



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1101156
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: _____



1101156

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

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

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

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

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

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

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

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

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: 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: _____ _____
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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	SCHMITT ET AL 1-32
Doc ID	1101156

All Electric Logs Run

INDUCTION
MICRO
POROSITY
SONIC
SPECTRAL GR

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



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

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 15, 2012

CHRISTOPHER MITCHELL
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-167-23813-00-00
SCHMITT ET AL 1-32
NE/4 Sec.32-14S-15W
Russell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
CHRISTOPHER MITCHELL



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: 7/29/2012
 Invoice # 710

P.O.#:
 Due Date: 8/28/2012
 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:
 SCHMITT ET AL 1-32

Description of Work:
 LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No	Bulk Truck Mileage-Job to Nearest Bulk Plant	16	\$101.45	No
Common-Class A	325	\$ 4,304.86	Yes				
Bulk Truck Mat-Material Service Charge	343	\$ 744.80	No				
Calcium Chloride	12	\$ 620.94	Yes				
5 1/2" Basket	2	\$ 499.43	Yes				
Flo Seal	81	\$ 175.89	Yes				
Pump Truck Mileage-Job to Nearest Camp	16	\$ 173.37	No				
8 5/8" Centralizer	2	\$ 138.97	Yes				
8 5/8" Top Rubber Plug	1	\$ 115.09	Yes				
Premium Gel (Bentonite)	6	\$ 106.05	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 97.71	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 8,069.94

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,210.49)

SubTotal for Taxable Items: \$ 5,150.10

SubTotal for Non-Taxable Items: \$ 1,709.35

Total: \$ 6,859.45

Tax: \$ 427.46

8.30% Russell County Sales Tax

Amount Due: \$ 7,286.91

Applied Payments:

Balance Due: \$ 7,286.91

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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DRGS COMP W/O LOE GG

RECEIVED

AUG 09 2012

SAMUEL GARY JR.
& ASSOCIATES, INC.

Account	8300.238
Well/Prospect	
Deck	
AFE	
Approval	
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. 710

Date	7-27-12	Sec.	32	Twp.	14	Range	15	County	Russell	State	KS	On Location		Finish	12:00 PM
Lease	Schmitt, Et Al	Well No.	1-32			Location									
Contractor										Owner					
Type Job										To Quality Oilwell Cementing, Inc.					
Hole Size										You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Csg.										Charge To					
Tbg. Size										Street					
Tool										City					
Cement Left in Csg.										State					
Meas Line										The above was done to satisfaction and supervision of owner agent or contractor.					
EQUIPMENT										Cement Amount Ordered					
Pumptrk #16										325 3% OC 2% Gel					
Bulktrk #14										44 flow					
JOB SERVICES & REMARKS										Common 325					
Remarks:										Poz. Mix					
Rat Hole										Gel. 6					
Mouse Hole										Calcium 12					
Centralizers										Hulls					
Baskets										Salt					
D/V or Port Collar										Flowseal 81#					
Baffle plate										Kol-Seal					
Rubber plug										Mud CLR 48					
Cement did Citutale										CFL-117 or CD110 CAF 38					
										Sand					
										Handling 343					
										Mileage					
										FLOAT EQUIPMENT					
										Guide Shoe					
										Centralizer 2					
										Baskets 2					
										AFU Inserts					
										Float Shoe					
										Latch Down					
Lease Schmitt, Et Al										1 8 5/8 Rubber plug					
										1 Baffle plate					
										Pumptrk Charge Long Surface					
										Mileage 16					
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: 8/8/2012
 Invoice # 819
 P.O.#:
 Due Date: 9/7/2012
 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:
 SCHMITT ET AL 1-32

Description of Work:
 PROD LONG STRING

RECEIVED
 AUG 13 2012
 SAMUEL GARY JR.
 & ASSOCIATES, INC.

DRLG COMP W/O LOE GG

Account	8300.217
Well/Prospect	
Deck	
APB	
Approval	<i>[Signature]</i>
Description	

Services / Items Included:

Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor	\$ 963.85	No	Salt (Fine)	19	\$279.98	Yes
Common-Class A	225 \$ 2,897.50	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$236.44	Yes
Gilsonite	1057 \$ 1,673.58	Yes	Pump Truck Mileage-Job to Nearest Camp	16	\$168.55	No
CFL 117	176 \$ 1,144.39	Yes	Flo Seal	56	\$118.22	Yes
5 1/2" Basket	3 \$ 728.33	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	16	\$98.63	No
Bulk Truck Matl-Material Service Charge	254 \$ 536.22	No	KCL	2	\$63.04	Yes
CD-110	117 \$ 494.00	Yes				
5 1/2" Turbolizer	8 \$ 489.78	Yes				
Mud Clear	500 \$ 390.56	Yes				
Defoamer A or CAF-38	50 \$ 369.44	Yes				
Auto Fill Float Shoe, 5 1/2"	1 \$ 323.00	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 10,975.52
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,646.33)

SubTotal for Taxable Items:	\$ 7,827.03
SubTotal for Non-Taxable Items:	\$ 1,502.17
Total:	\$ 9,329.19
Tax:	\$ 649.64

8.30% Russell County Sales Tax

Thank You For Your Business!

Amount Due: \$ 9,978.83
Applied Payments:
Balance Due: \$ 9,978.83

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. 819

Date	8-3-12	Sec.	32	Twp.	14	Range	15	County	RUSSELL	State	KANSAS	On Location		Finish	9:45am
Lease	SCOTT ET AL			Well No.	#1-32			Location	RUSSELL W TO BATA RO STA L INCLIN ROR 4W-1N-W/PRO						
Contractor	VAL ENERGY #10							Owner	SAM GARY JR & ASSOC.						
Type Job	PROD. STRING							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	7 7/8"			T.D.	3500'			Charge To	SAM GARY JR & ASSOC.						
Csg.	5 1/2" 14#-NEW			Depth	3491'			Street	1515 WYNKOPF STE 800						
Tbg. Size				Depth				City	DENVER			State	CO, 80202		
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				Shoe Joint				Cement Amount Ordered	225 Q proc-10% salt-5% gel-4 FLO						
Meas Line				Displace	84 BLS			1/4 Flow, 3% CD 110, 25% CAF 38, 8% CFL-117							

EQUIPMENT

Pumptrk #15	No.	Cementer Helper	NECK	Common	225
Bulktrk #10	No.	Driver	COBY	Poz. Mix	
Bulktrk ?/u	No.	Driver	CRICO	Gel.	

JOB SERVICES & REMARKS

Remarks:	Calcium	CD 110	117#
Rat Hole 30 SKS	Hulls	RCL	290C
Mouse Hole 15 SKS	Salt	19	
Centralizers 1, 3, 5, 7, 9, 11, 13, 15	Flowseal	56	
Baskets 3, 9, 15	Kol-Seal	1057#	
D/V or Port Collar	Mud CLR 48	500 GAL.	
RAN FLOAT EQUIPMENT - DROPPED BALL	CFL-117 or CD110 CAF 38	50#	
BROKE CIRCULATION - CIRCULATED 1 hour	Sand	176#	
ON BOTTOM - MADE CONNECTION & PUMPED	Handling	254	
500gal mud clear 48 DOWN 5 1/2" - DIS.	Mileage		

FLOAT EQUIPMENT

CONNECTED PLUGGED RAT HOLE 30 SKS & PLUGGED MOUSE HOLE 15 SKS - MADE CONNECTION MIXED 180 SKS DOWN 5 1/2" - WASHED UP & DROPPED PLUG - DISPLACED PLUG - PLUG LANDED & HELD.	Guide Shoe	
LIFT PRESS @ 1,000#s	Centralizer	8-5 1/2" TURBOS
LANDED @ 1,800#s	Baskets	3-5 1/2"
	AFU Inserts	
	Float Shoe	1-5 1/2"
	Latch Down	1-5 1/2" w/PLUG
	Pumptrk Charge	prod Long string
	Mileage	16

THANK YOU

X Signature

[Handwritten Signature]

Tax	
Discount	
Total Charge	



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr, & Associates

32-14s-15w Russell KS

1515 Wynkoop St. Suite 700
Denver CO, 80202

Schmitt et al 1-32

Job Ticket: 47769

DST#: 1

ATTN: Chris Mitchell

Test Start: 2012.07.30 @ 22:54:00

GENERAL INFORMATION:

Formation: **Toronto - Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:07:00

Time Test Ended: 07:15:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 38

Interval: 3100.00 ft (KB) To 3138.00 ft (KB) (TVD)

Reference Elevations: 1907.00 ft (KB)

Total Depth: 3138.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8354 Inside

Press @ Run Depth: 71.95 psig @ 3135.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.30

End Date:

2012.07.31

Last Calib.:

2012.07.31

Start Time: 23:04:00

End Time:

07:15:30

Time On Btm:

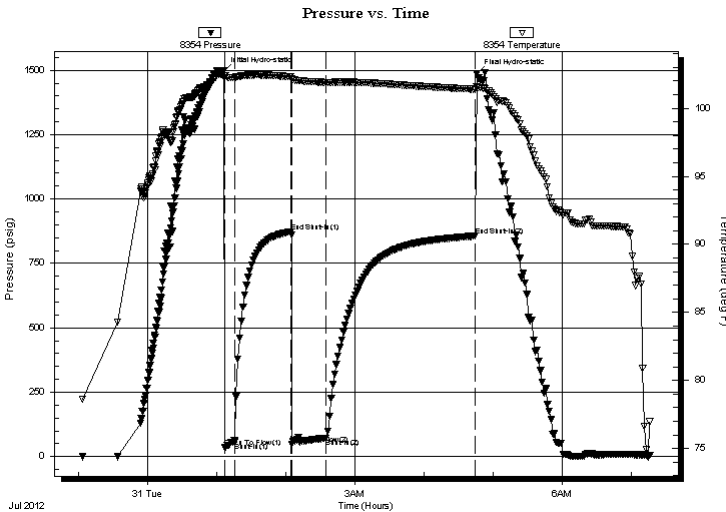
2012.07.31 @ 01:06:30

Time Off Btm:

2012.07.31 @ 04:45:30

TEST COMMENT: 10 - IF- 4" blow
60 - IS- No blow back
30 - FF- 6" blow
120 - FS- No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1493.54	102.78	Initial Hydro-static
1	37.23	102.39	Open To Flow (1)
10	56.29	102.24	Shut-In(1)
58	873.04	102.31	End Shut-In(1)
59	48.99	102.15	Open To Flow (2)
89	71.95	101.89	Shut-In(2)
218	856.25	101.39	End Shut-In(2)
219	1488.09	101.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	WM, 40%W, 60%M	1.12

