



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
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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

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 #: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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: _____



1046025

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
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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 Bbls.	Gas Mcf	Water Bbls.	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> <i>(Submit ACO-4)</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	STOS ET AL 1-18
Doc ID	1046025

All Electric Logs Run

ARRAY INDUCTION SHALLOW FOCUSSED ELECTRIC LOG
COMPACT PHOTO DENSITY COMPENSATED NEUTRON LOG
MICRO RESISTIVITY LOG
COMPENSATED SONIC W/ INTEGRATED TRANSIT TIMES LOG



*Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner*

October 25, 2010

TOM FERTAL
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-009-25435-00-00
STOS ET AL 1-18
SE/4 Sec.18-17S-15W
Barton 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,
TOM FERTAL



QUALITY OILWELL CEMENTING, INC.

740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net
 Pratt Location 620-388-5422

Date: 6/28/2010
 Invoice # **4050**
 P.O.#:
 Due Date: 7/28/2010
 Division: *Russell*

Invoice

Contact:

Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 P.O. BOX 448
 RUSSELL KS 67665

Reference:

STOS ET. AL 1-18

Description of Work:

LONG SURFACE JIB

Services / Items Included:

	<i>Item</i>	<i>Quantity</i>
	Surface Job	1
Pump Truck Mileage-from Job location to Nearest Camp		22
Premium Gel (Bentonite)		8
Flo Seal		100
Common-Class A		400
Calcium Chloride		14
Bulk Truck Mileage-from Job location to Nearest Bulk Plant		22
Bulk Truck Material-Material Service Charge		422
8 5/8" Top Rubber Plug		1

<i>Item</i>	<i>Quantity</i>
8 5/8" Centralizer	3
8 5/8" Basket	3
8 5/8" AFU Insert	1

Invoice Terms:

Net 30

Quoted by: **Dave Funk**

SubTotal: \$ 8,628.26

Discount Available ONLY if Invoice is Paid &
 Received within listed terms of invoice: \$ (1,294.24)

Total: \$ 7,334.02

Tax: \$ 236.85

\$ 7,570.87

Applied Payments:

Balance Due: \$ 7,570.87

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.
 ©2008-2013 Straker Investments, LLC. All rights reserved.

RECEIVED

JUN 30 2010

SAMUEL GARY JR.
 & ASSOCIATES, INC.

DRLG COMP W/O LOE
 AFE # _____
 ACCT # 2000-138
 APPROVED BY [Signature]

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. 4050

Date	6-24-10	Sec.	18	Twp.	17	Range	15	County	Barton	State	Kansas	On Location	Finish
Lease	Stos Et. AL	Well No.	1-18		Location		Otis 2E 2N						8:00pm

Contractor	VAL Drilling Rig 6		Owner	To Quality Oilwell Cementing, Inc.	
Type Job	Long Surface		You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.		
Hole Size	12 1/4	T.D.	1092	Charge To	Samuel Gary Sr. & Assoc.
Csg.	8 3/8 236	Depth	1092	Street	
Tbg. Size		Depth		City	
Tool		Depth		State	

Cement Left in Csg.	20 1/2	Shoe Joint	22 1/2	The above was done to satisfaction and supervision of owner agent or contractor.	
Meas Line		Displace	68361	Cement Amount Ordered	400 Cem 30ll 2 1/2 in

EQUIPMENT

Pumptrk	5	No.	Cementer	Steve	4
			Helper		
Bulktrk	12	No.	Driver	Brandon	4
			Driver		
Bulktrk		No.	Driver	Cisco	4
			Driver		

1/4 Flowseal per stl	
Common	400
Poz. Mix	
Gel.	8
Calcium	14

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Hulls

Salt

Flowseal 100

Kol-Seal

Mud CLR 48

CFL-117 or CD110 CAF 38

Cement did Circulate

Sand

Handling 422

Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	3
Baskets	3
AFU Inserts	
Float Shoe	
Latch Down	

1 8 3/8 Rubber Plug

1 8 3/8 Baffle Plug

Pumptrk Charge Long Surface

Mileage 22

Thank You

Randy Martin

Tax	
Discount	
Total Charge	

X Signature



PAGE 1 of 1	CUST NO 1003682	INVOICE DATE 07/08/2010
INVOICE NUMBER 1718 - 90355574		

Pratt (620) 672-1201
 B SAMUEL GARY JR. & ASSOCIATES
 I PO Box: 448
 L RUSSELL
 L KS US 67665
 T
 O ATTN:

J LEASE NAME Stos 1-18
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40203283	20920		Net - 30 days	08/07/2010

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 07/02/2010 to 07/02/2010				
0040203283				
171801986A Cement-New Well Casing/Pi 07/02/2010 5 1/2" Longstring				
60/40 POZ	75.00	EA	7.56	566.96 T
50/50 POZ	125.00	EA	6.93	866.20 T
Cello-flake	31.00	EA	2.33	72.26 T
Calcium Chloride	210.00	EA	0.66	138.91 T
Cal-Set	625.00	EA	0.47	295.29 T
FLA-322	104.00	EA	4.72	491.37 T
Cement Gel	210.00	EA	0.16	33.07 T
Gilsonite	1,000.00	EA	0.42	422.07 T
Latch Down Plug & Baffle 5 1/2" (Blue)	1.00	EA	251.98	251.98
Auto Fill Float Shoe 5 1/2" (Blue)	1.00	EA	226.79	226.79
Turbolizer 5 1/2" (Blue)	8.00	EA	69.30	554.37
CS-1L KCL Substitute	4.00	EA	22.05	88.19 T
Super Flush II	500.00	EA	0.96	481.92 T
Unit Mileage Charge-Pickups, Vans & Cars	85.00	HR	2.68	227.57
Heavy Equipment Mileage	170.00	MI	4.41	749.65
Proppant and Bulk Delivery Charges	723.00	MI	1.01	728.74
Depth Charge; 3001-4000	1.00	HR	1,360.73	1,360.73
Blending & Mixing Service Charge	200.00	MI	0.88	176.39
Casing Swivel Rental	1.00	EA	125.99	125.99
Plug Container Utilization Charge	1.00	EA	157.49	157.49
Service Supervisor	1.00	HR	110.24	110.24

PAID
 JUL 16 2010
 DRLG COMP W/O LOE
 AFE # _____
 ACCT # 200.135
 APPROVED BY

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	8,126.18
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	217.74
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	8,343.92
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 1986 A

DATE _____ TICKET NO. _____

DATE OF JOB 7-2-10		DISTRICT KANSAS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER Samuel Gary JR + ASSC INC				LEASE STOS 1-18		WELL NO.			
ADDRESS				COUNTY Barton 18-17-15 STATE KANS.					
CITY		STATE		SERVICE CREW A. Werth, Kleslog, M. McGraw					
AUTHORIZED BY				JOB TYPE: 5/8" L.S.					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	TIME	
28443 P.U.	1					7-1-10	7-2-10	200	
33706-20920	1							100	
19226-19260	1							230	
								850	
								930	
						MILES FROM STATION TO WELL 85 miles			

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP103	60/40 Poz		75 SK		\$ 900.00
CP104	50/50 Poz		125 SK		\$ 1325.00
CC102	cell FLAKE		31-1b		\$ 114.70
CC109	Calcium Chloride		210-1b		\$ 720.50
CC113	CAL SET		625-1b		\$ 468.75
CC129	FLA-322		104-1b		\$ 780.00
CC200	Cement Gel		810-1b		\$ 52.50
CC201	Gilsonite		1000-1b		\$ 620.00
CF607	Latch down Plug + Baffle 5/8" Blue		1-en		\$ 400.00
CF1251	Auto Fill Float Valve 5/8" Blue		1-en		\$ 360.00
CF1651	Turbolizer 5/8" Blue		2-en		\$ 880.00
CG04	CS-16 KCL substitute		4-gal		\$ 140.00
CG16	Super flush II		500-gal		\$ 765.00
					OLS

SUB TOTAL

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT %TAX ON \$
MATERIALS %TAX ON \$

TOTAL

SERVICE REPRESENTATIVE Allen F. Werth

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: AWP
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 1987 A

DATE TICKET NO. 17181986A

DATE OF JOB 7-2-10		DISTRICT KANSAS		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:					
CUSTOMER Samuel Gary Jr & Assoc. Inc		LEASE stop		1-18 WELL NO.					
ADDRESS		COUNTY Barton 18-17-15 STATE KANS.							
CITY		STATE		SERVICE CREW A. Werth, Kocvanlesky, M. McGowan					
AUTHORIZED BY		JOB TYPE: 5 1/2" L.S. CNW							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
28443 RU	1					7-1-10	7-1-10	AM	2:00
33706-20920	1					ARRIVED AT JOB	7-2-10	AM	1:00
19826-19860	1					START OPERATION	7-2-10	AM	7:30
						FINISH OPERATION	7-2-10	AM	8:30
						RELEASED	7-2-10	PM	9:30
						MILES FROM STATION TO WELL			8.5 miles

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
E100	unit mileage Charge Pickup		8.5-mi		\$ 361.25
E101	Heavy Equip mileage		170-mi		\$ 1190.00
E113	Bulk Delivery Chg.		723-Tm		\$ 1156.00
CE204	Depth Charge 3001-4000'		1-4hrs		\$ 2160.00
CE240	Blending & mixing service chg.		200-sk		\$ 280.00
CE501	Casing Swivel Rental		1-CA		\$ 200.00
CE504	Plug Container Utilization Chg.		1-Job		\$ 250.00
5003	Service Supervisor first 8hrs on loc		1-CA		\$ 175.00

SUB TOTAL

CHEMICAL / ACID DATA:

SERVICE & EQUIPMENT %TAX ON \$
MATERIALS %TAX ON \$

TOTAL

DL5
\$ 8126.18

SERVICE REPRESENTATIVE Allen F. Werth THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

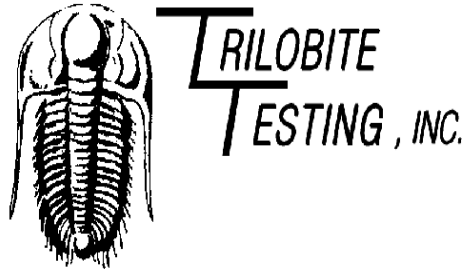
FIELD SERVICE ORDER NO.

Customer Samuel Gary JR + ASSOC	Lease No.	Date 7-2-10
Lease Stos	Well # 1-18	
Field Order # 171819861	Station Gratt	County Barton
Type Job 5 1/2" L.S.	Casing 5 1/2"	Depth 3677.51
	Formation CMM	Legal Description RTO 3680, LTO 3677
		State KS
		18-17-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2"	Tubing Size	Shots/Ft	20 BBL 2% KCL	Acid	Super flush #	RATE	PRESS	ISIP
Depth 3677.51	Depth	From	To 2.5 SK	Pre Pad	60/40 Poz scavenger 12 #/gal	Max		5 Min.
Volume 27 BBL	Volume	From	To 1.25 SK	Pad	50/50 Poz @ 13.8 #	Min		10 Min.
Max Press 1500 #	Max Press	From	To Plug	Frac	RH w/ 30 SK	Avg		15 Min.
Well Connection P.C.	Annulus Vol.	From	To Plug	Flush	MH w/ 20 SK	HHP Used		Annulus Pressure
Plug Depth 3654	Packer Depth	From	To	Flush	Disp. 2% KCL	Gas Volume		Total Load

Customer Representative Kelly Branum	Station Manager Scotty	Treater Allen Flworth
Service Units 28413	33708	20920
Driver Names A. Weith	Kevin	Lasley
	Mike	McGraw

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
100 AM					on loc. Discuss Safety, Setup, Plan to Tab Rig Laying down Drill Pipe.
3:22					out of Hole, Rig up to Run 5 1/2 csg 15.5 # pipe.
4:35					Start 5 1/2" casing shoe joint 23.00' w/ float shoe + L.D. Baffle in collar cent 1-3-5-7-9-11-13-15
6:30					Tag TD @ 3677' pickup approx 1' hook up + circ + Rotate w/ Rig.
7:30	200 #		20	5	Pump 20 BBL 2% KCL
			12	5	Pump 12 BBL mud flush
			5	5	Pump 5 BBL H ² O spacer
			9	5	Mix + pump 2.5 SK 60/40 Poz scavenger
				5	Mix + Pump 1.25 SK 50/50 Poz @ 13.8 #
			34		Finish mix - wash out Pump + Line
	400 #			6	Drop L.D. Plug + Start Disp
8:15	1500 #			5	caught L.F. + PSI 64 Bbls out
	0 #			2 1/2	Plug down + Release PSI - OK
					Plug RH w/ 30 SK + MH w/ 20 SK 60/40 washup + Ractup Equip.
9:30					Tab complete - Thanks Allen, Kevin, McGraw



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary & Associates INC**

1515 Wynkoop
STE 700
Denver Co 80202

ATTN: Tom Fertal

18-17s-15w

Stos ET AL #1-18

Start Date: 2010.06.29 @ 05:03:43

End Date: 2010.06.29 @ 14:07:53

Job Ticket #: 37237 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Samuel Gary & Associates INC

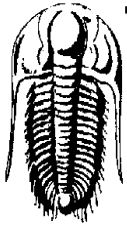
Stos ET AL #1-18

18-17s-15w

DST # 1

Lansing C

2010.06.29



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary & Associates INC

Stos ET AL #1-18

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Tom Fertal

18-17s-15w

Job Ticket: 37237

DST#: 1

Test Start: 2010.06.29 @ 05:03:43

GENERAL INFORMATION:

Formation: **Lansing C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:01:53

Time Test Ended: 14:07:53

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 31

Interval: 3312.00 ft (KB) To 3334.00 ft (KB) (TVD)

Reference Elevations: 2013.00 ft (KB)

Total Depth: 3334.00 ft (KB) (TVD)

2003.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8017 Inside

Press@RunDepth: 39.12 psig @ 3316.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.06.29

End Date:

2010.06.29

Last Calib.: 2010.06.29

Start Time: 05:03:48

End Time:

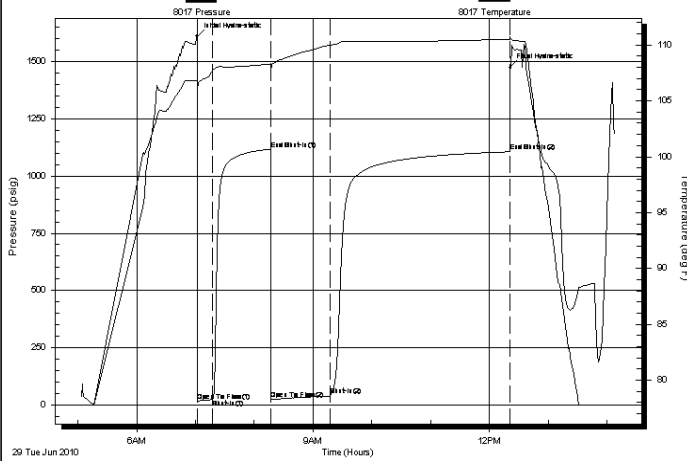
14:07:52

Time On Btm: 2010.06.29 @ 07:01:43

Time Off Btm: 2010.06.29 @ 12:21:13

TEST COMMENT: IFP-Weak blow built to 1 3/4 in
IS-Dead no blow back
FFP-Weak blow built to 1 1/4 in
FSI-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

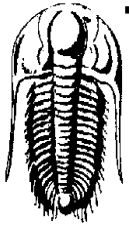
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1610.07	106.88	Initial Hydro-static
1	16.47	106.05	Open To Flow (1)
16	23.61	107.81	Shut-In(1)
75	1117.50	108.31	End Shut-In(1)
76	26.42	107.70	Open To Flow (2)
136	39.12	109.99	Shut-In(2)
320	1106.28	110.51	End Shut-In(2)
320	1473.87	110.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	MW with oil speakles 15%M85%W	0.35

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary & Associates INC

Stos ET AL #1-18

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Tom Fertal

18-17s-15w

Job Ticket: 37237

DST#: 1

Test Start: 2010.06.29 @ 05:03:43

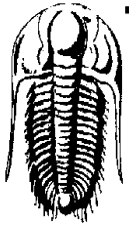
Tool Information

Drill Pipe:	Length: 3288.00 ft	Diameter: 3.80 inches	Volume: 46.12 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 46.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3312.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3284.00	
Shut In Tool	5.00			3289.00	
Hydraulic tool	5.00			3294.00	
Jars	5.00			3299.00	
Safety Joint	3.00			3302.00	
Packer	5.00			3307.00	29.00 Bottom Of Top Packer
Packer	5.00			3312.00	
Stubb	1.00			3313.00	
Perforations	3.00			3316.00	
Recorder	0.00	8017	Inside	3316.00	
Recorder	0.00	8352	Outside	3316.00	
Perforations	15.00			3331.00	
Bullnose	3.00			3334.00	22.00 Bottom Packers & Anchor

Total Tool Length: 51.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary & Associates INC

Stos ET AL #1-18

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Tom Fertal

18-17s-15w

Job Ticket: 37237

DST#: 1

Test Start: 2010.06.29 @ 05:03:43

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:	1900 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.38 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3100.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	MW with oil speakles 15%M85%W	0.351

