



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1139164
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: _____



1139164

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	BRUNGARDT ET AL 1-30
Doc ID	1139164

All Electric Logs Run

DEN-NEUT
INDUCTION
MICROLOG
SONIC
SPECTRAL



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

Date: 1/24/2013
 Invoice # 6300

P.O.#:
 Due Date: 2/23/2013
 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

JAN 31 2013

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

Reference:
 BRUNGARDT ET-AL 1-30

Description of Work:
 LONG SURFACE JOB

DRLG COMP W/O LOE GG

Account	8200.138
Well/Prospect	
Deck	
AFE	
Approval	HB
Description	

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	350	\$ 4,765.20	Yes				
8 5/8" Basket	3	\$ 1,029.26	Yes				
Bulk Truck Matl-Material Service Charge	370	\$ 803.43	No				
Calcium Chloride	13	\$ 672.69	Yes				
8 5/8" Centralizer	3	\$ 208.46	Yes				
Flo Seal	87	\$ 188.91	Yes				
Pump Truck Mileage-Job to Nearest Camp	16	\$ 173.37	No				
Premium Gel (Bentonite)	7	\$ 123.73	Yes				
8 5/8" Top Rubber Plug	1	\$ 115.09	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 97.71	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 9,270.68
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,390.60)

SubTotal for Taxable Items:	\$ 6,120.89
SubTotal for Non-Taxable Items:	\$ 1,759.19

6.30% Ellis County Sales Tax

Total: \$ 7,880.08
 Tax: \$ 385.62
Amount Due: \$ 8,265.70
Applied Payments:
Balance Due: \$ 8,265.70

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. 6300

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-22-13	30	14	16	ELLIS	KANSAS		8:15 AM
Lease BRUNGARDT AL-ET				Well No. #1-30		Owner SAM GARY JR.	
Contractor D.D. #2				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 L. SURFACE				Charge To SAM GARY JR.			
Hole Size 12 1/4"		T.D. 852'		Street 1515 WYNKOOP, STE 700			
Csg. 8 5/8"		Depth 852'		City DENVER		State CO, 80202	
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Tool		Depth		Cement Amount Ordered 350com 3cc 2 1/2 GEL 4 GEL			
Cement Left in Csg.		Shoe Joint 41.73					
Meas Line		Displace 5 1/2 BBLs					
EQUIPMENT				Common 350			
Pumptrk #15 No.		Cementer Helper NICK		Poz. Mix			
Bulktrk #4 No.		Driver LONNIE M.		Gel. 7			
Bulktrk #4 No.		Driver CTSO		Calcium 13			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal 87#			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
				Handling 370			
CEMENT DID NOT CIRCULATE!				Mileage			
				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer 3- 8 5/8"			
				Baskets 3- 8 5/8"			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				1- 8 5/8 BAFFLE PLATE			
				1- 8 5/8 SOLID RUBBER PLUG			
				Pumptrk Charge			
				Mileage 16			
THANK YOU!							
X Signature <i>Tom White</i>				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: 1/30/2013
 Invoice # 6371
 P.O.#:
 Due Date: 3/1/2013
 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

FEB 08 2013

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

Reference:
 BRUNGARDT ET AL 1-30

Description of Work:
 PLUG JOB

DRLG COMP W/O LOE GG

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

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	Yes				
Common-Class A	135	\$ 1,838.01	Yes				
Bulk Truck Matl-Material Service Charge	233	\$ 505.94	Yes				
POZ Mix-Standard	90	\$ 449.49	Yes				
Pump Truck Mileage-Job to Nearest Camp	16	\$ 173.37	Yes				
Premium Gel (Bentonite)	8	\$ 141.40	Yes				
Flo Seal	50	\$ 108.57	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	16	\$ 101.45	Yes				
Dry Hole Plug	1	\$ 60.80	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 4,370.41
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (655.56)

SubTotal for Taxable Items: \$ 3,714.85
 SubTotal for Non-Taxable Items: \$ -

6.30% Ellis County Sales Tax

Total: \$ 3,714.85
 Tax: \$ 234.04
Amount Due: \$ 3,948.89
Applied Payments:
Balance Due: \$ 3,948.89

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. 6371

Date	1-28-13	Sec.	30	Twp.	14	Range	16	County	Ellis	State	KS	On Location		Finish	645 #/hr
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Location *Victoria S to Butterfield 1/2 E Ninto*

Lease	<i>Brungard + ETAL</i>	Well No.	<i>1-30</i>	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	<i>Discory 2</i>			Charge To	<i>Sam Gary Jr & Assoc.</i>
Type Job	<i>Plug</i>			Street	
Hole Size	<i>7 7/8</i>	T.D.	<i>3560</i>	City	
Csg.	<i>Dill pipe</i>	Depth		State	
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Depth		Cement Amount Ordered	<i>225 690 490 991</i>
Cement Left in Csg.		Shoe Joint			
Meas Line		Displace			

EQUIPMENT

Pumptrk	<i>5</i>	No.		Cementer	<i>met</i>	Common	<i>135</i>
				Helper		Poz. Mix	<i>90</i>
Bulktrk	<i>8</i>	No.		Driver	<i>Brett</i>	Gel.	<i>8</i>
				Driver		Calcium	
Bulktrk	<i>pu</i>	No.		Driver	<i>Doog</i>		

JOB SERVICES & REMARKS

Remarks:		Salt	
Rat Hole	<i>30 SX</i>	Flowseal	<i>50#</i>
Mouse Hole	<i>15 SX</i>	Kol-Seal	
Centralizers		Mud CLR 48	
Baskets		CFL-117 or CD110 CAF 38	
D/V or Port Collar		Sand	
<i>1st 34 3/4 ft</i>	<i>50 SX</i>	Handling	<i>233</i>
<i>2nd 10 7/8 ft</i>	<i>40 SX</i>	Mileage	
<i>3rd 500 ft</i>	<i>80 SX</i>		
<i>4th 40 ft</i>	<i>10 SX</i>		

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	<i>Wood Plug</i>
Pumptrk Charge	<i>plug</i>
Mileage	<i>16</i>

	Tax
	Discount
	Total Charge

X Signature *Tom Wick*



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates Inc.

