



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1124683
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
-----------------------------------	-----------------	---

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: _____



1124683

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: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	SHUBERT 3-36
Doc ID	1124683

All Electric Logs Run

INDUCTION
MICRO
NEUTRON-DENSITY
SONIC
SPECTRAL

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



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

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

Sam Brownback, Governor

March 15, 2013

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

Re: ACO1
API 15-195-22828-00-00
SHUBERT 3-36
NE/4 Sec.36-11S-22W
Trego 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: 1/4/2012
 Invoice # 6331
 P.O.#:
 Due Date: 2/3/2012
 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

JAN 09 2013

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

DRLG COMP W/O LOE CG

Account	8300.238
Well/Prospect	
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Reference:
 SHUBERT 3-36

Description of Work:
 PORT COLLAR JOB

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
mon, MetsoBeads, Plater, Gel, FloSeal, Calcium)	160	\$ 3,321.42	Yes				
Bulk Truck Mat-Material Service Charge	360	\$ 781.71	No				
Pump Truck Mileage-Job to Nearest Camp	34	\$ 368.40	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	34	\$ 215.58	No				
Flo Seal	87	\$ 188.91	Yes				
Premium Gel (Bentonite)	3	\$ 53.03	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 5,920.44
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (888.07)

SubTotal for Taxable Items:	\$ 3,028.85
SubTotal for Non-Taxable Items:	\$ 2,003.52
Total:	\$ 5,032.37
Tax:	\$ 205.96

6.80% Trego County Sales Tax

Thank You For Your Business!

Amount Due: \$ 5,238.33
Applied Payments:
Balance Due: \$ 5,238.33

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. 6331

Date	Sec.	Twp.	Range	County	State	On Location	Finish
12-26-12	36	11	22	Trego	KS		12:30 p.m.
				Location Ogallah 5N R2F 1 1/2E S1N70			

Lease	Shubert	Well No.	3-36	Owner	To Quality Oilwell Cementing, Inc.
-------	---------	----------	------	-------	------------------------------------

Contractor	ACE	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	Port Collar	Charge To	Sam Gary
----------	-------------	-----------	----------

Hole Size	7 7/8	T.D.	
-----------	-------	------	--

Csg.	5/2	Depth	
------	-----	-------	--

Tbg. Size	2 7/8	Depth	
-----------	-------	-------	--

Tool	Port Collar	Depth	1778
------	-------------	-------	------

Cement Left in Csg.		Shoe Joint	
---------------------	--	------------	--

Meas Line		Displace	USED 160BSK & 360
-----------	--	----------	-------------------

EQUIPMENT			Common	160 QMDC
-----------	--	--	--------	----------

Pumptrk	9	No.	Cementer	raig
---------	---	-----	----------	------

Bulktrk		No.	Driver	Edy
---------	--	-----	--------	-----

Bulktrk	12	No.	Driver	Heath
---------	----	-----	--------	-------

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	
--------------------	--	------	--

Port Collar @ 1778		Handling	360
--------------------	--	----------	-----

Open tool & mix 360 to 1st.		Mileage	
-----------------------------	--	---------	--

Circulation - Mixed 160BSK & Displace		FLOAT EQUIPMENT	
---------------------------------------	--	-----------------	--

Cement Circulate!		Guide Shoe	
-------------------	--	------------	--

Close Tool Wash out Short way.		Centralizer	
--------------------------------	--	-------------	--

		Baskets	
--	--	---------	--

		AFU Inserts	
--	--	-------------	--

		Float Shoe	
--	--	------------	--

		Latch Down	
--	--	------------	--

		Pumptrk Charge	port Collar
--	--	----------------	-------------

		Mileage	34
--	--	---------	----

		Tax	
--	--	-----	--

		Discount	
--	--	----------	--

		Total Charge	
--	--	--------------	--

X Signature *James P. ...*



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: 11/28/2012
 Invoice # 6258

P.O.#:

Due Date: 12/28/2012

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:

SHUBERT 3-36

Description of Work:

SURFACE JOB

W/O LOR
 Account: 8300.238
 Well/Prospect:
 Deck:
 AFE:
 Approval: *[Signature]*
 Description:

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Common-Class A	200	\$ 2,722.97	Yes				
Bulk Truck Matl-Material Service Charge	211	\$ 458.17	No				
Calcium Chloride	7	\$ 362.22	Yes				
Pump Truck Mileage-Job to Nearest Camp	34	\$ 368.40	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	34	\$ 215.58	No				
Premium Gel (Bentonite)	4	\$ 70.70	Yes				

Invoice Terms:

Net 30

	SubTotal:	\$ 5,189.43
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$ (778.41)
<hr/>		
	SubTotal for Taxable Items:	\$ 2,682.51
	SubTotal for Non-Taxable Items:	\$ 1,728.51
<hr/>		
	Total:	\$ 4,411.02
	Tax:	\$ 182.41
	Amount Due:	\$ 4,593.43
	Applied Payments:	
	Balance Due:	\$ 4,593.43

6.80% Trego 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. 6258

Date	11-24-12	Sec.	31	Twp.	11	Range	21	County	TREGO	State	KANSAS	On Location		Finish	20:30				
Location								OGAUAH NTO F.R.D. 2 E. S/INTO											
Lease	SHUBERT			Well No.	#3-36			Owner	SAM GARY										
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	SURFACE			Charge To								SAM GARY							
Hole Size	12 1/4"			T.D.	389'			Street								1515 WYNKOOP, STE 700			
Csg.	8 3/8			Depth	389'			City								DENVER State CO, 80202			
Tbg. Size				Depth				The above was done to satisfaction and supervision of owner agent or contractor.											
Tool				Depth	15'			Cement Amount Ordered								200 com. 3cc. 2gel			
Cement Left in Csg.				Shoe Joint															
Meas Line				Displace	23 1/2 bbls														
EQUIPMENT								Common								200			
Pumptrk #15	No.	Cementer										Poz. Mix							
		Helper		NTCK															
Bulktrk #12	No.	Driver		LONNTEW.								Gel.				4			
		Driver										Calcium				7			
Bulktrk #14	No.	Driver		CTSCO															
JOB SERVICES & REMARKS								Hulls											
Remarks:								Salt											
Rat Hole								Flowseal											
Mouse Hole								Kol-Seal											
Centralizers								Mud CLR 48											
Baskets								CFL-117 or CD110 CAF 38											
D/V or Port Collar								Sand											
CEMENT DID CIRCULATE!								Handling								211			
								Mileage											
								FLOAT EQUIPMENT											
								Guide Shoe											
								Centralizer											
								Baskets											
								AFU Inserts											
								Float Shoe											
								Latch Down											
								Pumptrk Charge								Surface			
								Mileage								34			
THANK YOU!																Tax			
																Discount			
																Total Charge			
Signature																			



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: 12/3/2012
 Invoice # 6215
 P.O.#:
 Due Date: 1/2/2013
 Division: Russell

Invoice

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

Reference:
 SHUBERT 3-36

Description of Work:
 PROD LONG STRING

DRLG COMP W/O LOG TIG

Account	4300.238
Well/Prospect	
Deck	
APP	
Approval	<i>[Signature]</i>
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 950.65	No	Pump Truck Mileage-Job to Nearest Camp	34	\$353.26	No
Common-Class A	225	\$ 2,937.45	Yes	Auto Fill Float Shoe, 5 1/2"	1	\$318.58	Yes
Cement Port Collar, 5 1/2"	1	\$ 2,602.74	Yes	Salt (Fine)	19	\$276.14	Yes
Gilsonite	1057	\$ 1,650.66	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$233.21	Yes
CFL 117	176	\$ 1,128.71	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	34	\$206.72	No
5 1/2" Basket	4	\$ 957.81	Yes	Flo Seal	56	\$116.60	Yes
5 1/2" Turbolizer	10	\$ 603.84	Yes	KCL	2	\$62.17	Yes
Bulk Truck Matl-Material Service Charge	254	\$ 528.88	No				
CD-110	117	\$ 487.23	Yes				
Mud Clear	500	\$ 385.21	Yes				
Defoamer A or CAF-38	50	\$ 364.38	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 14,164.23
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (2,124.64)

SubTotal for Taxable Items:	\$ 10,306.02
SubTotal for Non-Taxable Items:	\$ 1,733.58
Total:	\$ 12,039.59
Tax:	\$ 700.81

6.80% Trego County Sales Tax

Thank You For Your Business!