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

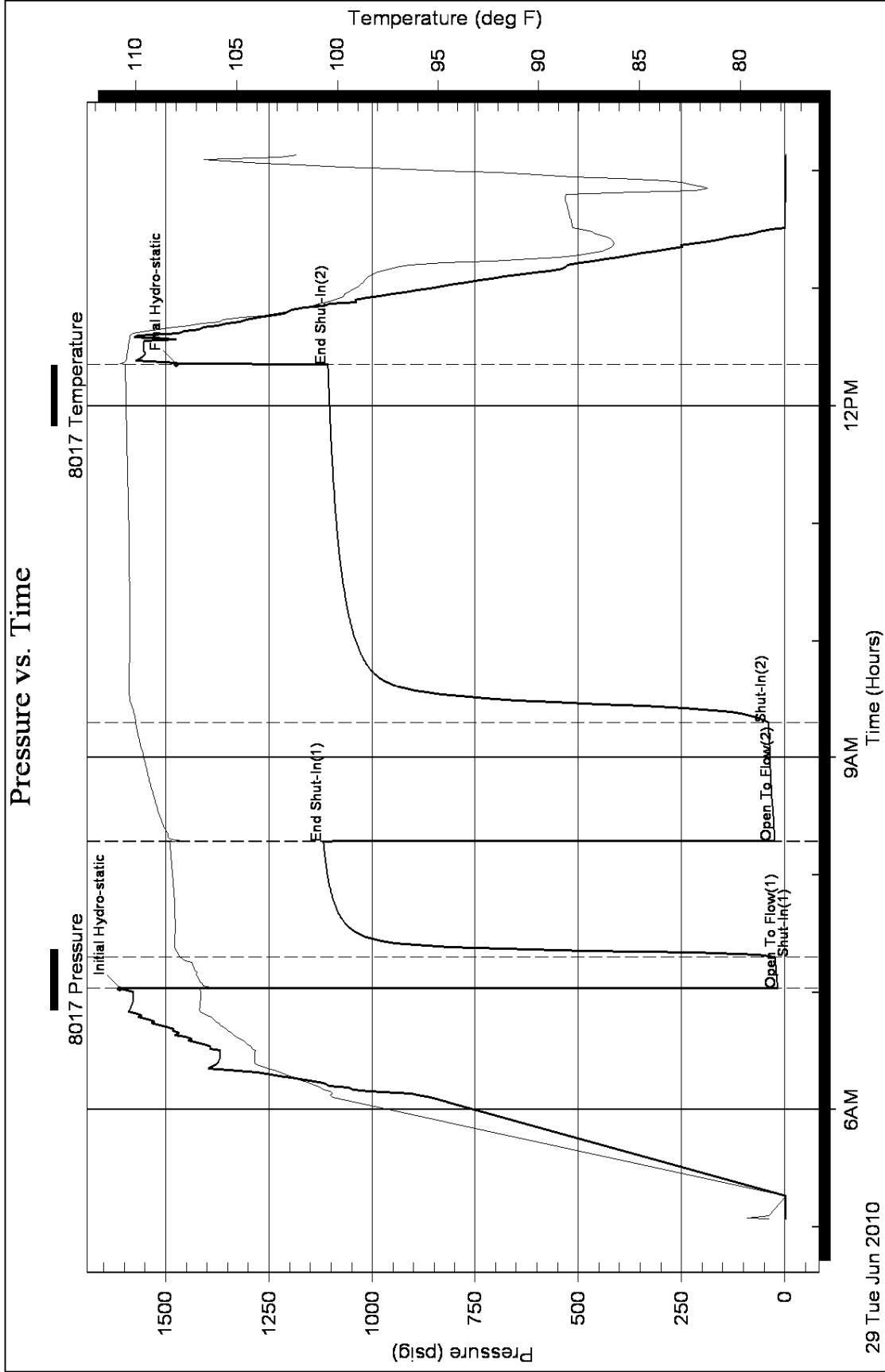
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



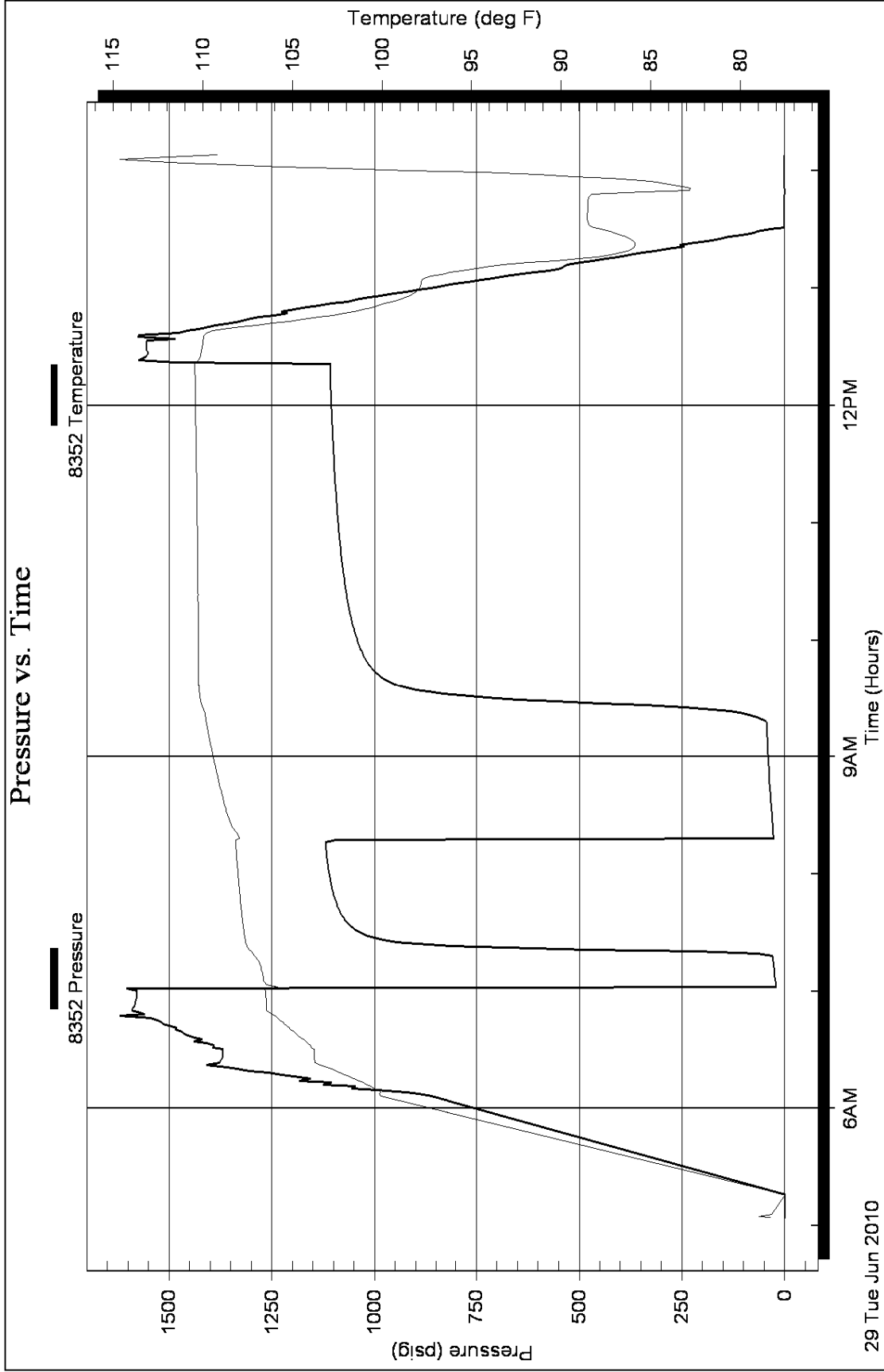
Serial #: 8352

Outside

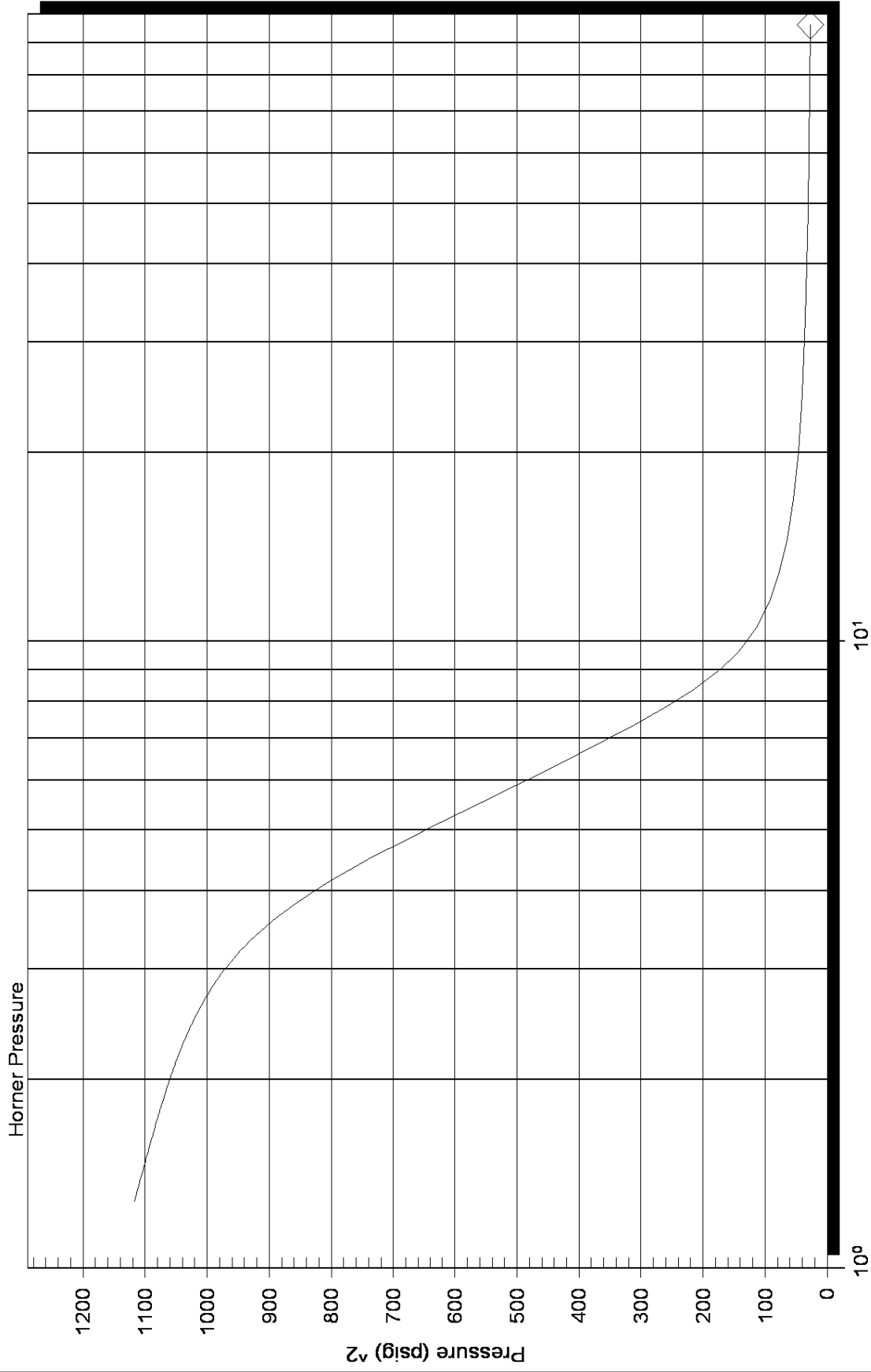
Samuel Gary & Associates INC

18-17s-15w

DST Test Number: 1



Homer Plot



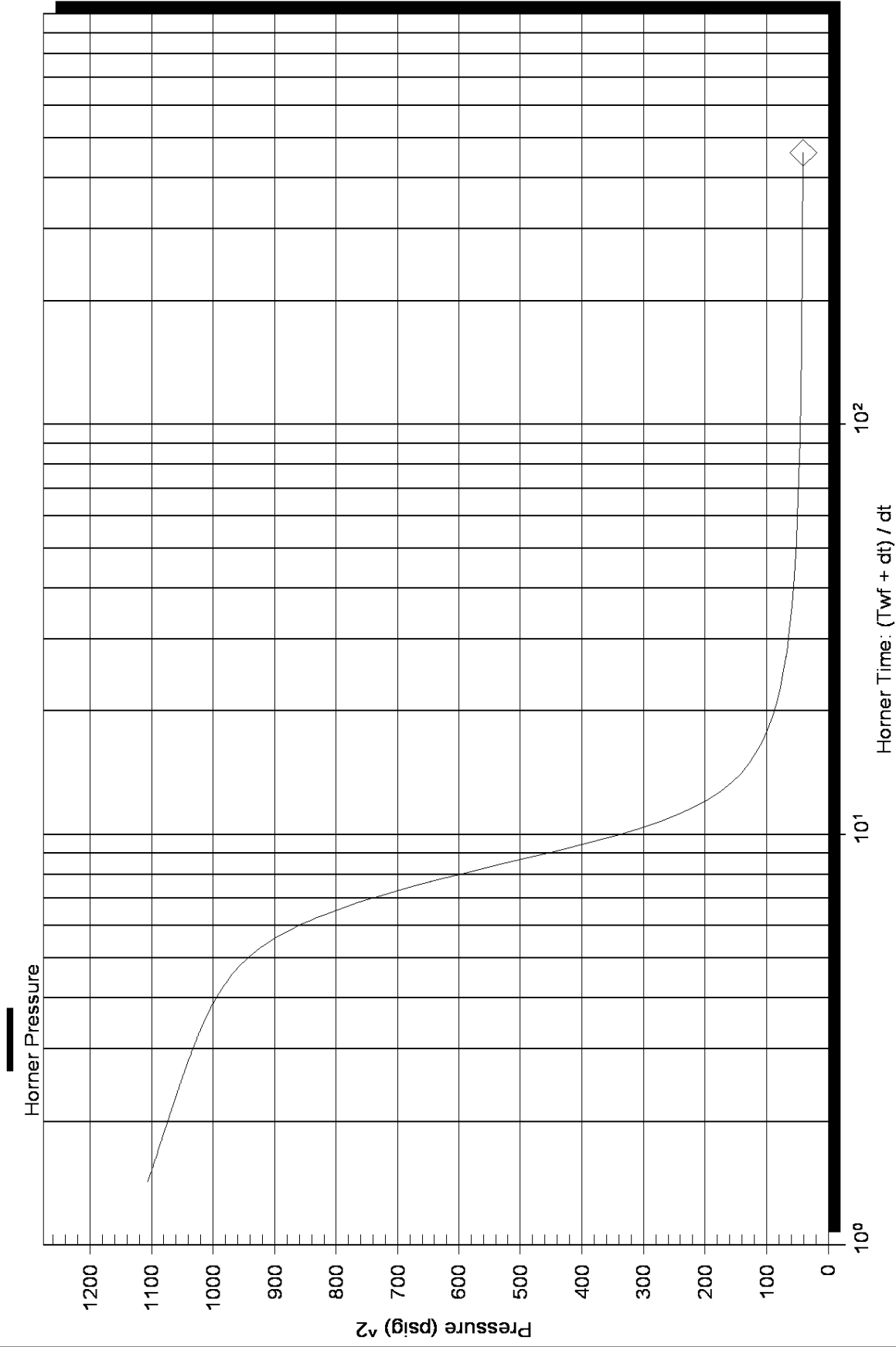
Serial Number: 8017 (Inside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 1

Homer Plot



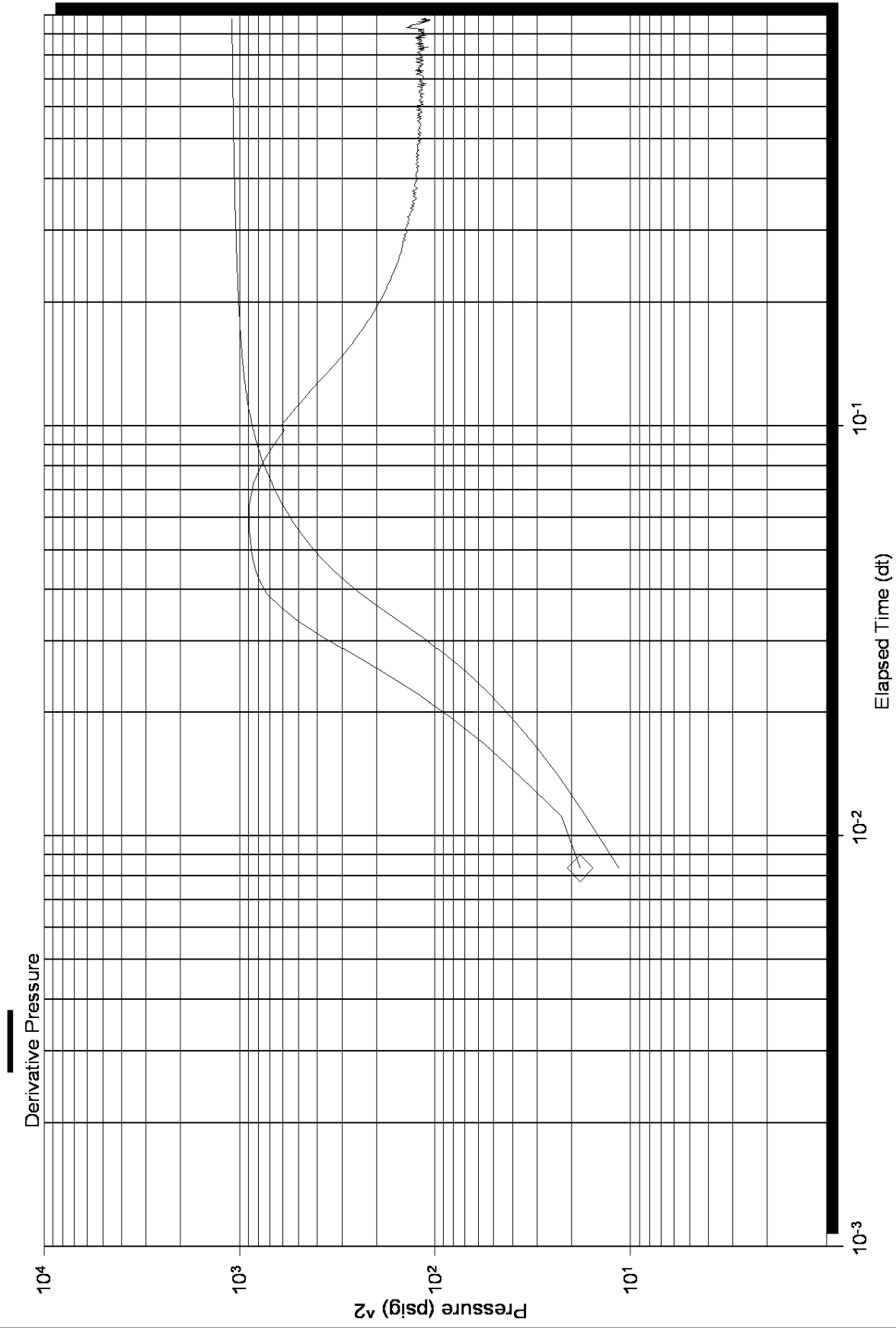
Serial Number: 8017 (Inside)