30-14-16, Ellis, KS

1515 Wynkoop, Ste 700
Denver CO 80202

Brungardt #1-30

Job Ticket: 50264

DST#: 1

ATTN: Clayton

Test Start: 2013.01.25 @ 15:35:00

GENERAL INFORMATION:

Formation: **KC "D-G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:15:30

Time Test Ended: 22:30:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3240.00 ft (KB) To 3310.00 ft (KB) (TVD)

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3310.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press @ Run Depth: 38.42 psig @ 3241.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.01.25 End Date: 2013.01.25

Last Calib.: 2013.01.25

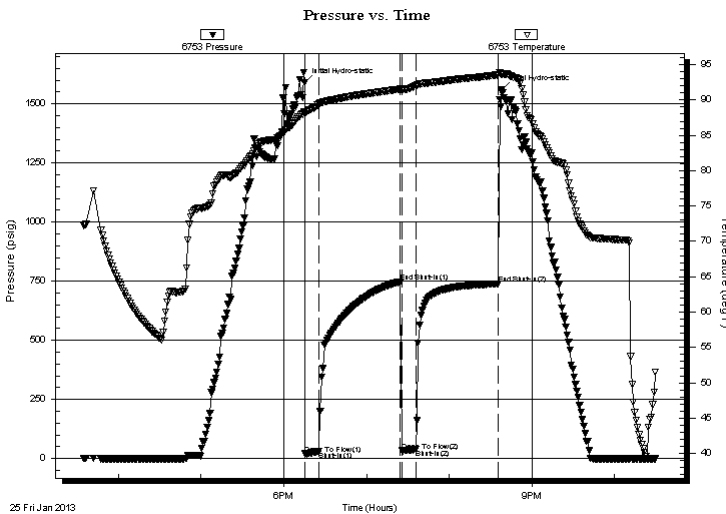
Start Time: 15:35:05 End Time: 22:29:59

Time On Btm: 2013.01.25 @ 18:15:00

Time Off Btm: 2013.01.25 @ 20:38:00

TEST COMMENT: 10min IF-1.25in blow
60min ISI-No blow
10min FF-.25in blow
60min FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1590.94	88.37	Initial Hydro-static
1	20.00	88.12	Open To Flow (1)
11	30.44	89.41	Shut-In(1)
70	745.76	91.55	End Shut-In(1)
71	33.31	91.38	Open To Flow (2)
81	38.42	92.02	Shut-In(2)
141	739.46	93.55	End Shut-In(2)
143	1559.10	93.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates Inc.

30-14-16, Ellis, KS

1515 Wynkoop, Ste 700
Denver CO 80202

Brungardt #1-30

Job Ticket: 50264

DST#: 1

ATTN: Clayton

Test Start: 2013.01.25 @ 15:35:00

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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 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
15.00	mud	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

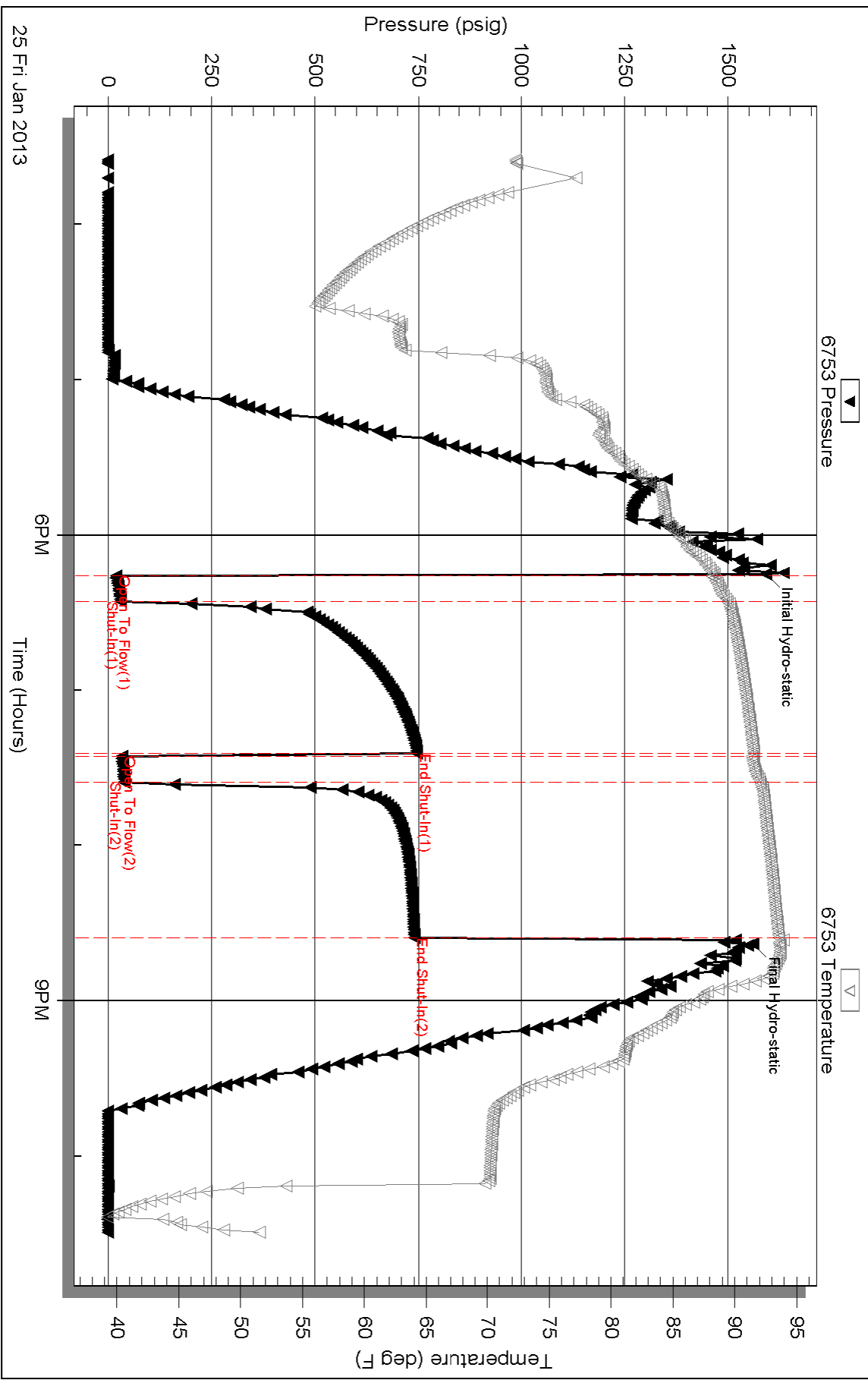
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data 200 psi 3000ml mud

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates Inc.