Amount Due: \$ 12,740.40
Applied Payments:
Balance Due: \$ 12,740.40

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. 6215

Date	12-1-12	Sec.	36	Twp.	11	Range	22	County	Trego	State	KS	On Location		Finish	12/1/12 7:15 PM
Location								Dgallah 4N 1/2E Sinto							

Lease	Shubert	Well No.	3-36	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	D. Scovell #2				Charge To	Sam Gary Jr & Assoc.
Type Job	Production String				Street	
Hole Size	7 7/8	T.D.	4190	City	State	
Csg.	5 1/2 15.50#	Depth	4184	The above was done to satisfaction and supervision of owner agent or contractor.		
Tbg. Size		Depth		Cement Amount Ordered 225 @ Ac 10% Salt 3% C. / 50# 10		
Tool	Port Collar #36	Depth	1777	1/4# F10 3% CD-110 8% CFL-117 25% CAF 38		
Cement Left in Csg.	43.37	Shoe Joint	43.37	Common 20 B L KCL 500 gal mud clear		
Meas Line		Displace	98 1/2 B L	Poz. Mix		

EQUIPMENT					
Pumptrk	9	No.	Cement Helper	Gen.	KCL 290L
Bulktrk		No.	Driver	Calcium	CD-110 117#
Bulktrk	1	No.	Driver	Hulls	
			Driver	Salt	19

JOB SERVICES & REMARKS		FLOAT EQUIPMENT	
Remarks:		Guide Shoe	5 1/2
Rat Hole	30SK	Centralizer	2
Mouse Hole	155K	Baskets	2 Blue 2 Red
Centralizers		AFU Inserts	Port Collar
Baskets		Float Shoe	1
D/V or Port Collar		Latch Down	1
5 1/2 sev @ 4184. Est. Completion.			8 Turbolizers
Demol 500 gal mud clear. Plug			Rotator
Rathole mousehole. Cement 5 1/2		Pumptrk Charge	Prod Long String
with 1805K Clear lines Displace		Mileage	34
Plug 1/2 20 B L with KCL			
Plug landed @ 1300K H/L. Release			
Pressure Dry.			

X Signature		Tax	
		Discount	
		Total Charge	



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

36 11s 22w Trego

1515 Wynkoop St. Ste 700
Denver, CO 80202

Shubert 3-36

Job Ticket: 51532

DST#: 1

ATTN: Chris Mitchell

Test Start: 2012.11.28 @ 11:20:01

GENERAL INFORMATION:

Formation: **LKC " A-C "**

Deviated: No Whipstock: 2356.00 ft (KB)

Time Tool Opened: 14:00:10

Time Test Ended: 19:37:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 41

Interval: 3648.00 ft (KB) To 3692.00 ft (KB) (TVD)

Total Depth: 3692.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2356.00 ft (KB)

2348.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6752

Inside

Press @ Run Depth: 45.90 psig @ 3657.00 ft (KB)

Start Date: 2012.11.28

End Date: 2012.11.28

Start Time: 11:20:01

End Time: 19:37:20

Capacity: 8000.00 psig

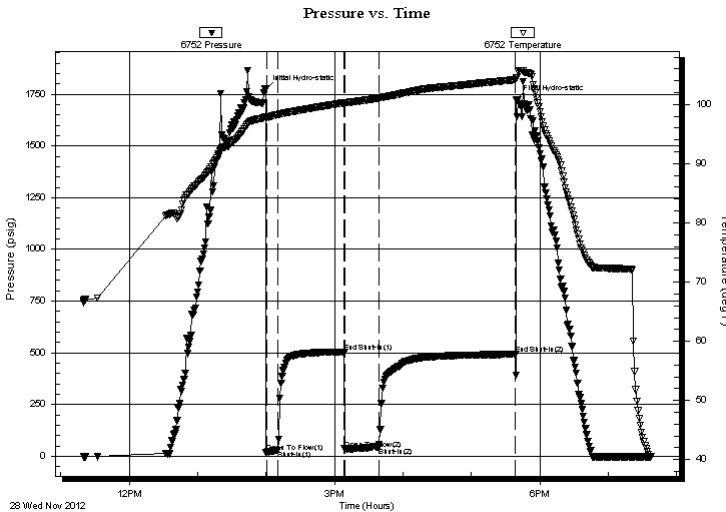
Last Calib.: 2012.11.28

Time On Btm: 2012.11.28 @ 13:59:20

Time Off Btm: 2012.11.28 @ 17:39:10

TEST COMMENT: 10-IFP- Surface Blow Building to 1 1/4in.
60-ISIP- No Blow for 38min. Surface Blow There After
30-FFP- Surface Blow Building to 2 1/4in.
120-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1774.29	97.92	Initial Hydro-static
1	19.56	97.74	Open To Flow (1)
11	31.21	98.28	Shut-In(1)
70	505.10	100.27	End Shut-In(1)
70	36.12	100.05	Open To Flow (2)
100	45.90	101.05	Shut-In(2)
220	493.43	104.18	End Shut-In(2)
220	1725.29	104.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	WCM 30%w 70% m Show of Oil	0.56

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. and Associates, Inc.

36 11s 22w Trego

1515 Wynkoop St. Ste 700
Denver, CO 80202

Shubert 3-36

Job Ticket: 51532

DST#: 1

ATTN: Chris Mitchell

Test Start: 2012.11.28 @ 11:20:01

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:	52000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.76 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

