



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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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	Sandra Leas 1-25
Doc ID	1065313

All Electric Logs Run

DEN
IND
MICRO
SON
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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 14, 2011

NEIL SHARP
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-051-26135-00-00
Sandra Leas 1-25
NW/4 Sec.25-15S-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 at 303-863-4673.

Respectfully,
NEIL SHARP



Notice: Fill out COMPLETELY and return to Conservation Division at the address below within 60 days from plugging date.

KANSAS CORPORATION COMMISSION 1059150
OIL & GAS CONSERVATION DIVISION
WELL PLUGGING RECORD
 K.A.R. 82-3-117

Form CP-4
 March 2009

Type or Print on this Form
Form must be Signed
All blanks must be Filled

OPERATOR: License #: _____
 Name: _____
 Address 1: _____
 Address 2: _____
 City: _____ State: _____ Zip: _____ + _____
 Contact Person: _____
 Phone: (_____) _____
 Type of Well: (Check one) Oil Well Gas Well OG D&A Cathodic
 Water Supply Well Other: _____ SWD Permit #: _____
 ENHR Permit #: _____ Gas Storage Permit #: _____
 Is ACO-1 filed? Yes No If not, is well log attached? Yes No
 Producing Formation(s): List All (If needed attach another sheet)
 _____ Depth to Top: _____ Bottom: _____ T.D. _____
 _____ Depth to Top: _____ Bottom: _____ T.D. _____
 _____ Depth to Top: _____ Bottom: _____ T.D. _____

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
 County: _____
 Lease Name: _____ Well #: _____
 Date Well Completed: _____
 The plugging proposal was approved on: _____ (Date)
 by: _____ (KCC District Agent's Name)
 Plugging Commenced: _____
 Plugging Completed: _____

Show depth and thickness of all water, oil and gas formations.

Oil, Gas or Water Records		Casing Record (Surface, Conductor & Production)			
Formation	Content	Casing	Size	Setting Depth	Pulled Out

Describe in detail the manner in which the well is plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same depth placed from (bottom), to (top) for each plug set.

Plugging Contractor License #: _____ Name: _____
 Address 1: _____ Address 2: _____
 City: _____ State: _____ Zip: _____ + _____
 Phone: (_____) _____
 Name of Party Responsible for Plugging Fees: _____
 State of _____ County, _____, ss.
 _____ Employee of Operator or Operator on above-described well,
 (Print Name)

being first duly sworn on oath, says: That I have knowledge of the facts statements, and matters herein contained, and the log of the above-described well is as filed, and the same are true and correct, so help me God.

Submitted Electronically

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



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: 6/24/2011
 Invoice # 4856

P.O.#:

Due Date: 7/24/2011

Division: Russell

Invoice

Contact:

Samuel Gary Jr & Associates Inc
 Address/Job Location:
 Samuel Gary Jr & Associates Inc
 3111 W. 10th Street
 Great Bend, KS 67503

Reference:

SANDRA LEAS 1-25

Description of Work:

CONDUCTOR SURFACE

DRLG COMP W/O LOE GG

Account	8200-138
Well/Prospect	SANDRA LEAS 1-25
Deck	
AFE	
Approval	
Description	

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 517.89	No				
Common-Class A	90	\$ 1,245.49	Yes				
Bulk Truck Matl-Material Service Charge	95	\$ 215.52	No				
Pump Truck Mileage-Job to Nearest Camp	19	\$ 215.09	No				
Calcium Chloride	3	\$ 128.16	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	19	\$ 125.87	No				
Premium Gel (Bentonite)	2	\$ 36.93	Yes				

Invoice Terms:

Net 30

	SubTotal:	\$	2,484.95
	Discount Available <u>ONLY</u> if Invoice is Paid & Received within listed terms of invoice:	\$	(372.74)
<hr/>			
	SubTotal for Taxable Items:	\$	1,199.00
	SubTotal for Non-Taxable Items:	\$	913.21
<hr/>			
	Total:	\$	2,112.21
	Tax:	\$	75.54
<hr/>			
	Amount Due:	\$	2,187.74
	Applied Payments:		
	Balance Due:	\$	2,187.74

6.30% Ellis County Sales Tax

Thank You For Your Business!

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

Federal Tax I.D.# 20-2886107

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

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

No. 4856

Date	6-20-11	Sec.	25	Twp.	16	Range	15	County	Finis	State	KS	On Location		Finish	9:30pm
Lease	Sandra lease		Well No.	1-25		Location Cocharan 5 mi. N. of RR 20225 E. 1/2									
Contractor	Val #6							Owner							
Type Job	Conductor							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	17 1/2		T.D.	97											
Csg.	13 3/8 39.54		Depth	97											
Tbg. Size								Charge To Sam Casey Jr & Assoc							
Tool								Street							
Cement Left in Csg.	10-15		Shoe Joint												
Meas Line								The above was done to satisfaction and supervision of owner agent or contractor.							
								Cement Amount Ordered 120 Com 3 1/2 2 1/2							

EQUIPMENT

Pumptrk	5	No.	Cementer	Chris	Common	90
			Helper			
Bulktrk		No.	Driver	Mark	Poz. Mix	
			Driver			
Bulktrk	3	No.	Driver	Mark	Gel.	2
			Driver			

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
13 3/8 on bottom Bss. Circulation	Sand
Mix 100% K & D space	Handling 95
	Mileage

Cement Circulated!

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	19 miles
Mileage	Conductor Surface

X Signature

Tax
Discount
Total Charge

THANKS!
[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: 6/24/2011
 Invoice # 3845

P.O.#:
 Due Date: 7/24/2011
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 3111 W. 10th Street
 Great Bend, KS 67503

Reference:
 SANDRA LEAS 1-25

Description of Work:
 LONG SURFACE JOB

DRLG COMP W/O LOB GG

Account	8200-138
Well/Prospect	SANDRA LEAS 1-25
Deck	
AFE	<i>[Signature]</i>
Approval	<i>[Signature]</i>
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 950.65	No	Baffle Plate Aluminum, 8 5/8"	1	\$93.70	Yes
Common-Class A	370	\$ 4,699.51	Yes				
8 5/8" Basket	3	\$ 986.96	Yes				
Bulk Truck Mat-Material Service Charge	390	\$ 812.05	No				
Calcium Chloride	13	\$ 509.70	Yes				
8 5/8" Centralizer	3	\$ 199.89	Yes				
Flo Seal	90	\$ 187.40	Yes				
Pump Truck Mileage-Job to Nearest Camp	19	\$ 197.41	No				
Premium Gel (Bentonite)	7	\$ 118.64	Yes				
8 5/8" Top Rubber Plug	1	\$ 110.36	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	19	\$ 115.52	No				

Invoice Terms:

Net 30

SubTotal: \$ 8,981.78

Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (1,347.27)

SubTotal for Taxable Items:	\$ 5,870.23
SubTotal for Non-Taxable Items:	\$ 1,764.29
Total:	\$ 7,634.52
Tax:	\$ 369.82

6.30% Ellis County Sales Tax

Thank You For Your Business!