Slope (m) : kpa/log cycle

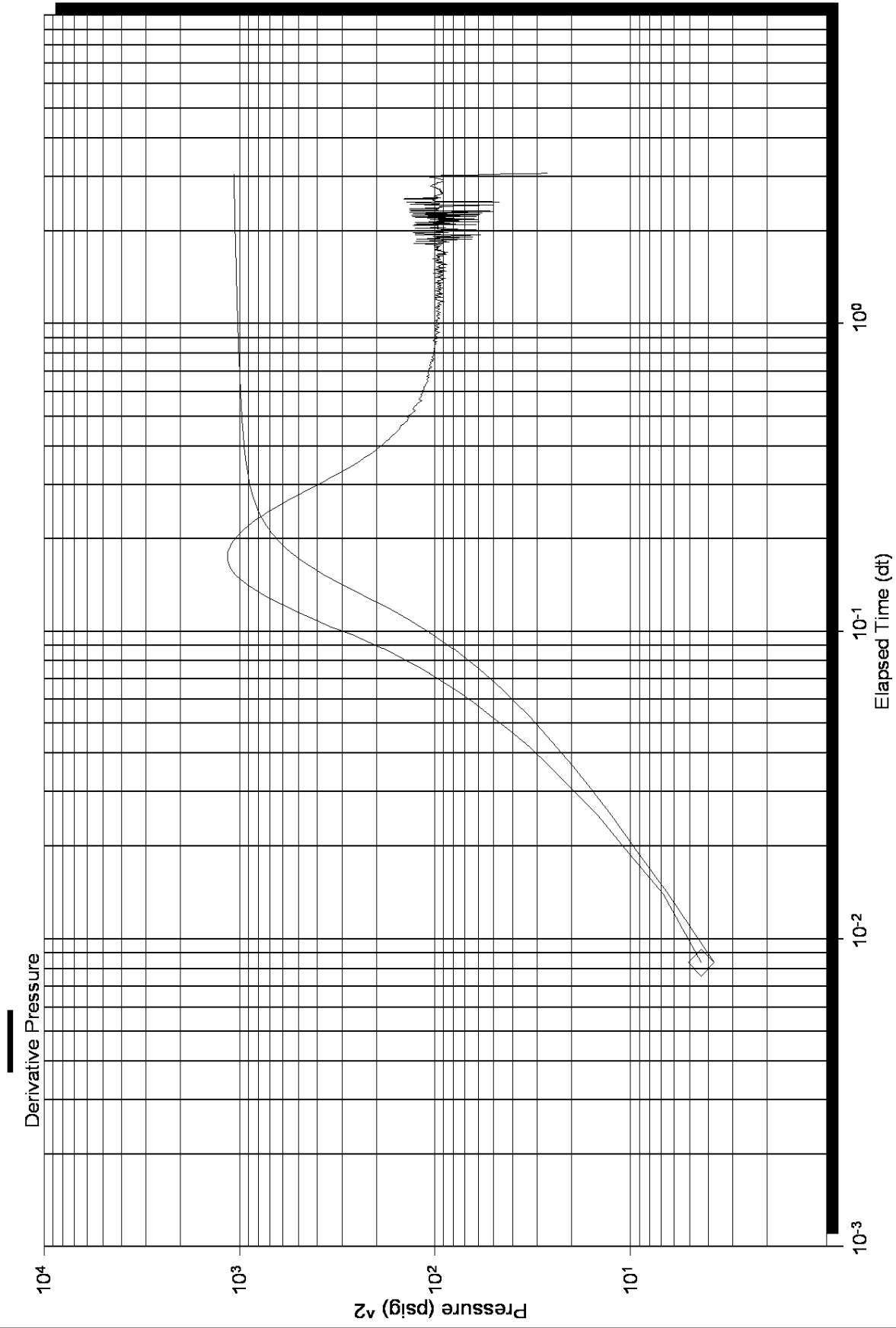
P* :

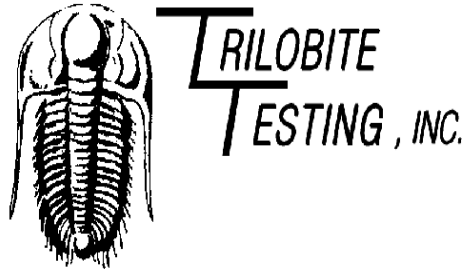
Flow Cycle: 2

Log-Log and Pseudo-Log-Log



Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary & Associates INC**

1515 Wynkoop
STE 700
Denver Co 80202

ATTN: Tom Fertal

18-17s-15w Barton

Stos ET AL #1-18

Start Date: 2010.06.29 @ 00:08:08

End Date: 2010.06.29 @ 07:00:08

Job Ticket #: 37238 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Samuel Gary & Associates INC

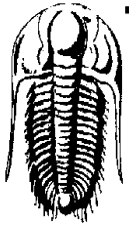
Stos ET AL #1-18

18-17s-15w Barton

DST # 2

Lansing Middle "G"

2010.06.29



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary & Associates INC

Stos ET AL #1-18

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Tom Fertal

18-17s-15w Barton

Job Ticket: 37238 **DST#: 2**
Test Start: 2010.06.29 @ 00:08:08

GENERAL INFORMATION:

Formation: **Lansing Middle "G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:13:08

Time Test Ended: 07:00:08

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 31

Interval: 3398.00 ft (KB) To 3410.00 ft (KB) (TVD)

Total Depth: 3410.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2013.00 ft (KB)

2003.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8017

Inside

Press@RunDepth: 17.56 psig @ 3399.00 ft (KB)

Start Date: 2010.06.29

End Date: 2010.06.29

Capacity: 8000.00 psig

Last Calib.: 2010.06.30

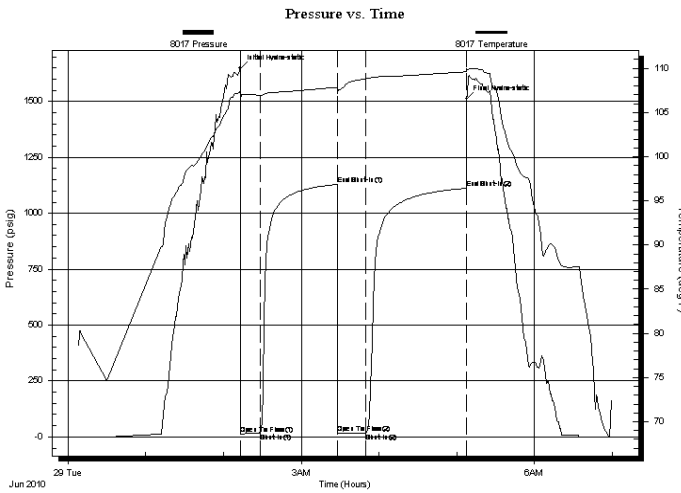
Start Time: 00:08:13

End Time: 07:00:07

Time On Btm: 2010.06.29 @ 02:12:58

Time Off Btm: 2010.06.29 @ 05:07:38

TEST COMMENT: IFP-Weak blow built to 3/4 in
IS-Dead no blow back
FFP-Dead no blow
FSI-Dead no blow back



PRESSURE SUMMARY

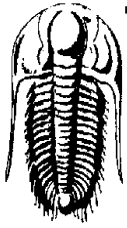
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1647.42	107.47	Initial Hydro-static
1	12.63	106.54	Open To Flow (1)
15	14.96	106.97	Shut-In(1)
75	1128.65	107.87	End Shut-In(1)
76	15.74	107.20	Open To Flow (2)
97	17.56	108.84	Shut-In(2)
175	1112.04	109.61	End Shut-In(2)
175	1511.43	109.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	MW with oil specks 50%M50%W	0.14

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary & Associates INC

Stos ET AL #1-18

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Tom Fertal

18-17s-15w Barton

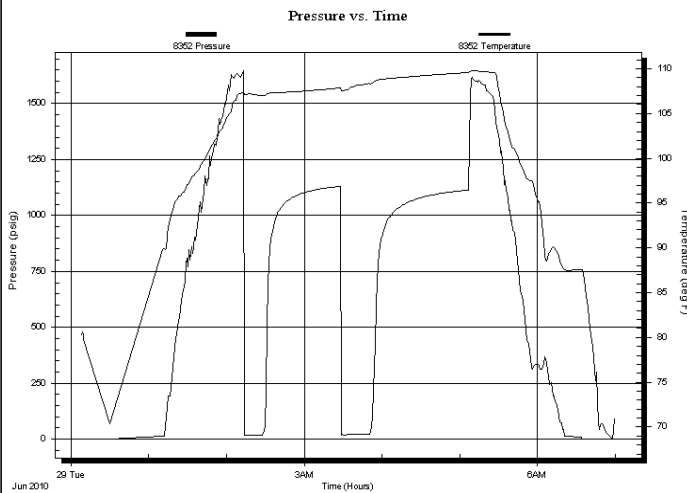
Job Ticket: 37238 **DST#: 2**
Test Start: 2010.06.29 @ 00:08:08

GENERAL INFORMATION:

Formation: **Lansing Middle "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:13:08
 Time Test Ended: 07:00:08
 Interval: **3398.00 ft (KB) To 3410.00 ft (KB) (TVD)**
 Total Depth: 3410.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jeff Brown
 Unit No: 31
 Reference Elevations: 2013.00 ft (KB)
 2003.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8352 Outside
 Press@RunDepth: psig @ 3399.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.06.29 End Date: 2010.06.29 Last Calib.: 2010.06.30
 Start Time: 00:08:13 End Time: 07:00:07 Time On Btm:
 Time Off Btm:

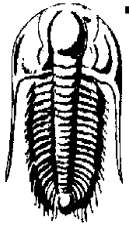
TEST COMMENT: IFP-Weak blow built to 3/4 in
 IS-Dead no blow back
 FFP-Dead no blow
 FSI-Dead no blow back



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

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	MW with oil specks 50%M50%W	0.14

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary & Associates INC

Stos ET AL #1-18

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Tom Fertal

18-17s-15w Barton

Job Ticket: 37238

DST#: 2

Test Start: 2010.06.29 @ 00:08:08

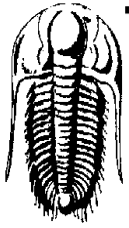
Tool Information

Drill Pipe:	Length: 3380.00 ft	Diameter: 3.80 inches	Volume: 47.41 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 47.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3398.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3370.00	
Shut In Tool	5.00			3375.00	
Hydraulic tool	5.00			3380.00	
Jars	5.00			3385.00	
Safety Joint	3.00			3388.00	
Packer	5.00			3393.00	29.00 Bottom Of Top Packer
Packer	5.00			3398.00	
Stubb	1.00			3399.00	
Recorder	0.00	8017	Inside	3399.00	
Recorder	0.00	8352	Outside	3399.00	
Perforations	8.00			3407.00	
Bullnose	3.00			3410.00	12.00 Bottom Packers & Anchor

Total Tool Length: 41.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary & Associates INC

Stos ET AL #1-18

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Tom Fertal

18-17s-15w Barton

Job Ticket: 37238

DST#: 2

Test Start: 2010.06.29 @ 00:08:08

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:	3600 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.18 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	MW with oil specks 50%M50%W	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

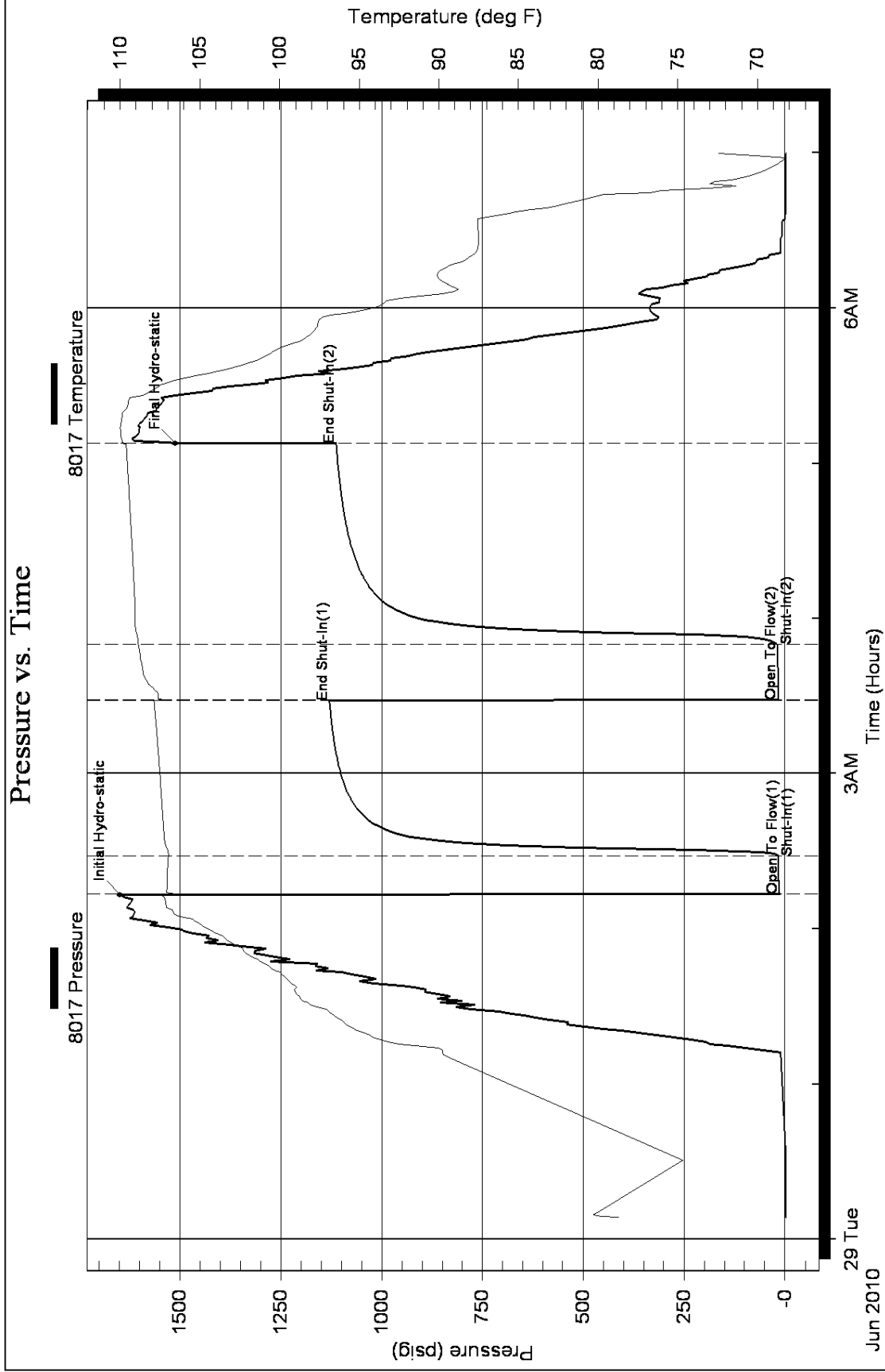
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



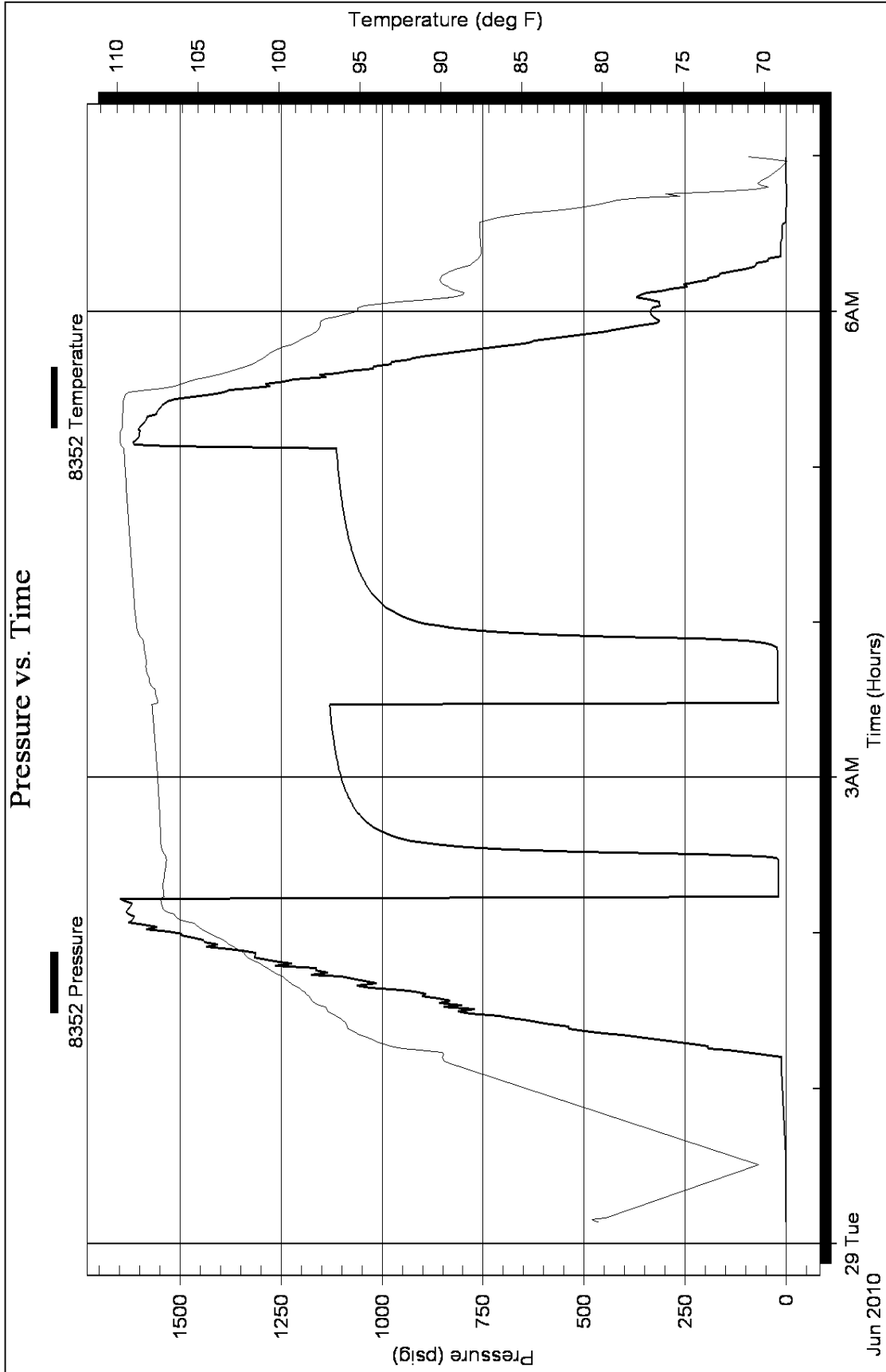
Serial #: 8352

Outside

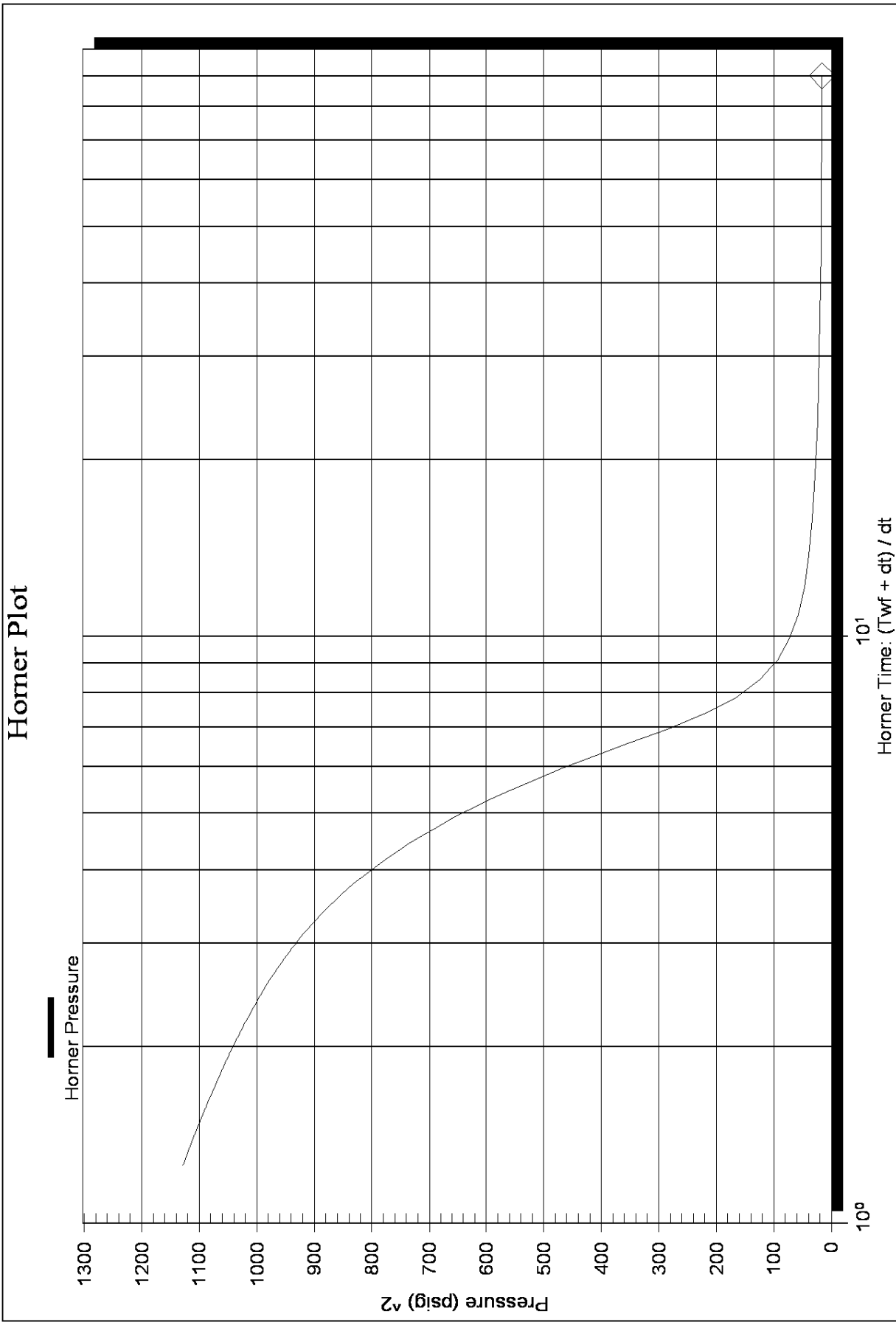
Samuel Gary & Associates INC

18-17s-15w Barton

DST Test Number: 2



Homer Plot



Serial Number: 8017 (Inside)