30-14-16, Ellis, KS

1515 Wynkoop, Ste 700
Denver CO 80202

Brungardt #1-30

ATTN: Clayton Camozzi

Job Ticket: 50265

DST#: 2

Test Start: 2013.01.26 @ 07:50:00

GENERAL INFORMATION:

Formation: **KC "I,J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:51:00

Time Test Ended: 14:27:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3370.00 ft (KB) To 3395.00 ft (KB) (TVD)

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3395.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press @ RunDepth: 17.41 psig @ 3371.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.01.26 End Date: 2013.01.26

Last Calib.: 2013.01.26

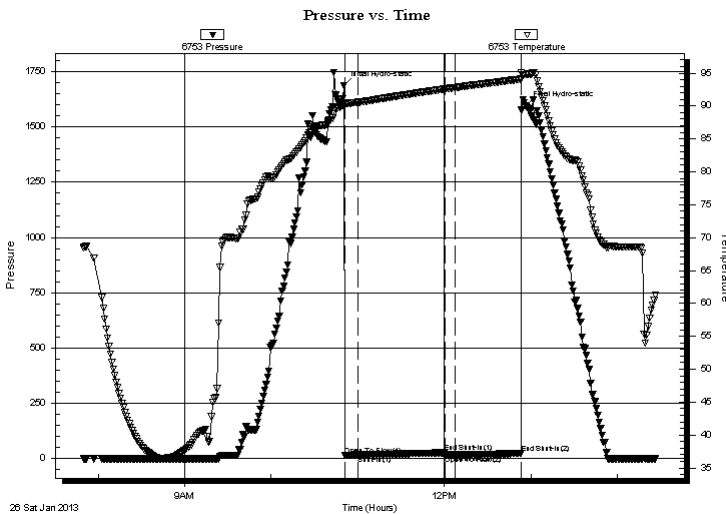
Start Time: 07:50:05 End Time: 14:26:59

Time On Btm: 2013.01.26 @ 10:50:30

Time Off Btm: 2013.01.26 @ 12:56:30

TEST COMMENT: 10min IF-1/4in blow
60min ISI-No blow
8min FF-No blow
45min FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1685.96	90.39	Initial Hydro-static
1	16.31	90.11	Open To Flow (1)
10	16.95	90.56	Shut-In(1)
70	26.72	92.57	End Shut-In(1)
70	16.92	92.58	Open To Flow (2)
77	17.41	92.80	Shut-In(2)
123	24.00	94.08	End Shut-In(2)
126	1594.81	94.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud	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 Inc.

30-14-16, Ellis, KS

1515 Wynkoop, Ste 700
Denver CO 80202

Brungardt #1-30

Job Ticket: 50265

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2013.01.26 @ 07:50:00

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:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 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
1.00	Mud	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

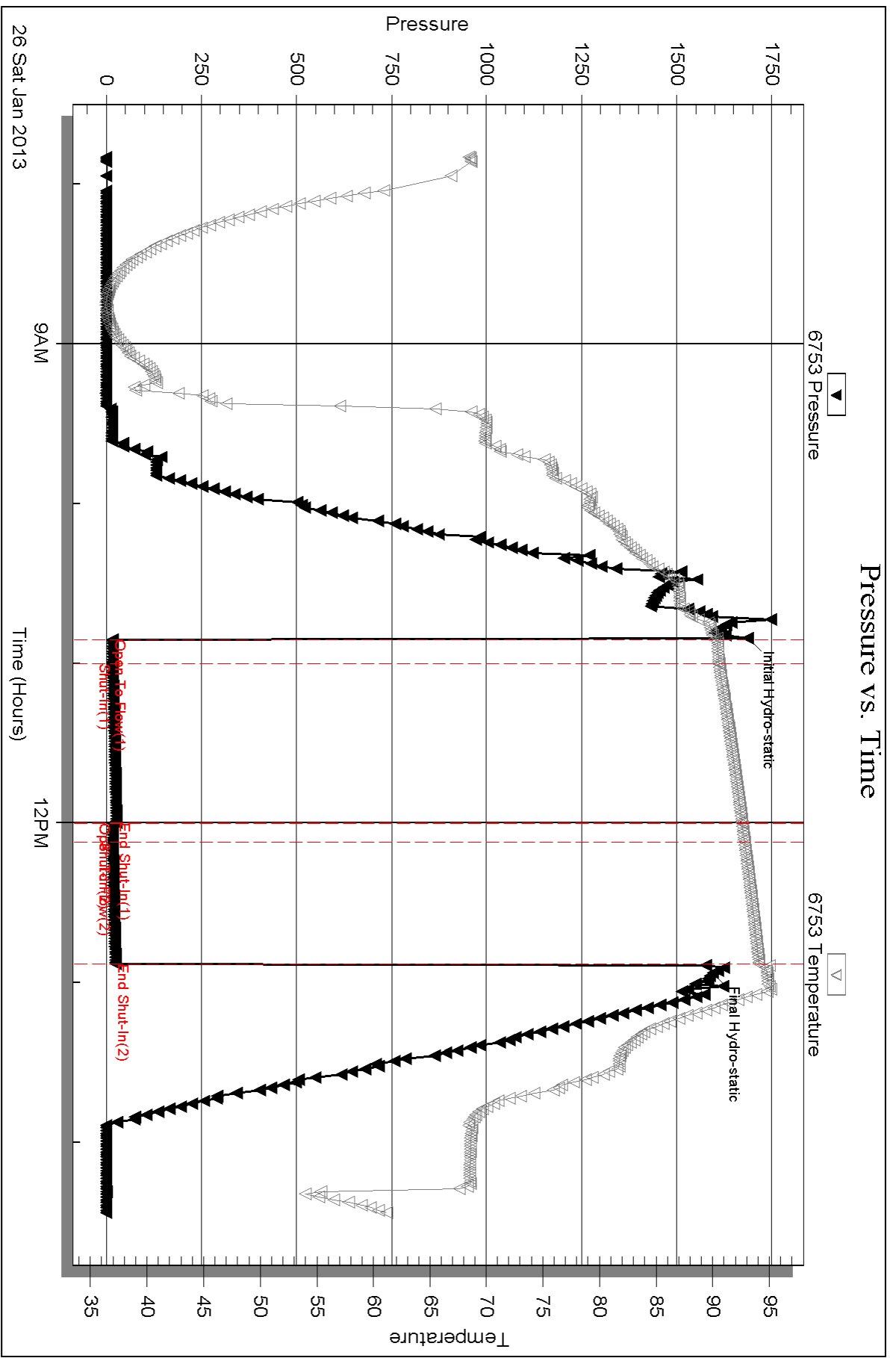
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data Empty





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates Inc.

