAT EQUIPMENT

Hook up break cir for 15 min.	Guide Shoe
mixed cement.	Centralizer 3
Released plug + displaced. Landeal plug @ 900 ft	Baskets 3
750 # lift pressure	AFU Inserts 1 8 1/2 Rubber plug
Thanks	Float Shoe
	Latch Down
	8 3/8 Head + Man
	1 Baffle plate
	Pumptrk Charge Long Surface
	Mileage 18

X 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: 4/4/2012
 Invoice # 5483

P.O.#:
 Due Date: 5/4/2012
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

RECEIVED

APR 09 2012

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

Reference:
 PHIL SCHMEIDLER 1-15

Description of Work:
 PROD LONG STRING

DRLG COMP W/O LOE GG

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

Services / Items Included:

Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor	\$ 963.85	No				
Common-Class A	\$ 2,897.50	Yes				
Gilsonite	\$ 1,673.58	Yes				
CFL 117	\$ 1,144.39	Yes				
5 1/2" Basket	\$ 728.33	Yes				
Bulk Truck Matl-Material Service Charge	\$ 536.22	No				
CD-110	\$ 494.00	Yes				
5 1/2" Turbolizer	\$ 489.78	Yes				
Mud Clear	\$ 390.56	Yes				
Defoamer A or CAF-38	\$ 369.44	Yes				
Auto Fill Float Shoe, 5 1/2"	\$ 323.00	Yes				
			Salt (Fine)	19	\$279.98	Yes
			Latch Down Plug & Baffle, 5 1/2"	1	\$236.44	Yes
			Pump Truck Mileage-Job to Nearest Camp	18	\$189.62	No
			Flo Seal	56	\$118.22	Yes
			Bulk Truck Mileage-Job to Nearest Bulk Plant	18	\$110.96	No
			KCL	2	\$63.04	Yes

Invoice Terms:

Net 30

SubTotal: \$ 11,008.92
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,651.34)

SubTotal for Taxable Items:	\$ 7,827.03
SubTotal for Non-Taxable Items:	\$ 1,530.55
Total:	\$ 9,357.58
Tax:	\$ 493.10
Amount Due:	\$ 9,850.68
Applied Payments:	
Balance Due:	\$ 9,850.68

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. 5483

Date	4-2-12	Sec.	15	Twp.	12	Range	17	County	Ellis	State	KS	On Location		Finish	7:45 AM
Lease	See Remarks			Well No.	-			Location	Codell Rd + Buckeye Rd, 2N, W/S						
Contractor	Discovery #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	Longstring							Charge To	Sam Gary, Jr. + Associates						
Hole Size	2 7/8"		T.D.	3780'			Depth	3771.67'							
Csg.	5 1/4"		Depth												
Tbg. Size			Depth												
Tool			Depth												
Cement Left in Csg.	42.11'		Shoe Joint	42.11'			The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace	88 3/4 BLS			Cement Amount Ordered	See Remarks							

EQUIPMENT

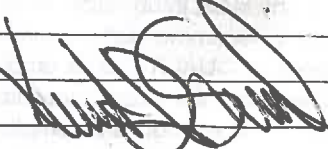
Pumptrk	15 No.	Cement Helper	Cisco	Common	225
Bulktrk	14 No.	Driver	Dougy	Poz. Mix	
Bulktrk	p.u. No.	Driver	Rick	Gel.	

JOB SERVICES & REMARKS

Remarks:	Phil Schmeidler 1-15				
Rat Hole	30SX				
Mouse Hole	15SX				
Centralizers	1-15 every other one				
Baskets	3, 9, 15				
DA or Port Outlet	Pipe on bottom, break Circ.				
	pump 500 gal mud Clear 48				
	plug Rathole w/ 30 sx, Plug mousehole				
	w/ 15 sx. Hook to 5 1/2" Casing + Mix				
	180 SX Cement, shut down, wash pump				
	+ lines, Released plug + Displaced				
	w/ 88 3/4 BLS of water. Released +				
	Held. Lift pressure 800 #				
	Land plug to 1500 #				
	Cement ordered - 225 SX Q-ProC				
	10% Salt, 5% Gilsomite, 1/4" Flo-seal,				
	.3% CD-110, .3% CFL-117, .25%				
	CAF 38 - 500 gal mud Clear 48				
	20 BLS KCL				

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	8-turbo's
Baskets	3
AFU Inserts	
Float Shoe	1
Latch Down	1
	1- Rotating head Assy.
Pumptrk Charge	prod Long String
Mileage	18

X Signature 

Tax
Discount
Total Charge



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

15/12S/17W-Ellis

1515 Wynkoop Ste. 700
Denver, CO 80202

Phil Schmeidler

ATTN: Clayton Camozzi

Job Ticket: 47211

DST#: 1

Test Start: 2012.03.30 @ 22:47:15

GENERAL INFORMATION:

Formation: **Lansing C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:27:15

Time Test Ended: 05:54:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 3400.00 ft (KB) To 3425.00 ft (KB) (TVD)

Reference Elevations: 2150.00 ft (KB)

Total Depth: 3425.00 ft (KB) (TVD)

2142.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8354 Inside

Press @ Run Depth: 36.20 psig @ 3402.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.30

End Date:

2012.03.31

Last Calib.:

2012.03.31

Start Time:

22:57:15

End Time:

05:54:45

Time On Btm:

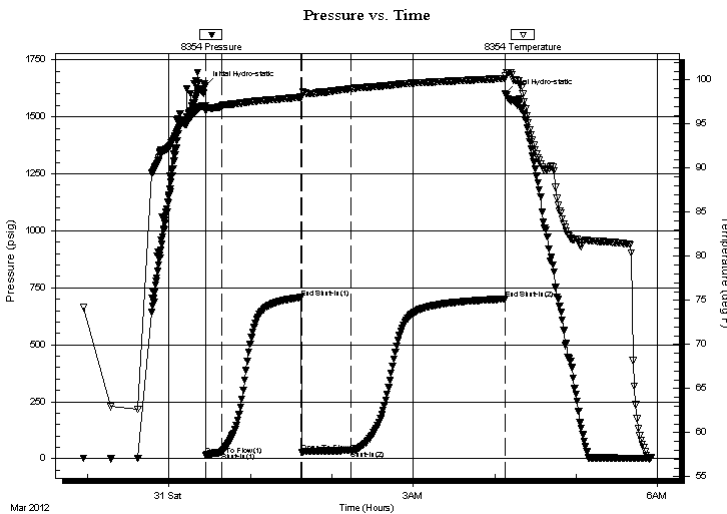
2012.03.31 @ 00:27:05

Time Off Btm:

2012.03.31 @ 04:07:45

TEST COMMENT: IF-Very weak building blow . Built to 1 inch.
ISI-No Return.
FF-Very weak building blow . Built to 6 inches.
FSI-No Return. Times-10-60-35-110

PRESSURE SUMMARY



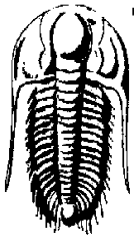
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1638.96	97.12	Initial Hydro-static
1	16.82	96.46	Open To Flow (1)
12	28.48	97.05	Shut-In(1)
71	707.33	98.04	End Shut-In(1)
71	28.61	98.13	Open To Flow (2)
108	36.20	99.02	Shut-In(2)
221	701.27	100.17	End Shut-In(2)
221	1602.24	100.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	10%Oil/90%Mud	0.35

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

15/12S/17W-Ellis

1515 Wynkoop Ste. 700
Denver, CO 80202

Phil Schmeidler

Job Ticket: 47211

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2012.03.30 @ 22:47:15

GENERAL INFORMATION:

Formation: **Lansing C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:27:15

Time Test Ended: 05:54:45

Interval: 3400.00 ft (KB) To 3425.00 ft (KB) (TVD)

Total Depth: 3425.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Reference Elevations: 2150.00 ft (KB)

2142.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8520 Outside

Press @ Run Depth: psig @ 3402.00 ft (KB)

Start Date: 2012.03.30

End Date: 2012.03.31

Start Time: 22:57:30

End Time: 05:54:30

Capacity: 8000.00 psig

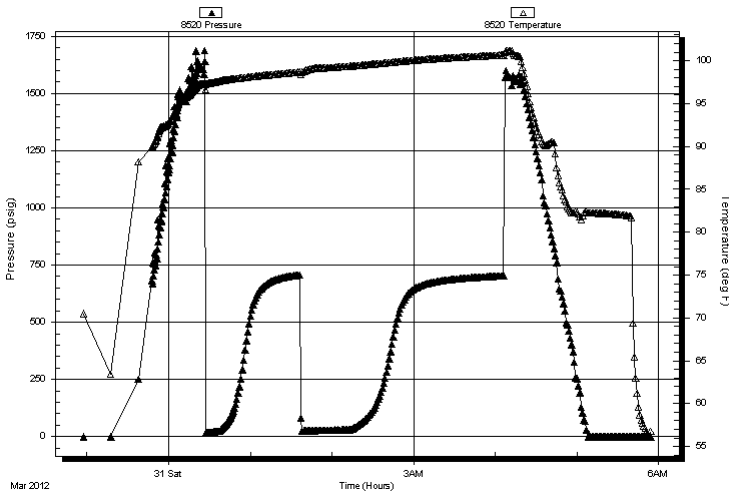
Last Calib.: 2012.03.31

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Very weak building blow. Built to 1 inch.
IS-No Return.
FF-Very weak building blow. Built to 6 inches.
FS-No Return. Times-10-60-35-110

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
45.00	10%Oil/90%Mud	0.35

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

15/12S/17W-Ellis

1515 Wynkoop Ste. 700
Denver, CO 80202

Phil Schmeidler

ATTN: Clayton Camozzi

Job Ticket: 47211

DST#: 1

Test Start: 2012.03.30 @ 22:47:15

GENERAL INFORMATION:

Formation: **Lansing C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:27:15

Time Test Ended: 05:54:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: **3400.00 ft (KB) To 3425.00 ft (KB) (TVD)**

Reference Elevations: 2150.00 ft (KB)

Total Depth: 3425.00 ft (KB) (TVD)

2142.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8653

Fluid

Press @ Run Depth: psig @ 3370.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.30

End Date:

2012.03.31

Last Calib.:

2012.03.31

Start Time: 22:47:46

End Time:

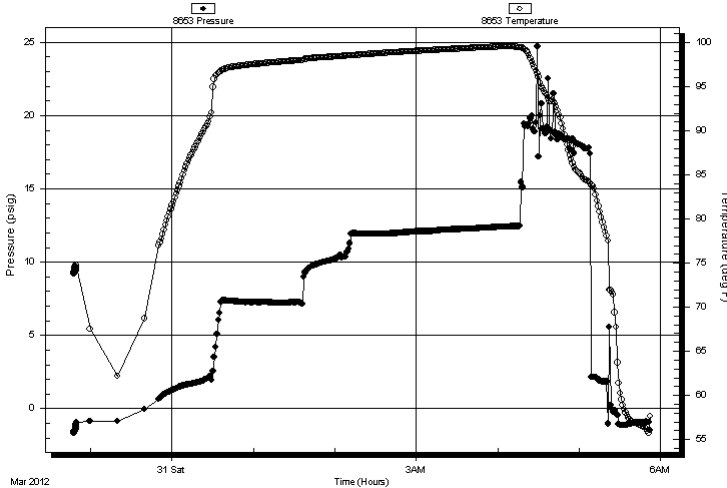
05:52:45

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Very weak building blow. Built to 1 inch.
ISI-No Return.
FF-Very weak building blow. Built to 6 inches.
FSI-No Return. Times-10-60-35-110

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
45.00	10%Oil/90%Mud	0.35

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates, Inc.