P* :

Slope (m) : kpa/log cycle

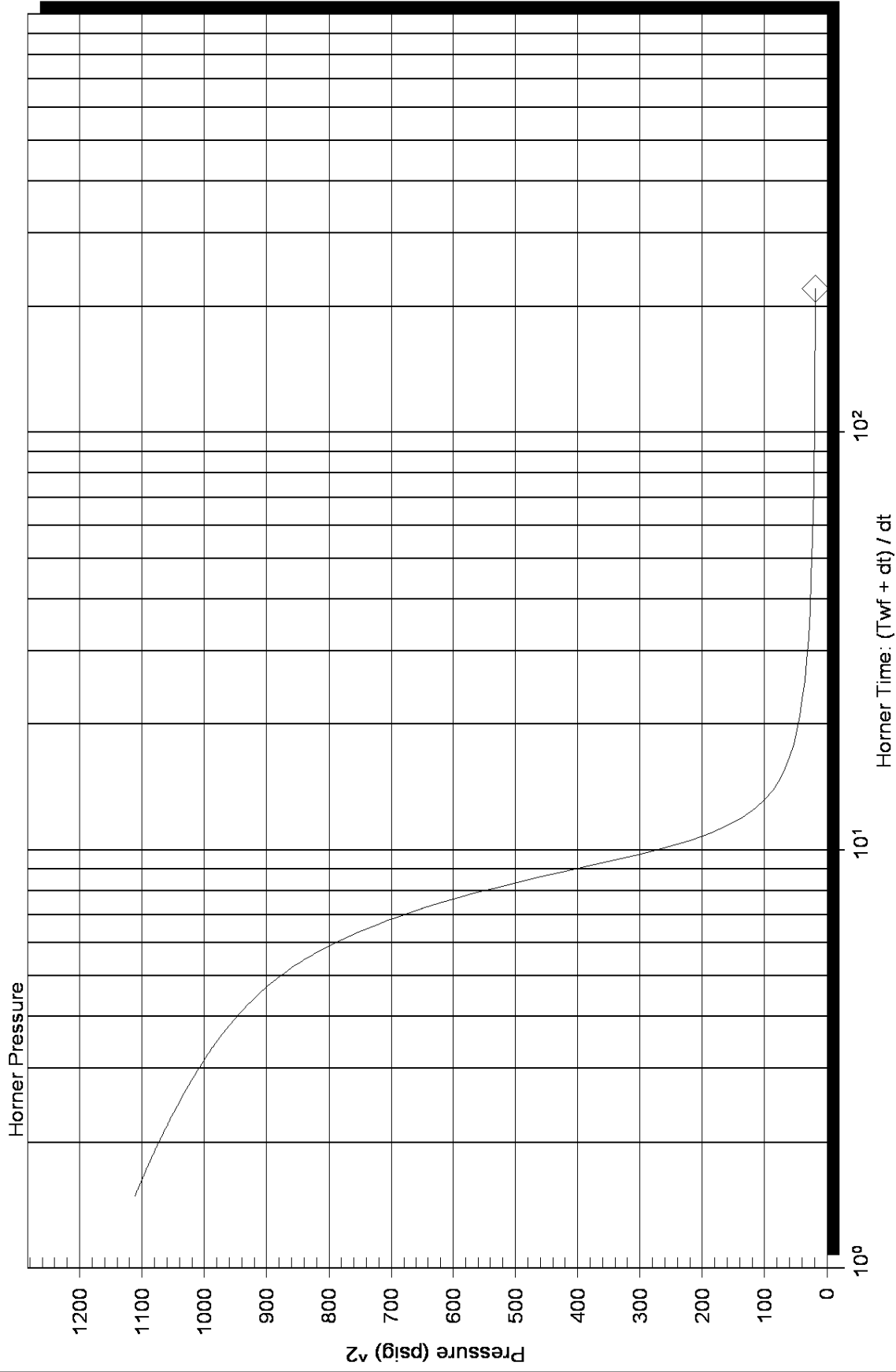
Horner Time: (Twf + dt) / dt

10¹

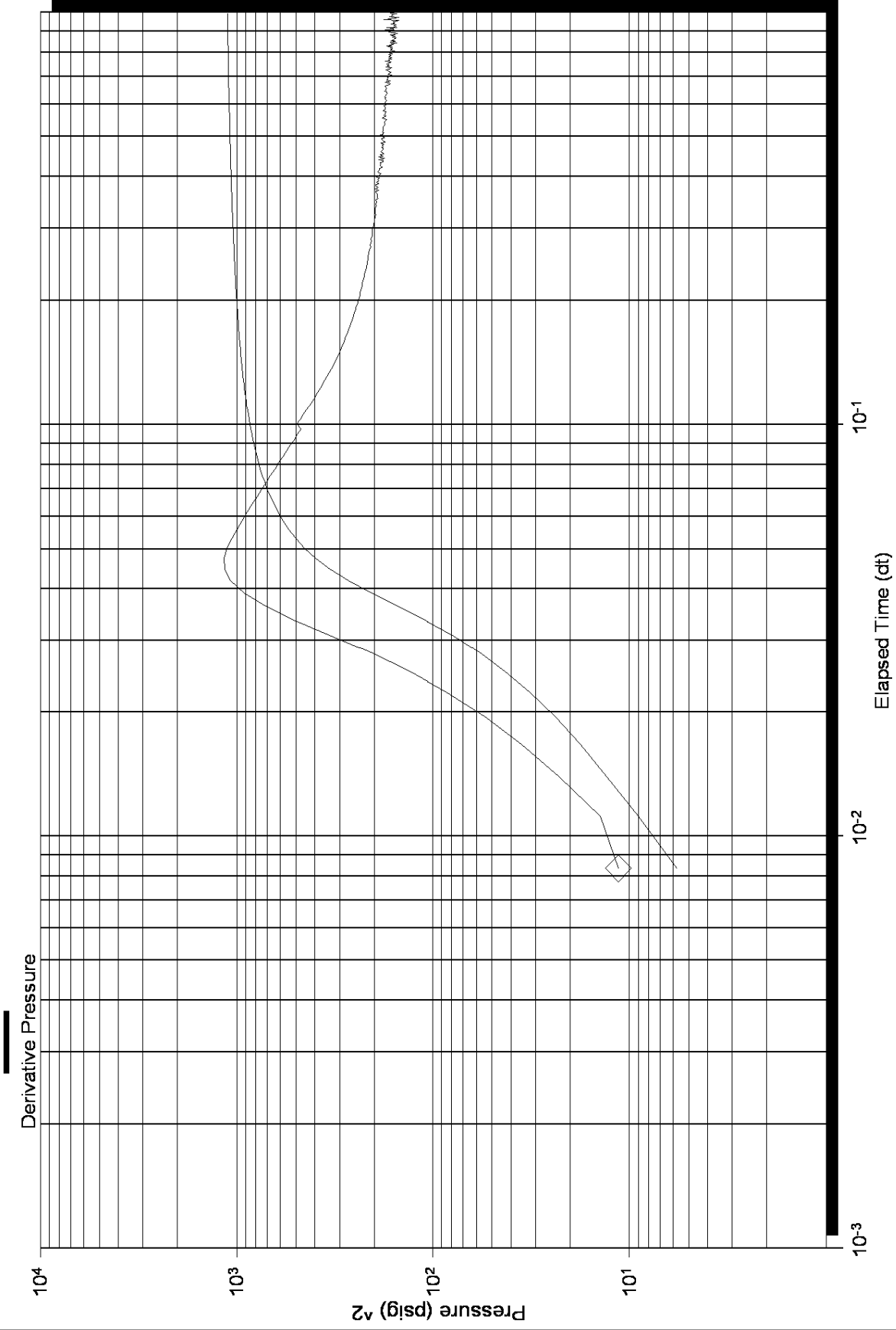
10⁰

Flow Cycle: 1

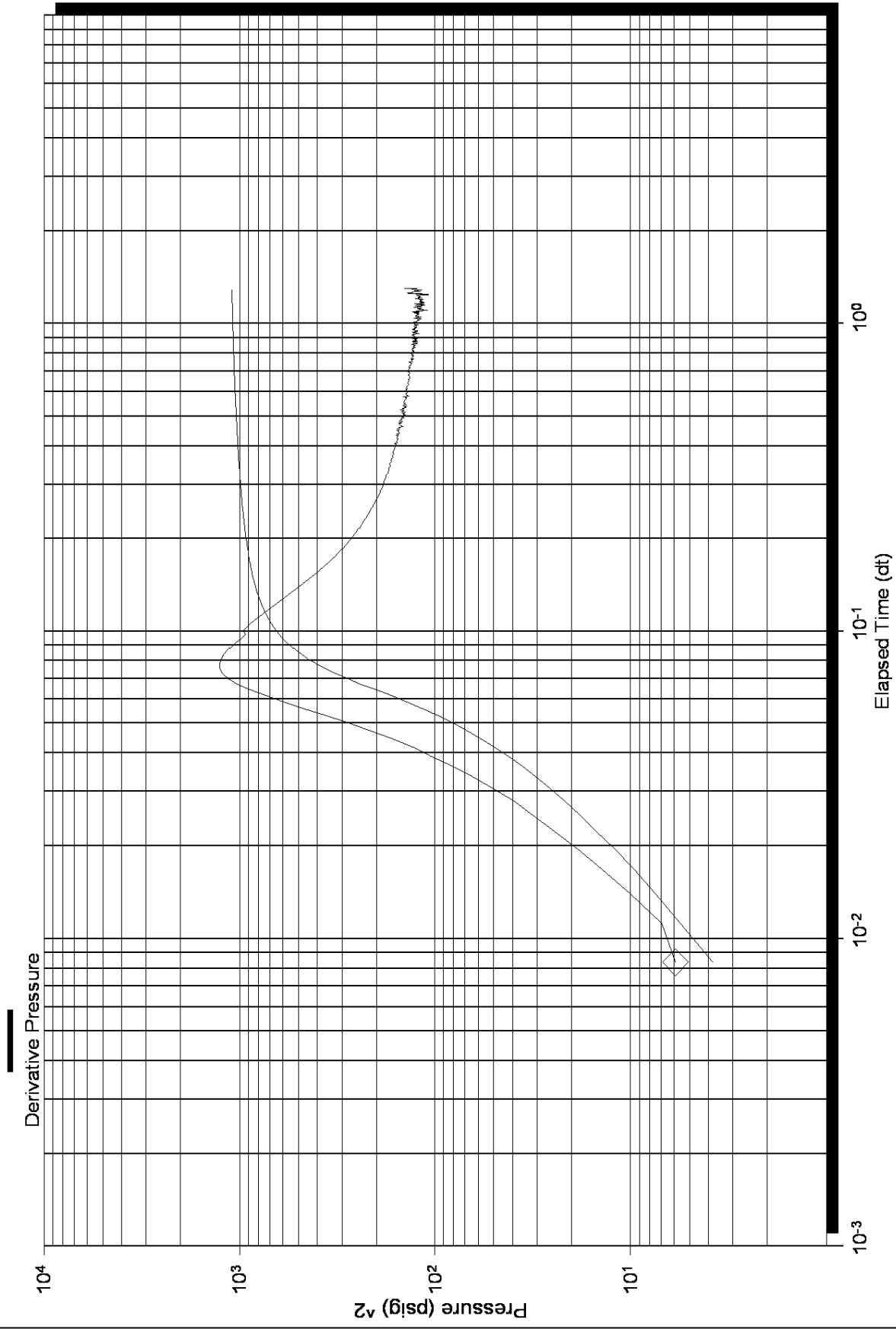
Homer Plot

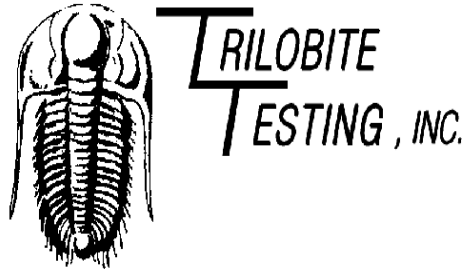


Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Log-Log





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary & Associates INC**

1515 Wynkoop
STE 700
Denver Co 80202

ATTN: Tom Fertal

18-17s-15w Barton

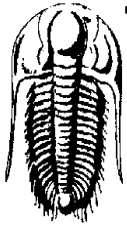
Stos ET AL #1-18

Start Date: 2010.06.30 @ 22:53:54

End Date: 2010.07.01 @ 06:02:14

Job Ticket #: 37239 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary & Associates INC

Stos ET AL #1-18

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Tom Fertal

18-17s-15w Barton

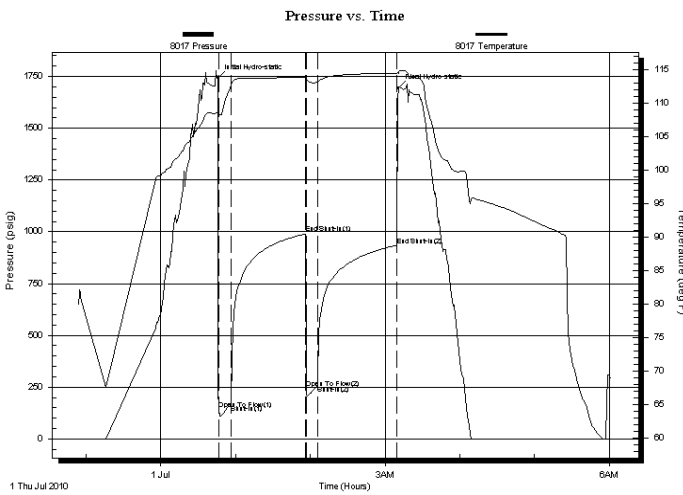
Job Ticket: 37239 **DST#: 3**
Test Start: 2010.06.30 @ 22:53:54

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:46:14
 Time Test Ended: 06:02:14
 Interval: **3528.00 ft (KB) To 3578.00 ft (KB) (TVD)**
 Total Depth: 3578.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Jeff Brown
 Unit No: 31
 Reference Elevations: 2013.00 ft (KB)
 2003.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8017 Inside
 Press@RunDepth: 258.63 psig @ 3535.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.06.30 End Date: 2010.07.01 Last Calib.: 2010.07.01
 Start Time: 22:53:59 End Time: 06:02:14 Time On Btm: 2010.07.01 @ 00:45:54
 Time Off Btm: 2010.07.01 @ 03:10:33

TEST COMMENT: IFP-Strong blow BOB in 1 1/2 min
 ISI Strong blow back BOB in 24 min
 FFP-Strong blow BOB in 1 min
 FSI-Strong blow back BOB in 34 min



PRESSURE SUMMARY

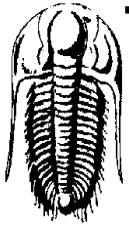
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1740.22	108.68	Initial Hydro-static
1	141.98	108.12	Open To Flow (1)
11	167.80	112.73	Shut-In(1)
71	990.44	113.87	End Shut-In(1)
71	242.94	113.53	Open To Flow (2)
80	258.63	113.19	Shut-In(2)
144	932.94	114.43	End Shut-In(2)
145	1692.85	114.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
252.00	Free Oil	3.53
189.00	MO10%M90%O	2.65
189.00	HOCGM50%O10%G40%M	2.65
0.00	504 GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary & Associates INC

Stos ET AL #1-18

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Tom Fertal

18-17s-15w Barton

Job Ticket: 37239

DST#: 3

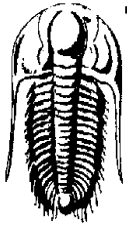
Test Start: 2010.06.30 @ 22:53:54

Tool Information

Drill Pipe:	Length: 3507.00 ft	Diameter: 3.80 inches	Volume: 49.19 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 49.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3528.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3500.00	
Shut In Tool	5.00			3505.00	
Hydraulic tool	5.00			3510.00	
Jars	5.00			3515.00	
Safety Joint	3.00			3518.00	
Packer	5.00			3523.00	29.00 Bottom Of Top Packer
Packer	5.00			3528.00	
Stubb	1.00			3529.00	
Perforations	5.00			3534.00	
Change Over Sub	1.00			3535.00	
Recorder	0.00	8017	Inside	3535.00	
Recorder	0.00	8352	Outside	3535.00	
Blank Spacing	31.00			3566.00	
Change Over Sub	1.00			3567.00	
Perforations	8.00			3575.00	
Bullnose	3.00			3578.00	50.00 Bottom Packers & Anchor
Total Tool Length:	79.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary & Associates INC
1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Tom Fertal

Stos ET AL #1-18
18-17s-15w Barton
Job Ticket: 37239 **DST#: 3**
Test Start: 2010.06.30 @ 22:53:54