30-14-16, Ellis, KS

1515 Wynkoop, Ste 700
Denver CO 80202

Brungardt #1-30

Job Ticket: 50266

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2013.01.27 @ 16:00:00

GENERAL INFORMATION:

Formation: **Arb**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:46:00
 Time Test Ended: 22:33:00
 Interval: **3458.00 ft (KB) To 3468.00 ft (KB) (TVD)**
 Total Depth: 3561.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 1948.00 ft (KB)
 1940.00 ft (CF)
 KB to GR/CF: 8.00 ft

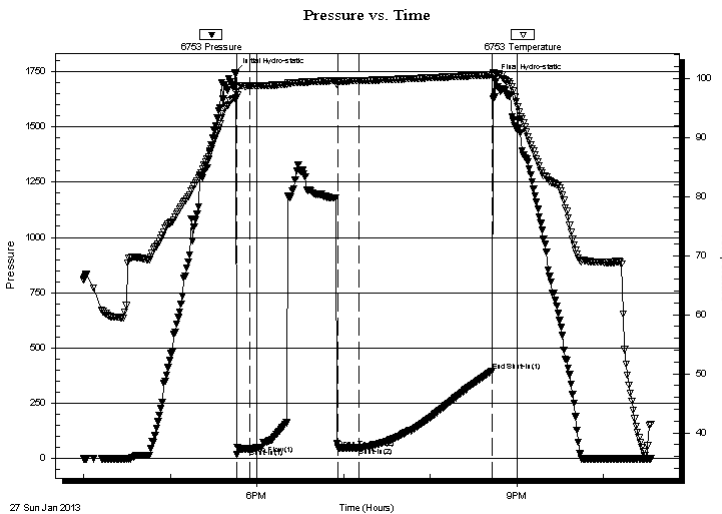
Serial #: 6753

Outside

Press @ Run Depth: 44.94 psig @ 3464.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.01.27 End Date: 2013.01.27 Last Calib.: 2013.01.27
 Start Time: 16:00:05 End Time: 22:32:59 Time On Btm: 2013.01.27 @ 17:45:00
 Time Off Btm: 2013.01.27 @ 20:44:00

TEST COMMENT: 10min IF-3.75in blow
 60min ISI-No blow
 15min FF-Very weak surface blow died in 10min
 90min FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1745.61	96.59	Initial Hydro-static
1	18.04	96.68	Open To Flow (1)
10	44.94	98.75	Shut-In(1)
71	48.57	99.47	Open To Flow (2)
86	49.39	99.58	Shut-In(2)
178	396.50	100.57	End Shut-In(1)
179	1717.95	100.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Mud	0.64

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates Inc.

30-14-16, Ellis, KS

1515 Wynkoop, Ste 700
Denver CO 80202

Brungardt #1-30

Job Ticket: 50266

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2013.01.27 @ 16:00:00

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:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

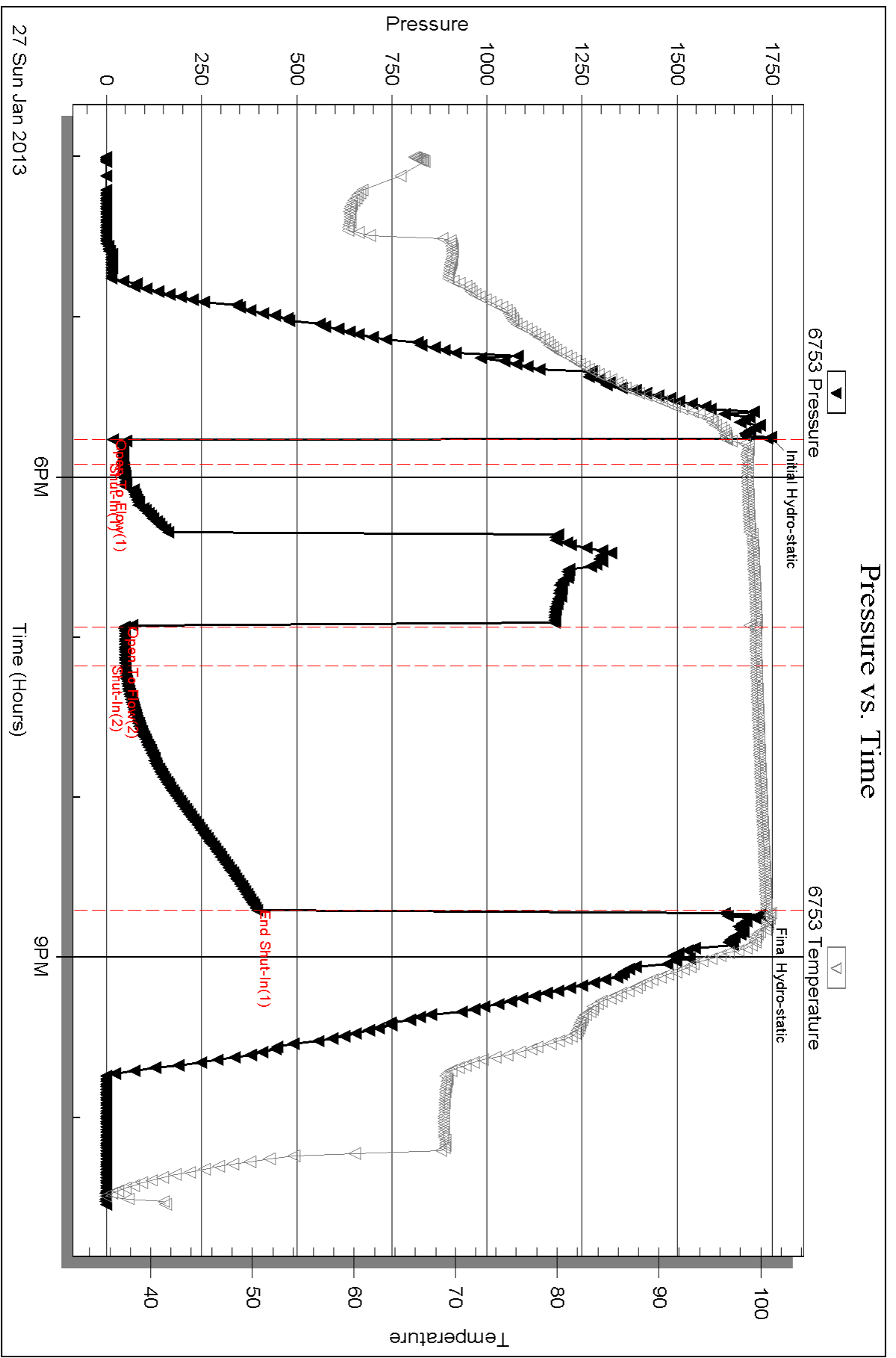
Length ft	Description	Volume bbl
65.00	Mud	0.638

Total Length: 65.00 ft Total Volume: 0.638 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler Data 25psi 4000ml mud





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

Well Name: SGA Brungardt et al 1-30
 Location: Sec. 30 - 14S - 16W Ellis County, Kansas
 License Number: 15-051-26463-0000
 Spud Date: Jan 21, 2013
 Surface Coordinates: 2310 FSL/ 2520 FWL
 Region: WILDCAT
 Drilling Completed: Jan 27, 2013