15/12S/17W-Ellis

1515 Wynkoop Ste. 700
Denver, CO 80202

Phil Schmeidler

Job Ticket: 47211

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2012.03.30 @ 22:47:15

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: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	10%Oil/90%Mud	0.349

Total Length: 45.00 ft Total Volume: 0.349 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler-2000ML total. 500ML Oil. 1500ML Mud.
Could not get an accurate pressure reading.

Serial #: 8354

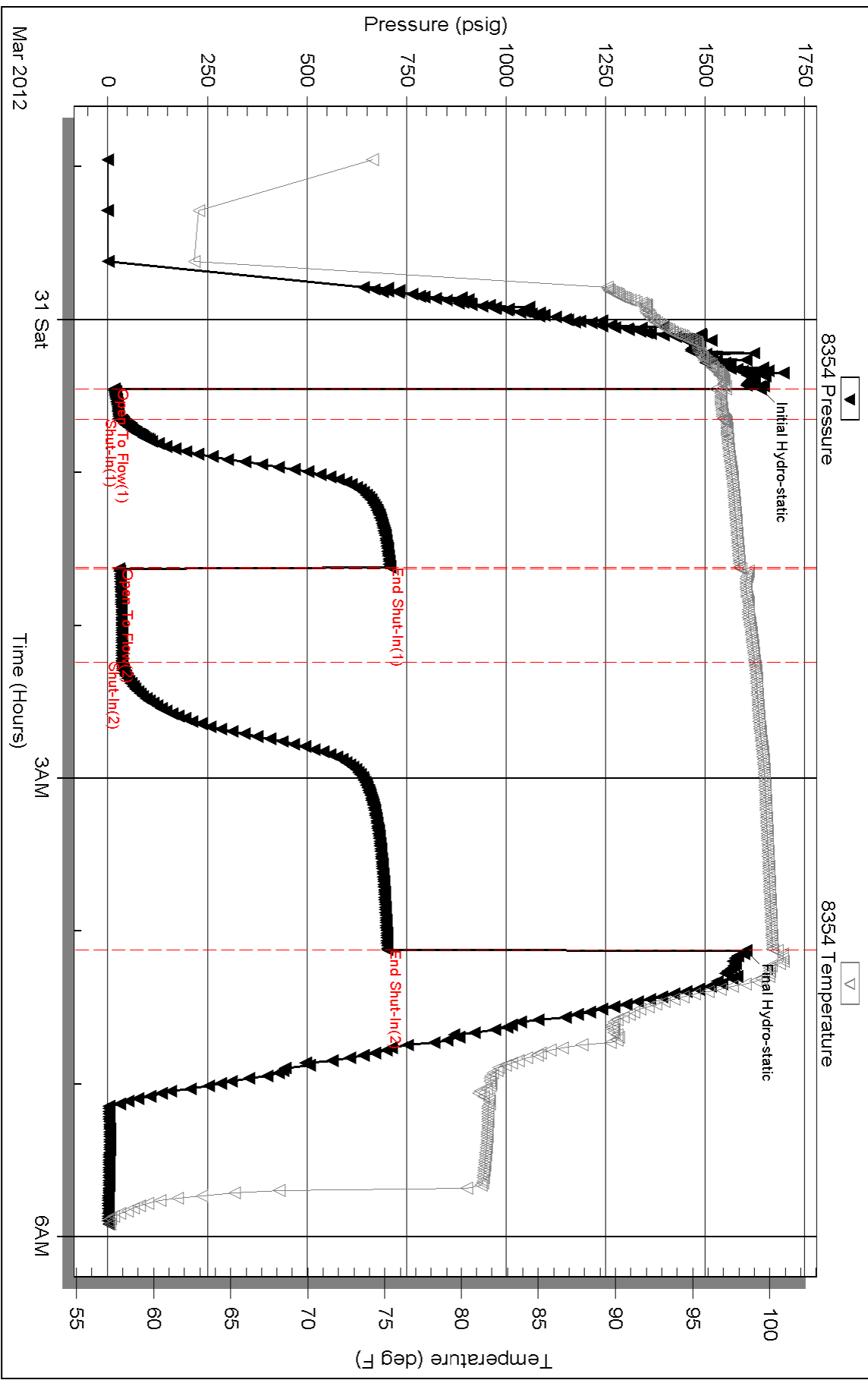
Inside

Samuel Gary Jr. & Associates, Inc.

Phil Schneider

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 47211

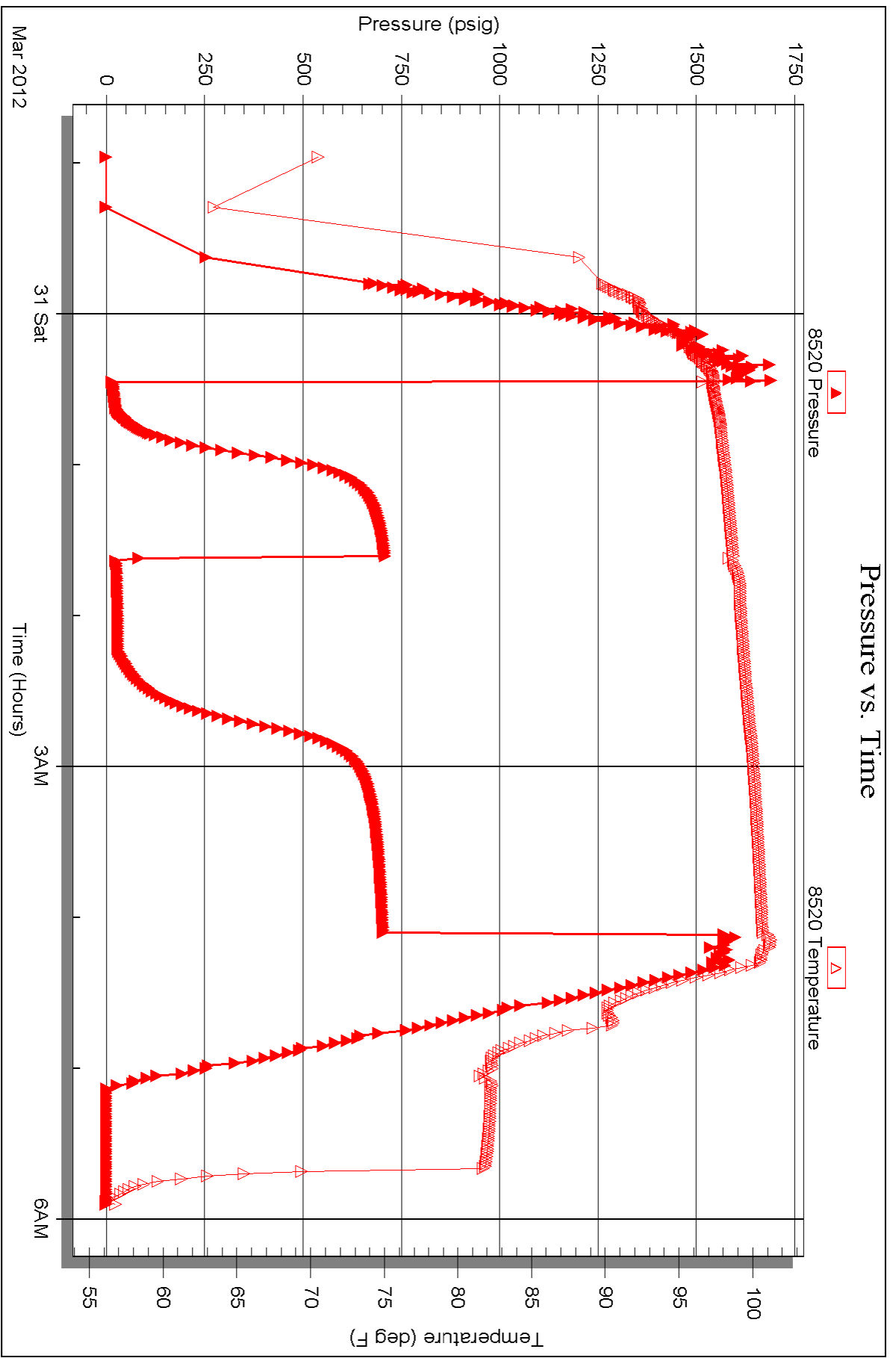
Printed: 2012.03.31 @ 10:58:36

Serial #: 8520

Outside Samuel Gary Jr. & Associates, Inc.