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr, & Associates

32-14s-15w Russell KS

1515 Wynkoop St. Suite 700
Denver CO, 80202

Schmitt et al 1-32

Job Ticket: 47769 **DST#: 1**

ATTN: Chris Mitchell

Test Start: 2012.07.30 @ 22:54:00

GENERAL INFORMATION:

Formation: **Toronto - Lansing "A"**

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 01:07:00

Tester: Cody Bloedorn

Time Test Ended: 07:15:30

Unit No: 38

Interval: 3100.00 ft (KB) To 3138.00 ft (KB) (TVD)

Reference Elevations: 1907.00 ft (KB)

Total Depth: 3138.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8653 Fluid

Press @ Run Depth: psig @ 3066.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.30

End Date:

2012.07.31

Last Calib.:

2012.07.31

Start Time: 22:54:01

End Time:

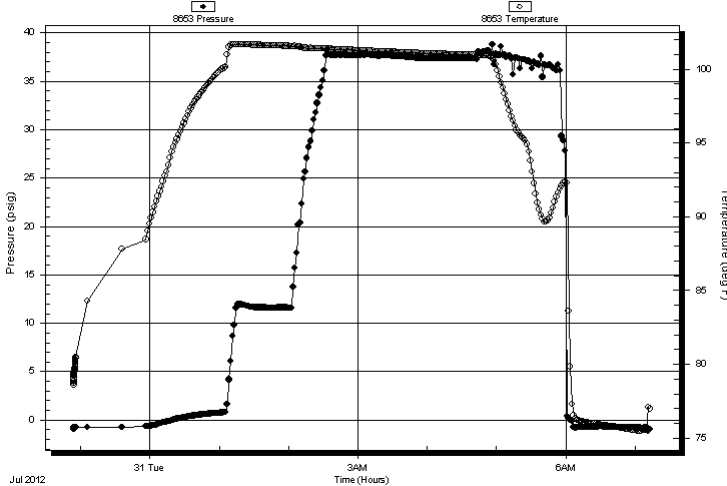
07:13:30

Time On Btm:

Time Off Btm:

TEST COMMENT: 10 - IF- 4" blow
60 - IS- No blow back
30 - FF- 6" blow
120 - FS- No blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
80.00	WM, 40%W, 60%M	1.12

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr, & Associates

32-14s-15w Russell KS

1515 Wynkoop St. Suite 700
Denver CO, 80202

Schmitt et al 1-32

Job Ticket: 47769

DST#: 1

ATTN: Chris Mitchell

Test Start: 2012.07.30 @ 22:54:00

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:

50000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	WM, 40%W, 60%M	1.122

Total Length: 80.00 ft Total Volume: 1.122 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

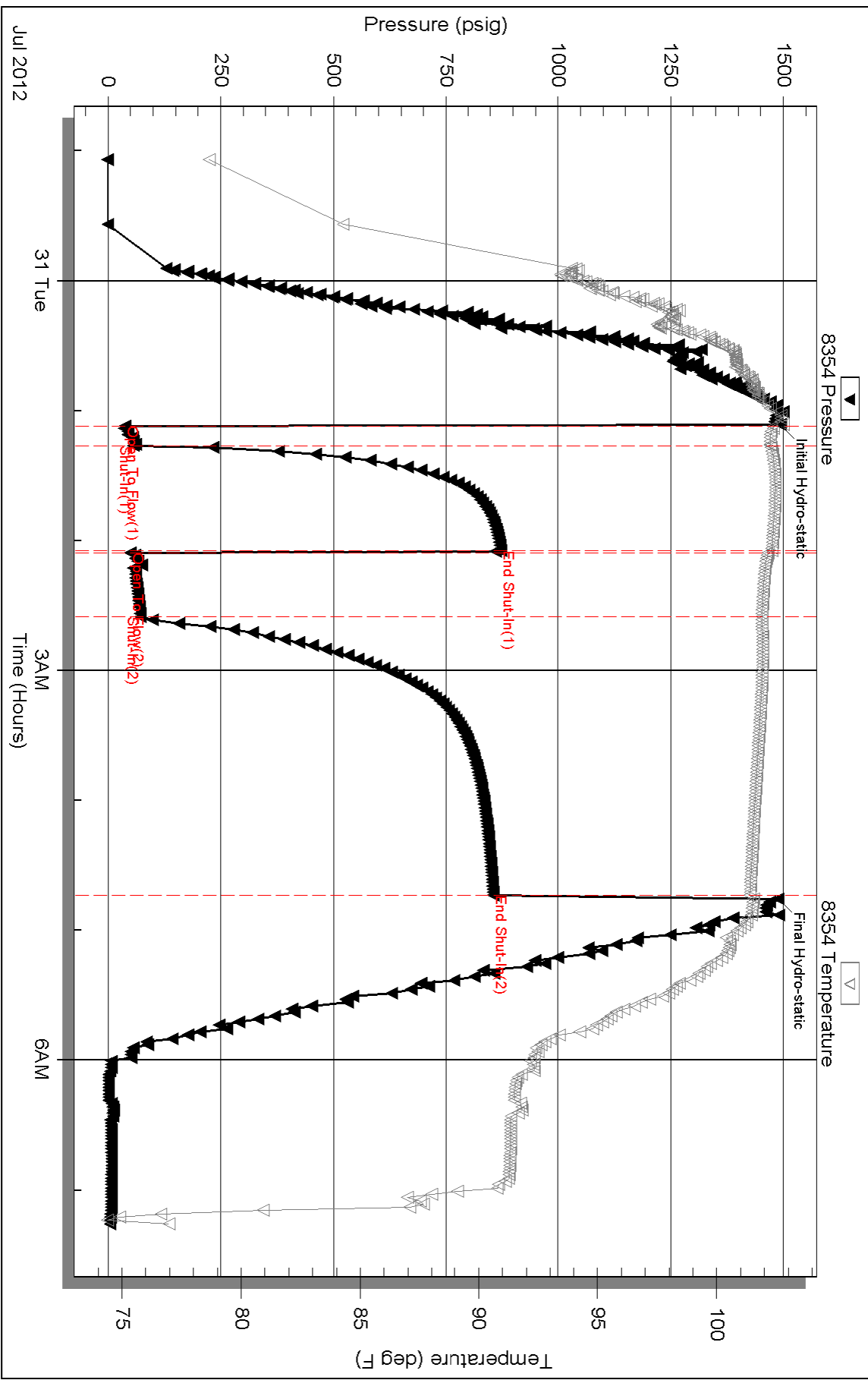
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .15 @ 70 Degrees = 50000

Pressure vs. Time



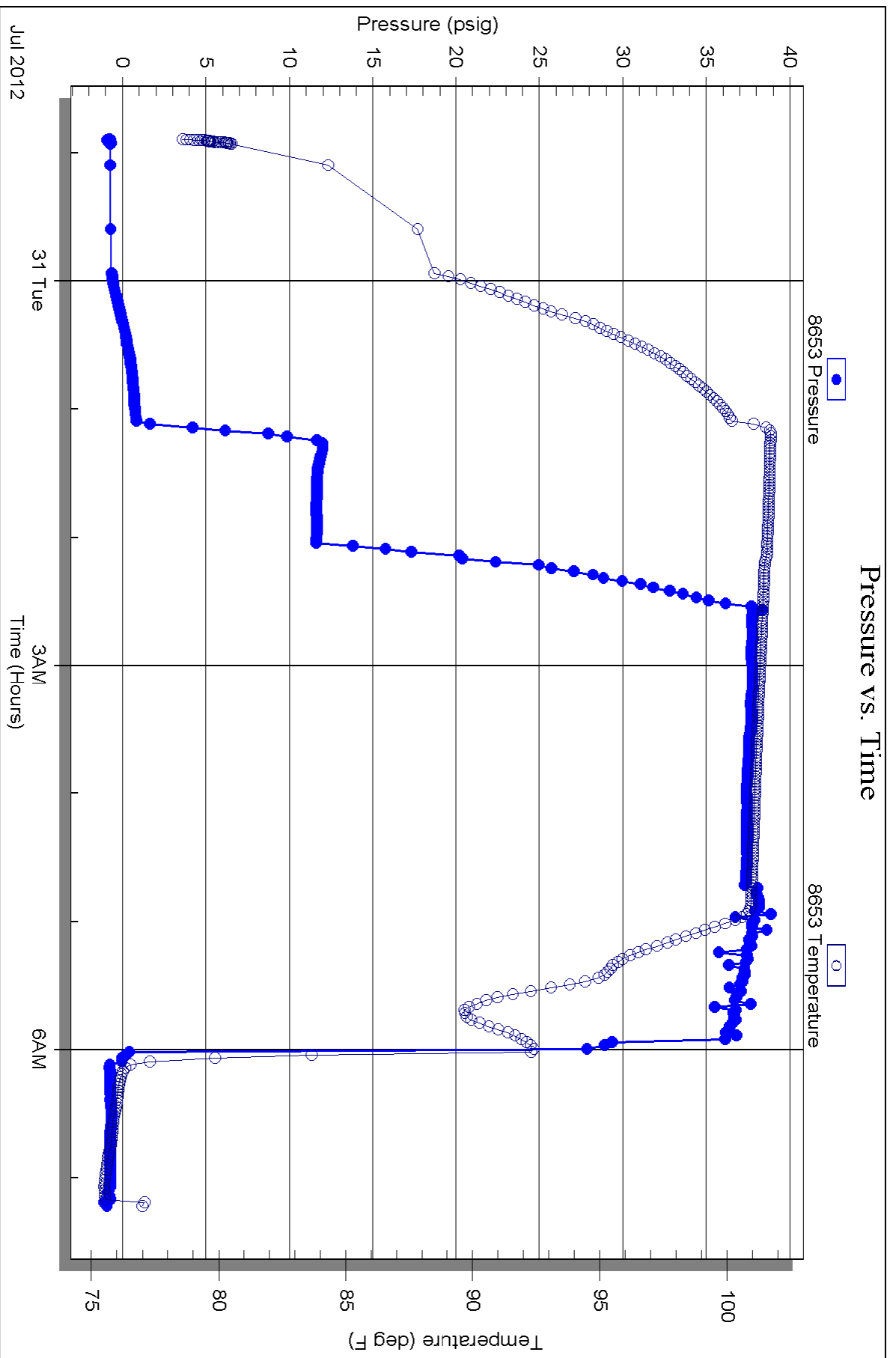
Serial #: 8653

Fluid

Samuel Gary Jr. & Associates

Schnitt et al 1-32

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr, & Associates

32-14s-15w Russell KS

1515 Wynkoop St. Suite 700
Denver CO, 80202

Schmitt et al 1-32

Job Ticket: 47770

DST#: 2

ATTN: Chris Mitchell

Test Start: 2012.07.31 @ 15:59:00

GENERAL INFORMATION:

Formation: **Lansing "C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:39:10

Time Test Ended: 01:07:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 38

Interval: 3143.00 ft (KB) To 3182.00 ft (KB) (TVD)

Reference Elevations: 1907.00 ft (KB)

Total Depth: 3182.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8354

Inside

Press @ Run Depth: 185.98 psig @ 3179.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.31

End Date:

2012.08.01

Last Calib.:

2012.08.01

Start Time: 16:09:00

End Time:

01:07:00

Time On Btm:

2012.07.31 @ 17:38:20

Time Off Btm:

2012.07.31 @ 21:20:30

TEST COMMENT:

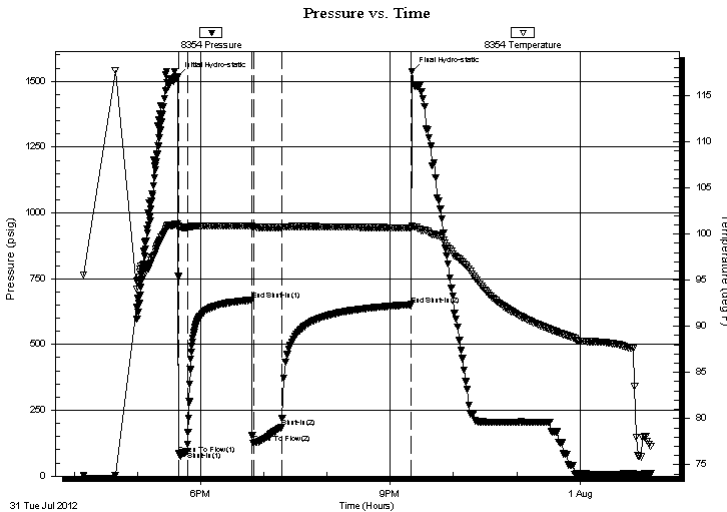
10 - IF- B.O.B. in 4 Min.

60 - IS- 8" blow back in 26 Min, died back to a 3" blow

30 - FF- B.O.B. in 30 Seconds

120 - FS- G.T.S @ bleed off, B.O.B. in 15 Min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1517.23	101.13	Initial Hydro-static
1	84.40	100.83	Open To Flow (1)
9	95.80	100.72	Shut-In(1)
71	668.71	100.89	End Shut-In(1)
72	125.40	100.78	Open To Flow (2)
99	185.98	100.73	Shut-In(2)
222	651.47	100.66	End Shut-In(2)
223	1537.73	100.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMCWO, 5%M, 10%W, 25%G, 60%O	0.87
186.00	GMCO, 30%M, 30%O, 40%G	2.61
186.00	GO, 20%G, 80%O	2.61
0.00	GTS	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr, & Associates

32-14s-15w Russell KS

1515 Wynkoop St. Suite 700
Denver CO, 80202

Schmitt et al 1-32

Job Ticket: 47770

DST#: 2

ATTN: Chris Mitchell

Test Start: 2012.07.31 @ 15:59:00

GENERAL INFORMATION:

Formation: **Lansing "C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:39:10

Time Test Ended: 01:07:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 38

Interval: 3143.00 ft (KB) To 3182.00 ft (KB) (TVD)

Reference Elevations: 1907.00 ft (KB)

Total Depth: 3182.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8653 Fluid

Press @ Run Depth: psig @ 3109.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.07.31

End Date: 2012.08.01

Last Calib.: 2012.08.01

Start Time: 15:59:01

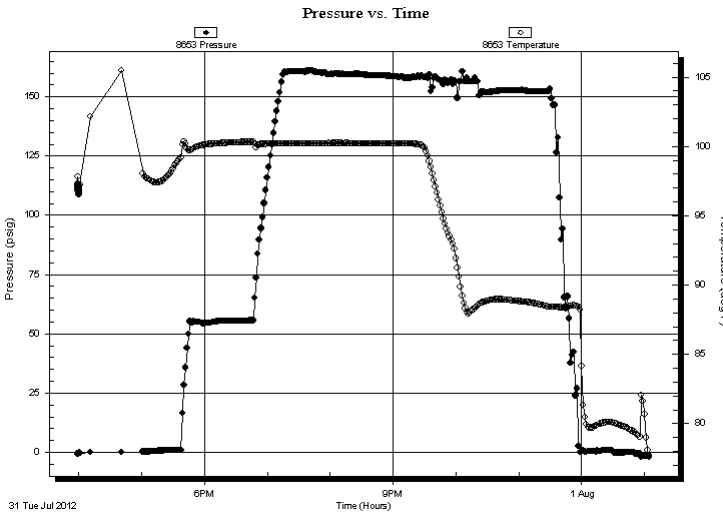
End Time: 01:04:30

Time On Btm:

Time Off Btm:

TEST COMMENT: 10 - IF- B.O.B. in 4 Min.
60 - IS- 8" blow back in 26 Min, died back to a 3" blow
30 - FF- B.O.B. in 30 Seconds
120 - FS- G.T.S @ bleed off, B.O.B. in 15 Min.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMCWO, 5%M, 10%W, 25%G, 60%O	0.87
186.00	GMCO, 30%M, 30%O, 40%G	2.61
186.00	GO, 20%G, 80%O	2.61
0.00	GTS	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr, & Associates

32-14s-15w Russell KS

1515 Wynkoop St. Suite 700
Denver CO, 80202

Schmitt et al 1-32

Job Ticket: 47770

DST#: 2

ATTN: Chris Mitchell

Test Start: 2012.07.31 @ 15:59:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	GMCWO, 5%M, 10%W, 25%G, 60%O	0.870
186.00	GMCO, 30%M, 30%O, 40%G	2.609
186.00	GO, 20%G, 80%O	2.609
0.00	GTS	0.000

Total Length: 434.00 ft

Total Volume: 6.088 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

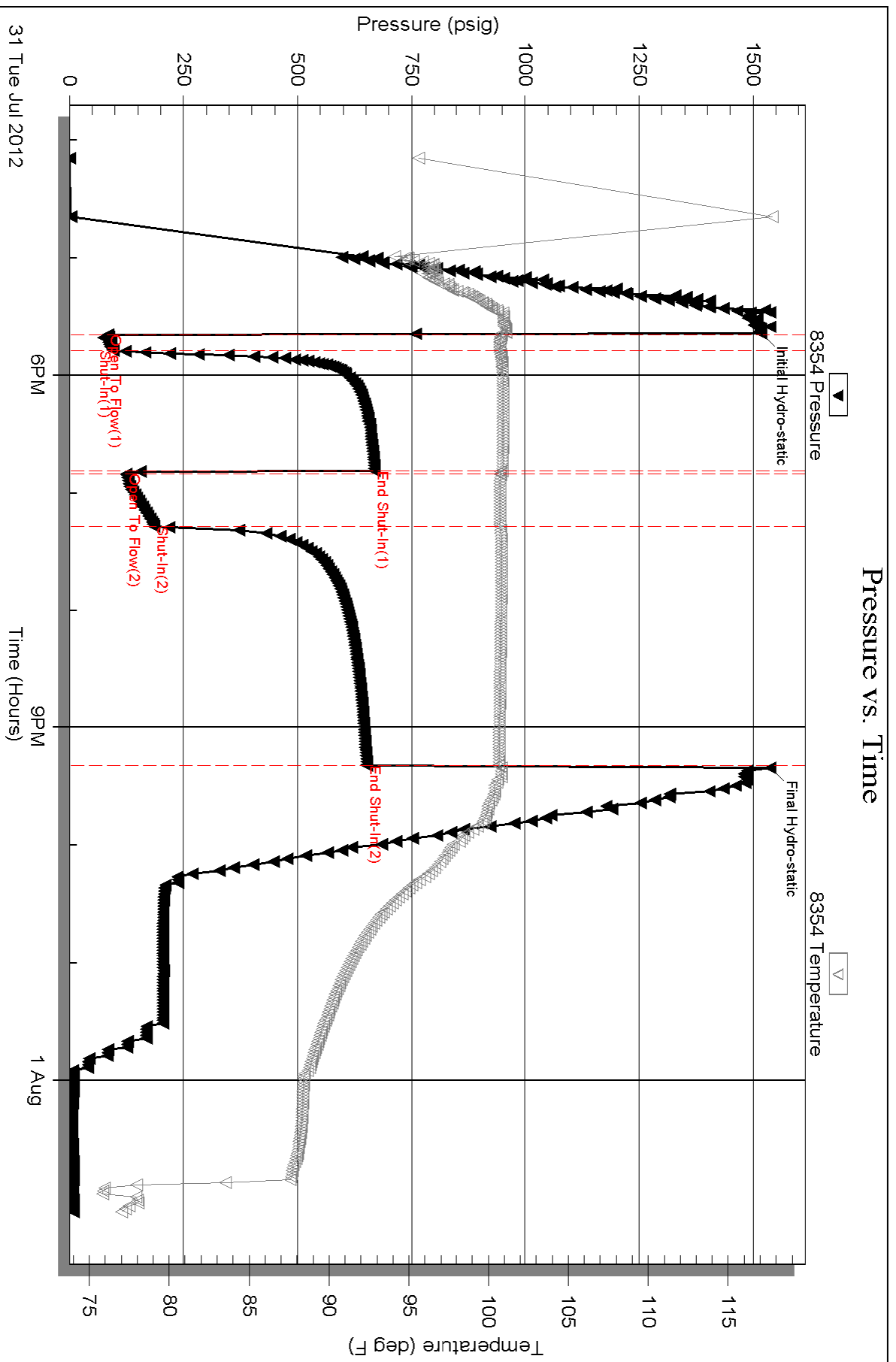
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