Amount Due: \$ 8,004.34

Applied Payments:

Balance Due: \$ 8,004.34

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. 3845

Date	6-22-11	Sec.	25	Twp.	15	Range	16	County	Ellis	State	KS	On Location		Finish	3:00AM	
Lease	Sandra Leas			Well No.	1-25			Location	Gorham St to Mitchell rd 2 W 25 E into							
Contractor	Ugl #6							Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job	Lug Surface							Hole Size	12 1/4	T.D.	905'					
Csg.	8 5/8 24bb							Depth	902'							
Tbg. Size								Charge To	Sam Gory Jr.							
Tool								Street								
Cement Left in Csg.	42.27'							Shoe Joint	42.27							
Meas Line								Displace	54.68bbs							
								Cement Amount Ordered	370 com 3000 Jgel							

EQUIPMENT

Pumptrk	9	No.	Cementer	Brandon	Common	370
			Helper			
Bulktrk	13	No.	Driver	Rick	Poz. Mix	
			Driver			
Bulktrk	14	No.	Driver	Matt	Gel.	7
			Driver			

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal 90#
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
Cement die Circ 50	Sand
	Handling 390
	Mileage

FLOAT EQUIPMENT

Thank you's	Guide Shoe
	Centralizer - 3
	Baskets - 3
	AFU Inserts
	Float Shoe
	Latch Down
	1 - 8 5/8 baffle plate
	1 - 8 5/8 head & manhole
	Pumptrk Charge Lug Surface
	Mileage 19

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: 6/30/2011
 Invoice # 4972

P.O.#:
 Due Date: 7/30/2011
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 3111 W. 10th Street
 Great Bend, KS 67503

DRLG COMP W/O LOB GG

Account	8200-145
Well/Prospect	SANDRA LEAS
Deck	
AFE	<i>[Handwritten Signature]</i>
Approval	
Description	

1-25

Reference:
 SANDRA LEASE 1-25

Description of Work:
 PLUG JOB

Services / Items Included:

	Quantity	Price	Taxable
Labor		\$ 937.80	No
Common-Class A	120	\$ 1,503.57	Yes
Bulk Truck Matl-Material Service Charge	207	\$ 425.19	No
POZ Mix-Standard	80	\$ 377.95	Yes
Pump Truck Mileage-Job to Nearest Camp	19	\$ 194.74	No
Premium Gel (Bentonite)	7	\$ 117.04	Yes
Bulk Truck Mileage-Job to Nearest Bulk Plant	19	\$ 113.96	No
Flo Seal	50	\$ 102.70	Yes
Dry Hole Plug	1	\$ 57.51	Yes

Item	Quantity	Price	Taxable
------	----------	-------	---------

SubTotal: \$ 3,830.46

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (574.57)

SubTotal for Taxable Items: \$ 1,834.95

SubTotal for Non-Taxable Items: \$ 1,420.94

Total: \$ 3,255.89

Tax: \$ 115.60

6.30% Ellis County Sales Tax

Amount Due: \$ 3,371.49

Applied Payments:

Balance Due: \$ 3,371.49

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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RECEIVED

JUL 13 2011

SAMUEL GARY JR.
 & ASSOCIATES, INC.

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 4972

Date	6-27-11	Sec.	25	Twp.	13	Range	16	County	Ellis	State	Ks	On Location	Finish	5:15 PM
Lease	Sandra Lease		Well No.	#1-25		Location	Gocham, Ks -							
Contractor	Wal Energy Rig #6					Owner	To Quality Oilwell Cementing, Inc.							
Type Job	Plug					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.	3460'		Charge To	Sam Gary Sr. + Associates							
Csg.			Depth			Street								
Tbg. Size	4 1/2" DP.		Depth	3341'		City	State							
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.			Shoe Joint			Cement Amount Ordered 200 sx 60/40 4% Gel 4# F.S.								
Meas Line			Displace	126 / mud										

EQUIPMENT

Pumptrk	1	No.	Cementer	Cisco	Common	120
Bulktrk	3	No.	Driver	Cory	Poz. Mix	80
Bulktrk	pin.	No.	Driver	Rick	Gel.	7

JOB SERVICES & REMARKS

Remarks	Cement did Circulate.					
Rat Hole	Salt					
Mouse Hole	Flowseal 50 #					
Centralizers	Kol-Seal					
Baskets	Mud CLR 48					
DV or Port Collar	CFL-117 or CD110 CAF 38					
	3341' - 25 sx					
	950' - 40 sx					
	300' - 80 sx					
	40' - 10 sx + wiper plug					
	Rathole - 30 sx					
	Mousehole - 15 sx					
	200 sx 60/40 4% Gel 4# F.S.					
	Cement did Circulate.					

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	1- Dry hole plug
Pumptrk Charge	plug
Mileage	19

Tax
Discount
Total Charge

X Signature *[Handwritten Signature]*



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

Sandra Leas #1-25

1515 Wynkoop st
suite 700
Denver Co 80202
ATTN: Neil D sharp

25-15s-16w-Ellis

Job Ticket: 43825

DST#: 1

Test Start: 2011.06.25 @ 17:36:13

GENERAL INFORMATION:

Formation: **Lansing-H&J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:36:43

Time Test Ended: 01:10:13

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3214.00 ft (KB) To 3270.00 ft (KB) (TVD)

Reference Elevations: 1810.00 ft (KB)

Total Depth: 3270.00 ft (KB) (TVD)

1800.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8321

Inside

Press @ Run Depth: 43.60 psig @ 3252.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.25

End Date:

2011.06.26

Last Calib.:

2011.06.26

Start Time: 17:36:14

End Time:

01:09:13

Time On Btm:

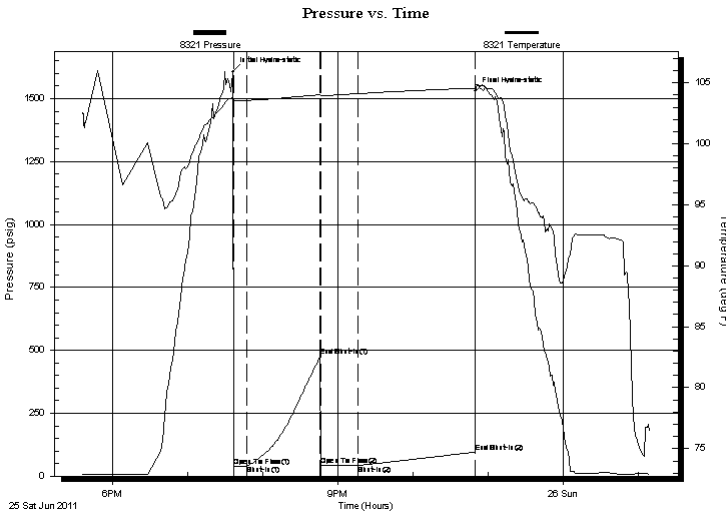
2011.06.25 @ 19:36:13

Time Off Btm:

2011.06.25 @ 22:49:43

TEST COMMENT: IFP-10 min-Weak surface blow
ISI-60 min Dead no blow back
FFP-30 min-Dead no blow
FSI-90 min-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1606.15	103.80	Initial Hydro-static
1	38.12	103.51	Open To Flow (1)
11	41.03	103.56	Shut-In(1)
70	476.12	104.03	End Shut-In(1)
70	41.53	103.93	Open To Flow (2)
100	43.60	104.12	Shut-In(2)
193	95.77	104.57	End Shut-In(2)
194	1529.19	104.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	OCM 10%O90%M	0.11

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates

Sandra Leas #1-25

1515 Wynkoop st
suite 700
Denver Co 80202
ATTN: Neil D sharp

25-15s-16w-Ellis

Job Ticket: 43825

DST#: 1

Test Start: 2011.06.25 @ 17:36:13

Tool Information

Drill Pipe:	Length: 3190.00 ft	Diameter: 3.80 inches	Volume: 44.75 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 44.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3214.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:
500 ML Of fluid 50 ML of Oil 450 ML of mud

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8737	Fluid	3179.00	
Drill Pipe	5.00			3184.00	
Shut In Tool	5.00			3189.00	
Sampler	3.00			3192.00	
Hydraulic tool	5.00			3197.00	
Jars	5.00			3202.00	
Safety Joint	3.00			3205.00	
Packer	4.00			3209.00	35.00 Bottom Of Top Packer
Packer	5.00			3214.00	
Stubb	1.00			3215.00	
Perforations	4.00			3219.00	
Change Over Sub	1.00			3220.00	
Drill Pipe	31.00			3251.00	
Change Over Sub	1.00			3252.00	
Recorder	0.00	8321	Inside	3252.00	
Recorder	0.00	8679	Outside	3252.00	
Perforations	15.00			3267.00	
Bullnose	3.00			3270.00	56.00 Bottom Packers & Anchor

Total Tool Length: 91.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

Sandra Leas #1-25

1515 Wynkoop st
suite 700
Denver Co 80202
ATTN: Neil D sharp

25-15s-16w-Ellis

Job Ticket: 43825

DST#: 1

Test Start: 2011.06.25 @ 17:36:13

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.19 in³

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
8.00	OCM 10%O90%M	0.112

Total Length: 8.00 ft Total Volume: 0.112 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

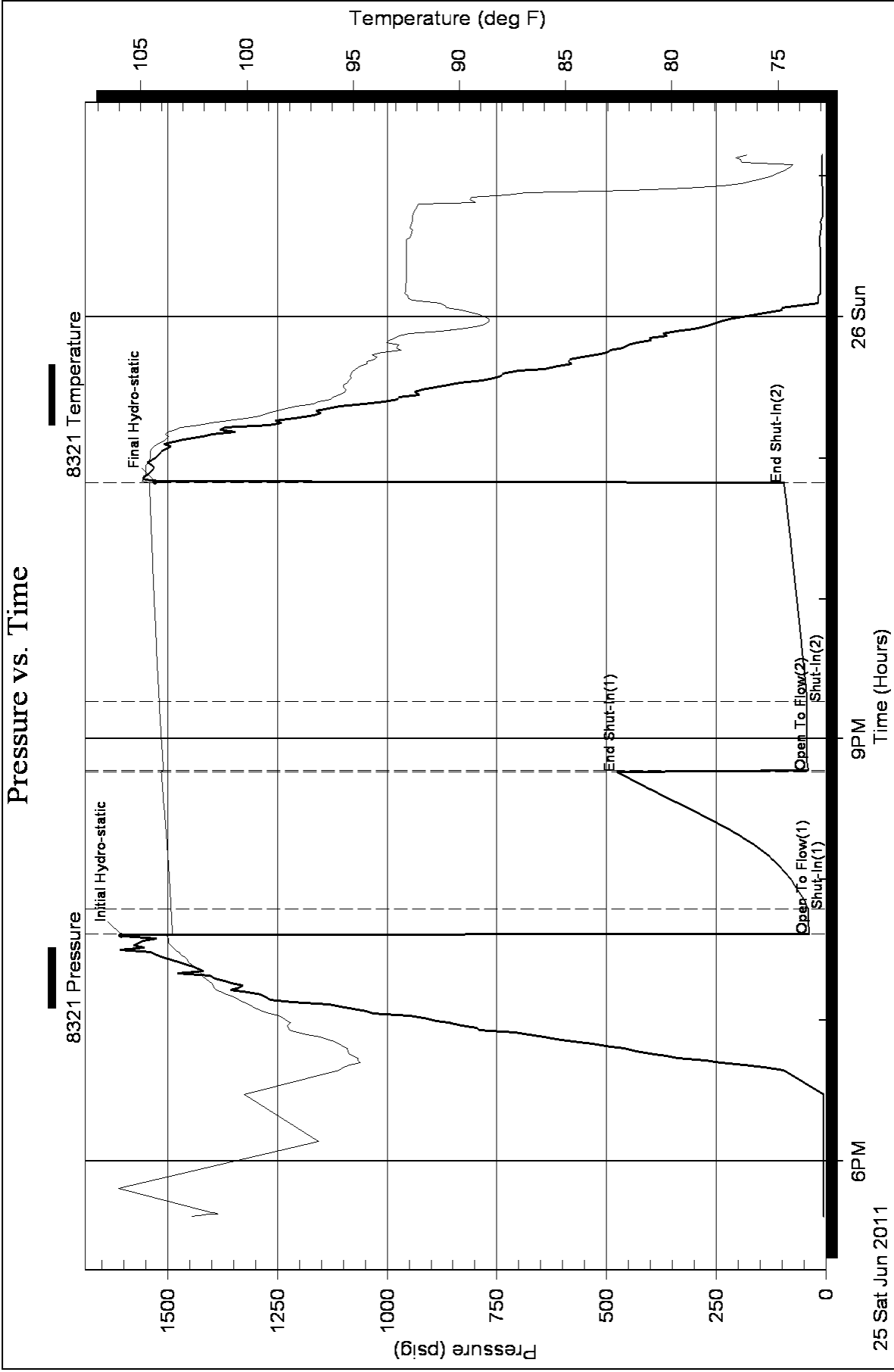
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