Phil Schneider

DST Test Number: 1



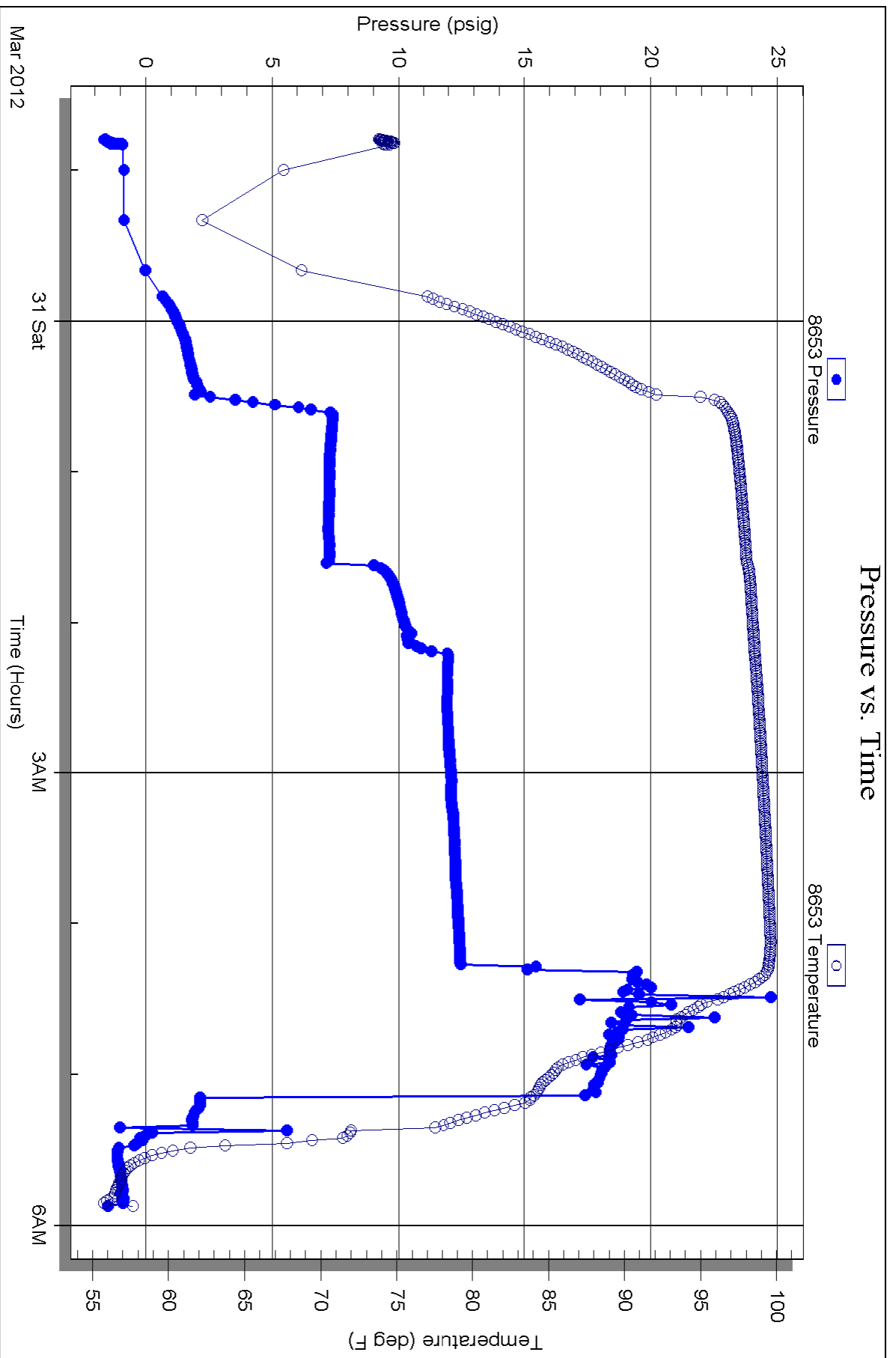
Serial #: 8653

Fluid

Samuel Gary Jr. & Associates, Inc.

Phil Schneider

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

15/12S/17W-Ellis

1515 Wynkoop Ste. 700
Denver, CO 80202

Phil Schmeidler

ATTN: Clayton Camozzi

Job Ticket: 47212

DST#: 2

Test Start: 2012.03.31 @ 15:03:15

GENERAL INFORMATION:

Formation: **Landing "E-Middle G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:19:35

Time Test Ended: 22:02:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 3438.00 ft (KB) To 3485.00 ft (KB) (TVD)

Reference Elevations: 2150.00 ft (KB)

Total Depth: 3485.00 ft (KB) (TVD)

2142.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8354 Inside

Press @ Run Depth: 46.71 psig @ 3442.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.31

End Date:

2012.03.31

Last Calib.:

2012.03.31

Start Time: 15:13:15

End Time:

22:02:15

Time On Btm:

2012.03.31 @ 16:19:25

Time Off Btm:

2012.03.31 @ 19:59:15

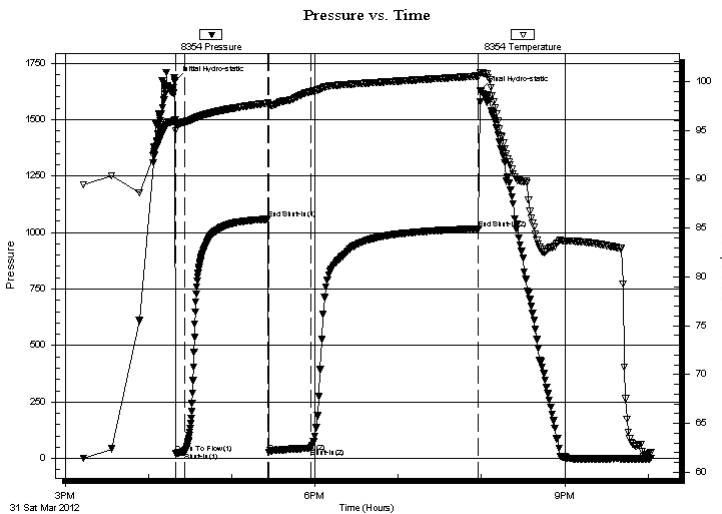
TEST COMMENT: IF-Fair building blow . Built to 4 inches.

ISI-No Return.

FF-Strong building blow . Built to BOB in 5 minutes.

FSI-Return @ 1&1/2 minutes. Built to 1&1/2 inches. Times-5-60-30-120

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1672.99	96.06	Initial Hydro-static
1	20.94	94.98	Open To Flow (1)
7	29.60	95.86	Shut-In(1)
67	1059.39	97.80	End Shut-In(1)
68	28.59	97.58	Open To Flow (2)
98	46.71	98.96	Shut-In(2)
219	1016.02	100.57	End Shut-In(2)
220	1629.43	100.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	20% Gas/40% Oil/40% Mud	0.77
0.00	298' G.I.P.	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

15/12S/17W-Ellis

1515 Wynkoop Ste. 700
Denver, CO 80202

Phil Schmeidler

Job Ticket: 47212

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2012.03.31 @ 15:03:15

GENERAL INFORMATION:

Formation: **Landing "E-Middle G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:19:35

Time Test Ended: 22:02:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 38

Interval: 3438.00 ft (KB) To 3485.00 ft (KB) (TVD)

Reference Elevations: 2150.00 ft (KB)

Total Depth: 3485.00 ft (KB) (TVD)

2142.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8520 Outside

Press @RunDepth: psig @ 3442.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.31 End Date: 2012.03.31

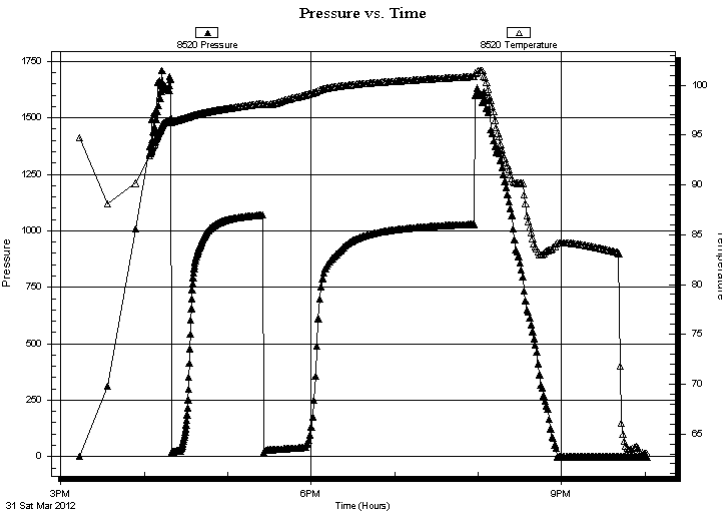
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Start Time: 15:13:30 End Time: 22:01:30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Fair building blow . Built to 4 inches.
 IS-No Return.
 FF-Strong building blow . Built to BOB in 5 minutes.
 FS-Return @ 1&1/2 minutes. Built to 1&1/2 inches. Times-5-60-30-120



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
75.00	20% Gas/40% Oil/40% Mud	0.77
0.00	298' G.I.P.	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

15/12S/17W-Ellis

1515 Wynkoop Ste. 700
Denver, CO 80202

Phil Schmeidler

ATTN: Clayton Camozzi

Job Ticket: 47212

DST#: 2

Test Start: 2012.03.31 @ 15:03:15

GENERAL INFORMATION:

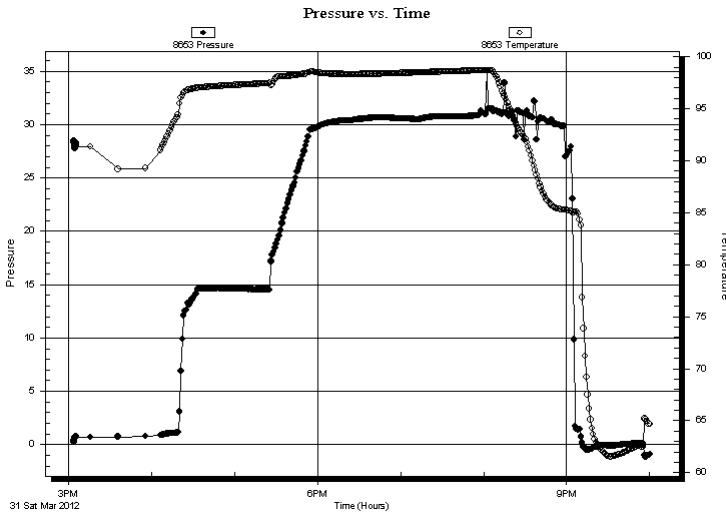
Formation: **Landing "E-Middle G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:19:35
 Time Test Ended: 22:02:15
 Interval: **3438.00 ft (KB) To 3485.00 ft (KB) (TVD)**
 Total Depth: 3485.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 38
 Reference Elevations: 2150.00 ft (KB)
 2142.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8653

Fluid

Press @ Run Depth: psig @ 3408.00 ft (KB)
 Start Date: 2012.03.31 End Date: 2012.03.31
 Start Time: 15:03:46 End Time: 22:00:15
 Capacity: 8000.00 psig
 Last Calib.: 2012.03.31
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-Fair building blow . Built to 4 inches.
 IS-No Return.
 FF-Strong building blow . Built to BOB in 5 minutes.
 FS-Return @ 1&1/2 minutes. Built to 1&1/2 inches. Times-5-60-30-120



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
75.00	20% Gas/40% Oil/40% Mud	0.77
0.00	298' G.I.P.	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, Inc.