Mud and Cushion Information

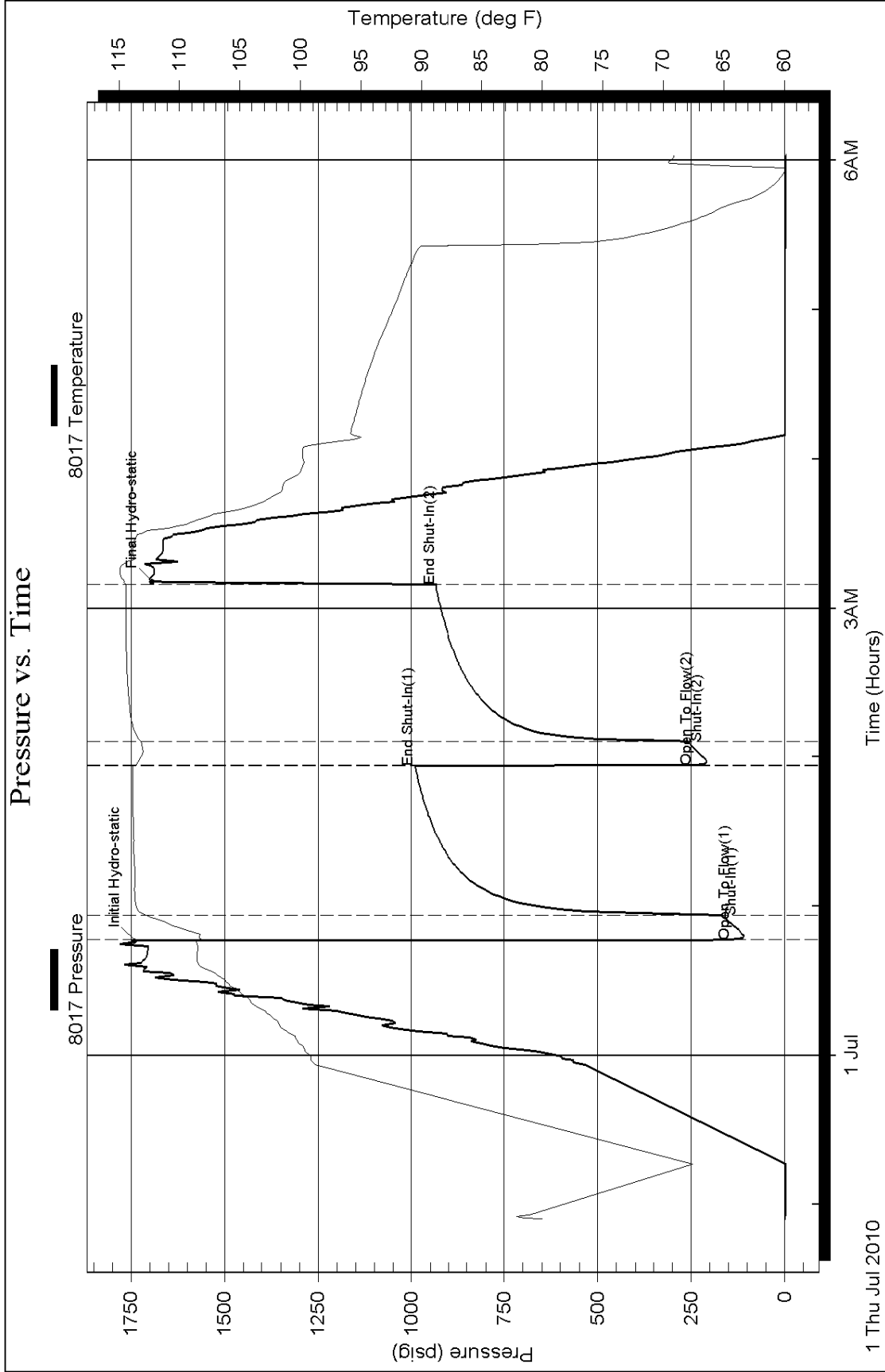
Mud Type: Gel Chem	Cushion Type:	Oil API: 32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.98 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4300.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
252.00	Free Oil	3.535
189.00	MO10%M90%O	2.651
189.00	HOCGM50%O10%G40%M	2.651
0.00	504 GIP	0.000

Total Length: 630.00 ft Total Volume: 8.837 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



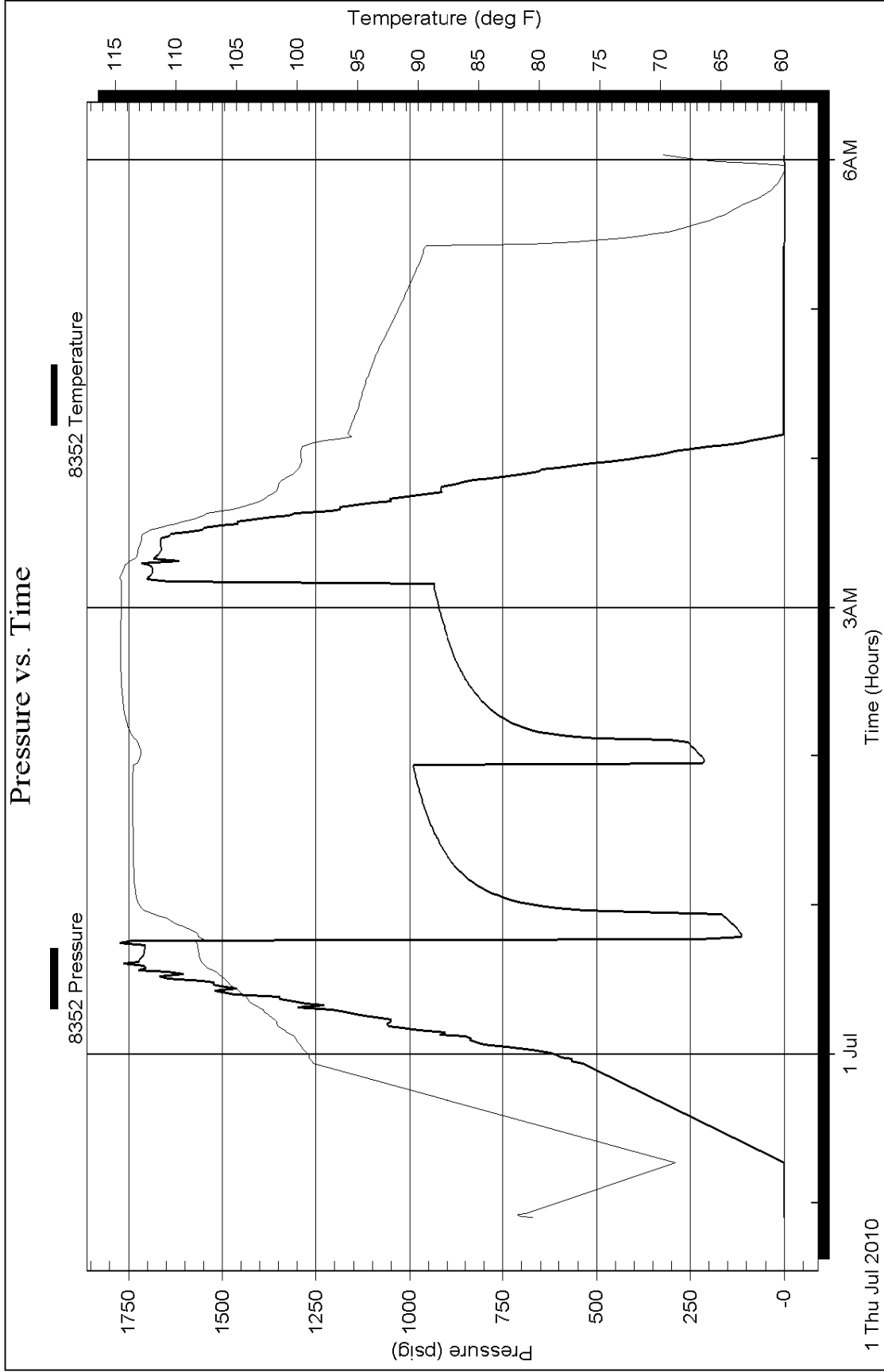
Serial #: 8352

Outside

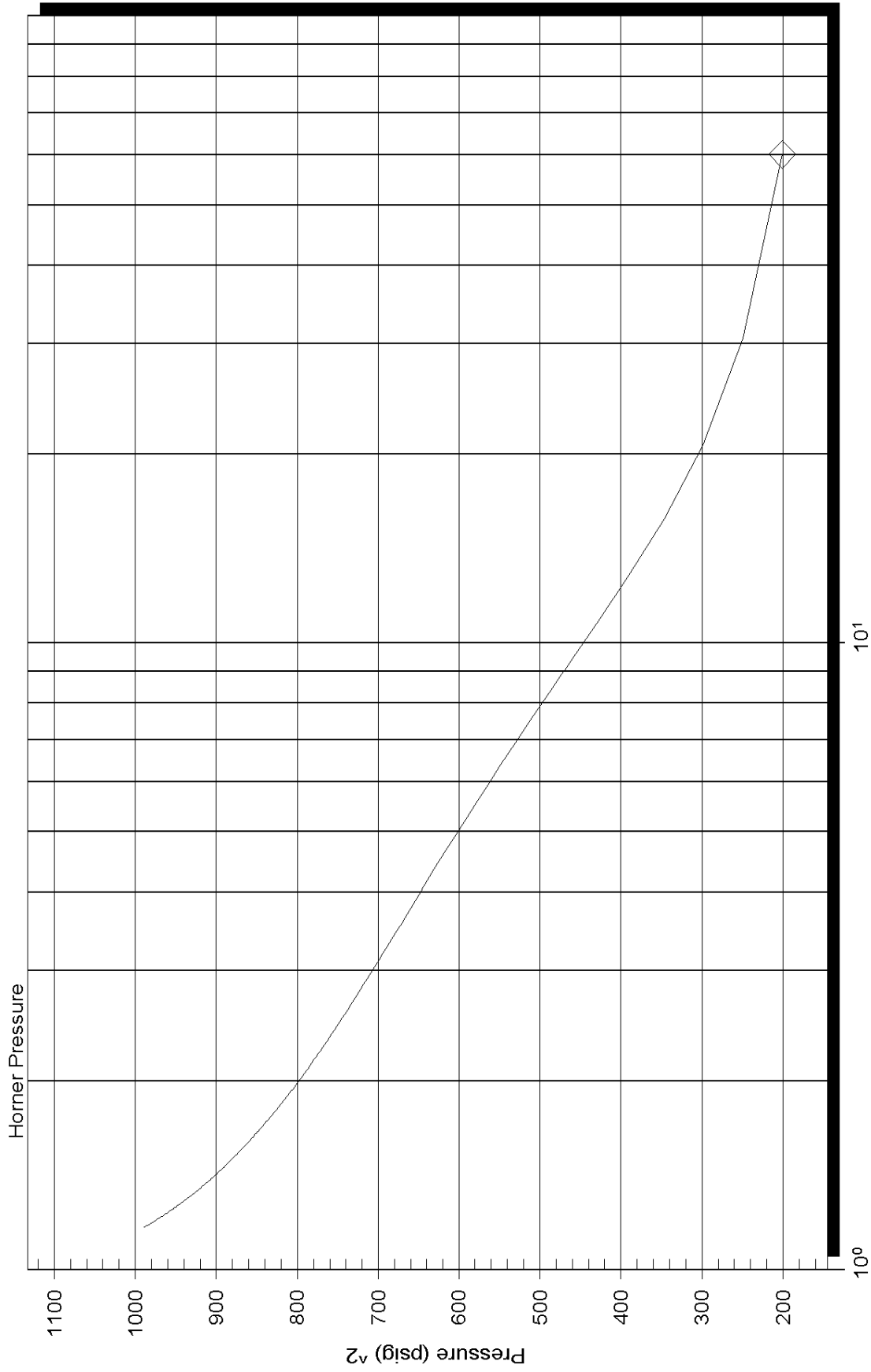
Samuel Gary & Associates INC

18-17s-15w Barton

DST Test Number: 3



Horner Plot



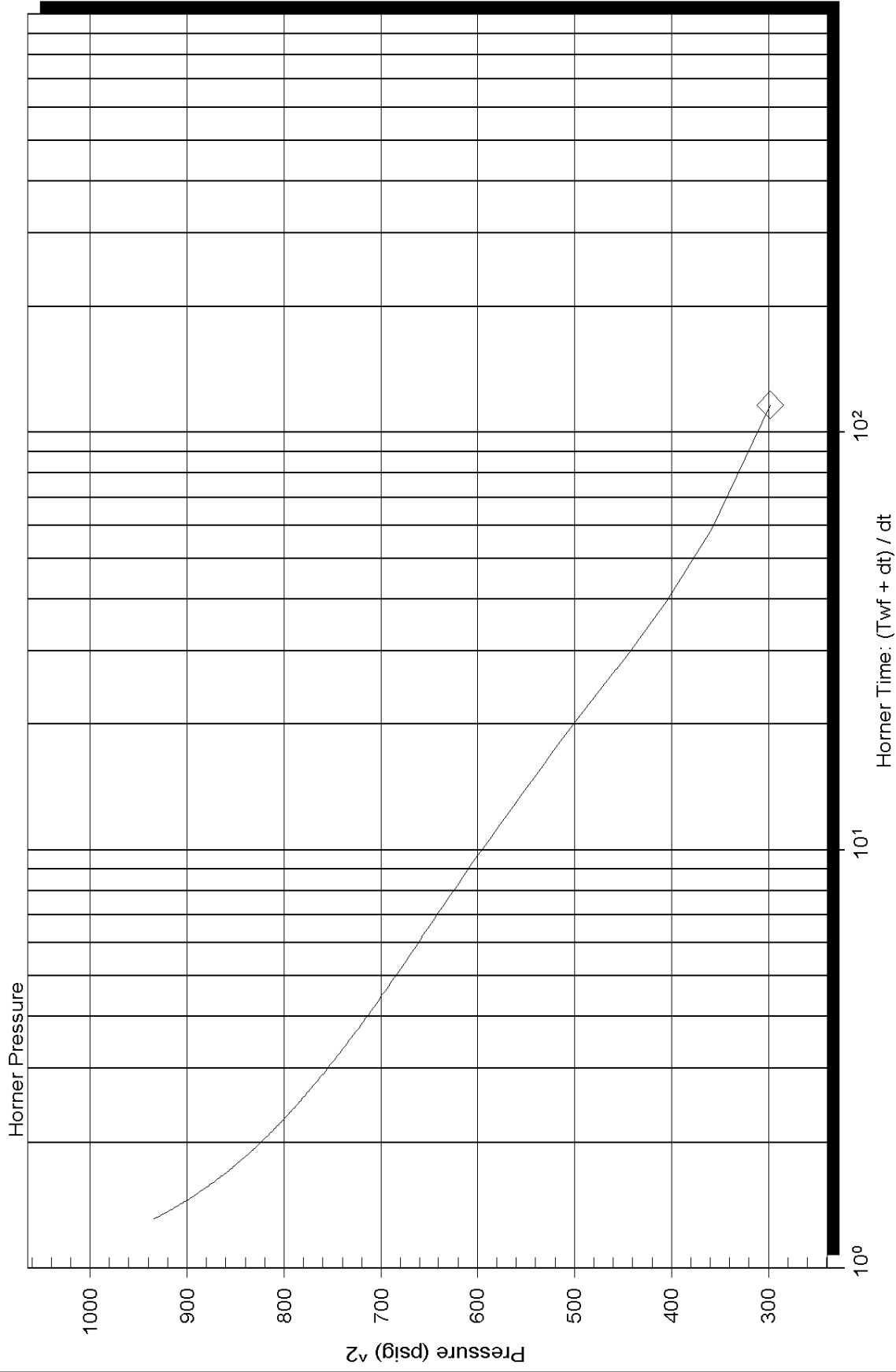
Serial Number: 8017 (Inside)

P* :