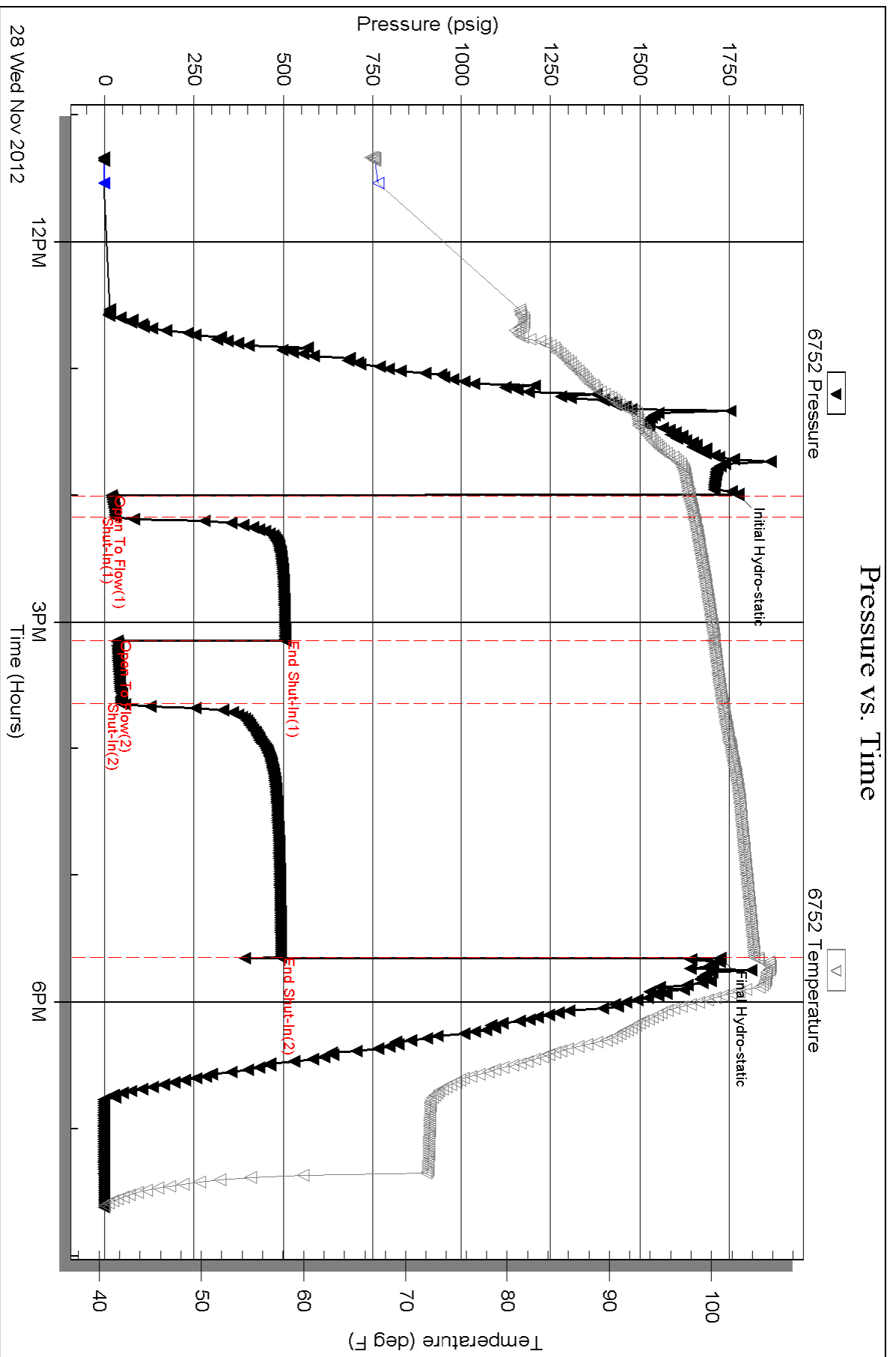
Length ft	Description	Volume bbl
60.00	WCM 30%w 70%m Show of Oil	0.559

Total Length: 60.00 ft Total Volume: 0.559 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: SAMPLER- 150ml Water 350ml Mud .230 @ 43 - 54000 - 125 psi
.239 @ 43 in Pipe



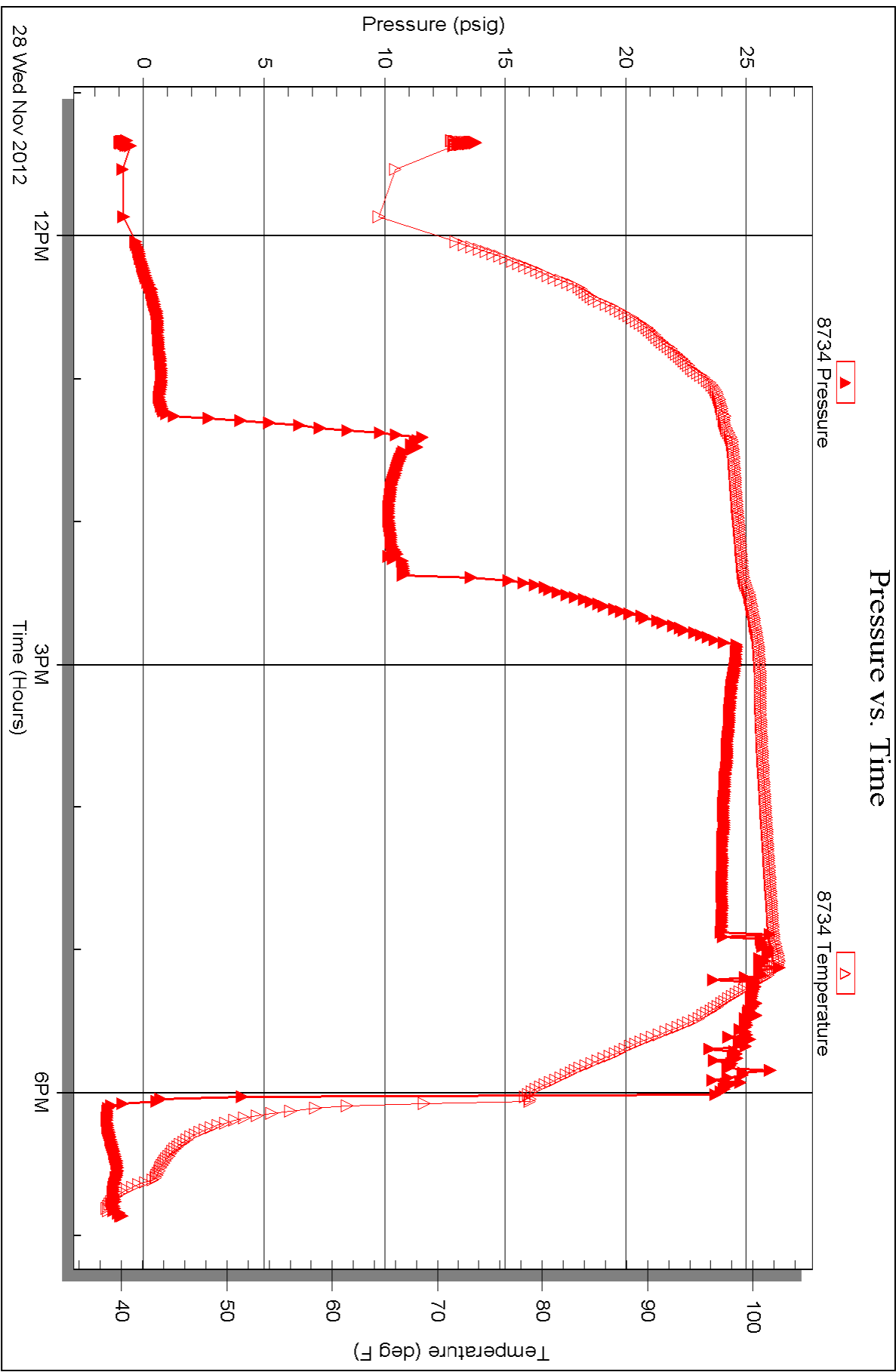
Serial #: 8734

Fluid

Samuel Gary Jr. and Associates, Inc.