15/12S/17W-Ellis

1515 Wynkoop Ste. 700
Denver, CO 80202

Phil Schmeidler

Job Ticket: 47212

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2012.03.31 @ 15:03:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	20%Gas/40%Oil/40%Mud	0.770
0.00	298' G.I.P.	0.000

Total Length: 75.00 ft Total Volume: 0.770 bbl

Num Fluid Samples: 0

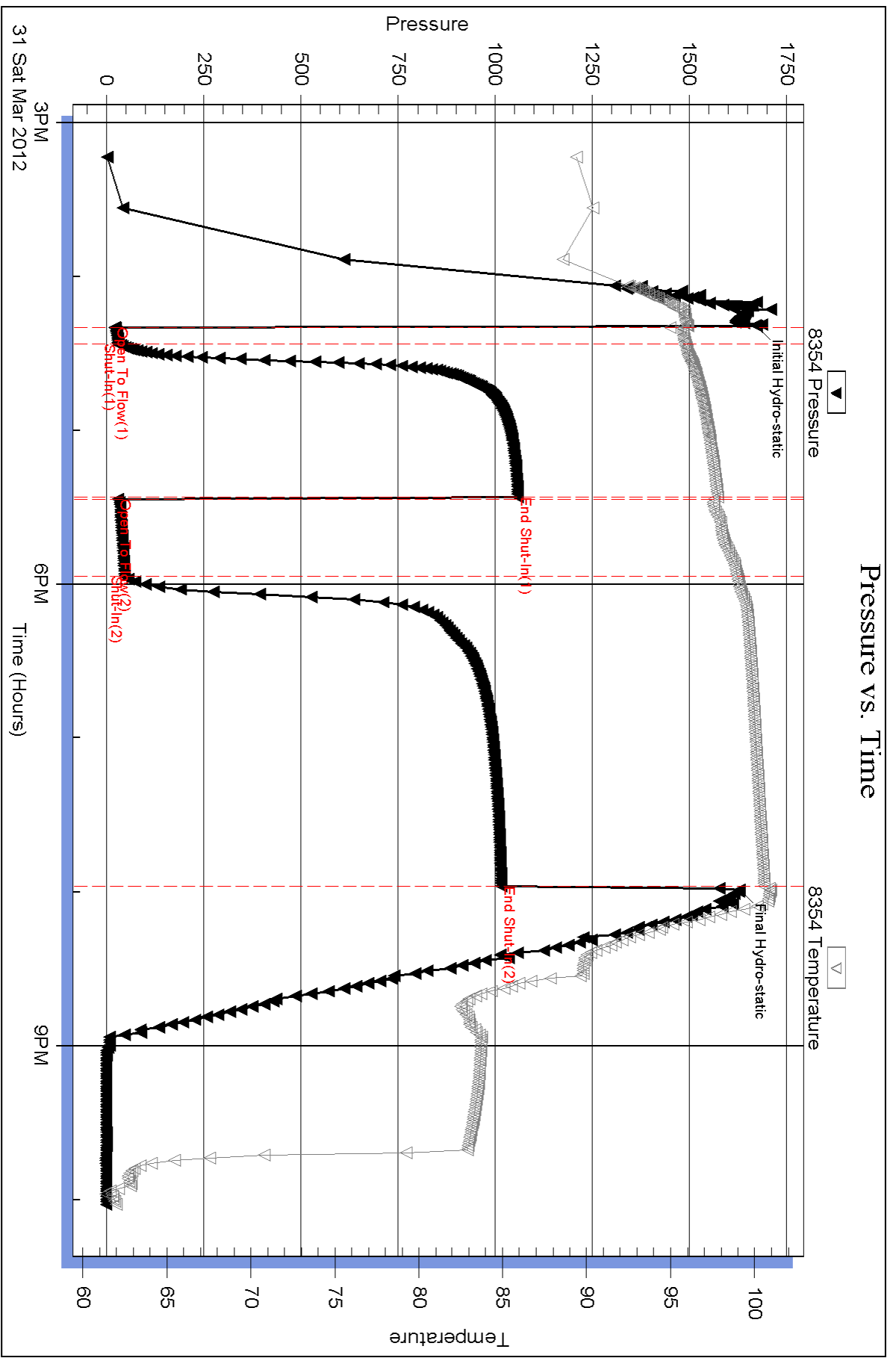
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler-2000ML total. 1000ML Oil. 1.5 cubic feet of gas.
450# of pressure. Gravity 32.

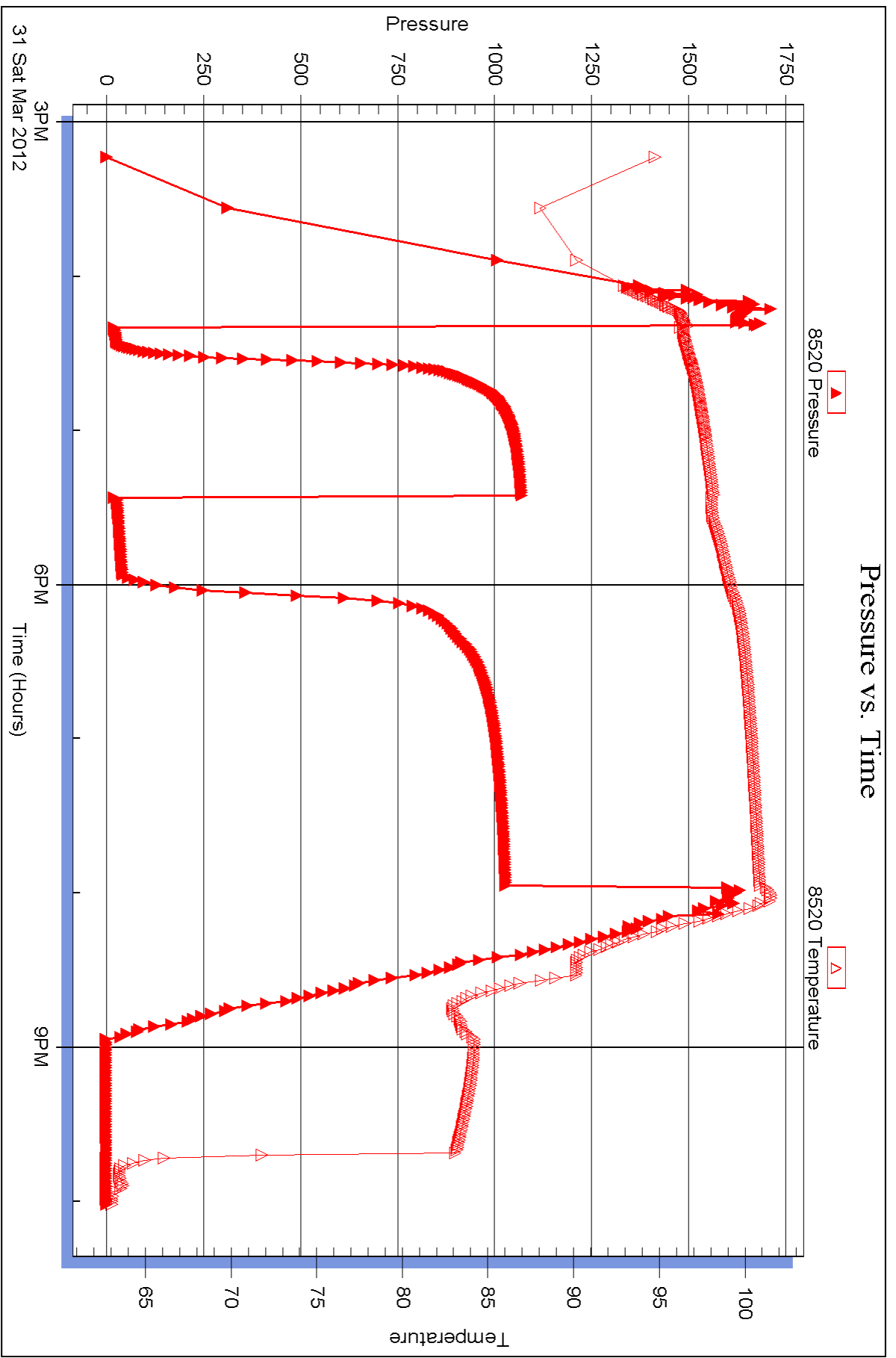


Serial #: 8520

Outside Samuel Gary Jr. & Associates, Inc.