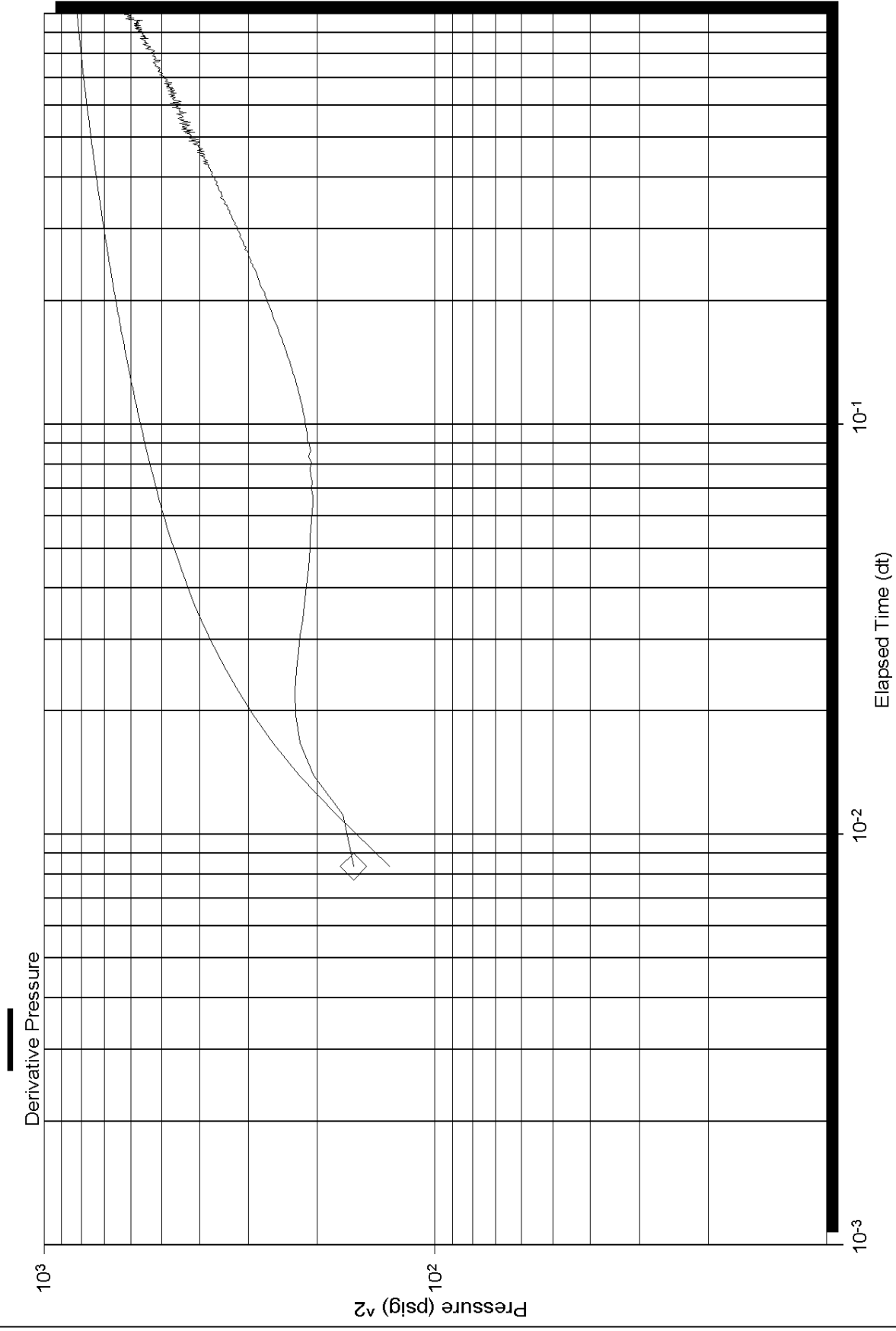
Slope (m) : kpa/log cycle

Flow Cycle: 1

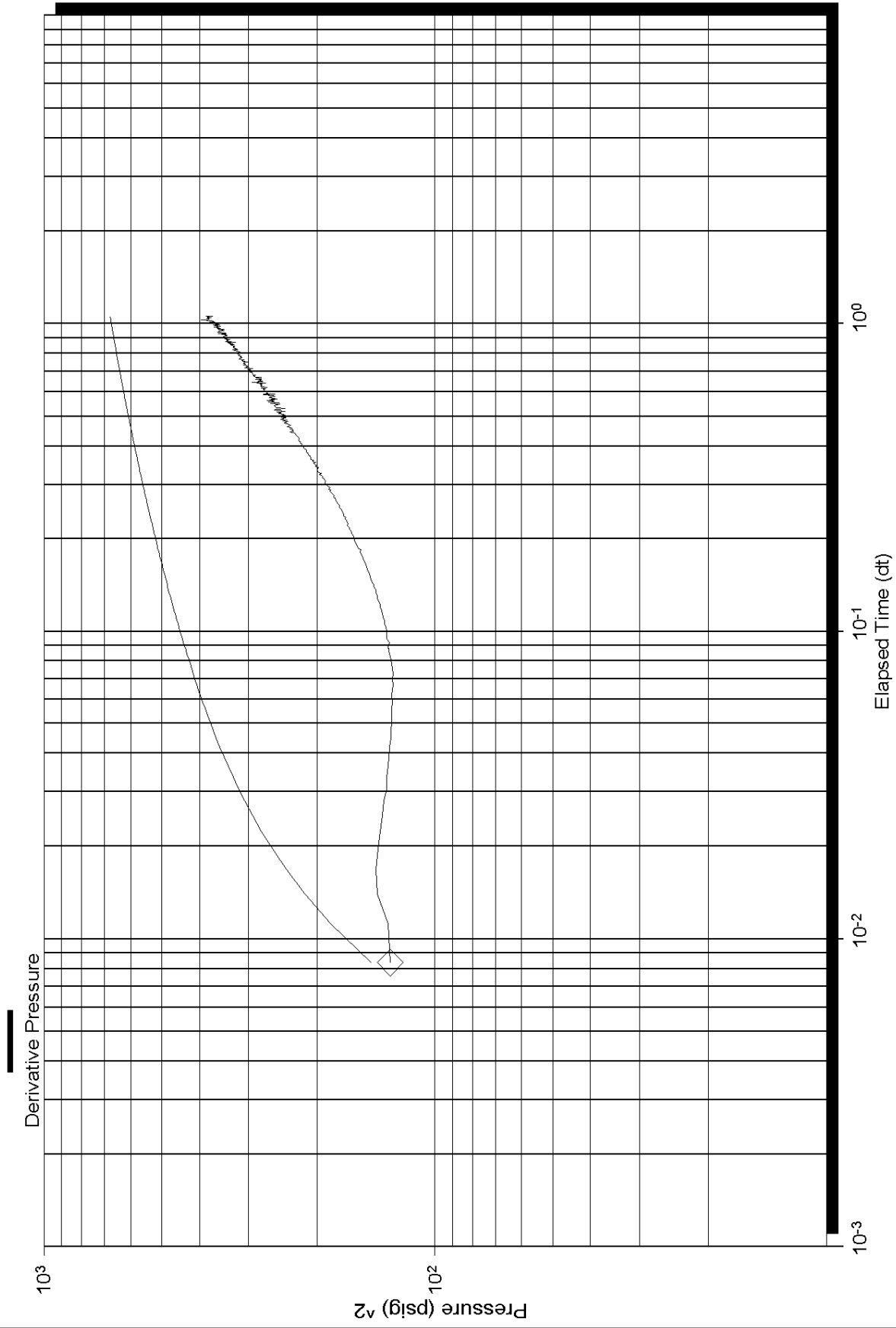
Horner Plot



Log-Log and Pseudo-Log-Derivative



Log-Log and Pseudo-Derivative





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

Well Name: STOS ET AL 1-18
Location: SEC 18-17S-15W , Barton co. Kansas
License Number: 15-009-25435-0000
Spud Date: 06/23/2010
Surface Coordinates: 250' FSL, 360' FEL
Region: Wildcat
Drilling Completed: 07/01/2010

Bottom Hole
Coordinates:
Ground Elevation (ft): 2003" K.B. Elevation (ft): 2013'
Logged Interval (ft): 1744' To: 3680' Total Depth (ft): 3680'
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 Wykoop, Ste. # 700
Denver, Colo. 80202
Geo: Tom Fertal

GEOLOGIST

Name: Rodney Napier
Company: Earth Tech OGL, Inc.
Address: PO Box 683
Hooker, Okla . 73945
Off. 888-543-8378 Cell: 620-655-8252

Circulating Report

START UN MANNED LOGGING UNIT 06/25/2010
START 24 HR MANNED UNIT 6/27/2010
CFS /CTCH3316' 20,40,60 TOTAL 1.5 HRS
TOH FOR STRAP ON PIPE AND COLLARS

DST's Report


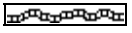
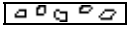
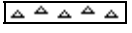
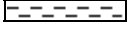



DST#1 3312'-3334' 22' ANCHOR
IFP WEAK BLOW BUILT TO 1 3/4"
ISI DEAD NO BLOW BACK
FFP WEAK BLOW BUILT TO 1 1/4"
FSI NO BLOW BACK
RECOVERY: 25' MUDDY WATER WITH OIL SPECKS BHT 111 CLORIDES 1900
IH:1610
FIF:16
FFF:24
ISI: 1118
SIF: 26
SFF: 39
FSI:1106
FH: 1474
TIMES: 15,60,60,180





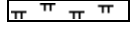
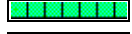
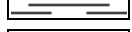
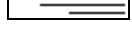
DST#2 3398'-3410'
ANCHOR 12'
IFP BLOW BUILT TO 3/4 IN
ISI DEAD NO BLOW BACK
FFP DEAD NO BLOW BACK
FSI DEAD NO BLOW BACK
RECOVERY: 10' MW WITH OIL SPECKS
BHT 110 DEG
IH:1647
FIF:13
FFF:15
ISI:1129
SIF:16
SFF:18
FSI:1112
FH:1511
TIMES 15,60,22,75

DST's Report







DST#3 3528'-3578'
ANCHOR 50'
IFP: STRONG BLOW IN 1 1/2 MIN
ISI:STRONG BLOW BACK BOB IN 24 MIN
FFP STRONG BLOW BACK IN 1 MIN
FSI STRONG BLOW BACK BOB IN 34 MIN
RECOVERY: 252' FREE OIL,189'MO/90% OIL 10% MUD
189' HOCGM 10% GAS, 50% OIL, 40% MUD, 504' GIP
TOTAL RECOVERY 630' BHT 114 DEG GRAVITY 32
IH:1722
FIF:142
FFF:168
ISI:990
SIF:243
SFF:259
FSI:933
FH 1589
TIMES: 10,60,10,60

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
	Sltyslts
	Lms

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- 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
- Sity

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

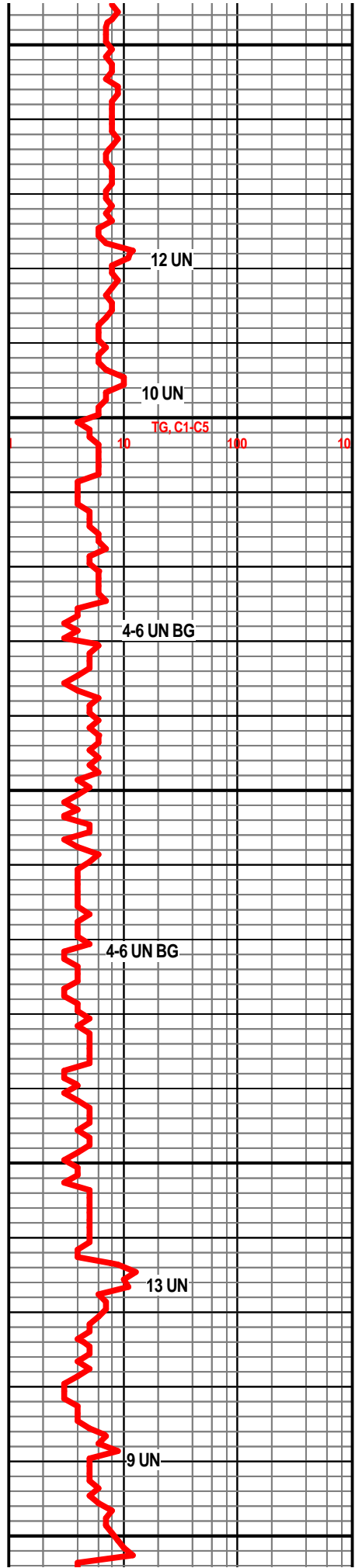
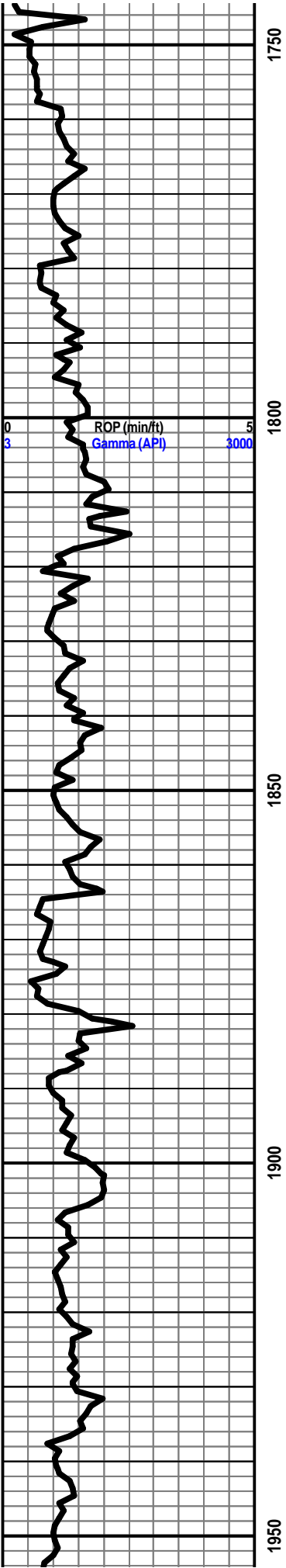
INTERVALS

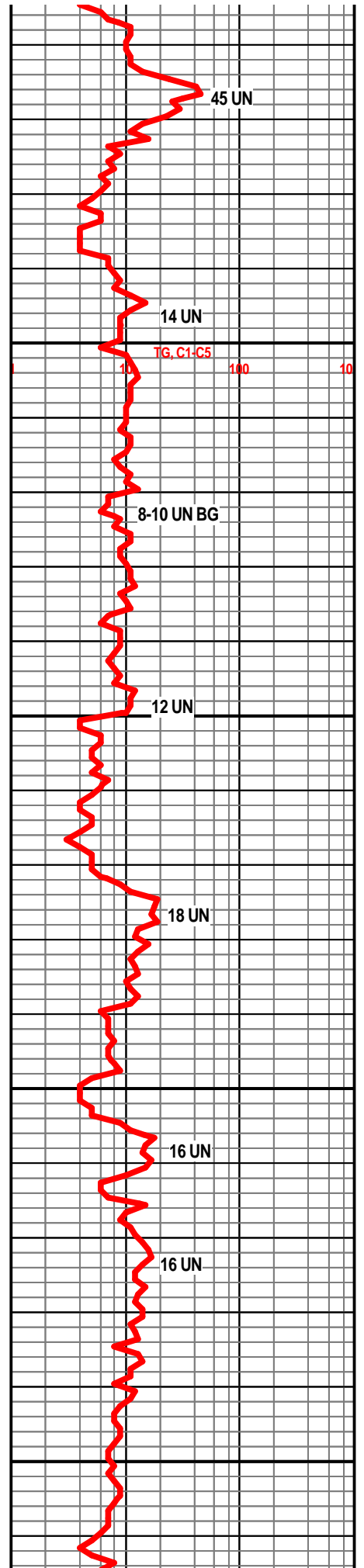
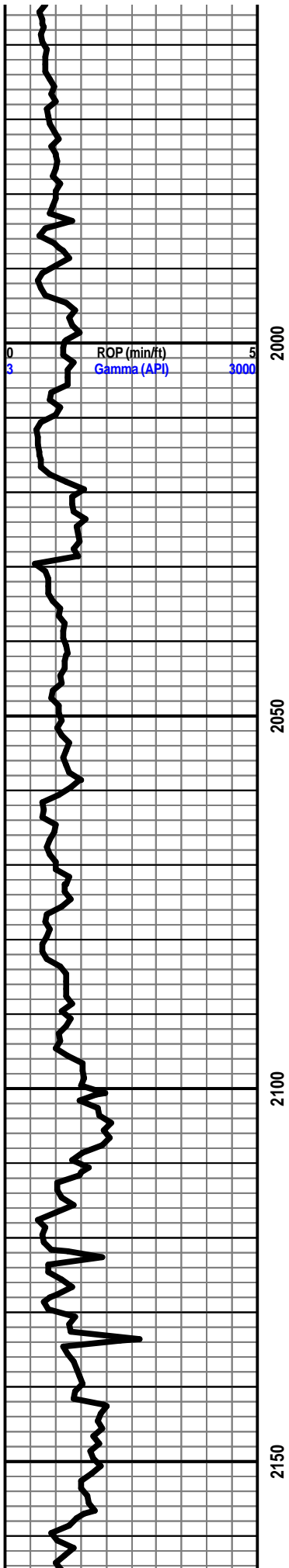
- Core
- Dst
- Dst

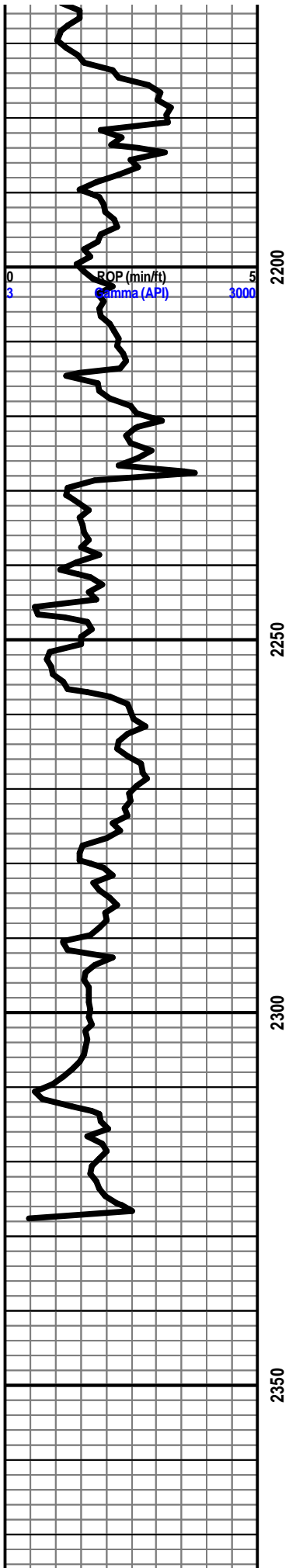
EVENTS

- Rft
- Sidewall

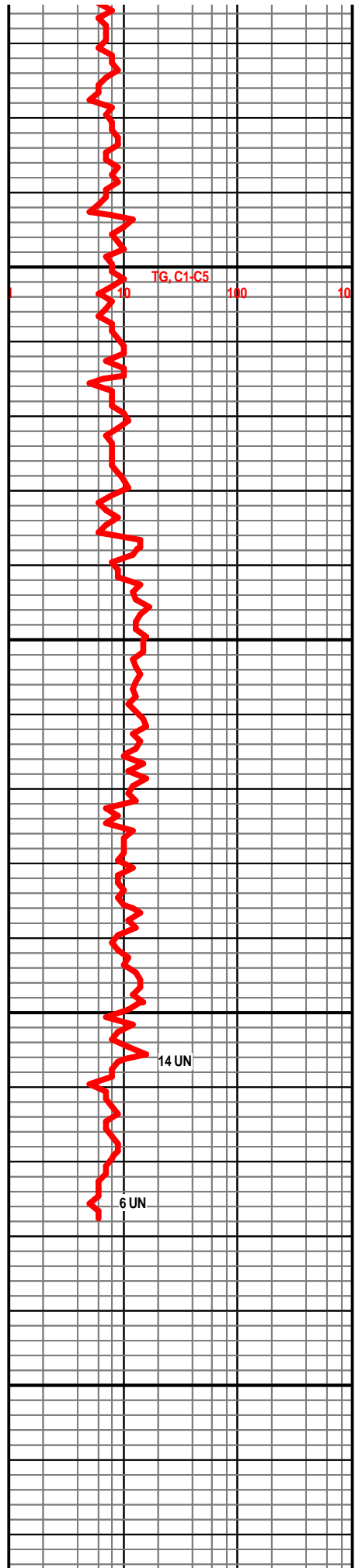
Curve Track 1		Depth	Lithology	Oil Shows	Geological Descriptions	TG, C1-C5			
ROP (min/ft)	Gamma (API)					TG (units)	C1 (units)	C2 (units)	C3 (units)
0	5	17			START UN MANNED LOGGING UNIT 06/25/2010	10	100	10	10
DRILLING CONTRACTOR VAL-6						DRILLING CONTRACTOR VAL-6			
DRILLING CONTRACTOR VAL-6						SURVEY'S 1092' 2 DEG 3316' 1 DEG			