Sandra Leas #1-25

1515 Wynkoop st
suite 700
Denver Co 80202
ATTN: Neil D sharp

25-15s-16w-Ellis

Job Ticket: 43825

DST#: 1

Test Start: 2011.06.25 @ 17:36:13

GENERAL INFORMATION:

Formation: **Lansing-H&J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:36:43

Time Test Ended: 01:10:13

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3214.00 ft (KB) To 3270.00 ft (KB) (TVD)

Reference Elevations: 1810.00 ft (KB)

Total Depth: 3270.00 ft (KB) (TVD)

1800.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8321

Inside

Press @ Run Depth: 43.60 psig @ 3252.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.25

End Date:

2011.06.26

Last Calib.:

2011.06.26

Start Time:

17:36:14

End Time:

01:09:13

Time On Btm:

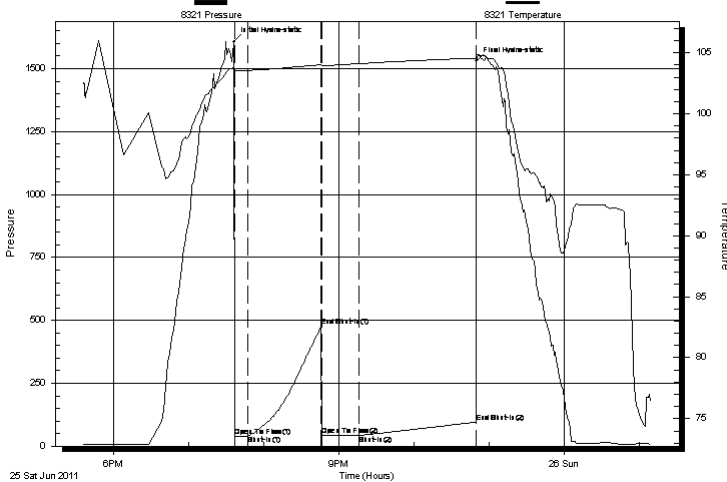
2011.06.25 @ 19:36:13

Time Off Btm:

2011.06.25 @ 22:49:43

TEST COMMENT: IFP-10 min-Weak surface blow
ISI-60 min Dead no blow back
FFP-30 min-Dead no blow
FSI-90 min-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1606.15	103.80	Initial Hydro-static
1	38.12	103.51	Open To Flow (1)
11	41.03	103.56	Shut-In(1)
70	476.12	104.03	End Shut-In(1)
70	41.53	103.93	Open To Flow (2)
100	43.60	104.12	Shut-In(2)
193	95.77	104.57	End Shut-In(2)
194	1529.19	104.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	OCM 10%O90%M	0.11

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

Sandra Leas #1-25

1515 Wynkoop st
suite 700
Denver Co 80202
ATTN: Neil D sharp

25-15s-16w-Ellis

Job Ticket: 43825

DST#: 1

Test Start: 2011.06.25 @ 17:36:13

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 10.19 in³

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	OCM 10%O90%M	0.112

Total Length: 8.00 ft Total Volume: 0.112 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