Phil Schneider

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 47212

Printed: 2012.04.01 @ 10:01:15

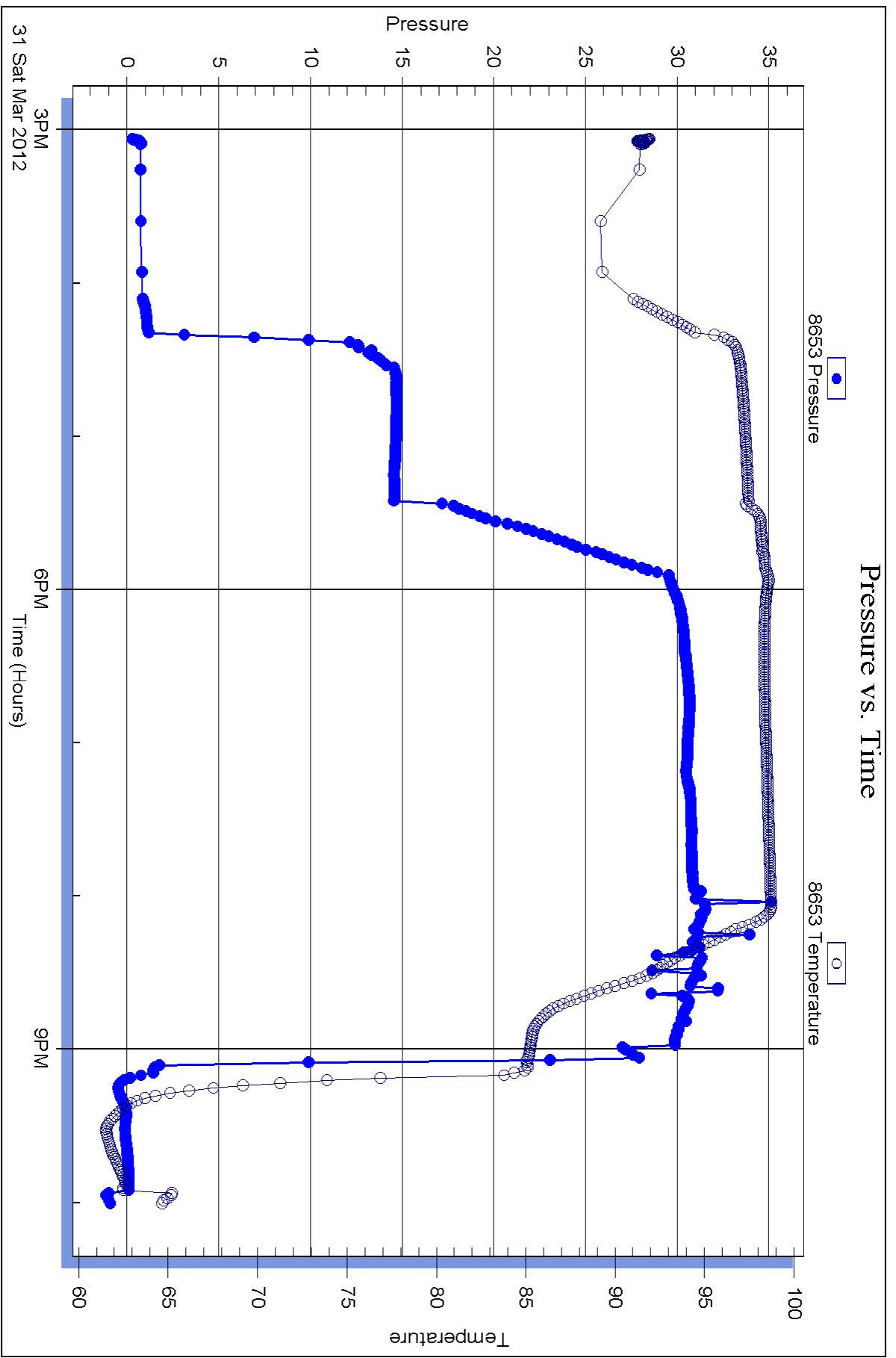
Serial #: 8653

Fluid

Samuel Gary Jr. & Associates, Inc.

Phil Schneider

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 47212

Printed: 2012.04.01 @ 10:01:16



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

Well Name: SGA-Phil Schmeidler 1-15
 Location: Sec 15 12s 17w, Ellis County, Kansas
 License Number: 15-051-26279-0000
 Spud Date: 4-26-12
 Surface Coordinates: 2050' FSL & 2070' FEL
 Region: Wildcat
 Drilling Completed: APRIL 1, 2012

Bottom Hole Coordinates:
 Ground Elevation (ft): 2142' K.B. Elevation (ft): 2150'
 Logged Interval (ft): 2950' To: 3780' Total Depth (ft): 3780'
 Formation: Lansing, Arbuckle
 Type of Drilling Fluid:

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

OPERATOR

Company: Sam Gary Jr. & Assoc.
 Address: 1515 Wynkoop, Ste. # 700
 Denver, Co. 80202
 Co. Geo: Clayton Camozzi

GEOLOGIST

Name: Tim Hedrick/ Aaron Suelter
 Company: Earth Tech OGL, Inc.
 Address: PO Box 683
 Hooker, Okla. 73945
 888-543-8378 Cell: 580-754-0062

DST's Report

DST#1 3400-3425 10 60 35 110
 IF-BLT TO 1" /ISI-NB /FF-BLT TO 6" /FSI-NB
 IH-1639,FH-1602/ IF-17 TO 28, FF-29 TO 36/ ISI-707,FSI-701
 RECOV.- 45' TOTAL FLUID, OCM, 10% OIL, 90% MUD/ PIT CHL- 4000/ NO BHT REPORTED
 SAMPLER-500 ML OIL, 1500 ML MUD, 2000 ML TOTAL, NO PRESSURE REPORTED

ROCK TYPES

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

ACCESSORIES

MINERAL	Salt	Fossil	Clystn
Anhy	Sandy	Gastro	Dol
Arggrn	Silt	Oolite	Grysh
Arg	Sil	Ostra	Gryslt
Bent	Sulphur	Pelec	Lms
Bit	Tuff	Pellet	Sandylms
Brecfrag	Chlorite	Pisolite	Sh
Calc	Dol	Plant	Sltstn
Carb	Sand	Strom	
Chtdk	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	Sltstrg	Mudst
Nodule	Echin	Ssstrg	Packst
Phos	Fish	Carbsh	Wackest
Pyr	Foram		

OTHER SYMBOLS

POROSITY TYPE

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

SORTING

- W Well
- M Moderate
- P Poor

ROUNDING

- R Rounded
- S Subrnd
- a Subang

- A Angular

OIL SHOWS

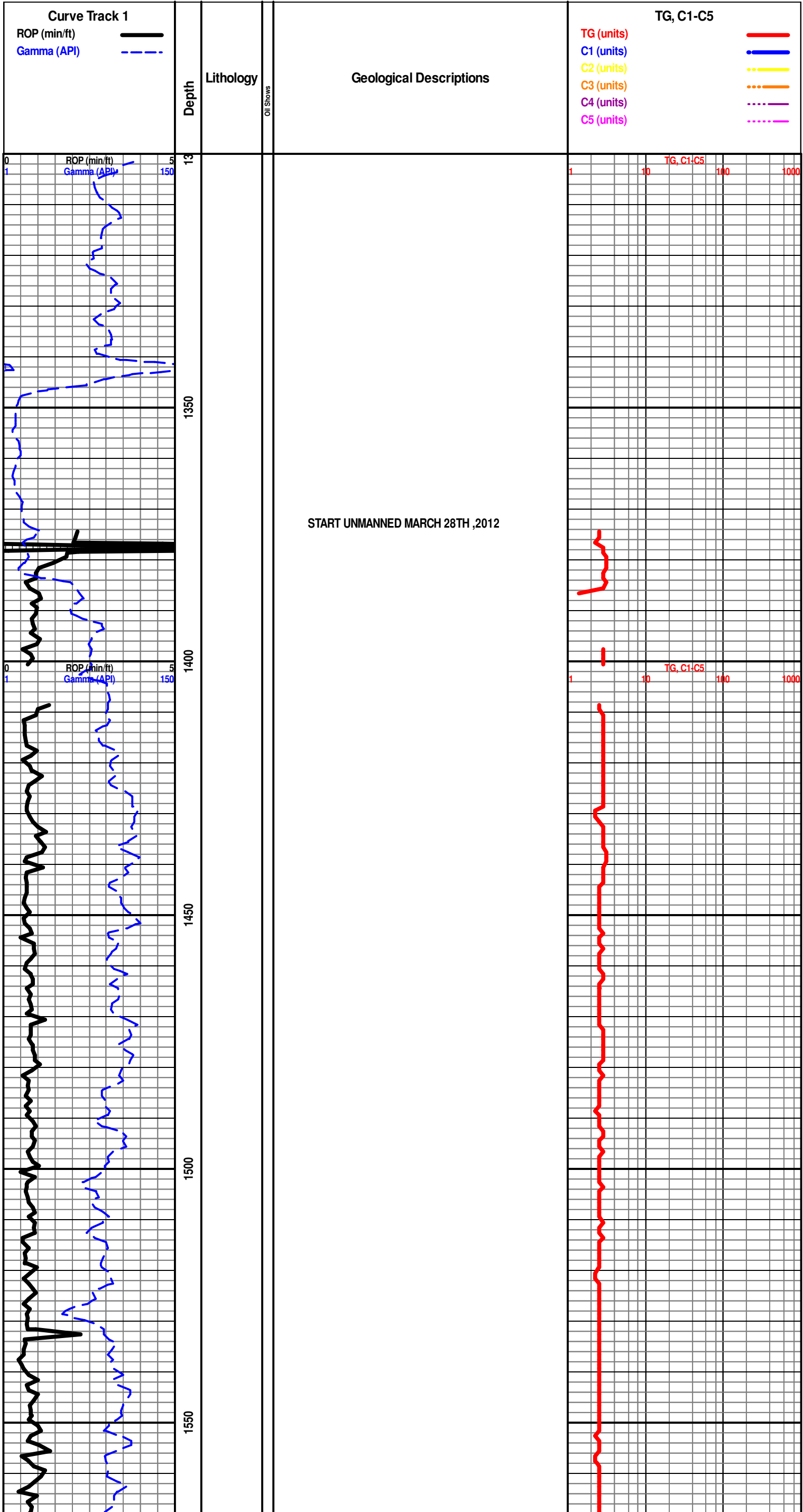
- E Even
- S Spotted
- Q Ques
- D Dead
- G Gas show