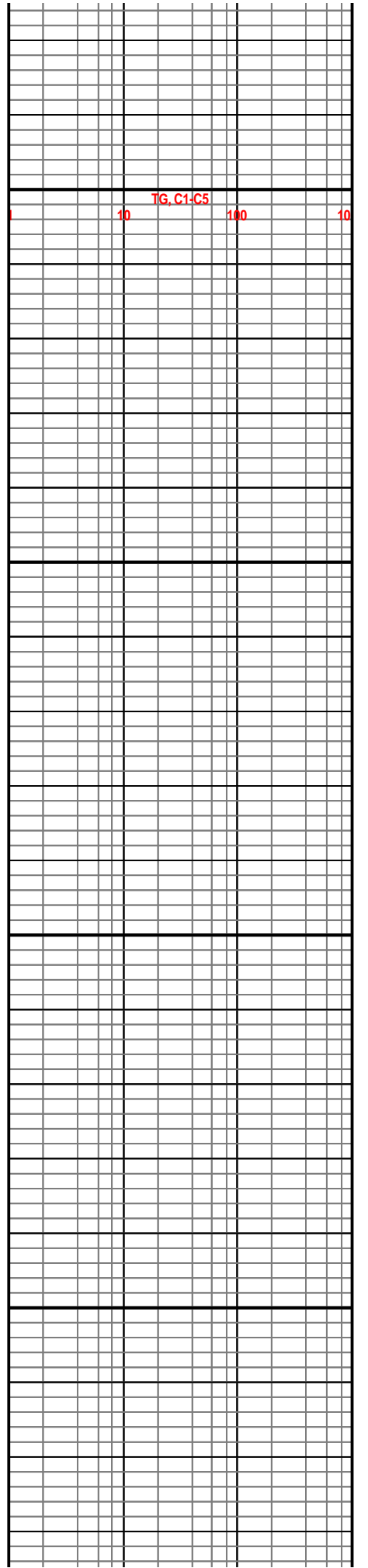
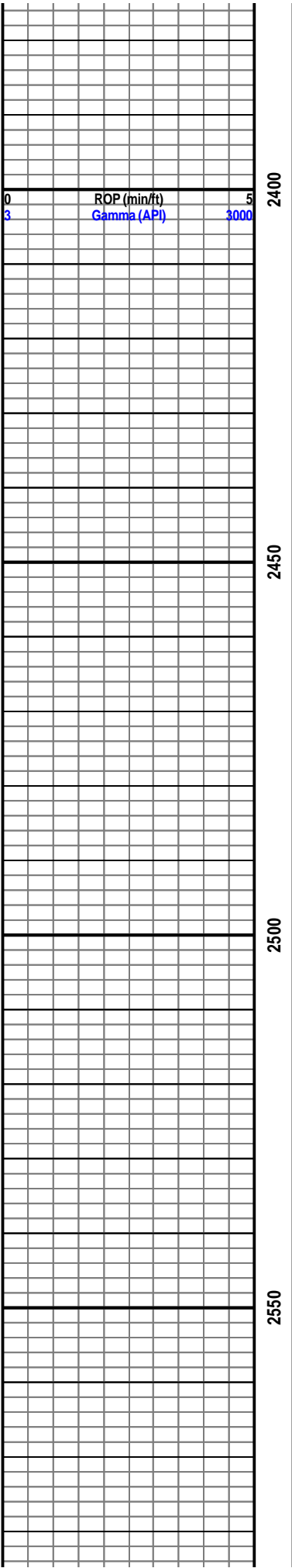


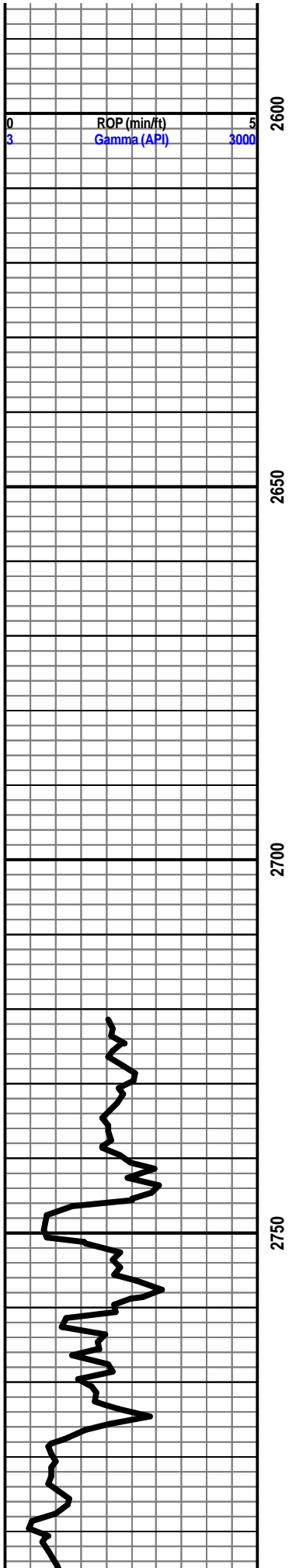




COMPUTER WAS OFF STARTING 2327'

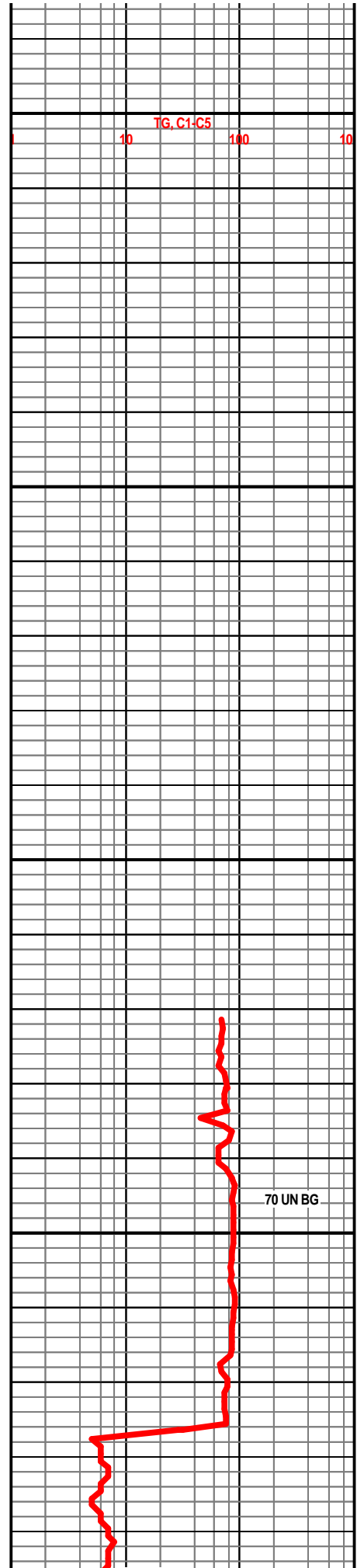


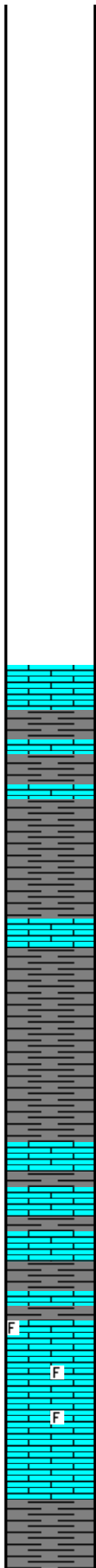
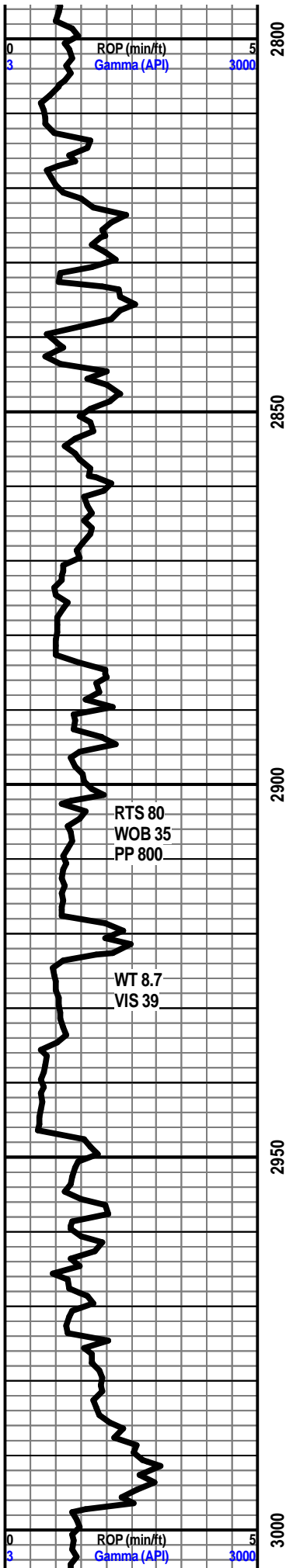




COMPUTER TURNED BACK ON 2721'

BASE ROOT SHALE 2751' -738'





START DISPLACEMENT @2808'

DISPLACEMENT COMPLETE 2848'

START 24 HR MANNED UNIT 6/27/2010

SH GRY BRN FRM BLKY TO SMOOTH BRITT SILTY IP

2920' @ 00:01 AM 06/28/2010

SH DK GRY TO GRY SMOOTH SFT TO SILTY

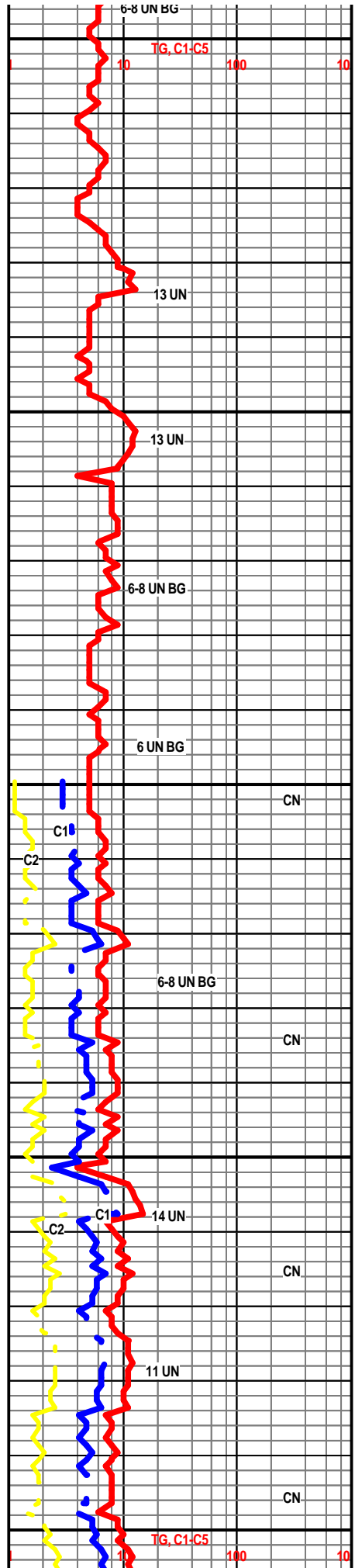
HOWARD 2947' -934'

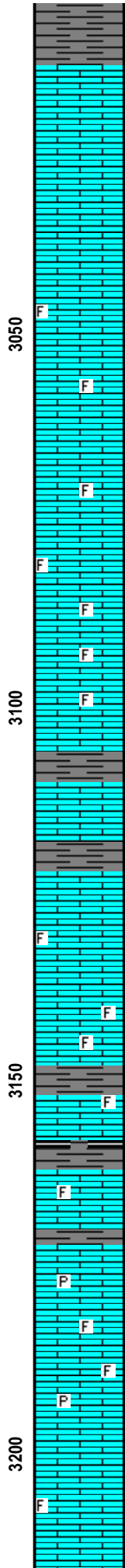
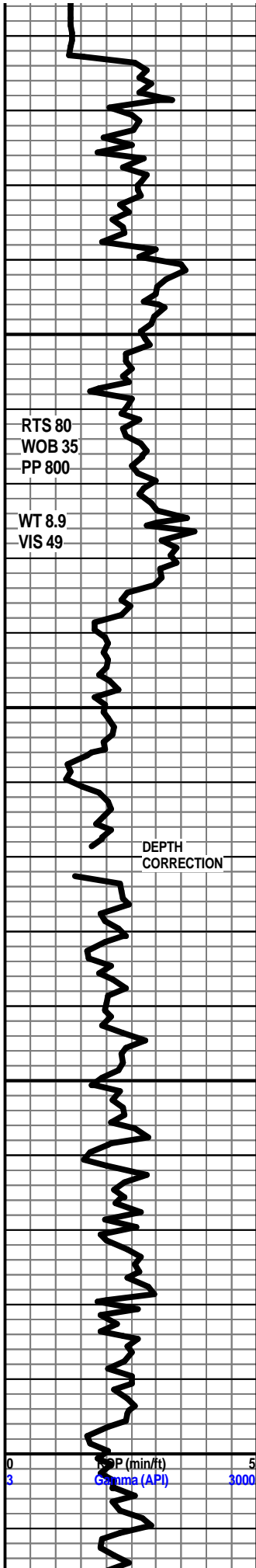
LS GRY TN LT TN HD DN BRITT VVFN TO FN XLN MTX DIS GRY SH IP NO FLO NO VIS POR NO VIS SHOW

LS TN LT TN BUFF HD TO FRM BRITT VVFN TO FN XLN MTX SUB-CHLKY IP TR IMBD GRY SH IP TR IMBD FOSS FRG IP TR POOR INTERXLN POR NO FLO NO CUT NO VIS SHOW

LS DK GRY TO GRY HD DN TT CRYPTO TO VVFN XLN MTX NO FLO NO VIS POR NO VIS SHOW

SH LT GRY LT BRN SMOOTH SFT SILTY THRU





TOPEKA 3013' -1000'

LS LT GRY TN LT TN BUFF MOTT IP HD DN BRITT VVFN TO FN XLN MTX RE-XLN MTX IP TR IMBD SM QRTZ XLS IP SCATT TR LT YLW FLO IP TO NO FLO POSS TT INTERXLN POR IP NO CUT NO VIS SHOW

LS LT TN BUFF HD DN TT CRYPTO TO VVFN XLN MTX TR IMBD FOSS FRG IP TR DULL YLW FLO NO CUT NO VIS POR NO VIS SHOW

LS CRM BUFF LT TN HD TO FRM BRITT VVFN TO FN XLN MTX SUB-CHLKY TR IMBD FOSS TR DULL YLW TO LT YLW FLO TR POOR MICRO PP POR IP TO NO POR NO CUT NO VIS SHOW

LS DK TN TO TN HD DN TT CRYPTO TO VVFN XLN MTX NO FLO NO VIS POR NO VIS SHOW

LS TN LT TN BUFF HD TO FRM VVFN TO FN XLN MTX TR IMBD FOSS IP SUB-CHLKY IP TR IMBD FOSS IP SUCRO TXT IP SCATT LT YLW FLO NO VIS POR NO CUT NO VIS SHOW

SH GRY LT GRY TN BUFF MOTT HD TO FRM VVFN TO FN XLN MTX TR DISS GRY SH IP NO FLO

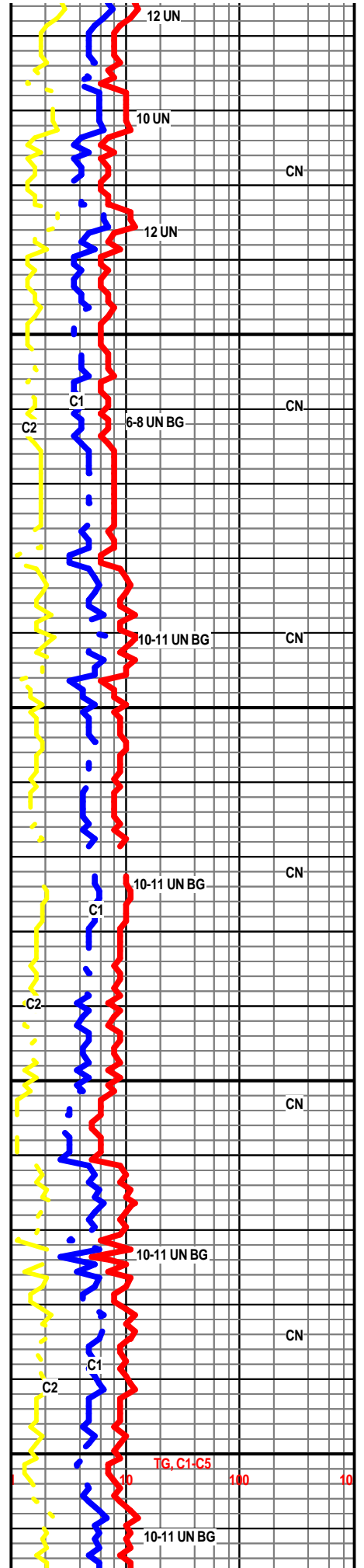
Le COMPTON 3124' -1111'

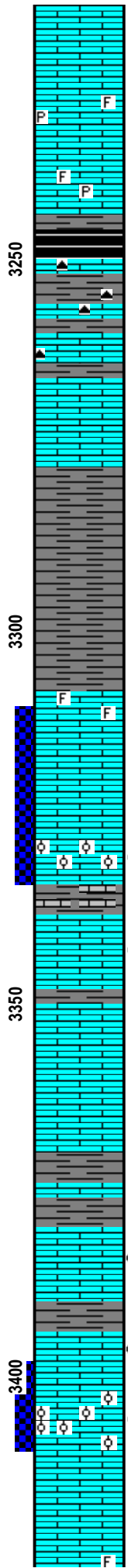
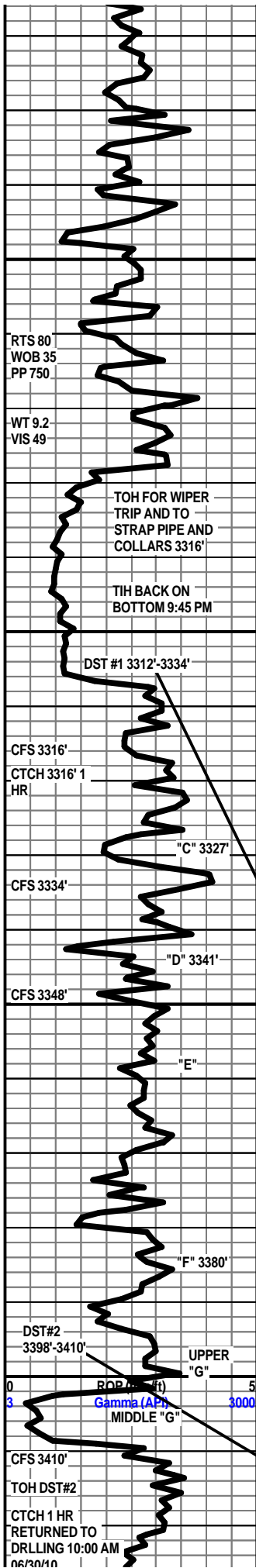
LS TN LT TN BUFF CRM FRM VVFN TO FN XLN MTX TR IMBD FOSS FRG IP TR IMBD SM QRTZ XLS IP TR IMBD VR/SM LS GRNS IP SUCRO TXT IP SCATT DULL YLW FLO POSS TT INTERXLN POR TO TR VUGS IP ONLY NO STAIN NO ODOR NO CUT NO VIS SHOW

LS CRM BUFF TR OFF WHT HD DN BRITT CRYPTO TO VVFN TO FN XLN MTX TR LOOSE FOSS FRG IN TRAY DISS GRY TO BRN SH NO FLO NO VIS POR NO VIS SHOW

LS LT TN CRM BUFF HD TO FRM BRITT CRYPTO TO VVFN TO FN XLN MTX TR IMBD FOSS FRG TR PYR IP NO FLO NO VIS POR NO VIS SHOW

LS TN LT TN BUFF HD TO FRM VVFN TO FN XLN MTX TR IMBD FOSS IP SUB-CHLKY IP TR IMBD FOSS IP SUCRO TXT IP SCATT LT YLW FLO NO VIS POR NO CUT NO VIS SHOW