Bottom Hole Coordinates:
 Ground Elevation (ft): 1933' K.B. Elevation (ft): 1941'
 Logged Interval (ft): 2900' To: 3560' Total Depth (ft): 3560'
 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: Aaron Suelter
 Company: Earth Tech OGL, Inc.
 Address: PO Box 683
 Hooker, Okla . 73945
 Off. 888-543-8378 Cell: 620-600-0777

DST's Report

DST#1 3240'-3310' 10 60 10 60
 IF- 1 1/4IN BLOW / ISI- NO BLOW/ FF- 1/4IN BLOW/ FSI- NO BLOW
 IH- 1591, FH- 1559/ IF- 20 TO 33/ FF- 30 TO 38/ ISI- 746, FSI- 739
 RECOVERY- 15' MUD 100% MUD
 SAMPLER- 3000ML MUD 200 PSI

DST's Report

DST#2 3370'-3395' 10 60 8 45
 IF 1/4 IN BLOW/ ISI- NO BLOW/ FF- NO BLOW/ FSI- NO BLOW
 IH- 1686, FH- 1595/ IF- 16 TO 17/ FF- 17 TO 17/ ISI- 27, FSI- 24
 RECOVERY- 1' MUD 100% MUD

DST's Report

DST#3 3458'-3468' 10 60 15 90
 IF- 3 3/4 IN BLOW/ ISI- NO BLOW/ FF- VERY WEAK SURFACE BLOW DIED IN 10 MINUTES/ FSI- NO BLOW
 IH- 1746, FH- 1718/ IF- 18 TO 49/ FF- 45 TO 49/ ISI- N/A, FSI- 397
 RECOVERY- 65' MUD, 100% MUD
 SAMPLER- 4000 ML MUD, 25 PSI

ROCK TYPES

Anhy
 Bent
 Brec
 Cht
 Clyst
 Coal
 Congl
 Dol

Gyp
 Igne
 Lmst
 Meta
 Mrlst
 Salt
 Shale
 Shcol

Shgy
 Sltst
 Ss
 Till
 Carb sh
 Dol
 Dtd
 Gry sh

Sandylms
 Shale
 Sltstn
 Shlyslts
 Sitysh
 Lms

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brefracg
- 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
- Slty

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
- Sandyms
- 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

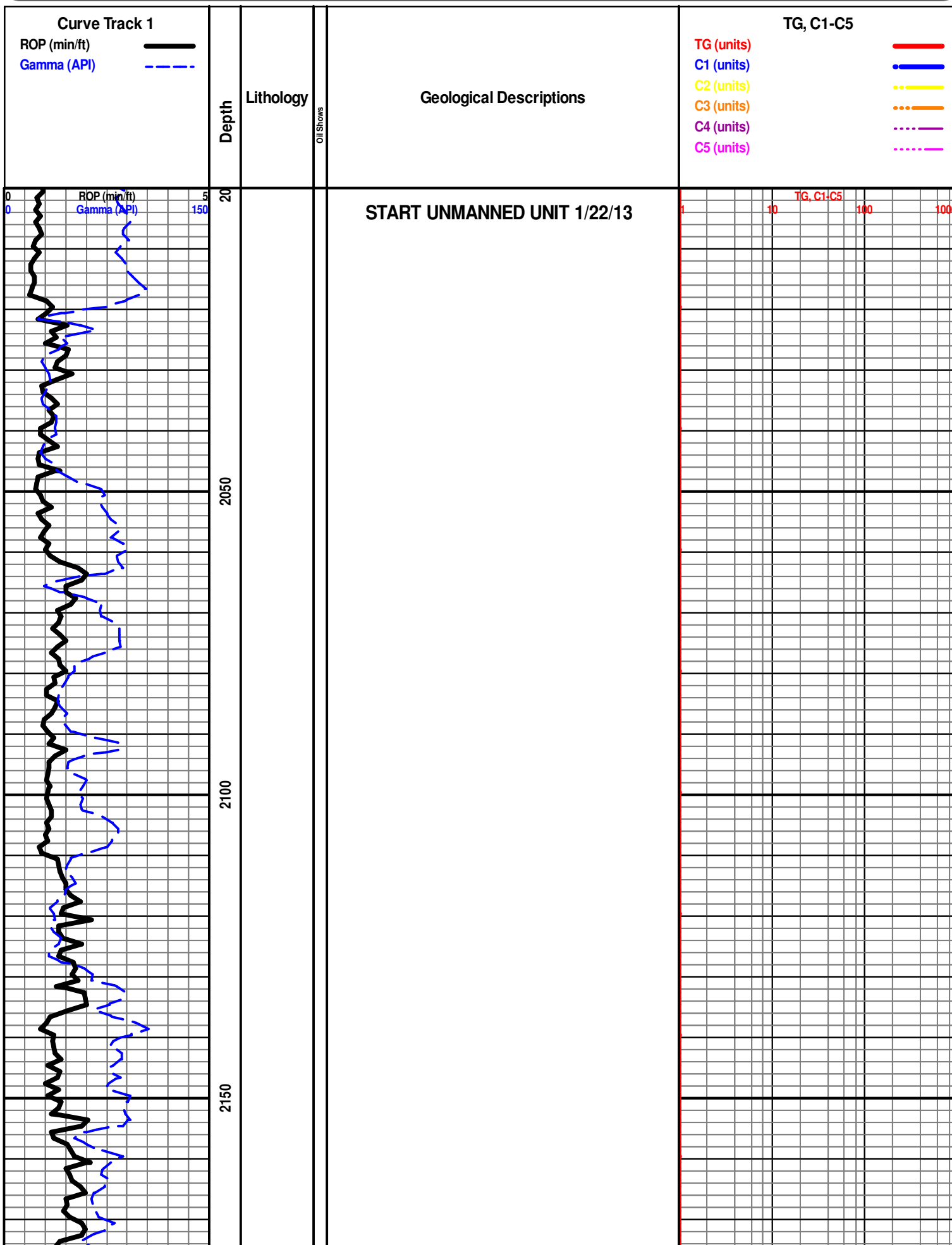
- Even
- Spotted
- Ques
- Dead
- Gas show