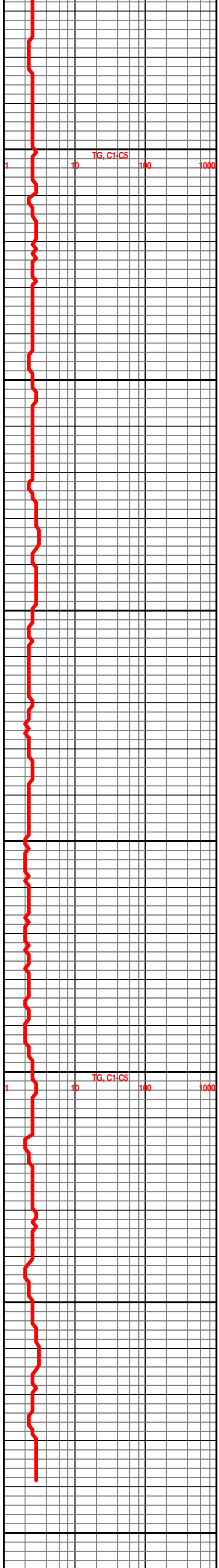
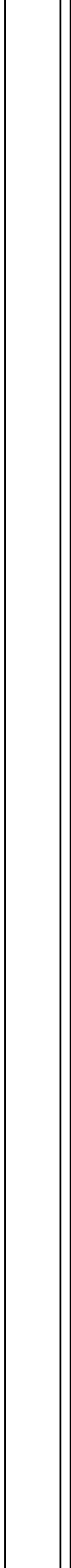
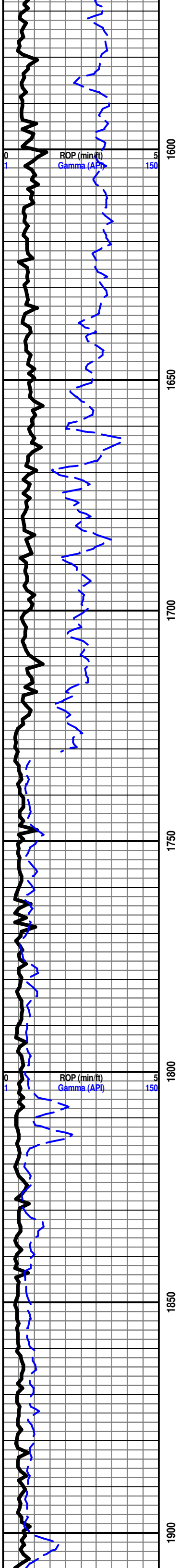
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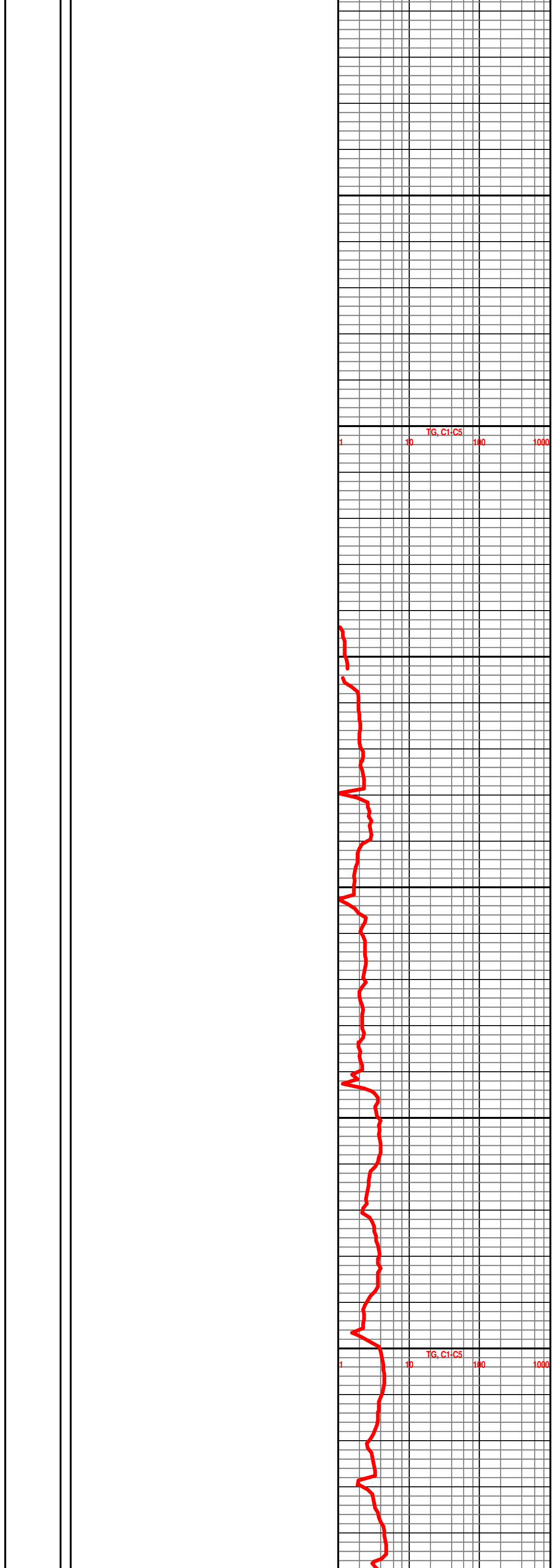
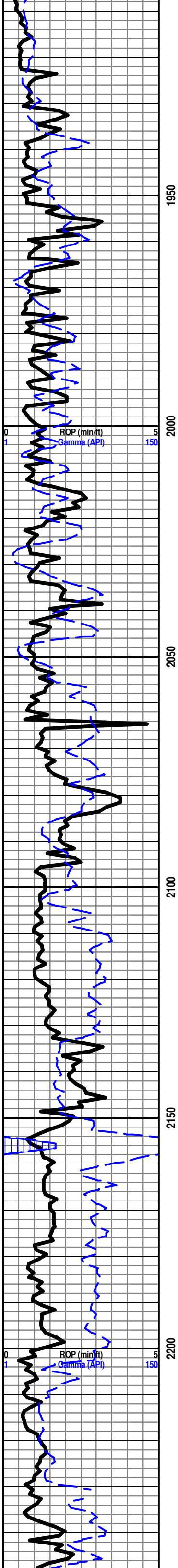
- Core
- Dst
- Dst

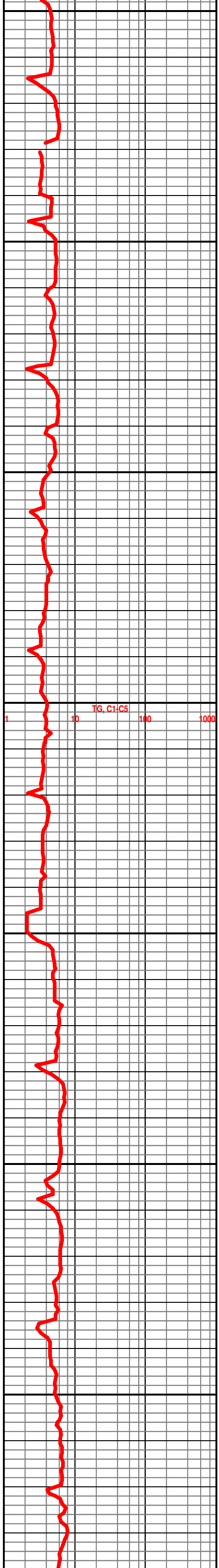
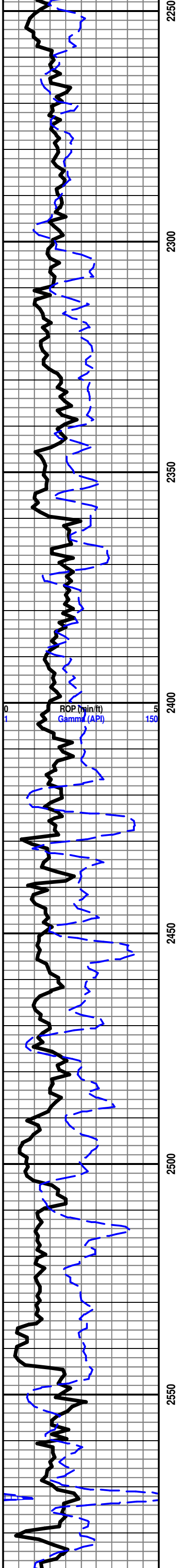
EVENTS

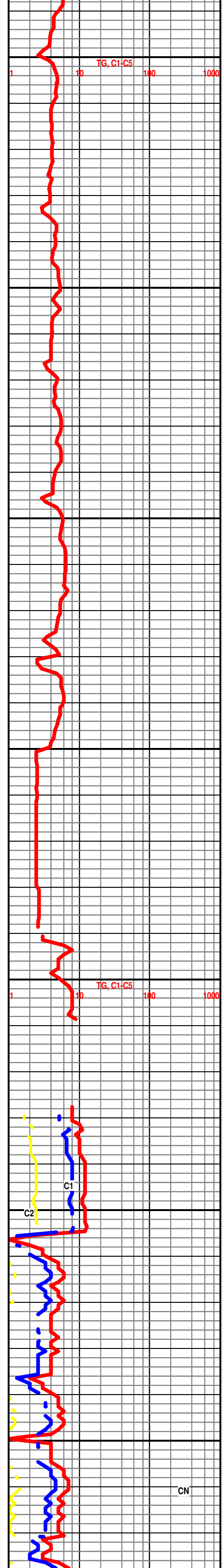
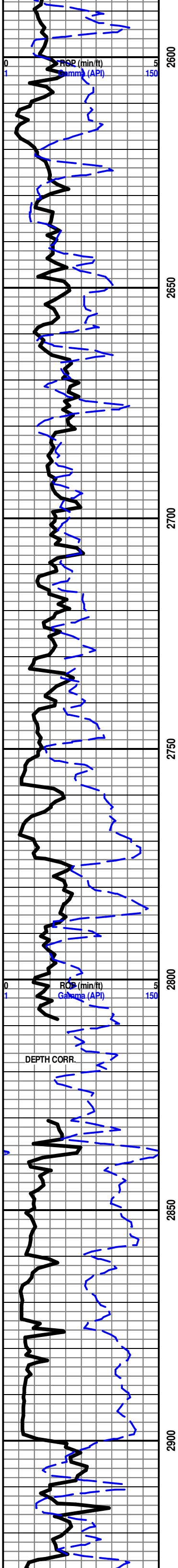
- Rft
- Sidewall





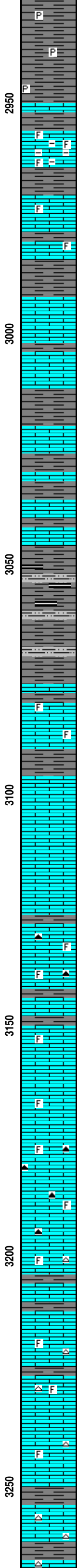
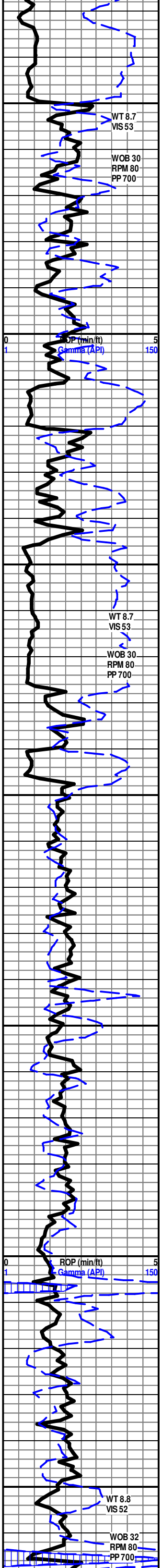






START 24 HR MANNED UNIT 3/29/2012

BRS 2899' - 749'



SH- LT YO MED GY- FRM BLKY SMTH TXT IP TO V/ SFT GMMY W/ PYR CLSTRS

CN

LS- CRM LT TN LT GY IP, HD DNS MOTT, MD-F-XLN RE-XLN MTRX, ABDT IMBD SH SCAT IP, V/ FOSS. LT YEL MIN FLO THRU, NO VIS POR, NO VIS SHOW

CN

LS-CRM LT TN TN- HD DNS TO BRITT IP, MD-XLN TO TT SUCRO MTRX IP, SCAT IMBD FOSS FRGS IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

SH- V/ LT GRN- V/ SFT GMMY

LS- CRM LT TN LT BRN- HD DNS F-XLN TO MD-XLN IP, SLI TR S-SUCRO S-CHLKY IP, LT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