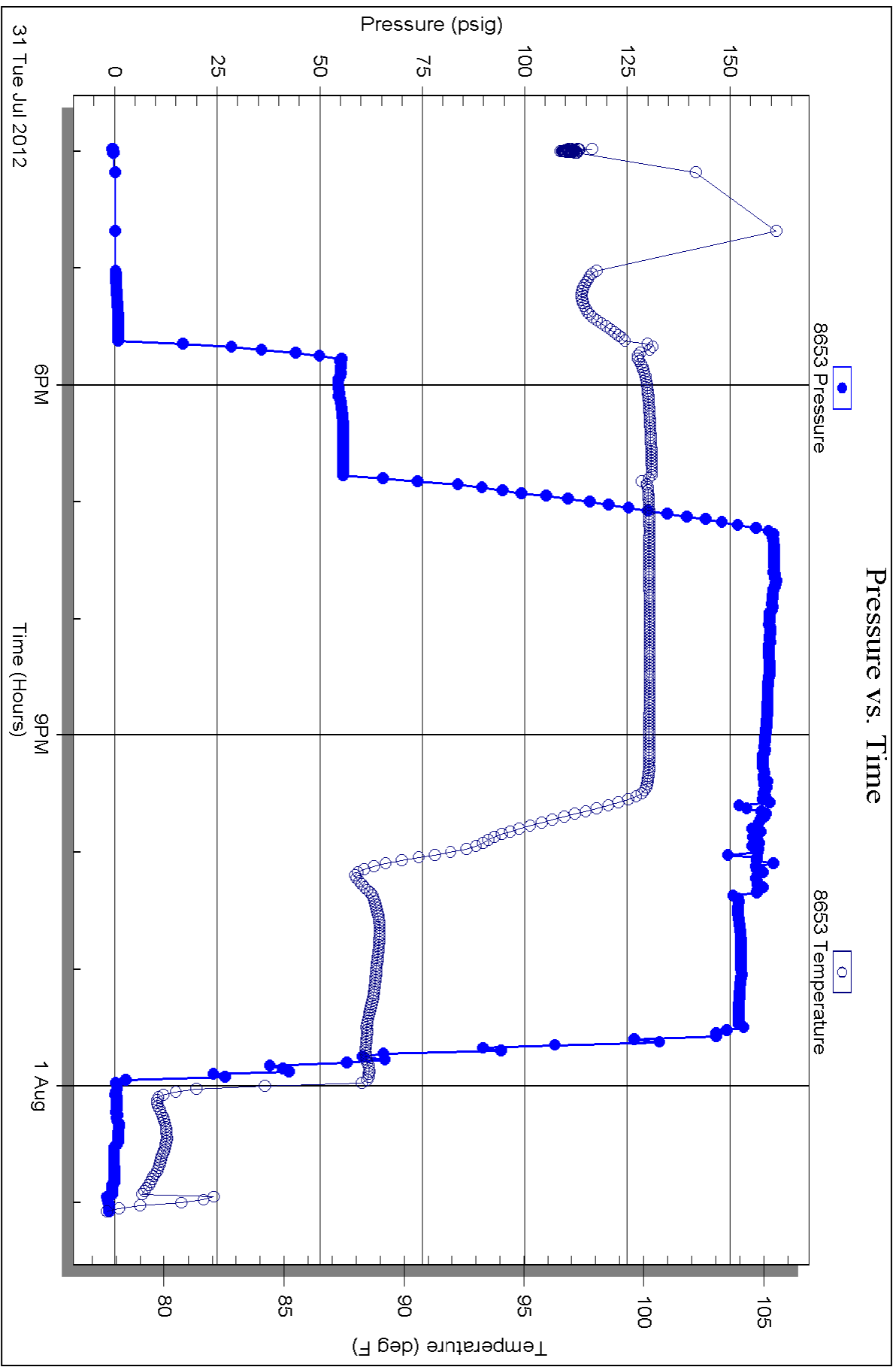
Serial #: 8653

Fluid

Samuel Gary Jr. & Associates

Schnitli et al 1-32

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr, & Associates

32-14s-15w Russell KS

1515 Wynkoop St. Suite 700
Denver CO, 80202

Schmitt et al 1-32

ATTN: Chris Mitchell

Job Ticket: 47771

DST#: 3

Test Start: 2012.08.01 @ 11:23:00

GENERAL INFORMATION:

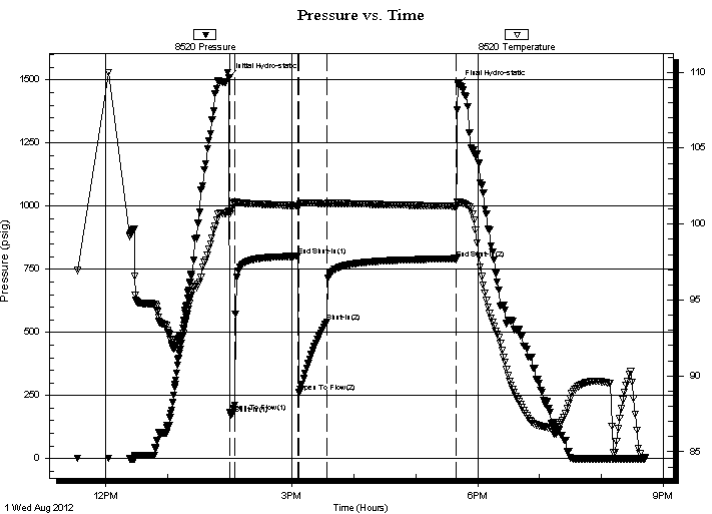
Formation: "F"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:00:30
 Time Test Ended: 20:42:00
 Interval: **3188.00 ft (KB) To 3218.00 ft (KB) (TVD)**
 Total Depth: 3238.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Cody Bloedorn
 Unit No: 38
 Reference Elevations: 1907.00 ft (KB)
 1897.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8520

Outside

Press @ Run Depth: 542.36 psig @ 3189.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.08.01 End Date: 2012.08.01 Last Calib.: 2012.08.01
 Start Time: 11:33:00 End Time: 20:42:00 Time On Btm: 2012.08.01 @ 13:59:30
 Time Off Btm: 2012.08.01 @ 17:41:00

TEST COMMENT: 05 - IF- B.O.B. in 1 Min.
 60 - ISF- 2" blow back in 5 Min, died in 17 Min.
 30 - FF- B.O.B. in 45 Seconds,
 120 - FSF- B.O.B. in 5 Min., G.T.S. in 12 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1509.92	100.89	Initial Hydro-static
1	181.84	100.69	Open To Flow (1)
6	212.27	101.38	Shut-In(1)
67	802.10	101.22	End Shut-In(1)
68	261.84	101.22	Open To Flow (2)
95	542.36	101.32	Shut-In(2)
220	792.44	101.17	End Shut-In(2)
222	1479.79	101.46	Final Hydro-static

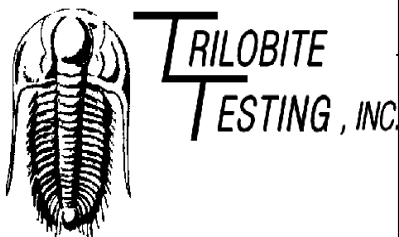
Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMW, 10%G, 30%M, 60%W	0.87
310.00	GW, 10%G, 90%W	4.35
496.00	GHOCWM, 10%W, 40%G, 50%O	6.96
186.00	GHOCWM, 30%W, 30%O, 40%G	2.61

* Recovery from multiple tests

Gas Rates

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



DRILL STEM TEST REPORT

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

32-14s-15w Russell KS

Schmitt et al 1-32

Job Ticket: 47771

DST#: 3

Test Start: 2012.08.01 @ 11:23:00

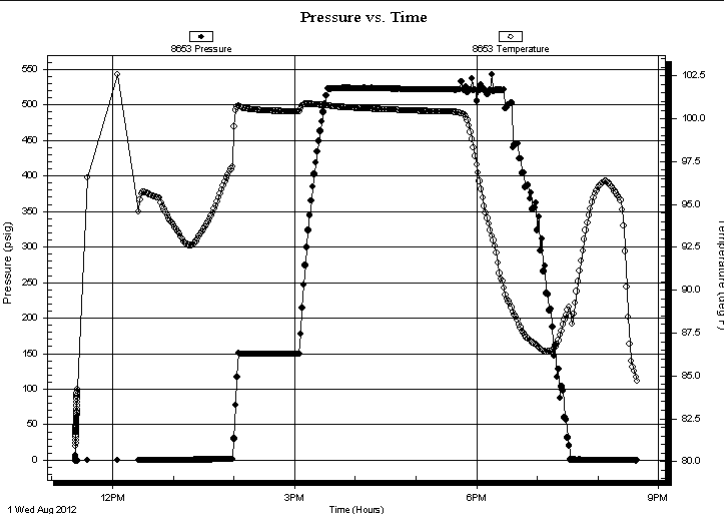
GENERAL INFORMATION:

Formation: "F"
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:00:30
 Time Test Ended: 20:42:00
 Interval: **3188.00 ft (KB) To 3218.00 ft (KB) (TVD)**
 Total Depth: 3238.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Cody Bloedorn
 Unit No: 38
 Reference Elevations: 1907.00 ft (KB)
 1897.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8653 Fluid

Press @ RunDepth: psig @ 3154.00 ft (KB)
 Start Date: 2012.08.01 End Date: 2012.08.01
 Start Time: 11:23:01 End Time: 20:40:00
 Capacity: 8000.00 psig
 Last Calib.: 2012.08.01
 Time On Btm:
 Time Off Btm:

TEST COMMENT: 05 - IF- B.O.B. in 1 Min.
 60 - ISF- 2" blow back in 5 Min, died in 17 Min.
 30 - FF- B.O.B. in 45 Seconds,
 120 - FSF- B.O.B. in 5 Min., G.T.S. in 12 Min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMW, 10%G, 30%M, 60%W	0.87
310.00	GW, 10%G, 90%W	4.35
496.00	GHOCWM, 10%W, 40%G, 50%O	6.96
186.00	GHOCWM, 30%W, 30%O, 40%G	2.61

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

32-14s-15w Russell KS

Schmitt et al 1-32

Job Ticket: 47771

DST#: 3

Test Start: 2012.08.01 @ 11:23:00

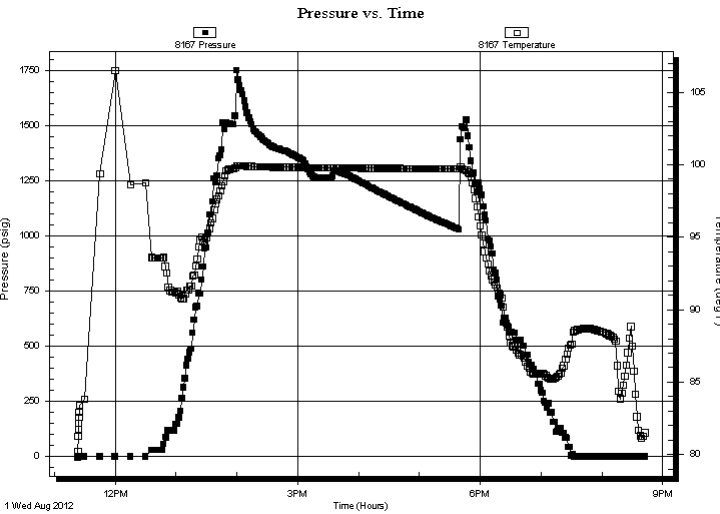
GENERAL INFORMATION:

Formation: "F"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:00:30
Time Test Ended: 20:42:00
Interval: **3188.00 ft (KB) To 3218.00 ft (KB) (TVD)**
Total Depth: 3238.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: Cody Bloedorn
Unit No: 38
Reference Elevations: 1907.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8167 Below (Straddle)

Press @ Run Depth: psig @ 3223.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.08.01 End Date: 2012.08.01 Last Calib.: 2012.08.01
Start Time: 11:23:05 End Time: 20:42:30 Time On Btm:
Time Off Btm:

TEST COMMENT: 05 - IF- B.O.B. in 1 Min.
60 - IS- 2" blow back in 5 Min, died in 17 Min.
30 - FF- B.O.B. in 45 Seconds,
120 - FS- B.O.B. in 5 Min., G.T.S. in 12 Min.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	GMW, 10%G, 30%M, 60%W	0.87
310.00	GW, 10%G, 90%W	4.35
496.00	GHOCWM, 10%W, 40%G, 50%O	6.96
186.00	GHOCWM, 30%W, 30%O, 40%G	2.61

* 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

32-14s-15w Russell KS

1515 Wynkoop St. Suite 700
Denver CO, 80202

Schmitt et al 1-32

Job Ticket: 47771

DST#: 3

ATTN: Chris Mitchell

Test Start: 2012.08.01 @ 11:23:00

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:

70000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	GMW, 10%G, 30%M, 60%W	0.870
310.00	GW, 10%G, 90%W	4.348
496.00	GHOCWM, 10%W, 40%G, 50%O	6.958
186.00	GHOCWM, 30%W, 30%O, 40%G	2.609

Total Length: 1054.00 ft Total Volume: 14.785 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

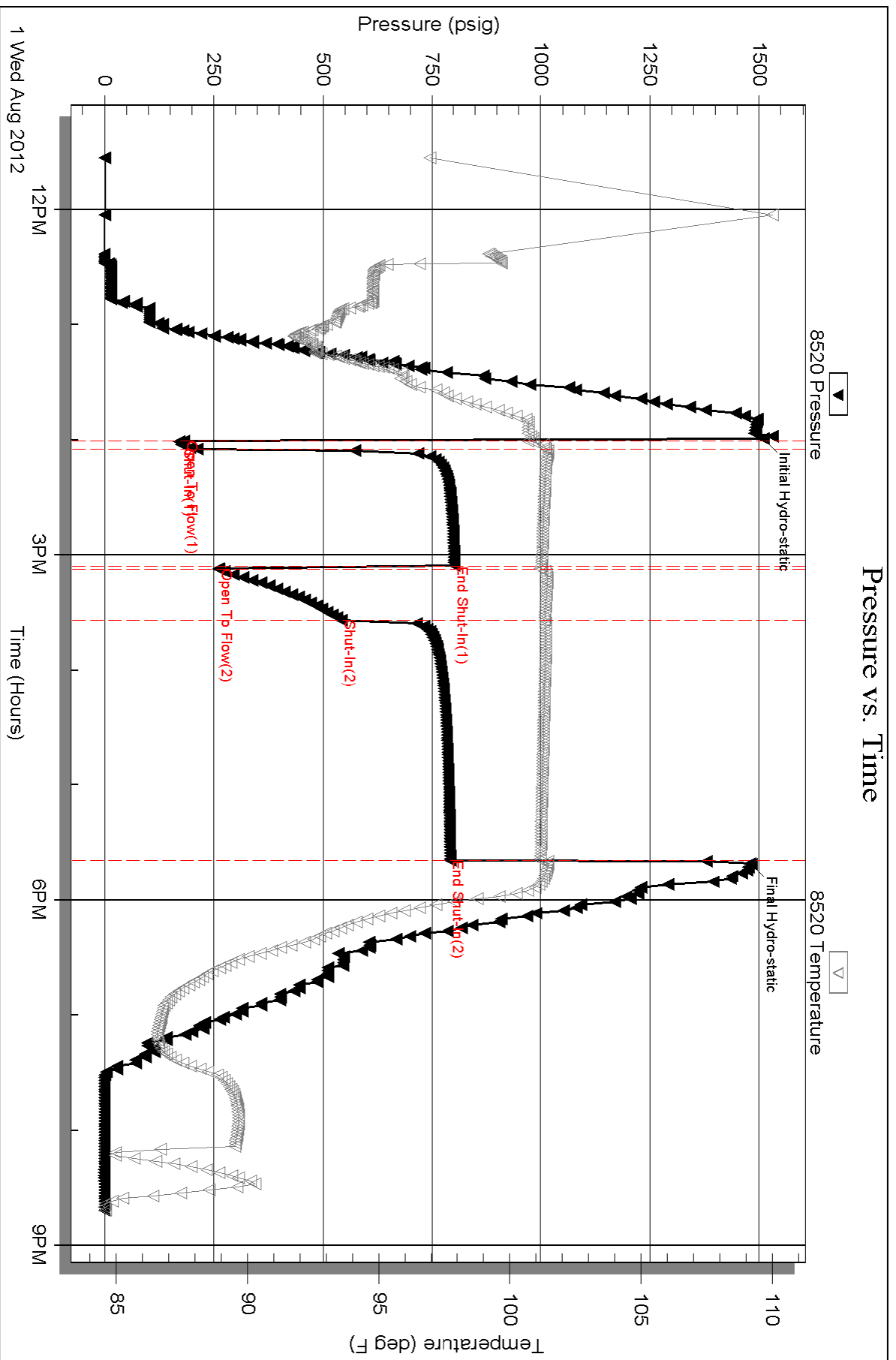
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .15 @ 80 Degrees = 70000

Pressure vs. Time



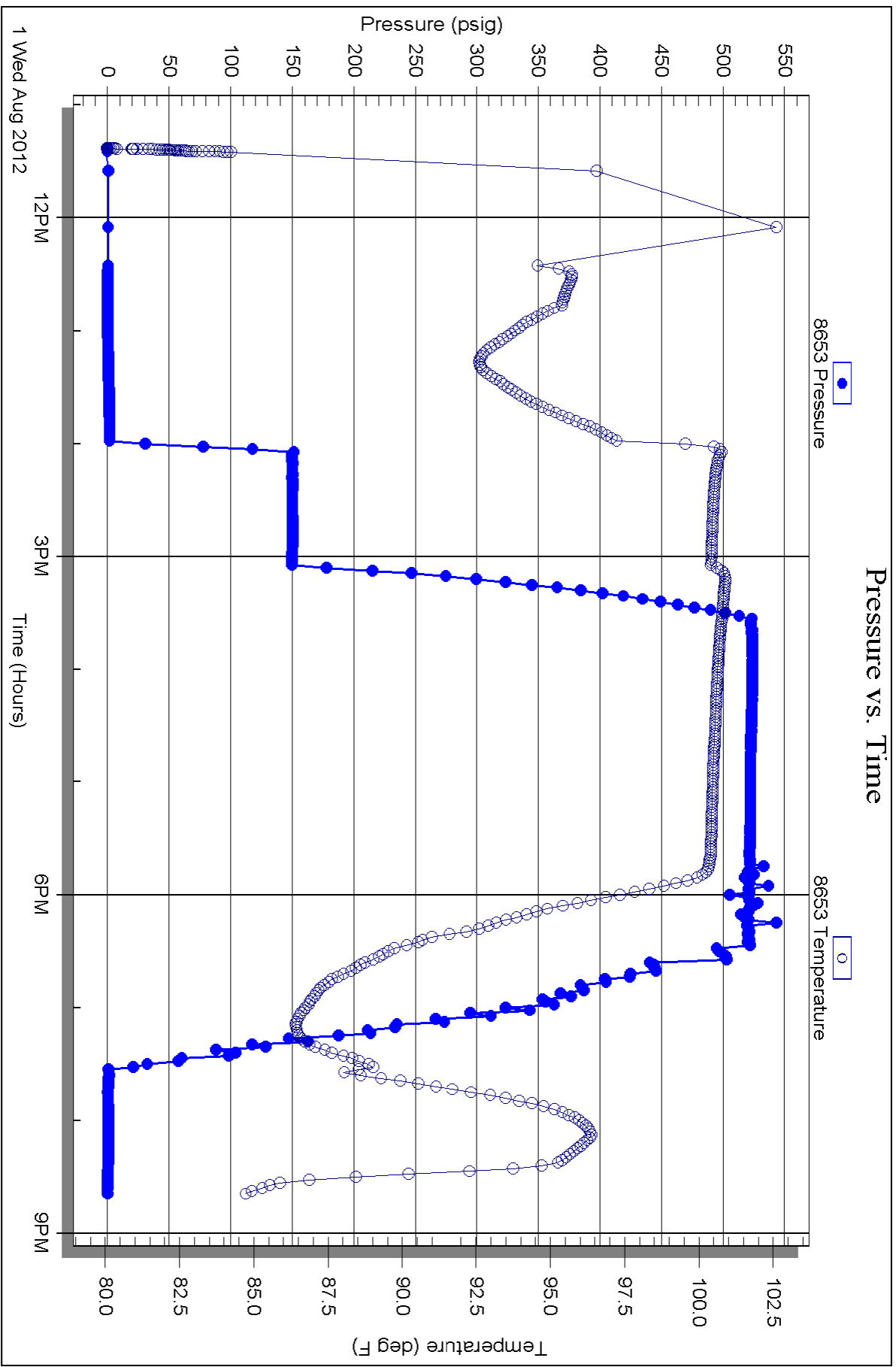
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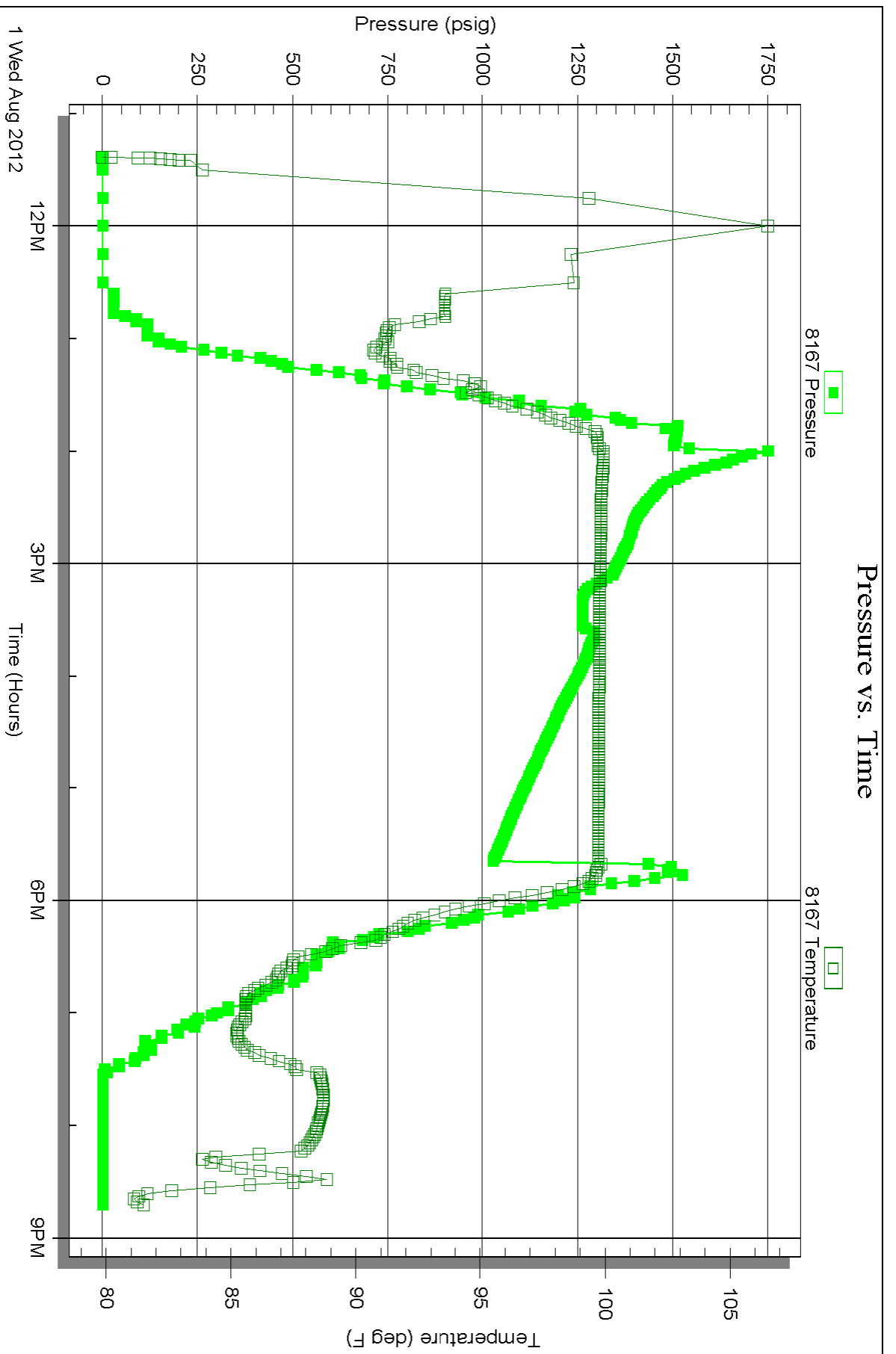
Fluid