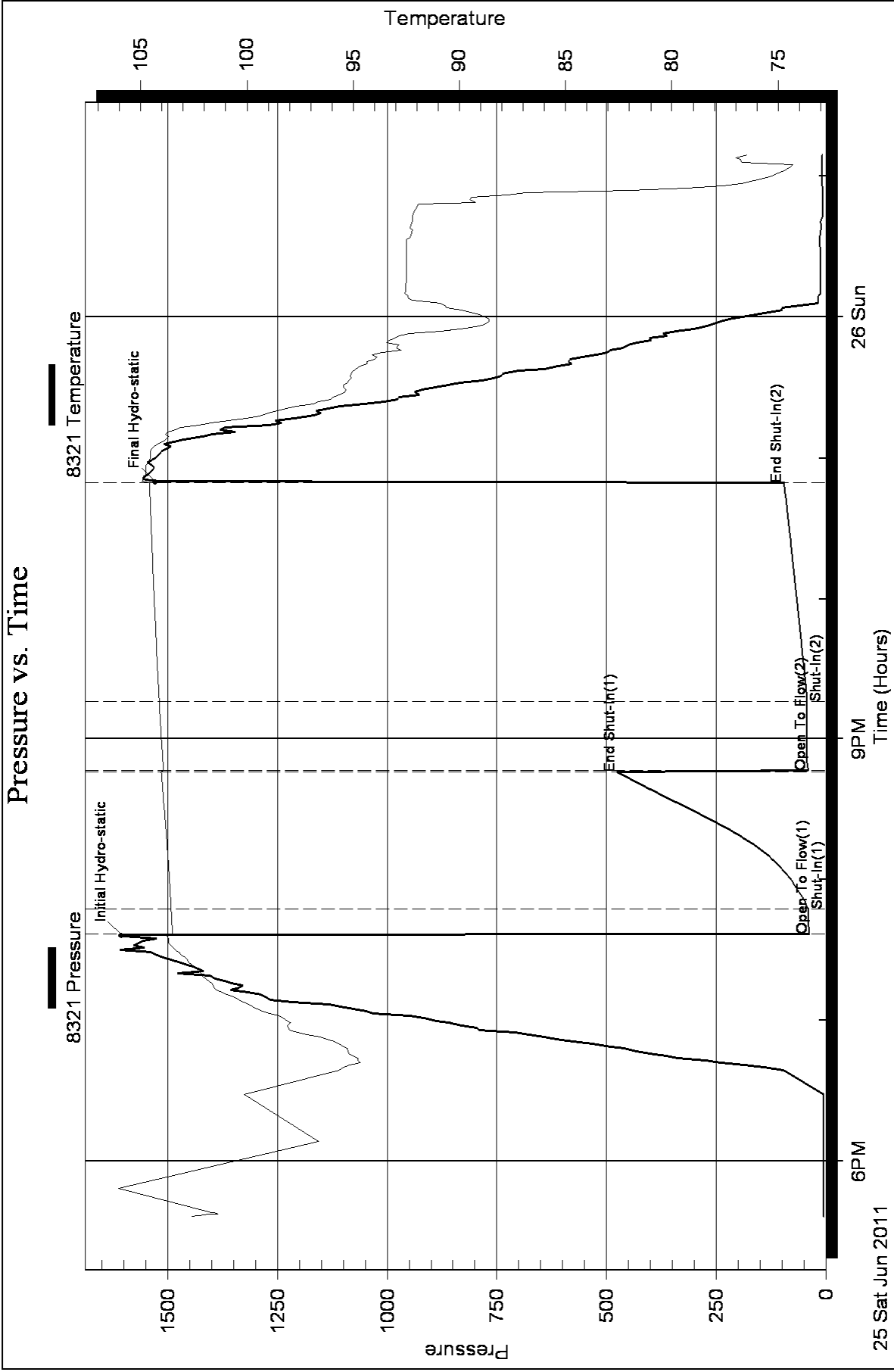
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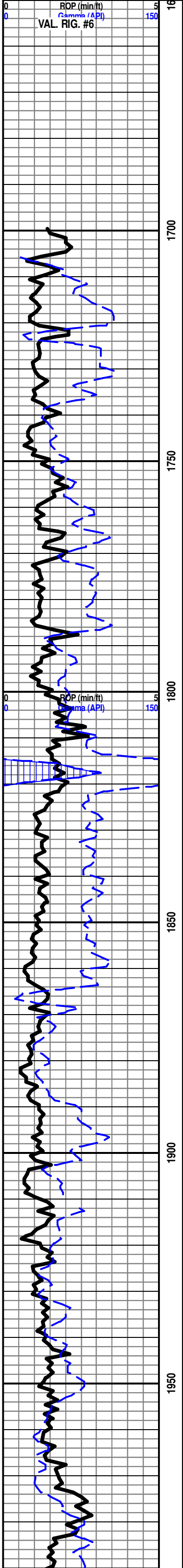
Laboratory Name:

Laboratory Location:

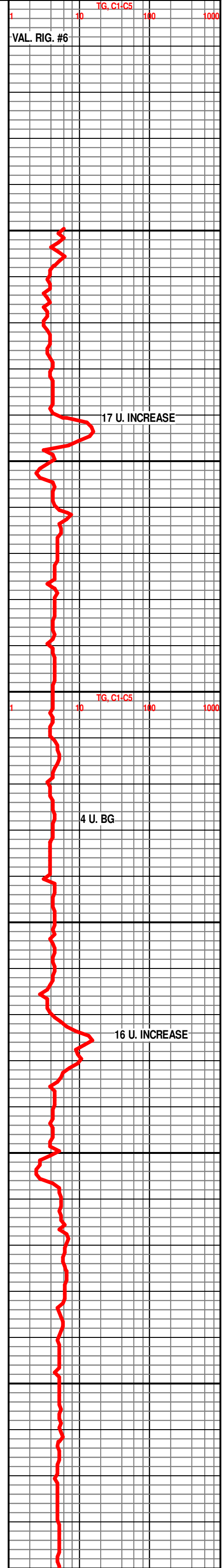
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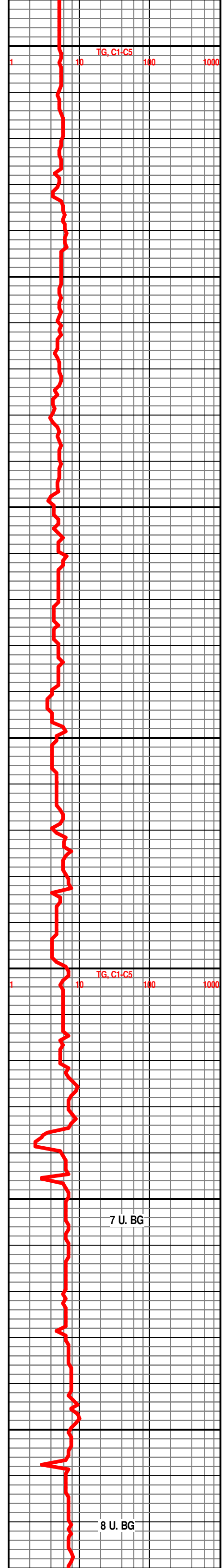
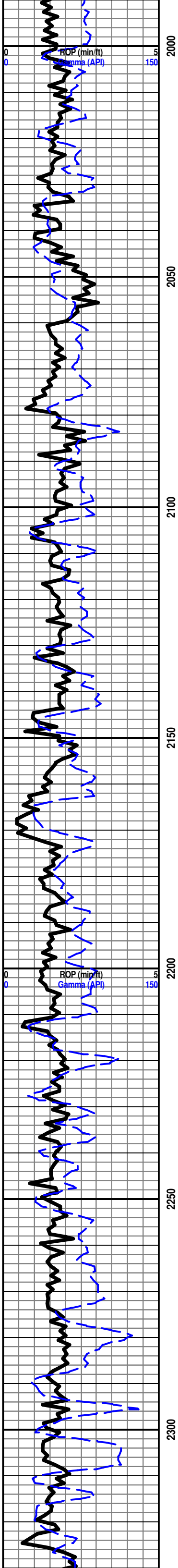
Pressure vs. Time