8 U. BG

CN

SH- LT TO MED GY- FRM BLKY SMTH TXT TO SLI GRNY IP TR GRN SH

LS- CRM LT TN TN LT GY IP, MOTT, HD DNS TO BRITT, F-XLN IP TO SUCRO SLI S-CHLKY MTRX, ABDT IMBD LT GY SH IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW OR CUT

CN

LS- TN BRN GY- HD DNS MOTT, F-XLN TO V/TT SUCRO MTRX IP, ABDT IMBD LT GY SH IP DISS AND LMNTD IP, NO FLO, NO VIS POR, NO VIS SHOW

SH- LT TO MD GY, GRN - FRM BLKY IP GRNY TXT TO V// SFT SLTY IP, W/ DISS BLK SFT CARB SH IP, NO FLO, NO VIS POR, NO VIS SHOW OR CUT

12 U. BG

CN

HOWARD 3076' - 926'

LS- OFF WHT CRM BFF- HD DNS IP TO SFT, MD-F-XLN RE-XLN MTRX, V/ S-CHLKY IP, SCAT IMBD FOSS FRGS IP, LT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

CN

LS- CRM BFF LT TN- HD DNS SLI TR BRITT, MD-F-XLN SLI RE-XLN IP, FRLY NON DESCRIPT, LT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

CN

LS- OFF WHT CRM TN- HD DNS SLI TR BRITT I, F-V/F-XLN TR CRYPTO-XLN, LT TN CHRT IP, TR FOSS FRGS IP, NO FLO, NO VIS POR, NO VIS SHOW

TOPEKA 3149' - 999'

LS- OFF WHT CRM LT GY- MD HD TO BRITT, MD-XLN TO SUCRO SLI S-CHLKY IP, TR FOSS FRGS IMBD IP, SLI TR IMBD SH IP, NO FLO, NO VIS POR, NO VIS SHOW

CN

LS- CRM LT TN LT GY- HD DNS TR BRITT, F-V/F-XLN, RE-XLN MTRX, V/ SUCRO IP, ABDT IMBD FOSS FRGS, TN GY WTHRD CHRT, NO FLO, NO VIS POR, NO VIS SHOW

11 U. BG

CN

LS- OFF WHT CRM - MD HD TO BRITT, MD-XLN TO SUCRO S-CHLKY MTRX, V/ CHLKY IP, TR FOSS FRGS IMBD IP, TR WHT GY MOTT CHRT, NO FLO, NO VIS POR, NO VIS SHOW

1000

CN

LeCOMPTON 3226' - 1076'

LS- OFF WHT CRM BFF- HD DNS TO BRITT, MD-F-XLN TO SUCRO S-CHLKY IP, TR FOSS FRGS IP, TR LT GY CHRT, NO FLO, NO VIS POR, NO VIS SHOW

CN

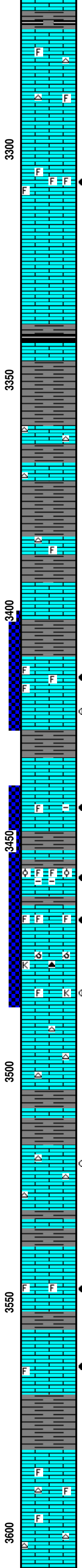
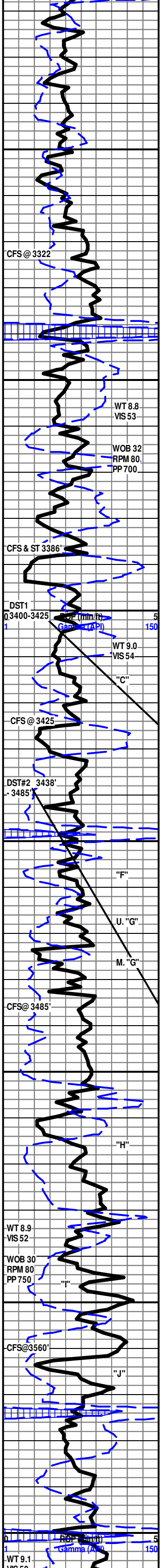
LS- OFF WHT CRM BFF LT GY MOTT- HD DNS TO BRITT, MD-F-XLN TO SUCRO S-CHLKY IP, TR FOSS FRGS IP, TR IMBD DISS LT GY SH, TR LT GY CHRT, NO FLO, NO VIS POR, NO VIS SHOW

10 U. BG

CN

LS- OFF WHT CRM LT GY- HD DNS F-XLN TO V/F-XLN IP, MOTT, ABDT IMBD GY SH IP, ABDT WHT GY CHRT, NO FLO, NO VIS POR, NO VIS SHOW

CN



SH- MD TO DK GY - FRM BLKY SMTH TXT TO SLI BLK SFT CARB IP

LS- OFF WHT CRM LT TN- HD DNS TO BRITT, MD-F-XLN RE-XLN MTRX, V/ S-CHLKY IP, V/ FOSS IP, TN WHT CHRT IP, NO FLO, NO VIS POR, NO VIS SHOW

3304-3308- LS- OFF WHT CRM TN LT BRN(DUE TO OIL STN AND LIVE HVY OIL STN SCAT THRU) HD DNS IP TO V/ BRIT, MD-F-XLN RE-XLN MTRX, V/ FOSS IP, TR FREE FOSS, DLL YEL GLD FLO THRU, PR TO FR VIS INTER-FOSS POR IN 20%,SLI TR GD INTER-FOSS POR IN 10%, PR SCAT MICROVUG POR IN 25%, EXCEL FLSH CUT IN 80%, V/GD SLO STRM CUT IN 70%, DK TN STN ON DISH

HEEBNER 3337' - 1187'

SH- BLK SFT CARB

SH- LT TO MD GY TO GRN- FRM BLKY SMTH TXT TO GMMY IP

LS- OFF WHT CRM-HD DNS F-V/F-XLN TO SUCRO S-CHLKY MTRX, WHT CHRT IMBD, LT YEL MIN FLO THRU, NO FLO, NO VIS POR, NO VIS SHOW OR CUT

DOUGLAS 3372' - 1222'

SH- RED GY- FRM BLKY IP TO GRNY TXT , SFT SLTY

LANSING 3384' - 1234'

LS- CRM LT TN TN- HD DNS TO BRITT, MD-F-XLN RE-XLN MTRX, FOSS FRGS IP, TR SMLL CALC XLS, TR TRSLCNT WHT CHRT IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

LANSING "C" 3410'- 1260'

3413-3416- LS- CRM LT TN TN(SCAT LT TN OIL STN THRU), HD DNS TO TR V/ BRITT IP, V/F-CRYPTO-XLN TO MD-XLN IP, RE-XLN IP, W/ ABDT SMLL CALC XLS ON ONE FACES OF ROCK AND HVY TR CALC XLS IN CLSTRS, SCAT TO ABDNT IMBD FOSS IP, DLL YEL GLD FLO THRU, W/ BRIT YEL GLD FLO SCAT IN 40-50%, FR TO GD VIS INTER-XLN POR IN 10-20%, FR TO TRC GD INTR FOSS POR IN 10-20%, POSS FRACT POR SCAT IP, GD FLUSH CUT IN 100%, EXCEL SLOW STRM CUT IN 100%, LT BRN STAIN ON DISH, LT OIL ODOR

3420-3422- LS- LT TN TN (LT TN OIL STN SCAT IN 50%) HD DNS, MD-F-XLN, RE-XLN MTRX, ABDT SCAT IMBD SMLL FOSS IPS,LI TR LRG CALC XLS IMBD IP, BRIT YEL GLD FLO IN 80%, NO FLO IN 20%, PR TO FR INTER-XLN POR SCAT IN 20%, PR TO FR VIS MICROVUG POR SCAT IN 20%, PR VIS INTER-FOSS POR SCAT IN 20%, FR TO GD FLSH CUT IN 50%, GD SLO STRM CUT IN 50%,PR SLO STRM CUT IN 30%, NO STN ON DISH, NO ODOR

3439-3444- LS-CRM LT TN TO TN, TN OIL STAIN IN 90%, HD DNS TO BRITT IP, MD TO FN XLN , V FN XLN IP, RE-XLN MTRX, FOSS FRGS IMBD THRU, SLT TRC IMBD LT GRN SH IP, SML CALC XLS IMBD IP, DUL YEL GLD FLO IN 70%, BRT YEL GLD FLO SCAT IN 10%, PR VIS INTR FOSS POR IN 30%, PR INTR XLN POR IN 10%, GD FLUSH CUT THRU, GD SLOW STRM CUT IN 50%, LT TN STAIN ON DISH, GD OIL ODOR

3456'-3458'- LS- TN BRN DK BRN TO GY IP, HD DNS MOTT, LT BRN TO DK BRN OIL STAIN SCAT THRU, MD TO FN XLN, RE-XLN MTRX, ABDT IMBD FOSS FRGS THRU, LAMNTD DK GY SH IN 30%, SLT TRC OOLIT IP, DUL YEL GLD FLO IN 80%, V/ DUL YEL GLD FLO IN 20%, TRC BRT YEL GLD FLO, PR VIS INTR FOSS POR, TRC PR VUG POR IN 20%, FR FLSH CUT IN 30%, GD SLOW STRM IN 100%, FR OIL ODOR, DK TN STAIN ON DISH

3464'-3468'- LS- LT TN TO TN, CRM IP, HD V/BRIT, MD TO FN XLN, V/ FOSS THRU, SLT TRC WHT CHLK, IMBD SML CALC XLS SCAT IP, TRC FREE FOSS FLOATING IN TRAY BRT YEL GLD FLO THRU, TRC DUL YEL GLD FLO, PR FR TRC TO GD VIS INTR FOSS POR IN 30% FR VIS INTR XLN POR & MICRO PP SCAT IN 50%, EXCEL INST FLSH CUT 100%, EX SLW STRM CUT IN 100%,DK TN STAIN ON DISH, GD OIL ODOR

3473'-3478'- LS- CRM OFF WHT TO WHT, HD DNS IP TO SFT CHLKY, MD XLN RE-XLN IP, V/ OOLMLDIC IN 10% GRDING TO MD HD TO SFT WHT CHLK, HVY TRC IMBD TN CHRT, TRC GLAUC OR KAOL, NO FLO IN 70%, TRC BRT YEL GLD FLO IP, V/PR VIS OOLMLDIC POR IN 10% TO NO POR IN 90%, NO VIS CUT, NO VIS SHOW