Samuel Gary Jr. & Associates

Schnittl et al 1-32

DST Test Number: 3







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

Well Name: SCHMITT ET AL 1-32
 Location: SEC. 32-14S-15W RUSSELL CO., KANSAS
 License Number: 15-167-23813-0000
 Spud Date: 7/26/12
 Surface Coordinates: 75 FNL/ 1060 FEL
 Region: Wildcat
 Drilling Completed: 8/02/12

Bottom Hole Coordinates:
 Ground Elevation (ft): 1897' K.B. Elevation (ft): 1907'
 Logged Interval (ft): 2800' To: 3500' Total Depth (ft): 3500'
 Formation: Lansing, Arbuckle
 Type of Drilling Fluid:

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

OPERATOR

Company: Samuel Gary Jr. & Assoc.
 Address: 1515 Wynkoop, Ste. # 700
 Denver, Colo. 80202
 Geo: Chris Mitchell

GEOLOGIST

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

DST'S Report

DST #1 3100'-3138' 10-60-30-120
 IF- 4" BLW, ISI- NO BLW, FF- 6" BLW, FSI- NO BLW
 IH- 1493, FH- 1488/ IF- 37 TO 56, FF- 48 TO 71/ ISI- 873, FSI- 856
 REC. 80' OF TF/ 80' OF WM 40% WATER, & 60% MUD/ BHT- 101 DEG./ API RW- .15 @ 70 DEG./ CHLOR.- 2700 PPM



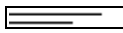

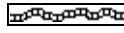



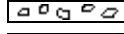



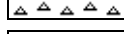

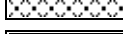
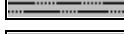

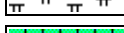

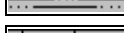



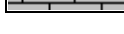

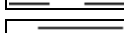




DST's Report

DST# 2 3143'-3182' 10-60-30-120
 IF- B.O.B. IN 4 MIN, ISI- 8" BLOW, DIED BACK TO 3" BLOW, FF- B.O.B. IN 30 SEC., FSI- G.T.S. @ BLEED OFF, B.O.B. IN 15 MIN
 IH- 1517, FH- 1537/ IF- 84 TO 85, FF- 125 TO 185/ ISI- 668, FSI- 651
 REC. 434' OF TF/ 62' OF GMCWO 25% GAS, 60% OIL, 10% WATER, 5% MUD/ 186' OF GMCO 40% GAS, 30% OIL, 30% MUD/ 186' OF GO 20% GAS, 80% OIL/ BHT- 100 DEG., GRAVITY- 32/ CHLOR.- 3,800 PPM

DST's Report

DST# 3 3188'-3218' 05-60-30-120
 IF- B.O.B. IN 1 MIN, ISI- 2" BLW IN 5 MIN DIED IN 17 MIN, FF- B.O.B. IN 45 SEC., FSI- B.O.B. IN 5 MIN. G.T.S. @ 12 MIN
 IH- 1509, FH- 1479/ IF- 181 TO 212, FF- 261 TO 542/ ISI- 802, FSI- 792
 REC. 1054' OF TF/ 62' OF GMW 10% GAS, 60% WATER, 30% MUD/ 310' OF GW 10% GAS, 90% WATER/ 496' OF GHOCWM 40% GAS, 50% OIL, 10% WATER/ 186' OF GHOCWM 40% GAS, 30% OIL, 30% WATER/ BHT- 101 DEG., GRAVITY- 32/ API RW .15 @ 80 DEG./ CHLOR.- 3,800 PPM

ROCK TYPES

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

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Silty

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

- Angular

OIL SHOWS

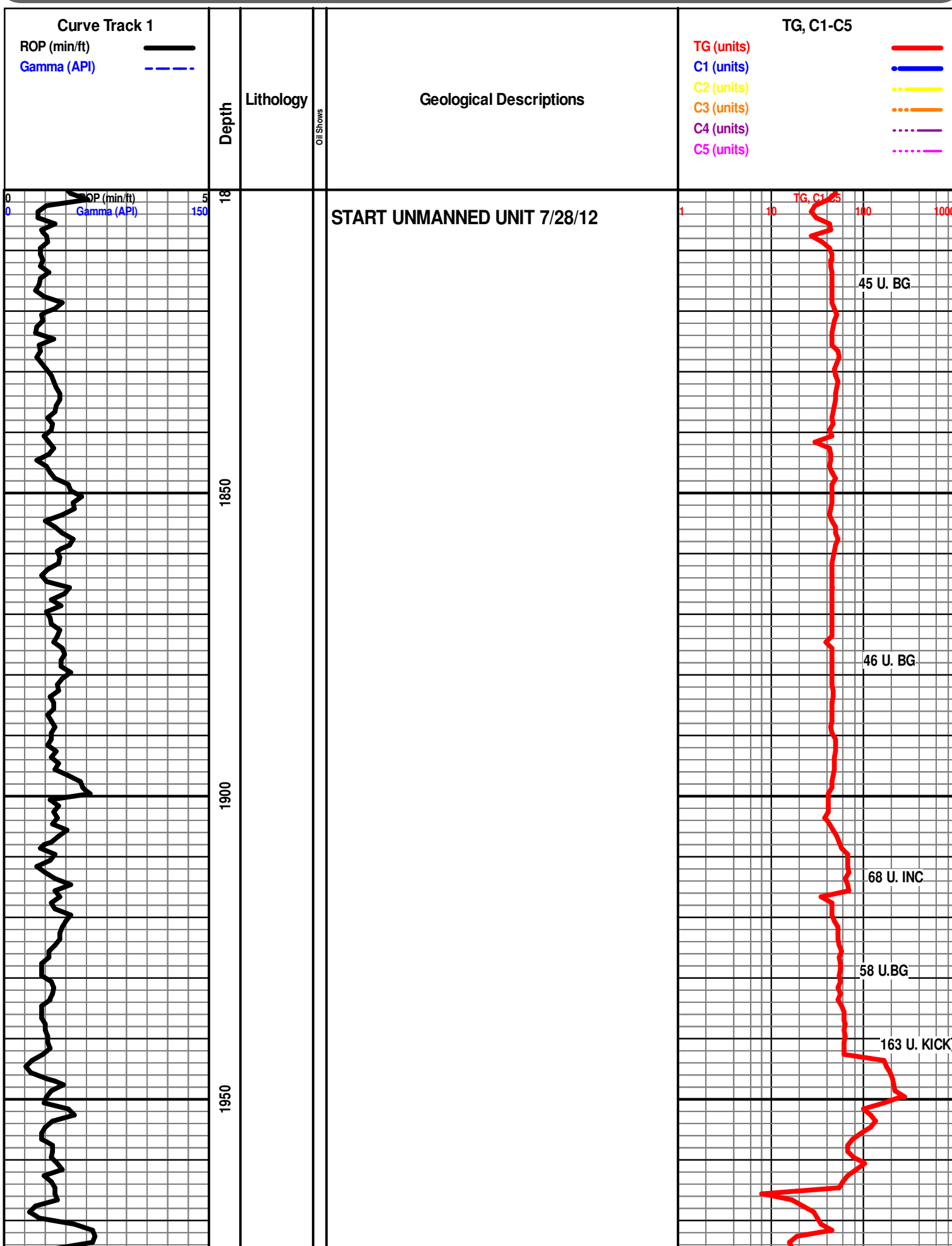
- Even
- Spotted
- Ques
- Dead
- Gas show