Shubert 3-36

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 51532

Printed: 2012.11.29 @ 07:44:43



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

36 11s 22w Trego

1515 Wynkoop St. Ste 700
Denver, CO 80202

Shubert 3-36

ATTN: Chris Mitchell

Job Ticket: 51533

DST#: 2

Test Start: 2012.11.29 @ 16:50:00

GENERAL INFORMATION:

Formation: **LKC " I - K "**

Deviated: No Whipstock: 2356.00 ft (KB)

Time Tool Opened: 19:13:00

Time Test Ended: 01:00:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 41

Interval: 3788.00 ft (KB) To 3860.00 ft (KB) (TVD)

Reference Elevations: 2356.00 ft (KB)

Total Depth: 3860.00 ft (KB) (TVD)

2348.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6752 Inside

Press @ Run Depth: 32.13 psig @ 3794.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.29

End Date:

2012.11.30

Last Calib.: 2012.11.30

Start Time: 16:50:01

End Time:

00:59:30

Time On Btm: 2012.11.29 @ 19:12:40

Time Off Btm: 2012.11.29 @ 22:53:10

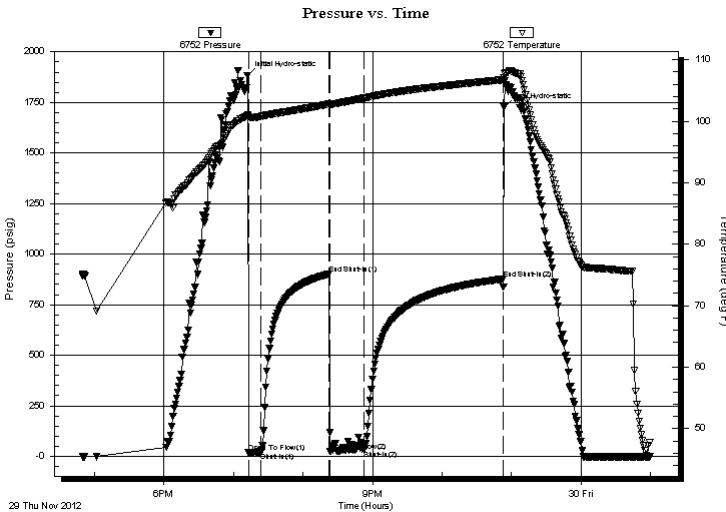
TEST COMMENT: 10-IFP- Surface Blow in 8min. Building to 3/4in.

60-ISIP- No Blow

30-FFP- Surface Blow in 9min.

120-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1881.21	100.97	Initial Hydro-static
1	18.24	100.69	Open To Flow (1)
12	22.39	100.76	Shut-In(1)
70	901.25	102.78	End Shut-In(1)
71	24.52	102.65	Open To Flow (2)
100	32.13	103.73	Shut-In(2)
220	876.77	106.74	End Shut-In(2)
221	1726.29	107.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MUD 100%	0.07

* 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. and Associates, Inc.

36 11s 22w Trego

1515 Wynkoop St. Ste 700
Denver, CO 80202

Shubert 3-36

Job Ticket: 51533

DST#: 2

ATTN: Chris Mitchell

Test Start: 2012.11.29 @ 16:50:00

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: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	MUD 100%	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

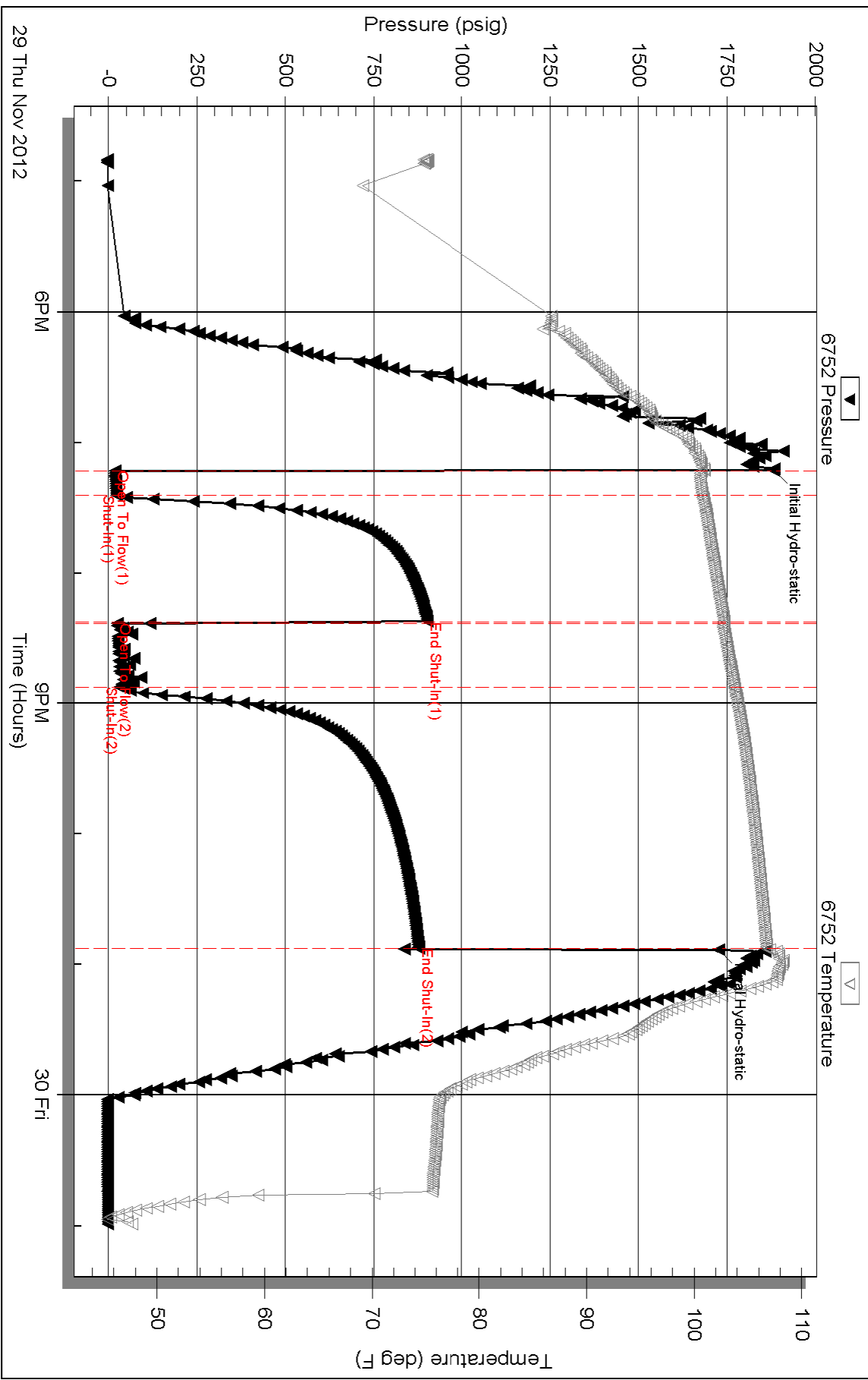
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler- No Fluid 105 psi

Pressure vs. Time





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

Well Name: SGA Shubert 3-36
 Location: Sec. 36 11S-22W Trego County, Kansas
 License Number: 15-195-22828-0000
 Spud Date: Nov 24, 2012
 Surface Coordinates: 1160 FNL/ 2010 FEL
 Region: WILDCAT
 Drilling Completed: Nov 30, 2012