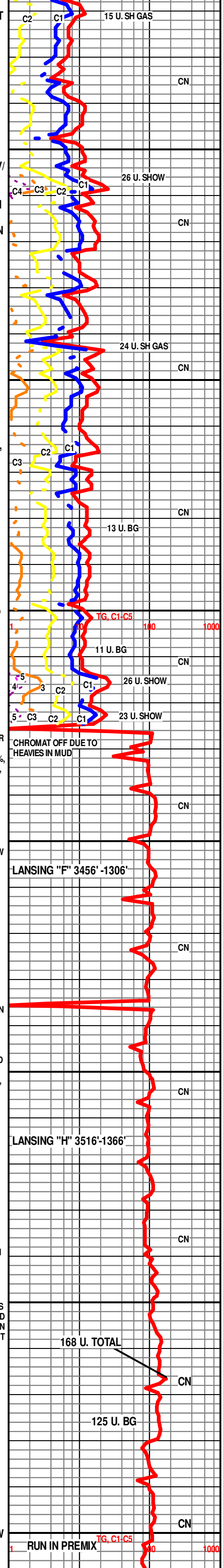
3480' -3483 -LS-OFF WHT TO CRM LT TN DUE TO STN SCAT IN 40% & ON ONE FACES OF ROCK, HD DNS TO BRITT IP,F-V/F-XLN TO MD-XLN RE-XLN MTRX S-SUCRO IP, V/ FOSS IN 20%, TR GLAUC OR KAOL IN 1 PIECE, TR CALC XLS ON FACES OF ROCK ONLY, BRIT YEL GLD FLO IN 20%, DLL YEL FLO IN 50%, NO FLO IN 30%, PR VIS POSS FRACT POR IN 10%, PR SCAT VUG POR IP, PR VIS INTER-FOSS POR IN 10%, GD FLSH CUT IN 80% TO NO SLO STRM CUT , NO STN ON DISH, FR OIL ODOR

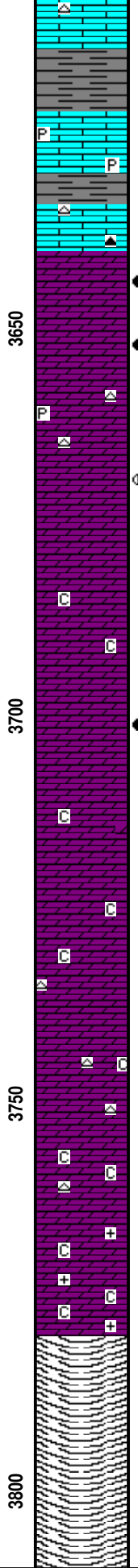
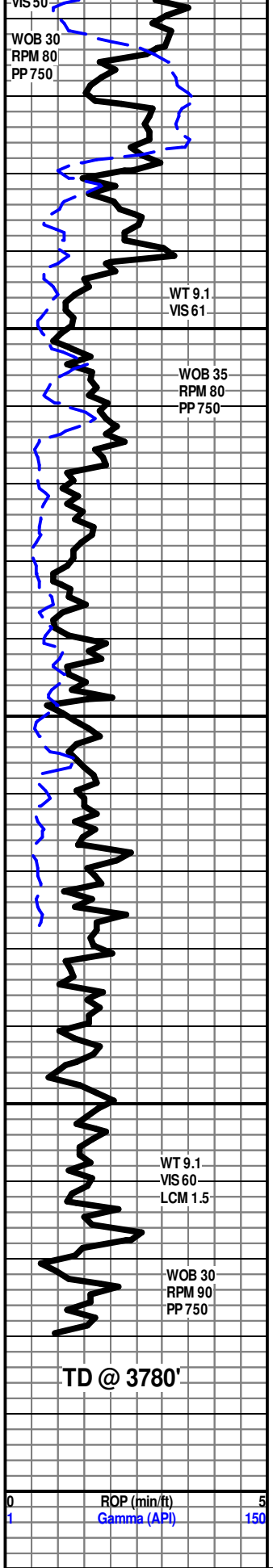
3518'-3521' LS- OFF WHT TO CRM, TRC LT TN STN IN 10%, HD DNS F XLN TO MD XLN IP, RE-XLN IP, HVY TRC CHLKY IP, LT TRC ABDT IMBD WHT TRSLCNT CHRT THRU, DUL YEL FLO IN 30%, TRC BRT YEL FLO IN 2%, NO VIS POR, NO FLSH CUT, GD SLW STRM CUT IN 2%, LT OIL ODOR

3546-3548' LS- LT TN DK TN(DUE TO EVEN BRN OIL STN THRU) HD DNS TO BRITT IP, MD XLN RE-XLN TO TT SUCRO IP, TR SCAT FOSS FRGS IP, TR SMLL CALC XLS IP, DLL YEL GLD FLO THU, TR SCAT BRIT YEL GLD FLO IN 20%, PR VIS INTER-XLN PP POR THRU, TR PR INTER-FOSS POR IN 10%, EXCEL FLSH CUT THRU TO EXCEL SLO STRM RICH MLKYBLU CUT THRU IN 100%, NO ODOR, DK TN STN ON DISH

3562-3565' LS- OFF WHT LT TN DK TN(LT BRN OIL STN IN 80%) HD DNS TO V/ BRITT, MD-F-XLN, SCAT IBD LRG ANG LM GRNS IP, HVY TR FOSS FRGS IP, SLI SUCRO IP, SMLL CALC XLS IMBD ON FACES OF TWO ROCKS, BRIT YEL GLD FLO THRU, FR VIS INTER-FOSS POR IN 30%, FR VIS SCAT MICROVUG TO VUG POR IN 10%, V/ GD FLSH CUT IN 100%, V/ GD SLO STRM CUT THRU, NO ODOR, LT TN LCH ON DISH

LS- CRM LT TN- HD DNS , F-V/F-XLN , TR CRYPTO-XLN IP, IMBD FOSS FRGS IP, SLI TR WHT CHLK IP, TR LT GY CHRT IP, TR LT YEL MIN FLO , NOVIS POR, NO VIS SHOW





BKC 3614'-1466'

SH- RED GRN- FRM BLKY SMTH TXT IP TO GRNY

LS- OFF WHT CRM BFF- HD DNS F-V/F-XLN CRYPTO-XLN IP, TR SCAT IMBD DISS PYR IP, LT YEL MIN FLO IP, NO VIS POR, NO VIS CUT OR SHOW

LS- OFF WHT CRM BFF- HD DNS F-V/F-XLN RE-XLN IP, TR SCAT TRNSLCNT WHT ORNG CHRT, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

ARBUCKLE 3640' -1490'

3641-3652' DOLO- OFF WHT TO WHT TN IP, (DUE TO LIVE OIL THRU) HD V/ BRITT, V/ FN TO CRS SUCRO MTRX, ABDT IMBD SMLL TO MD ANG DOLO GRNS THRU, SLI TR POSS SMLL ANG CLR QURTZ GRNS IP, DLL YEL GLD FLO IN 70%, BRIT YEL GLD FLO IN 30% GD VIS INTR-XLN POR SCAT THRU, V/ SMLL ROCKS, ALL VERY BRITT, ABDT FREE LIVE OIL THRU TRAY AND ON WATER IN TRAY, NO ODOR, EXCEL FLSH CUT TO EXCEL SLO STRM MLKY BLU CUT THRU, BRN STN ON DISH

3653-3667- DOLO - OFF WHT TO CRM LT GY- HD DNS F-V/F-XLN IP TO CRS SUCRO IP, SMC SCAT IMBD SNG DOLO GRNS IP, TR PYR CLSTRS IP, SLI TR IMBD TRNSLCNT CHRT IP, DLL YEL MIN FLO IN 70%, DLL YEL GLD FLO IN 30%, NO VIS POR, NO VIS CUT OR SHOW

3667-3676' - DOLO-CRM OFF WHT LT TN, HD DNS TO BRIT, TN OIL STAIN IN 30%, TRC DOS IP, V SUCRO MTRX TO F XLN IP, SLT TRC IMBD CHLK IP, SML IMBD ANG DOLO GRNS IN 30%, DUL YEL GLD FLO IN 60%, NO FLO IN 30%, BRT YEL GLD FLO IN 10%, PR TO FR TO GD VIS INTR GRN POR IN 30%, TRC PR VUG POR IN 10%, PR FLUSH CUT IN 20%, GD SLW STRM CUT IN 20%, NO CUT IN 80%, NO OIL ODOR, NO STAIN ON DISH,

3698'-3702' - DOLO-OFF WHT TO CRM, LIVE BLK HVY OIL STAIN IN 50%, HD DNS TO V BRIT, MD XLN IP, PR SUCRO MTRX, ABDT IMBD SML TO MD ANG DOLO GRNS THRU, DUL YEL FLO IP, TRC DUL YEL GLD FLO IP, V GD VIS INTR XLN POR TO GD MICRO VUG POR IN 50%, V GD FLSH CUT 100%, V GD SLW STRM CUT IN 100%, DK TN STAIN ON DISH

DOLO-OFF WHT CRM TN, HD DNS TO BRIT, V FN TO CRS SUCRO MTRX, ABDT IMBD ANG DOLO GRNS THRU, HVY TRC ABDT SFT WHT CHLK, DUL YEL MIN FLO, PR VIS INTR XLN POR TO NO POR,

ABDT UPHOLE CAVINGS IN 50%

3732'-3748' DOLO-LT TN TO TN, HD DNS TO V BRIT, F XLN TO SUCRO MTRX IP, ABDT WHT TRNSLCNT CHRT, HVY TRC IMBD SFT WHT CHLK, SLT TRC LG S-RND TO RND FRSTY QTZ GRNS, BRT YEL MIN FLO THRU, NO VIS CUT, NO VIS SHOW

DOLO-LT TN TO TN, HD DNS TO V BRIT, F XLN TO SUCRO MTRX IP, ABDT WHT TRNSLCNT CHRT, HVY TRC IMBD SFT WHT CHLK, BRT YEL MIN FLO THRU, NO VIS CUT, NO VIS SHOW

DOLO-OFF WHT CRM TN, HD DNS TO BRIT IP, MD XLN TO V SUCRO MTRX, ABDT IMBD SFT WHT CHLK, HVY TRC ABDT FLDSR, BRT YEL MIN FLO THRU, PR VIS INTR XLN POR, NO VIS SHOW, NO VIS CUT

R.T.D @ 1:15 PM 4/1/12

ST TO 3400'

CTCH 2 HRS

TOFL

WEATHERFORD/LIBERAL/ROB HOFFMAN