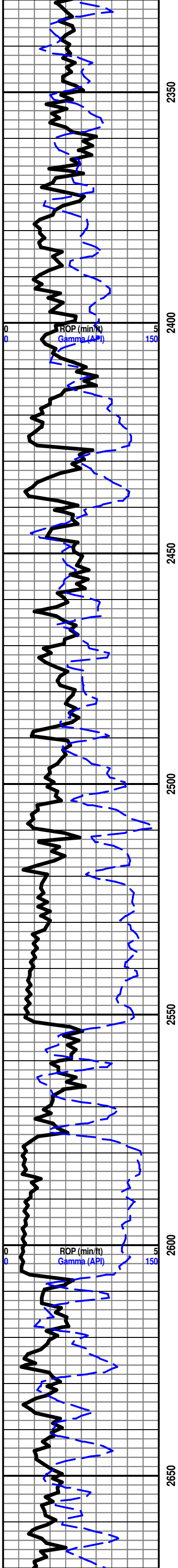




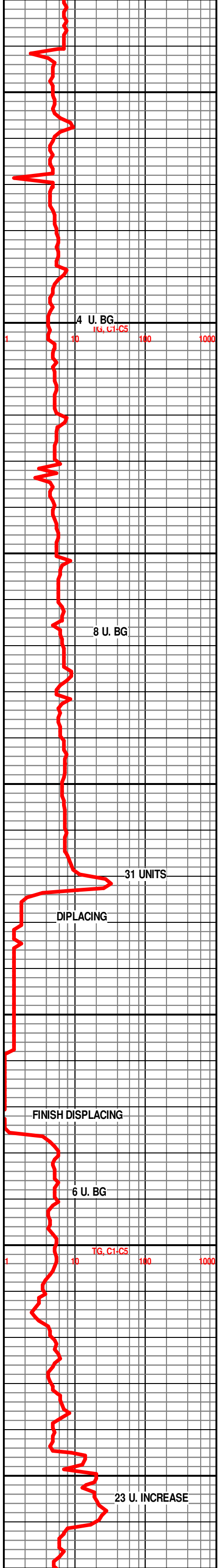
Start Unmanned Unit on 6/23/2011

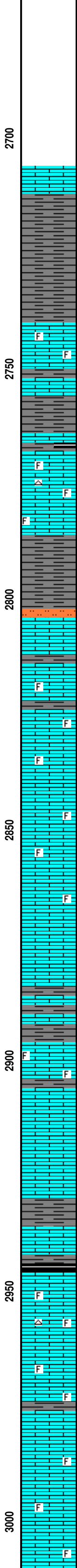
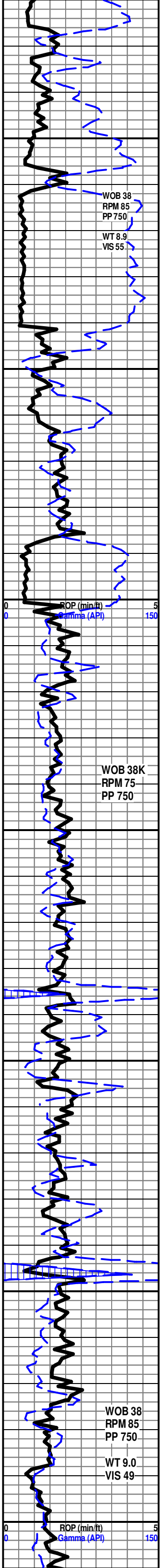






BASE ROOT SH. 2551' - 741'





START MANNED UNIT 6/24/2011

SH- GY LT GRN FRM BLKY IP, TO V/ GMMY TXT TO SLI SLTY

HOWARD 2741' - 931'

LS- BRN TO DRK BRN HD DNS TO BRITT IP ABDT IMBD FOSS FRGS IP LT YEL MIN FLO NO VIS POR, NO VIS SHOW

SH- GY LT GRN FRM BLKY IP, TO V/ GMMY TXT TO SLI SLTY, BLK SFT CARB IP

LS- TN LT BRN HD DNS MD TO F-XLN FOSS FRGS IP W/ TN CHRT LT YEL MIN FLO NO VIS POR, NO VIS SHOW

SEVERY 2787' - 977'

SH- LT GRN TO LT GRY, V/ SFT TO SLTY TXT

TOPEKA 2801' - 991'

SLTST- LT GRY CRM, V/ FRI ABDT IMBD DISS SH LOOSE CALC CMNT, SIL CMNT IP, NO FLO NO VIS POR NO VIS CUT, SLI GAS BUBBLNG OUT OF ROCK

LS- CRM LT TN- HD DNS F-V/F-XLN RE-XLN IP, TR FOSS FRGS SCAT THRU, SLI TR S-CHLKY IP, LT YEL MIN FLO THRU, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN- HD DNS F-V/F- XLN , RE-XLN IP, ABDT IMBD FOSS FRGS IP, SLI TR LT YEL MN FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN LT GY IP, HD DNS, F-V/F-XLN RE RE-XLN IP, TR FOSS FRGS IP, SLI TR SH, NO FLO, NO VIS POR, NO VIS SHOW

LS- LT TN BRN- HD DNS F-V/F-XLN, MOTT, TR IMBD GY SH IP, SLI TR CRYPTO-XLN IP, NO FLO, NO VIS POR, NO VIS SHOW

SH- LT TO MD GY- FRM BLKY BLKY SMTH TXT V/ CALC IP, SLI TR CARB IP

LS- LT TN TN- HD DNS TO BRITT, MD-F-XLN RE-XLN MTRX, FOSS FRGS THRU, TR SUCRO IP, NO FLO, PR VIS MICRO PP POR, NO VIS SHOW

LS- CRM LT TN TN - HD DNS TO BRITT, MD-F-XLN RE-XLN MTRX, SLI TR SUCRO IP, LT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