LS GRY DK TN TO TN BUFF MOTT FN TO TR MD XLN MTX RE-XLN MTX IMBD FOSS TR PYR NODULES IN TRAY NO FLO NO VIS POR NO VIS SHOW

HEEBNER 3245' - 1232'

SH BLK CRAB

LS DK TN TO TN HD DN TT CRYPTO XLN MTX TR GRN CHERT IP DISS TO IMBD DK GRY SH IP NO FLO NO VIS POR NO VIS SHOW

LS GRY LT GRY HD DN TT CRYPTO XLN MTX NO FLO NO VIS POR NO VIS SHOW

DOUGLAS 3277' -1264'

SH DK GRY TO GRY SMOOTH FRM TO SFT SPLNTY SILTY IP

LANSING 3306' -1293'

LS TN LT TN CRM BUFF HD DN TT TO BRITT CRYPTO TO VVFN TO FN XLN MTX TR IMBD FOSS IP SUCRO TXT IP LT BRITE YLW FLO 70% NO STAIN NO ODOR NO CUT NO VIS SHOW

3327'-3334' LS CRM BUFF OFF WHT FRM BRITT FN TO MD XLN MTX RE-XLN MTX IMBD OOLITES SUB-CHLKY TR V/FN CALC XLS IMBD IN VUGS TO TR IMB QRTZ XLS IP ONLY LT BRITE YLW FLO 58% STAIN 25% HAS FAIR ODOR 40,60,80 MIN SAMPLES VUG POR 10% POOR TO FAIR TO TR GOOD INTER FOSS POR 40% FAIR FLUSH CUT SLOW MILKY BLUE STREAM CUT FROM TWO ROCKS TO LT BRITE YLW RING CUT

LS OFF WHT TO WHT FRM BRITT VVFN TO FN XLN MTX TR IMBD OOLITES TR IMBD CHLK TR IMBD FOSS FRG TR PYR NODULES IN TRAY TR HD CHLK PIECES WITH DEAD OIL STAIN TR DEAD OIL STAIN ONE ROCK FAINT TR LT BRN STAIN ON TWO ROCKS SCATT LT YLW FLO 5% TR MICRO VUGS ONE ROCK TR MICRO PP POR NO OTHER VIS POR FAINT ODOR TO NO ODOR VR FAINT FLUSH CUT TO NO CUT VRY POOR SHOW

LS CRM BUFF OFF WHT TO WHT HD DN TT CRYPTO TO VVFN XLN MTX TR IMBD FOSS IP TR LMNTD PYR IP LT YLW FLO NO ODOR NO STAIN NO VIS POR NO VIS SHOW

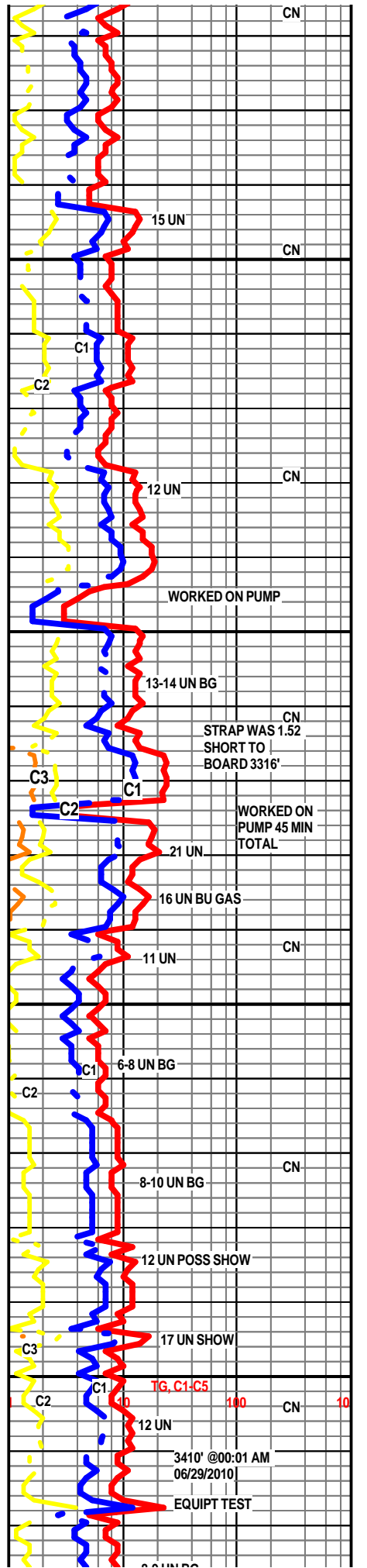
3380'-3386' LS DK TN TO TN LT TN CRM BUFF MOTT IP HD DN TT VVFN TO FN XLN MTX IMBD FOSS TR LT YLW FLO 3% TR STAIN ON TWO ROCKS FAINT ODOR FAINT FLUSH CUT POOR TIGHT SHOW

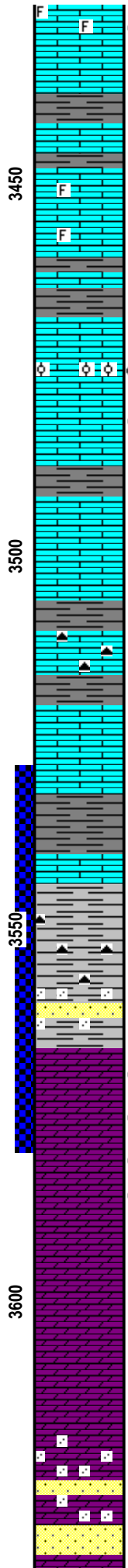
3394'-3401' LS CRM BUFF OFF WHT HD DN TT CRYPTO TO VVFN TO FN XLN MTX RE-XLN MTX TR IMBD FOSS IP ONLY TR IMBD PYR TR IMBD SM QRTZ XLS IP TR STAIN 10% LT YLW TO DULL YLW FLO 30% FAINT TO POOR ODOR NO VIS POR VRY FAINT FLUSH CUT POOR TT SHOW

LS 3401'-3410' LS CRM BUFF LT TN TN ON ROCK DUE TO STAIN HD TO FRM FN TO MD XLN MTX OOMOLDIC THRU IMBD OOLITES THRU TR IMBD CHLK IP ONLY TR VR/SM CALC XLS IMBD IN VUGS TR GUMMY WHT CHLK IP LT BRITE YLW FLO 60% TR LIVE OIL ON 20% FAIR TO GOOD ODOR FAIR TO GOOD INTEROOLITIC POR FAIR MICCRO PP POR TO GOOD VUG POR INSTANT FLUSH CUT TO SLOW MILKY BLUE STREAM CUT

3409'-3421' LS LT GRY TN LT TN BUFF HD DN TT CRYPTO XLN MTX NO FLO NO VIS POR NO VIS SHOW

3421'-3431' LS LT TN CRM BUFF OFF WHT LT GRY IP MOTT HD DN





BRITT VVFN TO FN XLN MTX IMBD FOSS TR IMBD OOLITES IP TR LMNTD PYR IP SUB-CHLKY IP LT BRITE YLW MIN FLO THRU TR DEAD OIL STAIN ON TWO ROCKS NO VIS POR FAINT TO NO FLUSH CUT TO VRY FAINT LT YLW RING CUT.

3431'-3450' LS LT GRY TN CRM BUFF HD DN TT TO BRITT VVFN TO FN XLN MTX TR IMBD PYR IP TR DISS GRY SH IP NO FLO NO VIS POR NO VIS SHOW

3450'-3460' GRY LT GRY DK TN TO TN HD DN TT CRYPTO TO VVFN XLN MTX TR IMBD FOSS IP LT YLW FLO IP NO VIS POR NO VIS SHOW

SH DK GRY TO GRY FRM SMOOTH BRITT CALC TO LMY

LS TN LT TN CRM BUFF HD TO FRM BRITT FN XLN MTX TR MD XLN MTX RE-XLN MTX IP TR IMBD VR/SM OOLITES TO TR MD OOLITES IP VRY FAINT ODOR TR STAIN ON TWO ROCKS LT BRITE YLW FLO 70% POSS TT INTERXLN POR TO NO POR FAINT TO POOR FLUSH CUT SLOW SPURTY MILKY BLUE STREAM CUT FROM ONE ROCK POOR TT SHOW

3480-3488' LS CRM OFF WHT TO WHT HD TO FRM BRITT CRYPTO TO FN XLN MTX TR IMBD FOSS TR VR/FN CALC XLS IP TR IMBD CLR QRTZ XLS IP LT YLW FLO 60% NO ODOR TR OIL STAIN ON 1% NO VIS POR FAINT INSTANT FLUSH CUT TO NO CUT POOR TT SHOW

LS DK TN TO TN GRY TO LT GRY HD DN TT CRYPTO XLN MTX THRU DISS GRY SH IP NO FLO NO VIS POR NO VIS SHOW

LS TN BUFF HD DN TT CRYPTO XLN MTX TR LT TN TO OPAQUE CHERT IP NO FLO NO VIS POR NO VIS SHOW

LS CRM OFF WHT TO WHT HD DN TT CRYPTO TO VVFN TO FN XLN MTX TR SM LOOSE QRTZ XLS IN TRAY TR LMNTD PYR IP TR DISS DK BRN SH IP NO FLO NO VIS POR NO VIS SHOW

BASE KANSAS CITY 3532' -1519'

SH DK GRY TO GRY HD TO FRM BLKY CALC SMOOTH BRITT

SH DK BRN TO BRN /RED HD SMOOTH WAXY TXT TR IMBD LT BRN TO TN ORNG CHERT IP TR IMBD SUB-RND TO RND SM SS GRNS IP

SS CLR FRSTY WHT UNCONSOLIDATED SM SUB-ANG TO SUB-RND SS GRNS TR MD SUB-RND TO RND SS GRNS NO STAIN NO ODOR NO CUT NO VIS SHOW

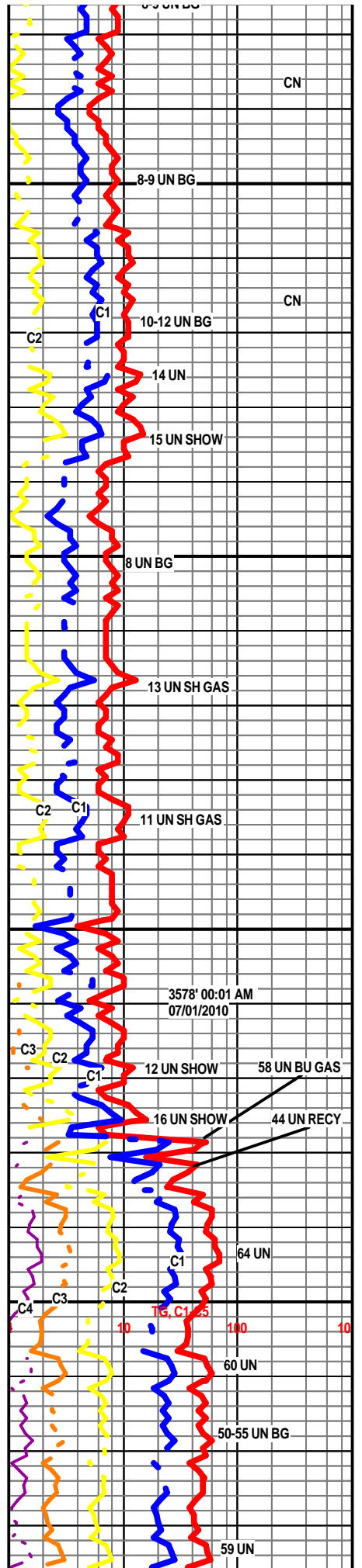
ARBUCKLE 3568' -1555'

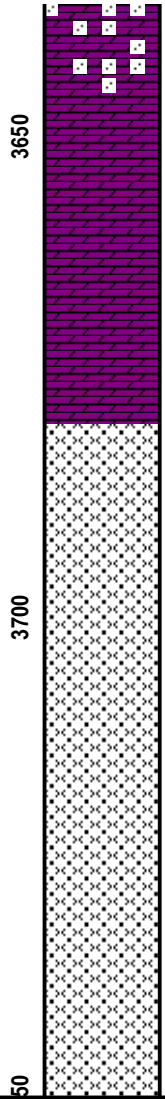
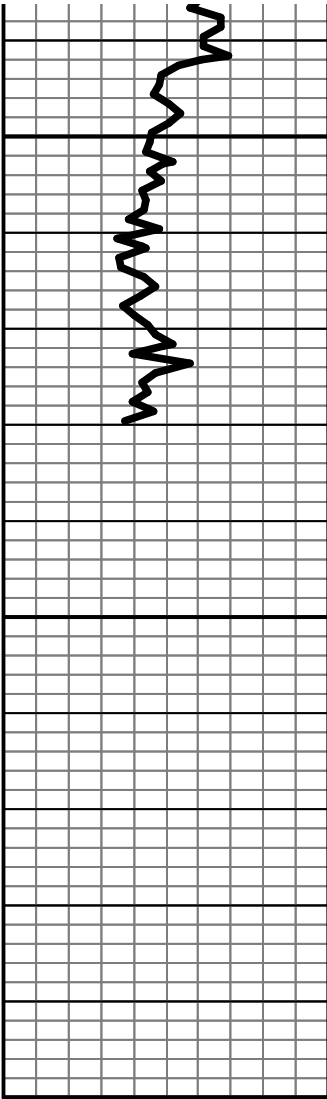
3568'-3573' DOL LT TN DUE TO STAIN OFF WHT TO WHT HD FRM VVFN TO FN TO MD XLN MTX CLUSTERS OF ANG TO SUB-ANG DOL GRNS WITH TR IMBD SM TO MD CLR TO FRSTY QRTZ XLS TR SM DOL GRNS SUCRO TXT IP TR IMBD FOSS ONE ROCK STAIN IN 65% OF ROCK LT BRITE YLW FLO 40% GLDN YLW FLO 50% POOR TO FAIR TO TR GOOD INTERXLN POR TR MICRO PP POR 20% INSTANT FAIR TO GOOD ODOR 20-60 MIN SAMPLE INSTAN FLUSH CUT TO SLOW MILKY BLUE STREAM CUT TWO ROCKS STRONG MILKY BLUE STREAM CUT TO GLDN YLW RING CUT TO BRN LEACH ON DISH

3573'-3578' DOL TN LT TN BUFF HD TO FRM FN XLN MTX SM IMBD SM DOL XLS TR IMBD SM TO MD QRTZ XLS TR VRY SM CALC XLS IP SUCRO TX FAIR TO GOOD ODOR GLDN YLW FLO THRU STAIN 45% 5% ROCK SATURATED WITH STAIN TR LIVE OIL IP. POOR TO FAIR INTERXLN TO FAIR PP AND MICRO PP POR TR VUGS IP INSTANT FLUSH CUT TO GOOD STRONG MILKY BLUE STREAM CUT

3578'-3587' DOL TN LT TN DUE TO STAIN BUFF OFF WHT TO LT GRY HD TO FRM VF-FN XLN MTX TO MD XLN MTX IMBD SM TO MD ANG DOL XLS TR IMBD CLR TO FSTY WHT QRTZ XLS TR IMBD OOLITES IP DULL GLDN TO LT GLDN FLO THRU STAIN 45% POOR TO FAIR INTERXLN POR TO TR PP POR INSTANT FLUSH CUT TO GOOD SLOW MILKY BLUE STREAM CUT

3587'-3616' DOL OFF WHT TO WHT HD TO FRM BRITT VVFN TO FN XLN MTX SUB-CHLKY TO CHLKY IMBD VR/SM TO SM SUB-RND TO RND DOL GRNS POSS POOR TO FAIR INTERXLN TO INTER GRAN POR LT YLW FLO NO STAIN NO ODOR NO CUT N VIS SHOW





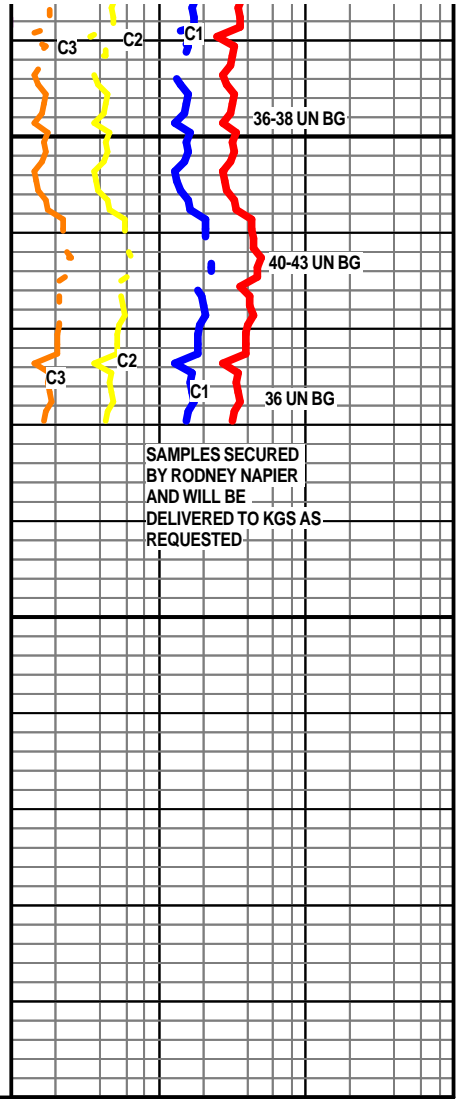
3617'-3623' DOL OFF WHT TO WHT HD DN TT CRYPTO TO VVFN XLN
 MTX TR IMBD CLR SM RND SS GRNS IMBD IP NO FLO NO VIS POR NO
 VIS SHOW

3629'-3633' SS CLR FRSTY WHT SUB-ANG TO RND TO SUB-RND SM TO
 MD GRNS UNCONSOL LOOSE IN TRAY NO STAIN NO FLO NO VIS SHOW

3633'-3647' DOL OFF WHT TO WHT HD TO FRM BRITT VVFN TO FN XLN
 MTX IMBD SM SUB-RND TO RND SS GRNS POSS FAIR INTERXLN TO
 INTER GRAN POR NO FLO NO STAIN NO ODOR NO CUT N VIS SHOW

DOL LT GRY OFF WHT TO WHT HD FRM CRYPTO TO VVFN TO FN XLN
 MTX SUCRO TXT TR IMBD PYR TO LMNTD PYR IP NO FLO NO VIS POR
 NO VIS SHOW

RTD 3680' @ 1:18 pm 07/01/2010
CTCH 1.5 HRS
TOH FOR LOGS





*Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner*

October 26, 2010

TOM FERTAL
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO-1
API 15-009-25435-00-00
STOS ET AL 1-18
SE/4 Sec.18-17S-15W
Barton County, Kansas

Dear TOM FERTAL:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 06/23/2010 and the ACO-1 was received on October 25, 2010 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department