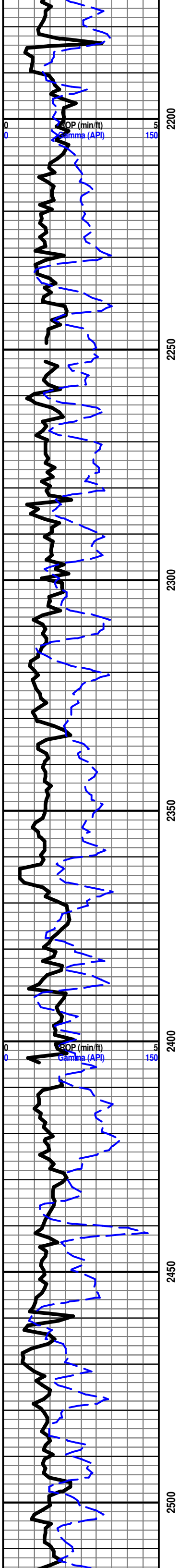
INTERVALS

- Core
- Dst
- Dst

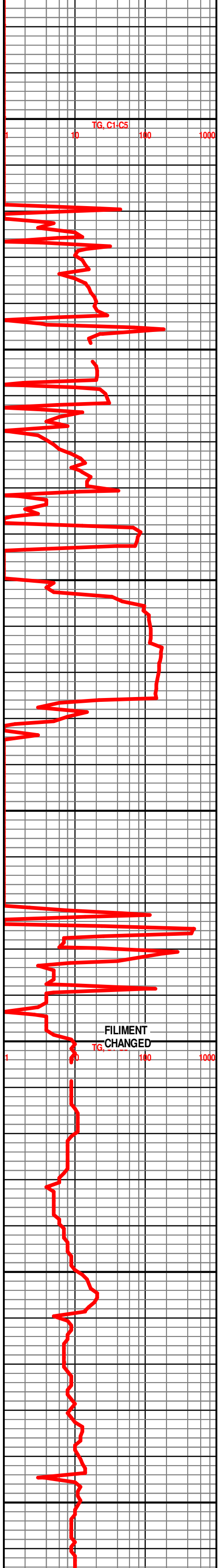
EVENTS

- Rft
- Sidewall



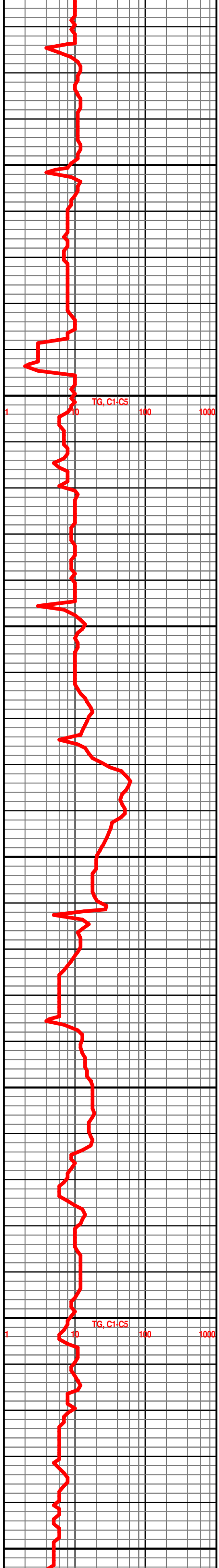
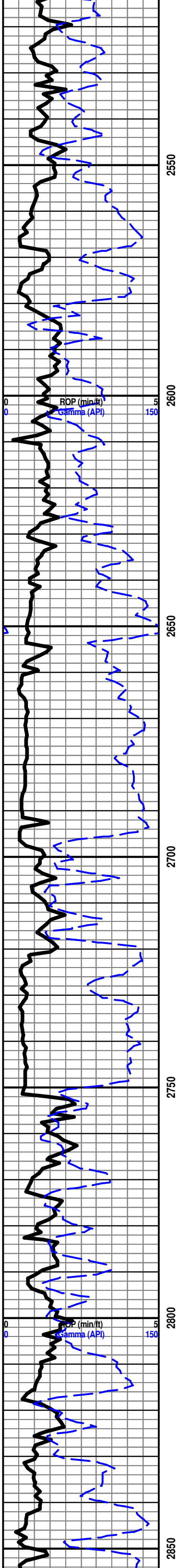


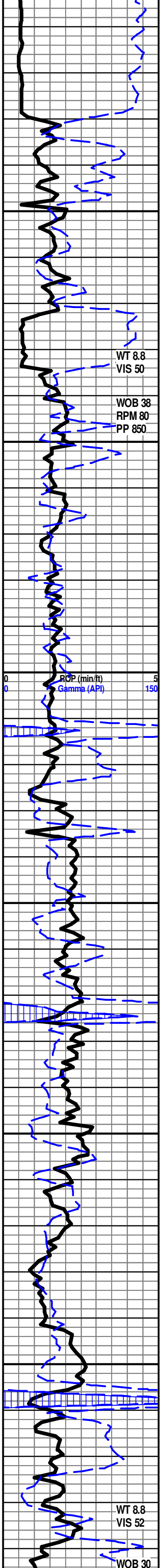
2200
2250
2300
2350
2400
2450
2500



TG, C1-C5
1 10 100 1000

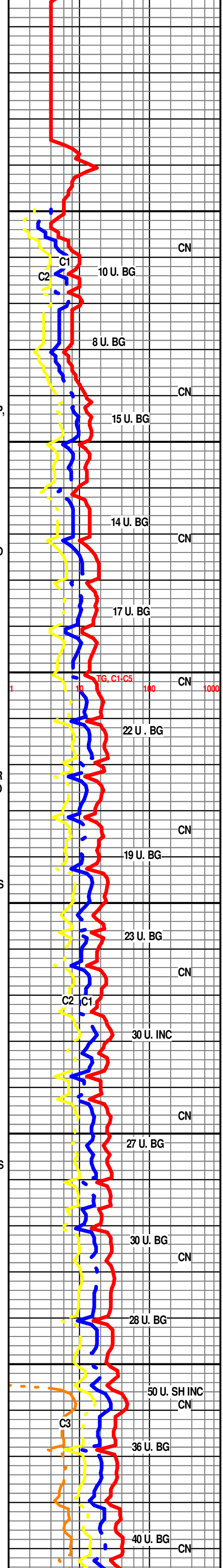
FILAMENT
CHANGED
TG, C1-C5
1 10 100 1000



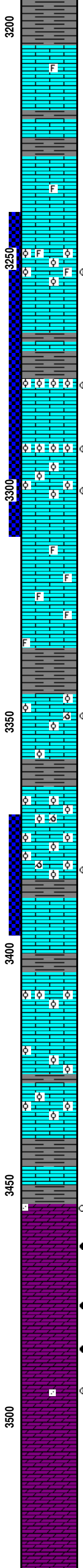
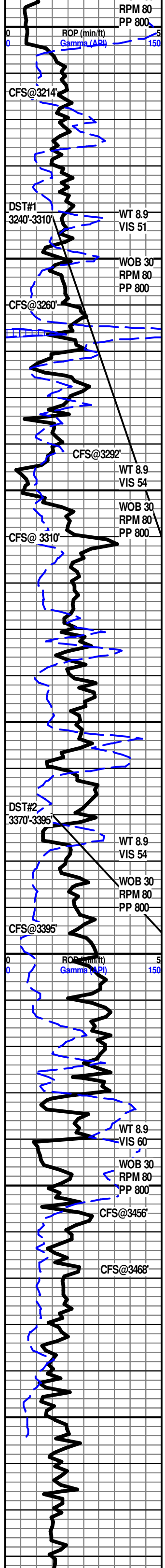