SH- DK GY TO BLK - HD SPLNTY TO FRM BLKY SMTH TXT

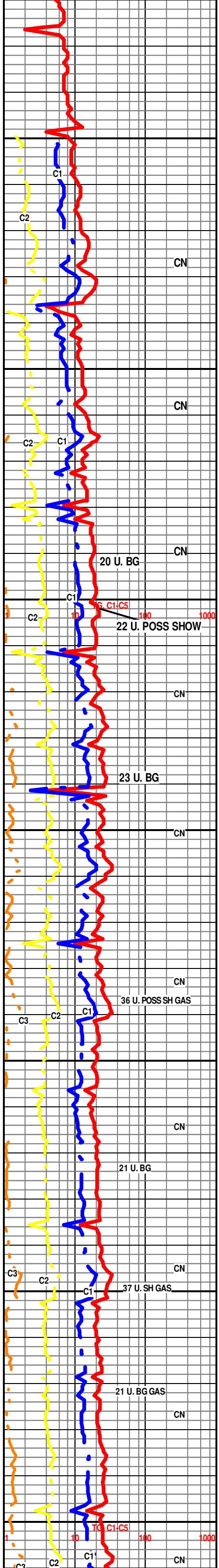
SH- BLK SFT CARB TO V/ DK GY GMMY IP

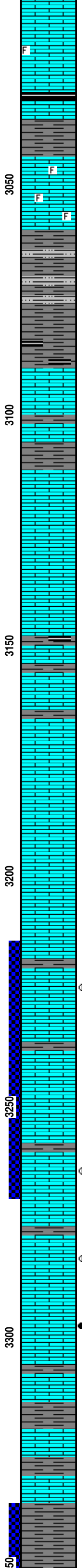
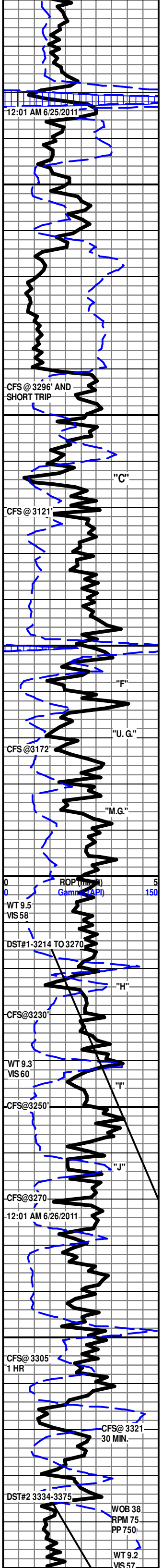
LS- LT TN TN- HD DNS MD-F-XLN RE-XLN MTRX, FOSS FRGS IMBD IP, TR CHRT, NO FLO, NO VIS POR, NO VIS SHOW

LS- CRM BFF- HD DNS TO BRITT, MD-XLN TO SUCRO IP, TR FOSS FRGS IP, SLI TR AREN LOOKING TXT, NO FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN TN- HD DNS TO BRITT MD-XLN RE-XLN MTRX TO SUCRO S-CHLKY IP, FOSS IMBD IP, LT YEL MN FLO SCAT, SMLL CALC XLS IMBD IP, NO VIS POR, NO VIS HOW

LS- OFF WHT CRM BFF- HD TO BRITT MD-XLN TO SUCRO





LS- OFF WHT CRM BFF- HD TO BRITT, MD-XLN TO SUCRO S-CHLKY MTRX IP, TR FOSS FRGS IP, TR SM; CALC XLS IP, NO FLO, TR MICRO PP POR IP, NO VIS SHOW

HEEBNER 3028' - 1218'

SH- BLK SFT CARB

LS- CRM LT TN TN- HD DNS F-XLN RE-XLN IP , TR FOSS FRGS IP, TR MIN IP, NO FLO, NO VIS POR, NO VIS SHOW

SH- SH - LT GRN , FRM BLKY SMTH TXT

LS- CRM BFF OFF WHT- HD TO MD HD, MD-XLN TO SUCRO S-CHLKY IP, TR FOSS FRGS SCAT THRU, LT YEL MIN FLO , NO VIS POR, NO VIS SHOW

DOUGLAS 3060' - 1250'

SH- LT GRN LT GY- V/ SFT SLTY TO V/ SFT GMMY THRU

SH- GY GRN- V/ SFT GMMY , TR SLTY , FNLY DISS CARB SH IP

LANSING 3090' - 1280'

LS- CRM LT TN- HD DNS F-XLN TO TT SUCRO MTRX , SLI TR IMBD SH , NO FLO, NO VIS POR, NO VIS SHOW

SH- LT GRN TO L GY- V/ SFT GMMY TXT

3113- 3115 LS- OFF WHT CRM BFF- HD DNS F-XLN IP GRDNG TO V/ SFT SUCRO S-CHLKY MTRX TO CHLKY MTRX, LT BRIT YEL MIN FLO IP NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN- HD DNS TO BRITT IP, MD-F-XLN SLI RE-XLN IP, FOSS FRGS IP, V/ DLL YEL FLO IP, NO VIS POR, NO VIS SHOW

SH- LT GY TO DK GY - HS SPLNTY TO TR BLK SFT CARB IP

3157-3160'- LS- OFF WHT CRM, MD HD TO SFT, V/ SUCRO S-CHLKY MTRX , W/ HVY TR ABDT SFT WHT CHLK IP, NO FLO, NO VIS POR, NO VIS SHOW

3167-3170- LS- OFF WHT CRM BFF- HD IP MD-XLN RE-XLN MTRX IP, TR SCAT FOSS, W/ ABDT IMBD SFT WHT CHLK IP AND FREE CHLK, LT DLL YEL MIN FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO WHT- FRM IP TO V/ SFT CHLK, SUCRO S-CHLKY TO GMMY TXT, NO FLO, NO VIS POR, NO VI SHOW

LS- CRM BFF LT TN- HD DNS MD-F-XLN RE-XLN MTRX FOSS FRGS IMBD IP , TR IMBD PELT, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

3221-3224' LS- CRM LT TN TN HD DNS TR BRITT, MD-F-XLN , RE-XLN MTRX, V/ FOSS, W/ SMLL CALC XLS ON ONE FACES OF ROCK, BRIT YEL GLD FLO ON ONE FACES OF ROCK, BRIT YEL MIN FLO IP, POSS FRACT POR, NO OTHER VIS POR, LT FLSH TO FR SLO STRM CUT FROM CALC XLS, LT OIL ODOR

3242 - 3246 LS- CRM LT TN, HD DNS F XLT TO TT SUCRO TXT SLI S-CHLKY IP, DLL YEL FLO NO VIS POR NO VIS SHOW

3261-3264 LS- CRM BFF (LT TN STN 20%) HD DNS TO BRITT TR IMBD FOSS SCAT THRU, SMLL CALC, BRIT YEL GLD FLO IN 30% DLL YELL GLD FLO 70% PR VIS INTER- XLN AND PR INTER -FOSS POR, FR FLSH CUT IN 50%, FR SLO STRM CUT 50%, LT OIL ODOR.