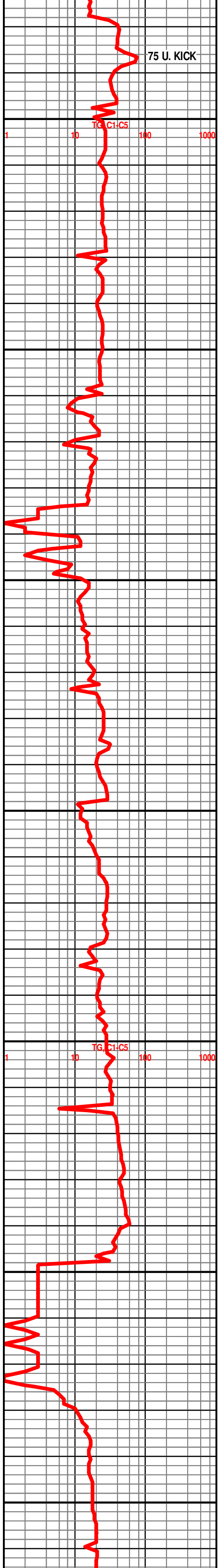
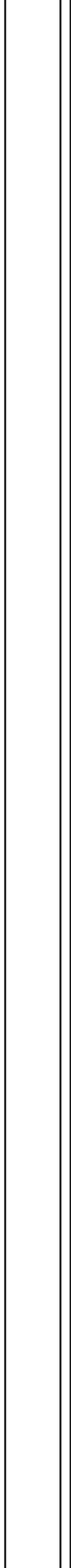
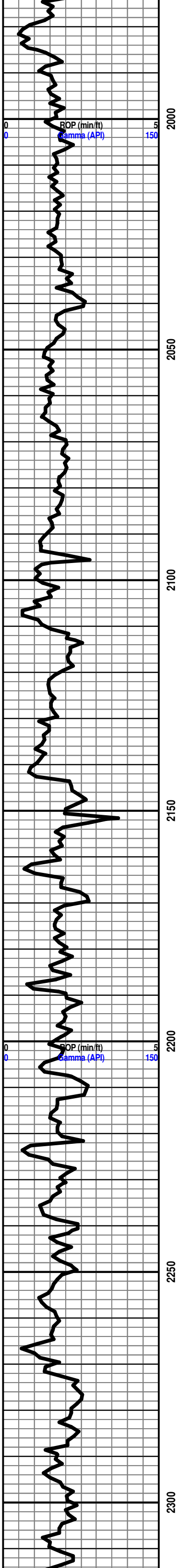
INTERVALS

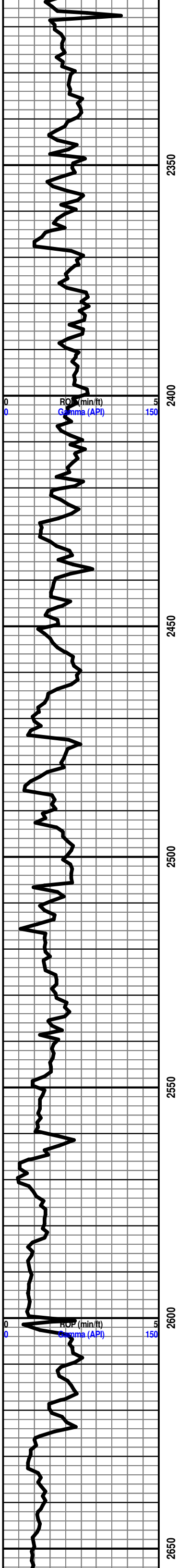
- Core
- Dst
- Dst

EVENTS

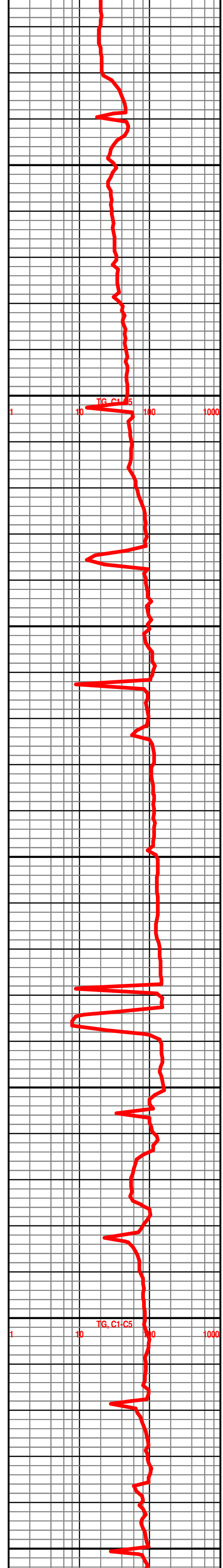
- Rft
- Sidewall

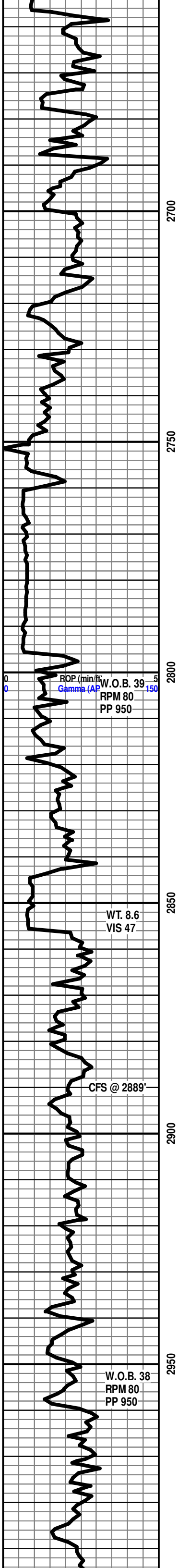






BRS 2600'-693'





MUD DISPLACEMENT

HOWARD 2796'-889'
START 24 HR. MANNED UNIT 7/30/12

SH- GY TO DK GY, FRM IP TO V SFT, SPLNTY SMTH TXT

LS- LT GY TO GY, HD DNS TO BRTT IP, MD-XLN, RE-XLN, S-CHLKY IP, IMB FOSS FRAGS THRU, TR FREE FOSSIL IP, DUL YEL FLO SCAT IN 20%, NO VIS POR, NO VIS CUT OR SHOW

TOPEKA 2856'--949'

2856'- 2858' LS- TN TO DK TN (DUE TO OIL STN IN 60%), HD DNS TO BRTT IP, MD/F-XLN MTRX, S-CHLKY, ABDT DISS PYR THRU, SCAT PYR THRU TRAY, IMB SM CALC-XLS IP, TR DUL YEL GLD FLO IN 10%, V PR VUG POR IP, TR V PR MICRO VUG POR IP, FR TO GD FLSH CUT IN 60%, GD SLW STRM CUT CUT IN 70%, DK TN LCH ON DSH, NO OIL ODOR

LS- CRM TO LT TN, HD DNS TO BRTT IP, MD/F-XLN MTRX, S-CHLKY IP, IMB FOSS FRAGS IP, TR SFT WHT CHLK IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

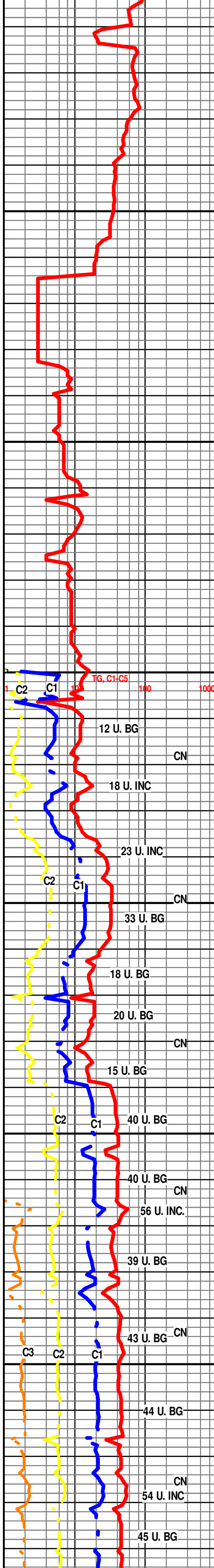
LS- TN TO DK TN IP, V HD DNS TO TR BRTT IP, F/VF-XLN MTRX, RE-XLN IP, S-CHLKY IP, SCAT DISS PYR THRU, IMB FOSS FRAGS IP, BRT YEL MIN FLO IN 30%, DUL YEL MIN FLO IN 10%, NO VIS POR, NO VIS CUT OR SHOW

SH- GY TO DK GY LT GRN IP, FRM TO V SFT, BLCKY SLTY TXT, W/ BLCK SFT CARB

LE COMPTON 2960'-1053'

LS- CRM TO LT TN, V HD DNS, F/VF-XLN MTRX, RE-XLN IP, TR S-CHLKY IP, IMB FOSS FRAGS IP, BRT YEL MIN FLO IN 70%, NO VIS POR, NO VIS CUT OR SHOW

SH- GY TO DK GY, FRM TO SFT, SPLNTY SMTH TXT



W.O.B. 39
 RPM 80
 PP 950

WT. 8.6
 VIS 47

CFS @ 2889'

W.O.B. 38
 RPM 80
 PP 950

2700

2750

2800

2850

2900

2950

TG, C1-C5 100 1000

C2 C1 12 U. BG

18 U. INC

C2 C1 23 U. INC

33 U. BG

18 U. BG

20 U. BG

C2 C1 15 U. BG

40 U. BG

40 U. BG

56 U. INC.

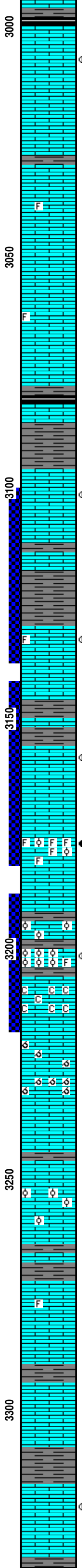
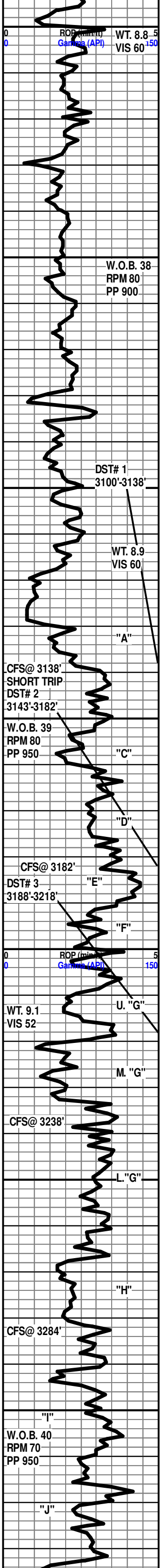
C3 C2 C1 39 U. BG

43 U. BG

44 U. BG

54 U. INC

45 U. BG



SH- BLCK SFT CARB

3006'-3008' LS- LT TN TO TN (DUE TO OIL STN IN 30%), HD DNS TO BRTT IP, MD/F-XLN MTRX, RE-XLN IP, S-SUCRO, S-CHLKY IP, IMB SM CALC-XLS IP, DUL YEL GLD FLO IN 50%, YEL GLD FLO IN 20%, V PR MICRO-VUG POR IN 1%, TR V PR INTER-XLN POR IP, PR TO FR FLSH CUT IN 40%, FR SLW STRM CUT IN 50%, TN LCH ON DSH, GD OIL ODOR