Bottom Hole Coordinates:
 Ground Elevation (ft): 2348' K.B. Elevation (ft): 2356'
 Logged Interval (ft): 3300' To: 4190' Total Depth (ft): 4190'
 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 3648'-3692' 10 60 30 120
 IF- SURFACE BLOW BUILDING TO 1 1/4" / ISI- NO BLOW FOR 38 MINS SURFACE BLOW THERE AFTER/ FF
 SURFACE BLOW BUILDING TO 2 1/4"/ FSI NO BLOW
 IH-1774, FH-1725/ IF 19 TO 36/ FF- 31 TO 45/ ISI- 505, FSI- 493
 RECOVERY- 60' WCM SHOW OF OIL 30% WATER, 70% MUD
 SAMPLER- 350 ML MUD/ 150 ML WATER/ 500 ML TOTAL

DST's Report

DST#2 3788' -3860' 10 60 30 120
 IF- SURFACE BLOW BUILDING TO 3/4" IN 8 MIN (NO BLOW FOR 8 MIN/ ISI- NO BLOW/ FF- SURFACE BLOW
 IN 9 MIN/ FSI- NO BLOW
 IH- 1881, FH- 1726/ IF-18 TO 24/ FF- 22 TO 32/ ISI- 901, FSI- 876
 RECOVERY- 15' MUD
 SAMPLER- NO FLUID/ 105 PSI

ROCK TYPES

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

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
- 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

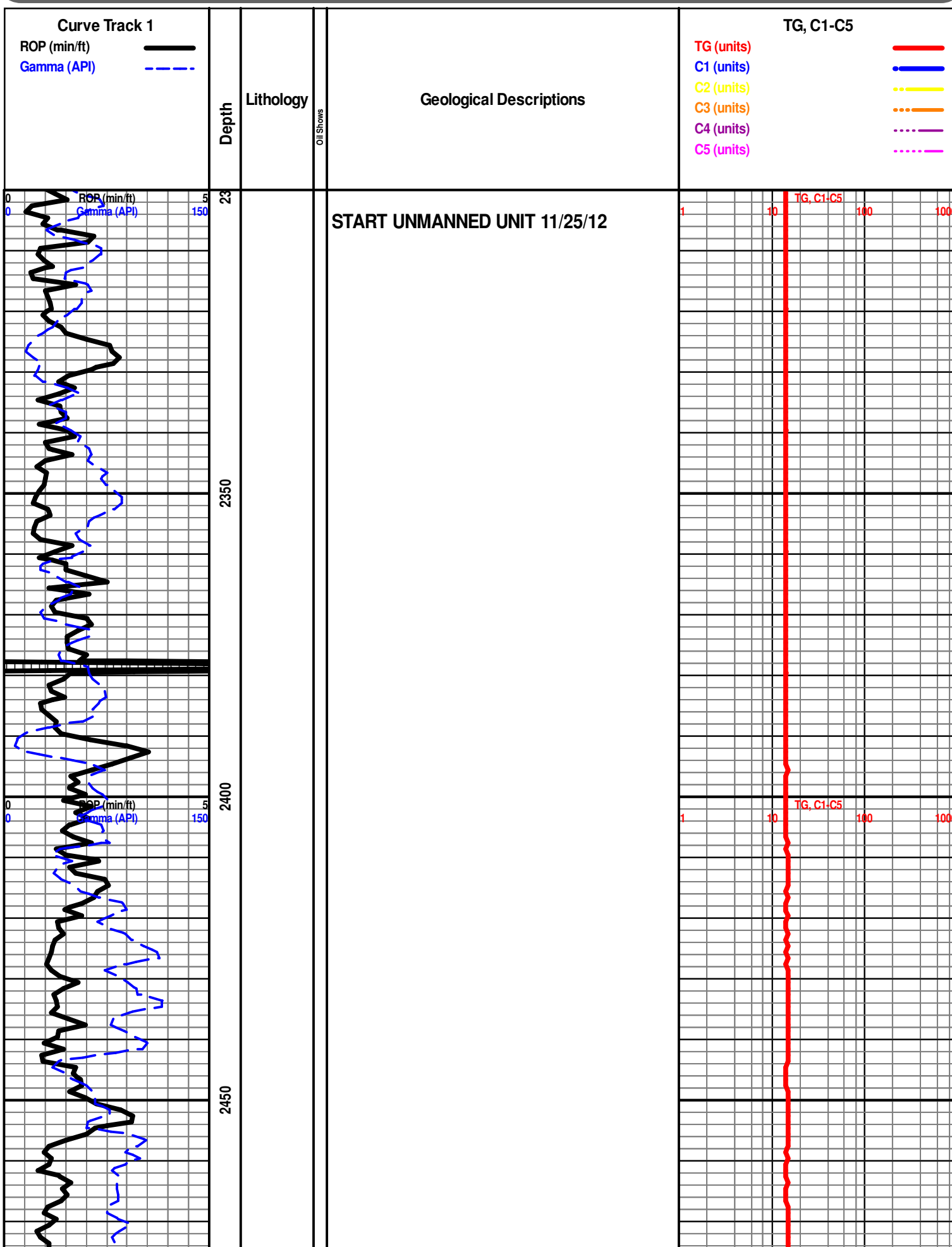
- Even
- Spotted
- Ques
- Dead
- Gas show

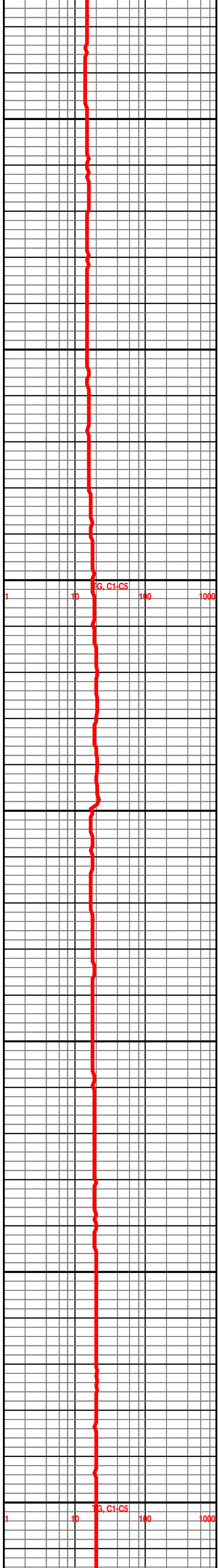
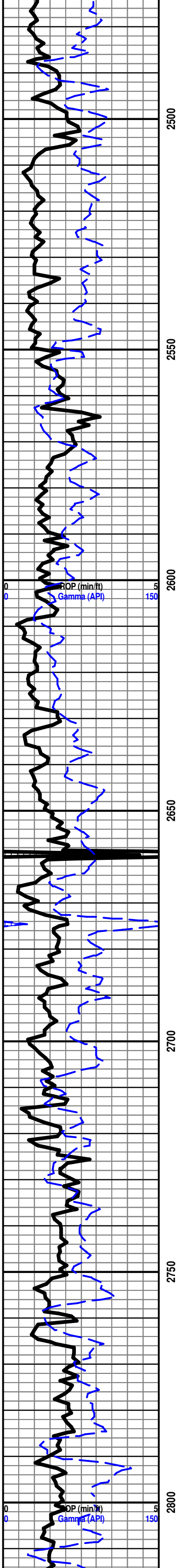
INTERVALS