2900
2950
3000
3050
3100
3150

HOWARD 2880' -939'
START 24 HOUR MANNED UNIT 1/24/13
 LS- LT TN TO DK TN, HD DNS TO BRIT IP, F TO MD XLN RE-XLN MTRX, S-SUCRO IP, SLI TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW
SEVERY 2922 -981
 SH- GRN BRW LT GY TO GY, FRM BLKY TO SFT GMMY, SMTH TXT
TOPEKA 2934' -993'
 LS- LT TN TO DK TN, HD DNS TO BRIT IP, F XLN TO MD XLN RE-XLN MTRX, S-CHLKY, ABDT IMBD FOSS FRG THRU, SFT WHT CHLK IN TRAY, SLI TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW
 LS- LT GY TO TN, HD DNS TO BRIT IP, F XLN MTRX, S-SUCRO, SLI TR IMBD FOSS FRG IP, SLI TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW
 LS- GY TO TN MOTTLD IP, HD DNS TO BRIT IP, F XLN RE-XLN MTRX, S-SUCRO IP, ABDT IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW
 LS-LT TN TO TN, HD DNS TO BRIT, F XLN RE-XLN MTRX, S-SUCRO IP, IMBD FOSS FRG THRU, SLI TR IMBD CALC XLS IP, SLI TR PYR IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW
 LS- LT TN TO TN, HD DNS TO BRIT IP, F XLN RE-XLN MTRX, S-SUCRO IP, IMBD FOSS FRG IP, SLI TR TN CHRT IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW
 LS- OFF WHT TO TN, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY IP, ABDT IMBD FOSS FRG IP, SLI TR PYR IN TRAY, SLI TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW
LE COMPTON 3036' -1095'
 LS- CRM TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, TR IMBD FOSS FRG IP, TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW
 LS- OFF WHT TO TN, HD DNS TO BRIT IP, V/F TO FN XLN RE-XLN MTRX, S-SUCRO, ABDT IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW
 SH- GY TO DK GY, FRM BLKY, SMTH TXT
 LS- CRM TO TN, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, SLI TR IMBD FOSS FRG IP, SLI TR IMBD CALC XLS IP, SLI TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW
 LS- CRM TO DK TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, SCAT IMBD FOSS FRG THRU, SLI TR DISS PYR IP, SLI TR GLAUC OR KOAL IP, NO VIS FLO, NO VIS POR, NO VIS SHOW
 3112'-3114' LS- LT TN TO TN W/ TN OIL STN IN 20%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, SCAT IMBD FOSS FRG IP, BRT YEL GLD FLO IN 40%, PR TO FR INTR FOSS POR IN 3%, FR TO GD VUG POR IN 1%, GD FLSH CUT IN 40%, FR TO GD SLW STRM IN 40%, NO LCH ON DISH, NO OIL ODOR
 LS- LT TN TO DK TN, HD DNS TO BRIT IP, V/F TO F XLN RE-XLN MTRX, S-SUCRO, SCAT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW
 LS- LT TN TO TN, HD DNS TO BRIT, V/F TO F XLN RE-XLN MTRX S-SUCRO SCAT IMBD FOSS FRG THRU, NO VIS FLO, PR MICRO VUG POR IN 2%, NO VIS SHOW
HEEBNER 3156' -1215'
 SH- BLCK, SFT, CARB
 SH- GRN LT GY TO GY, FRM BLKY TO SFT GMMY, SMTH TXT
 LS- OFF WHT TO LT TN, HD DNS TO BRIT, F XLN SUCRO MTRX, SLI TR SCAT IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW
DOUGLAS 3187' -1246'



CN
 10 U. BG
 C2 C1
 8 U. BG
 CN
 15 U. BG
 14 U. BG
 CN
 17 U. BG
 TG, C1-C5
 CN
 22 U. BG
 CN
 19 U. BG
 23 U. BG
 CN
 C2 C1
 30 U. INC
 CN
 27 U. BG
 30 U. BG
 CN
 28 U. BG
 50 U. SH INC
 CN
 C3
 36 U. BG
 40 U. BG
 CN



SH- GRN TO GY, FRM BLKY, SMTH TXT

LANSING 3204' -1263'
 LS- CRM TO LT TN, HD DNS, V/F TO F XLN SUCRO MTRX, SLI TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LANSING "C" 3227' -1286'
 LS- LT TN TO TN, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY IP, TR IMBD FOSS FRG IP, SCAT SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

3251'-3253' LS- OFF WHT TO CRM W/ TN OIL STN IN 45%, HD DNST TO BRIT, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, SLI TR IMBD FOSS FRG IP, DUL YEL GLD FLO IN 50%, FR INTR OOL POR IN 7%, GD FL SH CUT IN 60%, GD MLKY BLU SLW STRM IN 60%, TN LCH ON DISH, NO OIL ODOR

LANSING "F" 3275' -1334'
 3275'-3277' LS- CRM TO LT TN W/ LT TN TO TN OIL STN IN 60%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, DUL YEL GLD FLO IN 30%, BRT YEL GLD FLO IN 30%, FR TO GD INTR OOL POR IN 10%, GD FL SH CUT IN 60%, GD SLW STRM CUT IN 60%, TN LCH ON DISH, WK OIL ODOR

3290'-3292' LS- CRM TO LT TN W/ TN OIL STN IN 30%, LOS IN 1%, HD DNS, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, DUL YEL GLD FLO IN 35%, PR TO FR INTR OOL POR IN 5%, FR FL SH CUT IN 30%, FR TO GD SLW STRM IN 30%, V/LT TN LCH ON DISH, NO OIL ODOR

3299'-3301' LS- WHT TO LT TN W/ TN OIL STN IN 30%, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, IMBD OOL IP, DUL YEL GLD FLO IN 30%, FR INTR OOL POR IN 5%, FR TO GD VUG POR IN 3%, PR TO FR FL SH CUT IN 35%, FR TO GD SLW STRM IN 40%, LT TN LCH ON DISH, FR OIL ODOR

LS- CRM TO LT TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, S-CHLKY, TR SCAT IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- GRN BRW LT GY TO GY, FRM BLKY, SMTH TXT

LANSING "H" 3343' -1402'
 3347'-3348' LS- CRM TO TN W/ TN OIL STN IN 20%, HD DNS, V/F TO F XLN SUCRO MTRX, SCAT IMBD OOL THRU, SLI TR OOLMLD IP, DUL YEL GLD FLO IN 20%, FR OOLMLD POR IN 3%, FR VUG POR IN 20%, FR FL SH CUT IN 20%, FR SLW STRM IN 25%, LT TN LCH ON DISH, NO OIL ODOR