LS- OFF WHT TO CRM, HD DNS TO BRTT IP, MD/F-XLN MTRX, S-CHLKY THRU, ABDT SFT WHT CHLK, TR FREE FOSSIL IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM TO LT TN, HD DNS TO BRTT IP, F-XLN MTRX, S-CHLKY IP, IMB FOSS FRAGS IP, DUL YEL FLO IN 10%, NO VIS POR, NO VIS CUT OR SHOW

HEEBNER 3079'-1172'

SH- BLCK SFT CARB

LS- OFF WHT TO CRM (W/ TN OIL STN IN 30%), HD DNS TO BRTT IP, MD/F-XLN, S-SUCRO, IMB SFT WHT CHLK IP, DUL YEL GLD FLO IN 30%, SPTTD BRT YEL GLD FLO IN 10%, V PR TO PR VUG POR IN 2%, TR V PR MICRO VUG POR IP, FR FLSH CUT IN 30%, GD SLW STRM CUT IN 30%, LT TN LCH ON DSH, FR OIL ODOR

DOUGLAS 3118'-1211'

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

LANSING 3130'-1223'

3132'-3134' LS- TN TO DK TN (DUE TO OIL STN IN 60%), MD-XLN, V SUCRO, IMB SM CALC-XLS, SCAT IMB LG FOSS FRAGS IP, YEL GLD FLO IN 70%, BRT YEL GLD FLO IN 10%, PR INTER-XLN POR IN 2%, PR TO TR FR MICRO-VUG POR IP, GD FLSH CUT IN 60%, GD SLW STRM CUT IN 600%, TN LCH ON DSH, GD OIL ODR

LANSING "C" 3155'-1248'

3157'-3159' LS- CRM BFF TO LT TN (W/ LT TN OIL STN SCAT IN 30%), HD DNS TO TR BRTT IP, MD/F-XLN, RE-XLN IP, S-CHLKY, IMB SFT WHT CHLK, GMMY WHT CHLK IN TRAY, DUL YEL GLD FLO IN 50%, TR BRT YEL GLD FLO IP, FR TO GD VUG POR IN 3%, FLSH CUT IN 30%, PR TO FR WK SLW STRM CUT IN 40%, V LT TN LCH ON DSH, FR OIL ODOR

3176'-3178' LS- OFF WHT TO CRM BFF (W/ DK TN OIL STN IN 50%), HD DNS TO BRTT IP, V RE-XLN MTRX, S-CHLKY, ABDT IMB FOSS FRAGS THRU, V FOSS, IMB SM OOLITES IP, SCAT IMB SFT WHT CHLK IP, DUL YEL GLD FLO IN 40%, BRT YEL GLD FLO IN 20%, FR TO TR GD FOSS POR IN 4%, GD INST FLSH CUT IN 70%, GD SLW STRM MILKYBLUE CUT IN 80%, DK TN LCH ON DSH, GD STRNG OIL ODOR,

LANSING "F" 3193'-1286'

LS- OFF WHT TO CRM (W/ TN OIL STN IN 20%), HD DNS TO BRTT, V RE-XLN MTRX, S-SUCRO, ABDT IMB OOLITES THRU, V-OOLITIC, TR IMB FOSS FRAGS IP, DUL YEL GLD FLO IN 40%, YEL GLD FLO IN 50%, SPTTD BRT YEL GLD FLO IP, FR TO GD OOLITIC POR IN 4%, FR TO TR GD FLSH CUT IN 50%, GD SLW STRM CUT IN 60%, TN LCH ON DSH, FLOATING OIL SPECS IN SAMPLE CUP, GD OIL ODOR

LS- OFF WHT TO CRM BFF, HD DNS TO BRTT, MD-XLN MTRX, RE-XLN IP, S-CHLKY THRU, ABDT SFT TO GMMY WHT CHLK THRU TRAY, V-OOLMOLDIC, DUL YEL FLO IN 20%, FR TO GD OOLMOLIC POR IN 10%, NO VIS CUT OR SHOW

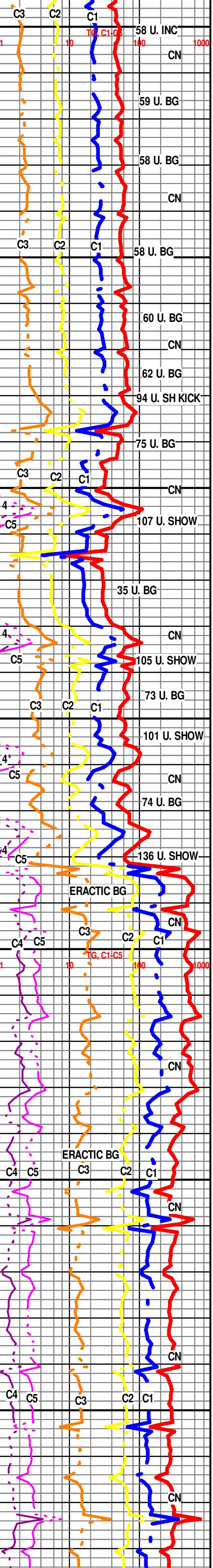
LS- OFF WHT TO CRM LT TN IP, HD DNS TO TR BRTT IP, MD-XLN, RE-XLN, S-CHLKY IP, IMB SM OOLITES THRU, SCAT IMB CALC-XLS IP, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

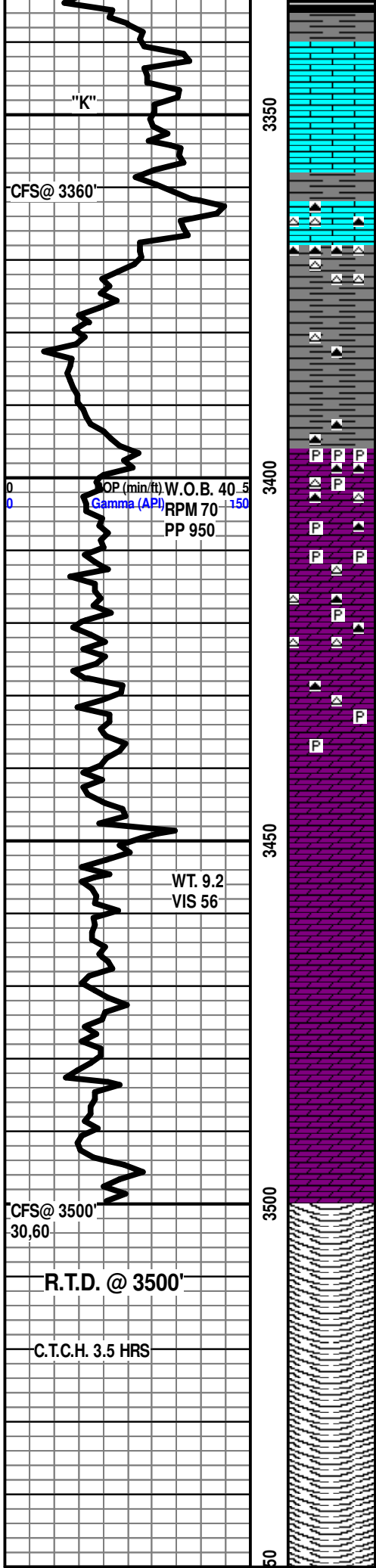
LANSING "H" 3272'-1365'

LS- OFF WHT TO CRM, HD DNS TO BRTT, MD-XLN, CHLKY MTRX, ABDT IMB SFT WHT CHLK THRU, TR FREE FOSSIL IP, YEL FLO IN 40%, NO VIS POR, NO VIS CUT OR SHOW

LS- CRM BFF, V HD DNS, F/VF-XLN MTRX, RE-XLN IP, SCAT IMB SM CALC-XLS IP, YEL MIN FLO IN 60%, NO VIS POR, NO VIS CUT OR SHOW

3321'-3323' LS- CRM BFF (W/ TN OIL STN IN 25%), HD DNS TO TR BRTT IP, MD/F-XLN MTRX, RE-XLN IP, S-SUCRO IP, SLI TR SFT WHT CHLK, DUL YEL GLD FLO IN 50%, BRT YEL GLD FLO IN 10%, PR TO FR VUG POR IN 5%, TR PR MICRO VUG POR IP, FR FLSH CUT IN 50%, FR TO GD SLW STRM GSSY CUT IN 60%, LT TN LCH ON DSH, FR OIL ODOR





3352'-3354' LS- TN (W/ DK TN OIL STN IN 20%), V HD DNS, F/VF-XLN MTRX, RE-XLN IP, S-SUCRO, TR SCAT SFT WHT CHLK IP, SPTTD BRT YEL GLD FLO IN 10%, V PR MICRO VUG POR IP, POSS FRACT POR, GD FLSH CUT IN 70%, EXCEL SLW STRM CUT IN 70%, DK TN LCH ON DSH, FNT OIL ODOR

BKC 3357'-1450'

LS- OFF WHT TO CRM, V HD DNS, VF/CRYPTO-XLN, SCAT MOTT CHRT THRU, DUL YEL MIN FLO IN 30%, NO VIS POR, NO VIS CUT OR SHOW

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

ARBUCKLE 3396'-1489'

DOLO- CRM TO LT TN, HD DNS TO TR BRTT IP, MD-XLN, RE-XLN MTRX, ABDT IMB SM S-ANG DOLO GRNS THRU, IMB SM S-ANG TO RND CLR QRTZ GRNS, IMB DISS PYR THRU, MOTT CHRSTS, TR SCAT SFT WHT CHLK IP, DUL YEL MIN FLO IN 30%, NO VIS POR, NO VIS CUT OR SHOW

DOLO- WHT TO OFF WHT, HD DNS TO BRTT IP, MD-XLN, RE-XLN MTRX, ABDT IMB SM TO MD S-ANG TO RND DOLO GRNS THRU, IMB DISS PYR IP, V DUL YEL MIN FLO THRU, NO VIS POR, NO VIS CUT OR SHOW

DOLO- WHT TO OFF WHT, HD DNS TO BRTT IP, MD/F-XLN, RE-XLN, ABDT IMB SM TO MD S-ANG TO RND DOLO GRNS THRU, IMB V SM S-ANG CLR QRTZ GRNS, NO VIS FLO, NO VIS POR, NO VIS CUT OR SHOW

DOLO- WHT TO OFF WHT, HD DNS TO TR BRTT IP, F-XLN, RE-XLN, SCAT IMB SM RND DOLO GRNS THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

R.T.D. @ 1:00 P.M. 8/02/12

DROP SURVEY

T.O.F.L. @ 4:30 P.M.

WEATHERFORD/ LIBERAL, KANSAS