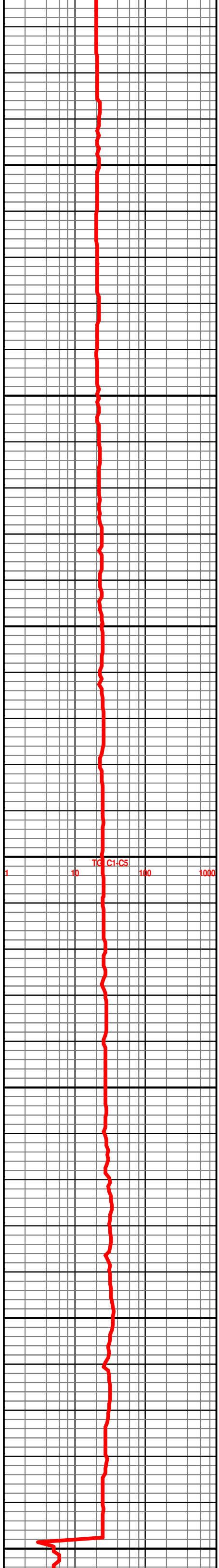
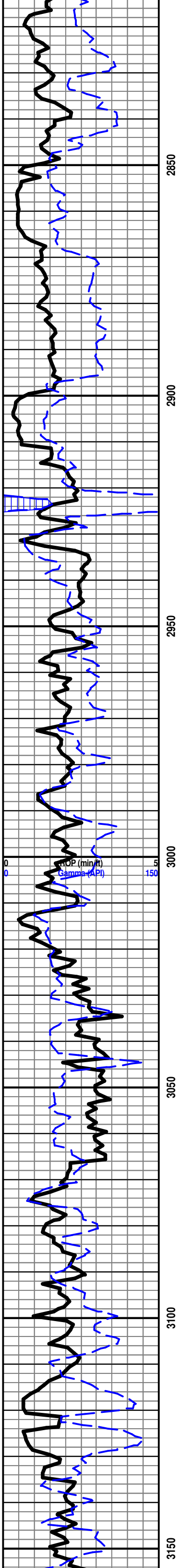
- Core
- Dst
- Dst

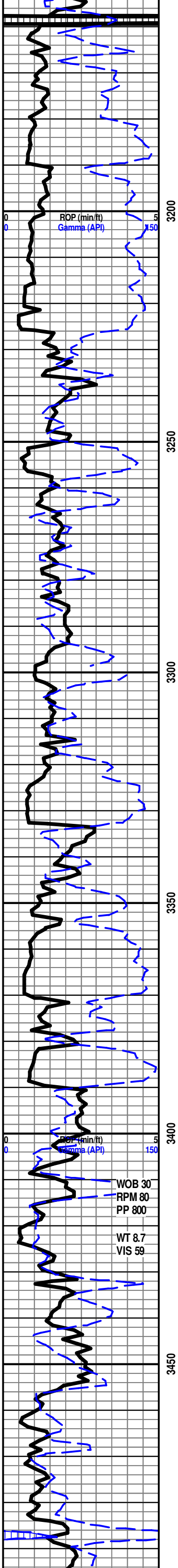
EVENTS

- Rft
- Sidewall









3200

3250

3300

3350

3400

3450

ROP (min/ft)
Gamma (API)

WOB 30
RPM 80
PP 800

WT 8.7
VIS 59

ELMONT 3226' -870'

START 24 HOUR MANNED UNIT 11/27/12

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

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

HOWARD 3333' -977'

LS- CRM TO LT TN, HD DNS TO BRIT, F XLN RE-XLN MTRX, S-CHLKY, IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- LT GY TO DK GY, FRM BLKY, SLTY TXT

SH- GRN RED LT GY TO GY, FRM BLKY, SLTY TXT

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

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

TOPEKA 3390' -1034'

LS- LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN RE-XLN MTRX, S-CHLKY IO, IMBD FOSS FRG THRU, TR IIMB DISS PYR IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO LT TN, HD DNS TO V/ BRIT, F XLN CHLKY MTRX, RE-XLN IP, ABTD IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

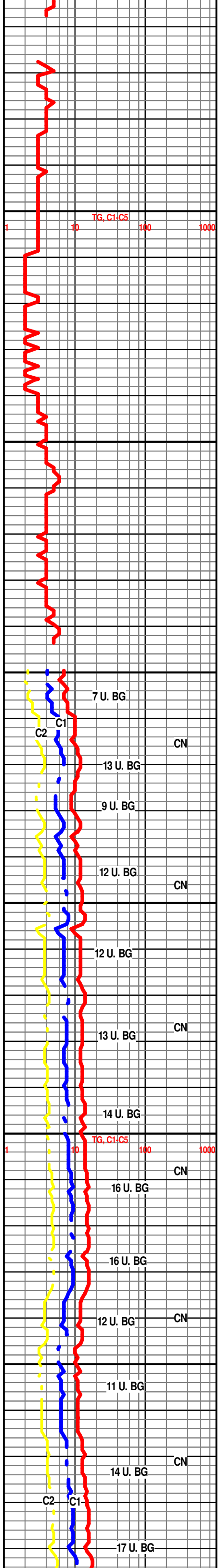
LS- OFF WHT TO LT TN, HD DNS TO V/BRIT, F XLN CHLKY MTRX, S-SUCRO, ABTD IMBD FOSS FRG THRU, ABTD SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT TN TO TN, HD DNS TO BRIT IP, F TO MD XLN RE-XLN MTRX, S-SUCRO, ABTD IMBD FOSS FRG THRU, SLI TR IMBD DISS PYR, NO VIS FLO, PR INTR FOSS POR IN 2%, NO VIS SHOW

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

LS- CRM TO TN, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY, ABTD IMBD FOSS FRG THRU, 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, F XLN RE-XLN MTRX, S-SUCRO, IMBD FOSS FRG THRU, TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW



TG, C1-C5

7 U. BG

13 U. BG

9 U. BG

12 U. BG

12 U. BG

13 U. BG

14 U. BG

16 U. BG

16 U. BG

12 U. BG

11 U. BG

14 U. BG

17 U. BG

C1
C2

CN

CN

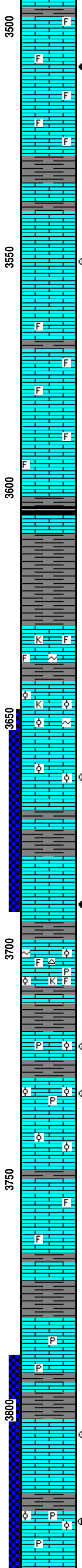
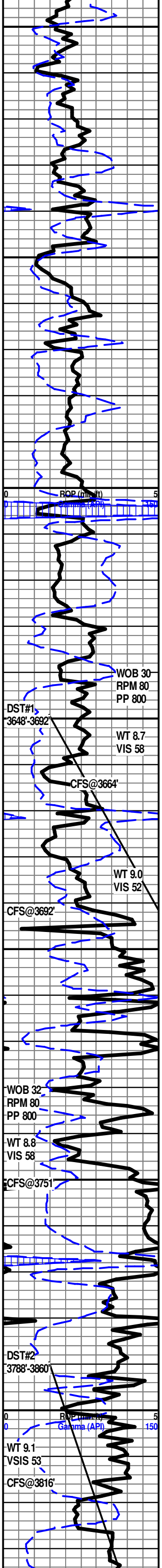
CN