LS CRM TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, SLI TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

3381'-3383' LS- CRM TO LT TN W/ TN OIL STN IN 60%, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY IP, IMBD OOL THRU, SLI TR OOLMLD IP, DUL YEL GLD FLO IN 50%, FR TO GD OOLMLD POR IN 5%, FR TO GD VUG POR IN 3%, PR TO FR INTR OOL POR IN 2%, FR FL SH CUT IN 60%, FR TO GD SLW STRM IN 60%, LT TN LCH ON DISH, FR OIL ODOR

LS- OFF WHT TO LT TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, SCAT IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

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

LS- OFF WHT TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, ABDT IMBD OOL IP, SLI TR SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, RE-XLN IP, IMBD OOL IP, TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM TO LT TN, HD DNS TO V/ BRIT, F XLN CHLKY MTRX, S-SUCRO, IMBD OOL IP, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

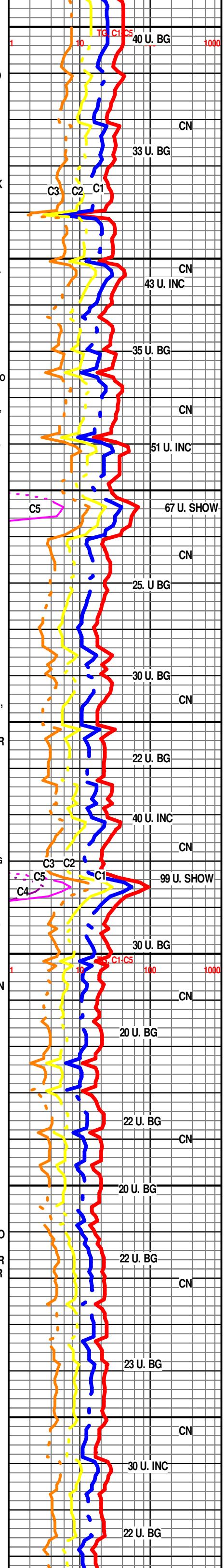
SH- BRWN LT GY TO GY, FRM BLKY, SMTH TXT

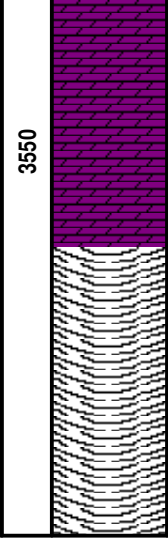
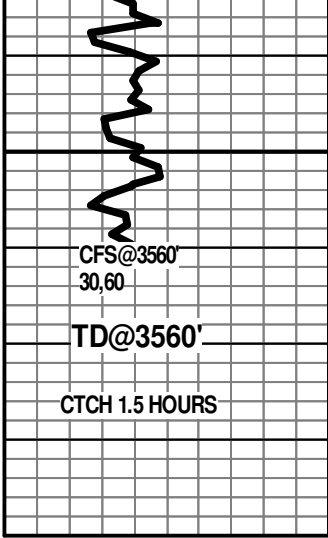
BKC 3449' -1508'
ARBUCKLE 3454' -1513'
 3454'-3456' DOLO- LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN RE-XLN MTRX, ABDT IMBD SM TO MD S-ANG TO ANG DOLO GRNS THRU, SLI TR QRTZ XLS IN TRAY, NO VIS FLO, V/PR INTR GRN POR IN 5%, NO FL SH CUT, V/PR TO PR SLW STRM IN 5%, NO LCH ON DISH, NO OIL ODOR

3463'-3465' DOLO- CRM TO LT TN W/ TN OIL STN IN 75%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD SM TO MD S-ANG TO S-RND DOLO GRNS THRU, BRT YEL GLD FLO IN 50%, DUL YEL GLD FLO IN 25%, TT TO PR INTR GRN POR IN 5%, NO FL SH CUT, V/PR TO PR SLW STRM IN 75%, V/ LT TN LCH ON DISH, NO OIL ODOR

3475'-3476' DOLO- CRM TO LT TN, W/ TN OIL STN IN 70%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD SM TO MD S-ANG TO S-RND DOLO GRNS THRU, BRT YEL GLD FLO IN 70%, TT TO PR INTR GRN POR IN 5%, NO FL SH CUT, V/PR TO PR SLW STRM IN 70%, NO LCH ON DISH, NO OIL ODOR

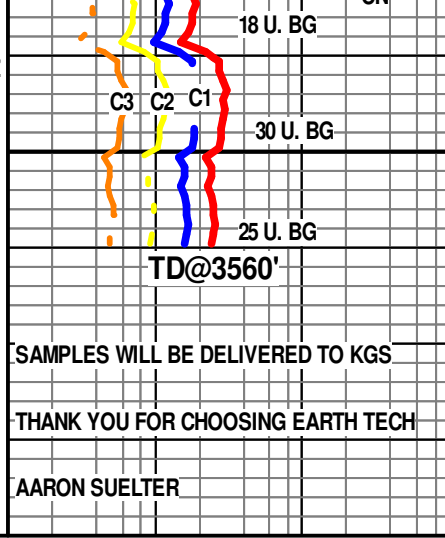
3484'-3486' DOLO- CRM TO LT TN W/ TN OIL STN IN 80%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD SM TO MD S-ANG TO ANG DOLO GRNS THRU, BRT YEL GLD FLO IN 80%, PR INT GRN POR IN 7%, NO FL SH CUT, V/PR TO PR SLW STRM IN 75%, NO LCH ON DISH, NO OIL ODOR





3492'-3494' DOLO- CRM TO LT TN W/ TN OIL STN IN 20%,
 HD DNS TO BRIT, F XLN SUCRO MTRX, ABDT IMBD SM TO
 MD S-ANG TO ANG DOLO GRNS THRU, SLI TR IMBD QRTZ
 MD RND QRTZ XLS IP, BRT YEL GLD FLO IN 20%, PR INTR
 GRN POR IN 5%, NO FLSH CUT, V/PR TO PR SLW STRM IN
 15%, NO LCH ON DISH, NO OIL ODOR

R.T.D. @ 3:00 AM 1/27/13
 DROP SURVEY
 TOFL @ 4:30 AM
 WEATHERFORD/LIBERAL



SAMPLES WILL BE DELIVERED TO KGS
 THANK YOU FOR CHOOSING EARTH TECH
 AARON SUELTER

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

May 13, 2013

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

Re: ACO1
API 15-051-26463-00-00
BRUNGARDT ET AL 1-30
SW/4 Sec.30-14S-16W
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.

Respectfully,
CHRISTOPHER MITCHELL