3280-3284 LS- OFF WHT CRM, (LT TN STN IN LESS THAN 25%) HD TO V/ BRITT, MD-XLN RE-XLN MTRX, ABDT IMBD SMLL CALC XLS, IMBD FOSS FRGS THRU, TR IMBD SMLL ANG LM GRNS IP, BRIT YEL GLD FLO 25%, PR TO FR INTER-FOSS POR IN 20%, FR FLSH CUT IN 25%, FR SLO STRM CUT IN 25%, NO ODOR

3397' LS- LT TN TN - HD DNS - V/ TT SUCRO MTRX TO FN- XLN (TN STN THRU) SMLL CALC XLS IMBD ON ONE FACES OF 30% OF ROCK, BRIT YEL GLD FLO IN 100%, TR OF INTER-XLN POR, EXCEL FLSH CUT TO EXCEL SLO STRM CUT IN 100%, FR OIL ODOR WET AND DRY, LT TN LCH ON DISH

BKC 3313' - 1503'

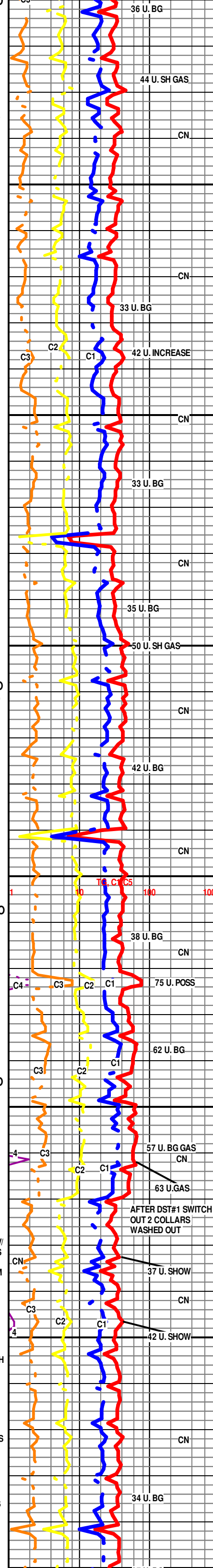
SH- RED DK RED- V/ SFT GMMY TXT

LS- CRM BFF- HD DNS TR BRITT, F-V-F-XLN TO SLI S-CHLKY IP, TR FOSS FRGS IP. NO FLO, NO VIS PR, NO VIS SHOW

SH- DK RED DK GY- FRM BLKY GRNY TXT

LS- OFF WHT CRM- HD DNS TO BRITT TO SFT IP, F-XLN TO MD- XLN IP, TR RE-XLN IP, ABDT IMBD SFT WHT CHLK, NO FLO, NO VIS POR, NO VIS SHOW

SH- RED DK RED- V/ SFT GMMY TXT



ARBUCKLE 3361' - 1551'

3360-3370' DOLO- TN DK TN DK BRN DUE TO (100% OIL STN & LIVE OIL IN TRAY & IN SAMPLS) F-XLN IP TO V/ SUCRO MTRX, HD IP TO V/V/ BRITT, TR FOSS FRGS IP TO ABDT IMBD SMLL TO MD ANG DOLO GRNS THRU, ABDT INDIVIDUAL DOLO GRNS IN TRAY W/ OIL STN, SLI TR DOLO CHLK IP, DLL YEL GLD FLO THRU, PR TO GD TO EXCELLANT INTER-XLN POR, TR INTER-FOSS POR IP, EXCEL INST FLSH CUT TO EXCEL SLO STRM MLKY BLU CUT, FR OIL ODOR WET, TN LCH ON DISH

3370- 3385 DOLO- DK TN DK BRN DUE TO (100% OIL STN & LIVE OIL IN TRAY & IN SAMPLS) V/ SUCRO MTRX, HD IP TO V/V/ BRITT, ABDT IMBD SMLL TO MD ANG DOLO GRNS THRU, ABDT INDIVIDUAL DOLO GRNS IN TRAY W/ OIL STN, SLI TR DOLO CHLK IP, DLL YEL GLD FLO THRU, PR TO GD TO EXCELLANT INTER-XLN POR, EXCEL INST FLSH CUT TO EXCEL SLO STRM MLKY BLU CUT, BRN LCH ON DISH

3385 TO 3405' DOLO- TN WHT- HD DNS TO BRITT, MOTT, (70% STN & LV OIL 45%) MOTT, V/ SUCRO MTRX TO F-XLN IP,ABDT IMBD SMLL ANG DOLO GRNS IN 70%, HVY TR PYR CLSTRS IP, BRIT YEL GLD FLO IN 40%, DLL YEL FLO IN 60%, PR TO FR TO GD INTER-XLN POR, GD FLSH CUT IN 50%, FR TO GD FLSH CUT IN 50%, TN LCH ON DSH, ODOR OF OLD GASOLINE

3405 TO 3410- DOLO- WHT TO LT TN , HD DNS MOTT, F-XLN TO V/ TT SUCRO MTRX, SCAT SMLL IMBD ANG DOLO GRNS IP,HVY TR SFT WHT CHLK IP, BRIT YEL MIN FLO THRU, NO VIS POR, NO VIS SHOW

3410 TO 3420- DOLO- LT TN TN HD DNS F-XLN RE-XLN MTRX, ABDT IMBD SMLL TN OOL THRU, OOLMLD IP,BRIT YEL MIN FLO THRU, DLL YEL FLO IP, V/V/PT OOLMLD POR SCAT IP, NO VIS CUT OR SHOW

3420 TO 3440- DOLO- LT TN TN- HD DNS F-XLN TO TTSUCRO MTX, TR IMBD ANG DOLO GRNS IP SLI TR WHT CHLK, BRIT YEL MIN FLO IN 40% TO DLL YEL FLO IN 60%, NO VIS POR, NO VIS SHOW

DOLO- WHT- DH DNS TO BRITT, VFN TO V/ CRS SUCRO MTRX, ABDT IMBD SLL ANG DOLO GRNS THRU ,TR GRN IMBD CLAY IP, SLI TR IMBD CHLK IP, LT BRIT YEL MIN FLO THRU, PR TO FR VIS INTER-XLN OR, NO VIS SHOW

NOTE: DETECTION OF 50 PPM OF H2S ON DRILL FLOOR BRIEFLY AFTER DST#2 , WASHED FLOOR AND SUB AND H2S SMELL SUBSIDED

R.T.D. @ 2:14 AM 6/27/2011

CTCH 1.25 HRS

START TOFL @ 3:30 AM

WEATHERFORD/ LIBERAL,KS.