CN

CN

CN

C2
C1



LE COMPTON 3497' -1141'

3508'-3510' LS- CRM TO LT TN W/ LT TN OIL STN IN 60%, HD DNS, F XLN SUCRO MTRX, SLI TR IMBD FOSS FRG IP, BRT YEL GLD FLO IN 70%, PR TO FR MICRO VUG POR IN 7%, GD FL SH CUT IN 70%, FR TO GD SLW STRM CUT IN 60%, LT TN LCH ON DISH, FLTNG OIL ODOR

LS- LT TN TO TN, HD DNS, V/F TO F XLN RE-XLN MTRX, S-SUCRO, IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT GY TO DK GY, FRM BLKY, SLTY TXT

LS- LT TN TO TN, HD DNS, V/F TO F XLN RE-XLN MTRX, NO VIS FLO, NO VIS POR, NO VIS SHOW

3549'-3553' LS- OFF WHT TO CRM W/ LT TN OIL STN IN 40%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD LG CALC XLS IP, DUL YEL GLD FLO IN 50%, V/PR MICRO VUG POR IN 3%, FR FL SH CUT IN 50%, FR TO GD SLW STRM CUT IN 50%, LT TN LCH ON DISH, WK OIL ODOR

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

LS- CRM TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, RE-XLN IP, IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

HEEBNER 3603' -1247'

SH- BLCK, SFT, CARB

SH- GRN LT GY TO GY, FRM BLKY TO SFT GMMY, SMTH TXT

LS- LT TN, HD DNS TO BRIT IP, F XLN RE-XLN MTRX, S-SUCRO, IMBD FOSS FRG IP, SLI TR IMBD KAOL OR GLAUC, NO VIS FLO, NO VIS POR, NO VIS SHOW

LANSING 3642' -1286'

LS- OFF WHT TO LT TN, HD DNS TO BRIT IP, F XLN RE-XLN MTRX, S-SUCRO IP, SCAT IMBD OOL IP, SLI TR IMBD KAOL OR GLAUC, NO VIS FLO, NO VIS POR, NO VIS SHOW

3660'-3664' LS- CRM TO LT TN W/ LT TN OIL STN IN 40%, DOS IN 30%, HD DNS, V/F TO F XLN RE-XLN MTRX, S-SUCRO IP, IMBD OOL IP, DUL YEL GLD FLO IN 40%, BRT YEL GLD FLO IN 15%, V/PR TO PR INTR OOL POR IN 5%, WK FL SH CUT IN 40%, PR TO FR SLW STRM IN 50%, LT TN LCH ON DISH, GD OIL ODOR

LANSING "C" 3680' -1323'

3689'-3691' LS- CRM TO TN W/ TN OIL STN IN 75%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD OOL THRU, SFT WHT CHLK IN TRAY, DUL YEL GLD FLO IN 40%, PR TO FR INTR OOL POR IN 5%, PR VUG POR IN 3%, PR TO FR FL SH CUT IN 40%, PR TO FR SLW STRM IN 70%, TN LCH ON DISH, FR OIL ODOR

LS- OFF WHT TO CRM, HD DNS, V/F TO F XLN RE-XLN MTRX, S-SUCRO IP, IMBD OOL IP, IMBD FOSS FRG IP, IMBD KAOL OR GLAUC IP, ORNG TO TN CHRT IN TRAY, SLI TR PYR IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LANSING "F" 3718' -1362'

3720'-3721' LS- CRM TO TN W/ TN OIL STN IN 35%, HD DNS TO BRIT IP, IMBD OOL IP, TR IMBD DISS PYR IP, DUL YEL GLD FLO IN 30%, PR TO FR VUG POR IN 4%, PR INTR OOL POR IN 2%, WK FL SH CUT IN 30%, PR TO FR SLW STRM IN 40%, LT TN LCH ON DISH, NO OIL ODOR

3730'-3731' LS- OFF WHT TO DK TN W/ TN OIL STN IN 50%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD OOL IP, IMBD DISS PYR IP, DUL YEL GLD FLO IN 25%, FR TO GD VUG POR IN 1%, PR MICRO VUG POR IN 5%, GD FL SH CUT IN 50%, GD SLW STRM IN 60%, DK TN LCH ON DISH, NO OIL ODOR

LS- OFF WHT TO CRM, HD DNS TO BRIT IP, F XLN RE-XLN MTRX, S-SUCRO IP, S-CHLKY IP IMBD OOL IP, TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- WHT TO OFF WHT, V/ HD DNS, V/F TO CRYPTO XLN, IMBD CALC XLS IP, TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LANSING "H" 3767' -1411'

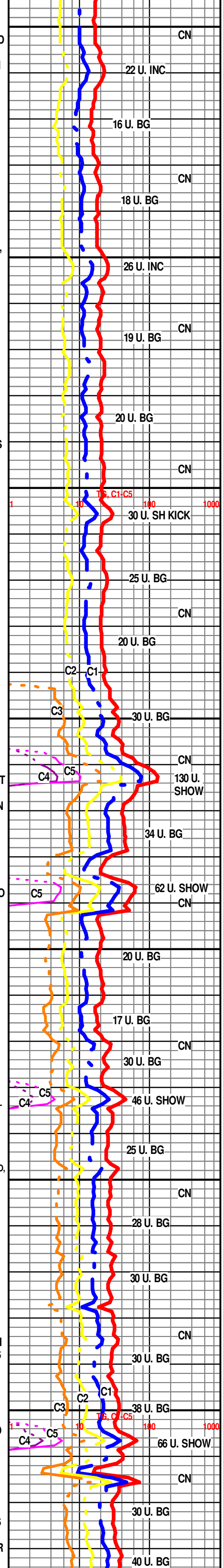
SH- BRWN GY TO DK GY, FRM BLKY, SMTH TO SLTY TXT

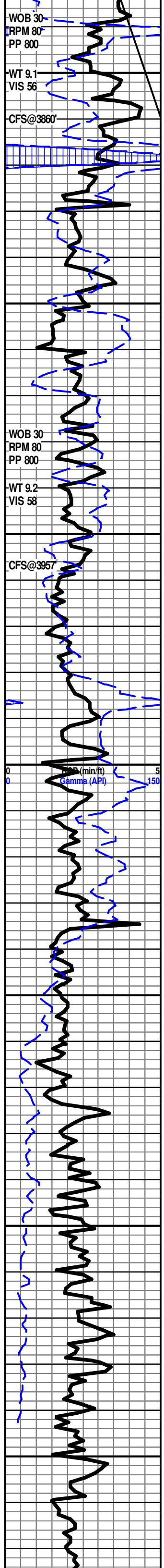
LS- CRM TO TN, V/HD DNS TO BRIT IP, V/F TO F XLN RE-XLN MTRX, S-SUCRO IP, SCAT IMBD CALC XLS IP, SLI TR IMBD DISS PYR IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- BRWN TO GY, FRM BLKY, SMTH TXT

3804'-3806' LS- LT TN TO TN W/ DK TN OIL STN IN 60%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, DUL YEL GLD FLO IN 55%, BRT YEL GLD FLO IN 5%, PR TO FR INTR XLN POR IN 5%, PR VUG POR IN 2%, FR FL SH CUT IN 40%, FR SLW STRM IN 60%, TN LCH ON DISH, NO OIL ODOR

3823'-3826' LS- CRM TO LT TN W/ TN OIL STN IN 20%, DOS IN 15%, HD DNS, V/F TO F XLN SUCRO MTRX, IMBD OOL IP, TR PYR IN TRAY, DUL YL GLD FLO IN 30%, V/PR TO PR VUG POR IN 4%, NO FL SH CUT, PR TO FR SLW STRM IN





30%, LT TN LCH ON DISH, NO OIL ODOR

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

3848'-3850' LS- OFF WHT TO TN W/ TN OIL STN IN 50%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, S-CHLKY, IMBD CALC XLS IP, DUL YEL GLD FLO IN 45%, PR TO FR INTR XLN POR IN 4%, FR TO GD VUG POR IN 1%, WK FLSH CUT IN 30%, FR SLW STRM IN 50%, TN LCH ON DISH, NO OIL ODOR

LS- LT TN TO TN, HD DNS TO BRIT IP, V/F TO F SUCRO MTRX, RE-XLN IP, ABDT IMBD FOSS FRG THRU, TR IMBD CALC XLS IP, SLI TR IMBD TN CHRT IP, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

BKC 3887' -1531'

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

SH- GRN RED BRWN TO GY, FRM BLKY TO SFT GMMY, SMTH TXT

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

SH- GRN RED BRWN TO GY, FRM BLKY TO SFT GMMY, SMTH TXT

TOP MARMATON 3949' -1593'

CHRT- FRSTY OFF WHT TN TO ORNG, V/HD DNS, V/TT TO CRYPTO XLN, TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

3965'-3967' CHRT- LT TN TO ORNG MOTTLD IP W/ TN OIL STN IN 75%, V/ HD DNS, V/F TO CRYPTO XLN SUCRO MTRX, BRT YEL GLD FLO IN 75%, V/TT INTR XLN POR IN 7%, WK FLS CUT IN 30%, PR SLW STRM IN 70%, NO LCH ON DISH, NO OIL ODOR

BASE MARMATON 3980' -1624'

LS- OFF WHT TO LT TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, S-CHLKY IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

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

CONG- LS- CRM TO LT TN, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY IP, SH- GRN BRW RED YEL TO GY, FRM BLKY TO SFT GMMY, SMTH TO SLTY TXT, CHRT- TN YEL ORNG TO RED MTTLD IP

ARBUCKLE 4035' -1679'

4039'-3040' DOLO- LT TN TO TN W/ DOS IN 25%, HD DNS TO BRIT IP, V/F TO F XLN RE-XLN MTRX, ABDT IMBD F S-ANG TO ANG DOLO GRNS THRU, DUL YEL GLD FLO IN 20%, V/PR INTR GRN POR IN 5%, NO FLSH CUT, V/WK SLOW STRM IN 10%, NO LCH ON DISH, NO OIL ODOR

4045'-4046" DOLO- CRM TO LT TN W/ TN OIL STN IN 30%, LOS IN 1%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD SM TO MD S-ANG TO ANG DOLO GRNS THRU, SLI TR IMBD KAOL OR GLAUC IP, DUL YEL GLD FLO IN 40%, PR TO FR INTR GRN POR IN 10%, GD INTR GRN POR IN 5%, PR FLSH CUT IN 30%, FR SLW STRM IN 40%, TN LCH ON DISH, NO OIL ODOR

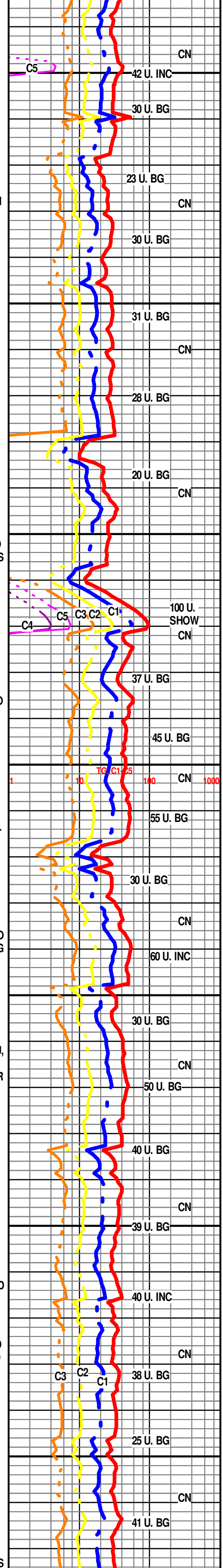
4054'-4055' DOLO- CRM TO LT TN W/ TN OIL STN IN 15%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD SM TO MD S-ANG TO ANG DOLO GRNS THRU, SLI TR IMBD KAOL OR GLAUC, BRT YEL GLD FLO IN 10%, PR TO FR INTR GRN POR IN 10%, PR FLSH CUT IN 10%, PR TO FR SLW STRM IN 15%, LT TN LCH ON DISH, NO OIL ODOR

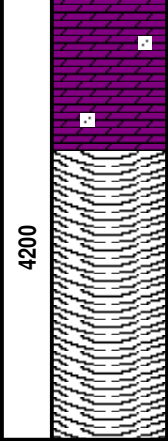
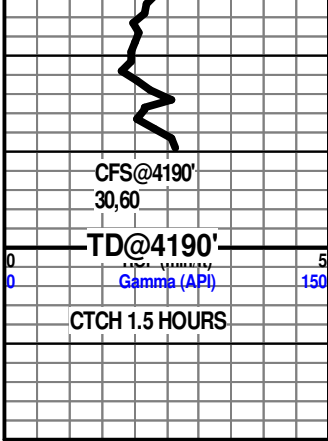
4064'-4066' DOLO- CRM TO LT TN W/ DK TN OIL STN IN 40%, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDRT IMBD SM TO MD S-ANG TO ANG DOLO GRNS THRU, TR IMBD DISS PYR IP, SLI TR IMBD KAOL OR GLAUC, DUL YEL GLD FLO IN 35%, BRT YEL GLD FLO IN 5%, FR TO GD INTR GRN POR IN 15%, FR FLSH CUT IN 30%, FR TO GD SLW STRM IN 40%, DK TN LCH ON DISH, NO OIL ODOR

4071'-4073' DOLO- CRM TO LT TN W/ TN OIL STN IN 5%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD V/SM TO CRS S-ANG TO ANG DOLO GRNS THRU, DUL YEL GLD FLO IN 5%, FR INTR GRN POR IN 5%, PR FLSH CUT IN 5%, PR TO FR SLW STRM IN 10%, NO LCH ON DISH, NO OIL ODOR

DOLO- WHT TO LT TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD SM TO CRS RND TO ANG DOLO GRNS THRU, NO VIS FLO, FR TO GD INTR GRN POR IN 10%, NO VIS SHOW

DOLO- WHT TO LT TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, ABDT IMBD SM TO MD S-RND TO ANG DOLO GRNS





THRU, TR IMBD SM TO LG ANG QRTZ GRNS IP, NO VIS FLO, PR TO FR INTR GRN POR IN 10%, NO VIS SHOW

R.T.D. 4190' @ 7:40 PM 11/30/13

DROP SURVEY

TOFL

WEATHERFORD/LIBERAL

