



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: _____



1054327

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	Stramel 1-7
Doc ID	1054327

All Electric Logs Run

DIL
MICRO
POR
SONIC



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

Date: 12/13/2010
 Invoice # 4493
 P.O.#:
 Due Date: 1/12/2011
 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:
 STRAMEL 1-7

Description of Work:
 LONG SURFACE JOB

DRLG COMP W/O LOE GG

Account	8200 - 138
Well/Prospect	STRAMEL 1-7
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	CEMENT & SERVICES

Services / Items Included:

Quantity	Price	Taxable
Labor	\$ 684.84	No
Common-Class A	\$ 4,880.00	Yes
8 5/8" Basket	\$ 948.00	Yes
Bulk Truck Matl-Material Service Charge	\$ 844.00	No
Calcium Chloride	\$ 527.24	Yes
Pump Truck Mileage-Job to Nearest Camp	\$ 349.30	No
Flo Seal	\$ 200.00	Yes
Bulk Truck Mileage-Job to Nearest Bulk Plant	\$ 204.40	No
8 5/8" Centralizer	\$ 192.00	Yes
Premium Gel (Bentonite)	\$ 130.24	Yes
8 5/8" Top Rubber Plug	\$ 106.00	Yes

Item	Quantity	Price	Taxable
Baffle Plate Aluminum, 8 5/8"	1	\$90.00	Yes

Invoice Terms:

Net 30

SubTotal: \$ 9,156.02
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,373.40)

SubTotal for Taxable Items:	\$ 6,012.46
SubTotal for Non-Taxable Items:	\$ 1,188.05
Total:	\$ 7,782.62
Tax:	\$ 378.78

6.30% Rush County Sales Tax

Amount Due: \$ 8,161.40
Applied Payments:
Balance Due: \$ 8,161.40

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

DEC 20 2010

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. 4493

Date	12-11-10	Sec.	7	Twp.	16	Range	16	County	Rush	State	Ks	On Location		Finish	2:45 PM	
Lease	Stame/			Well No.	#1-7			Location Galatia, Ks - 7 W to Curve, 1 N to Curve,								
Contractor	Royal Drilling #2							Owner 3W, 1N, 2W, 1S								
Type Job	Surface							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	12 3/4"			T.D.	1088'			Charge To Sam Gary Jr & Associates								
Csg.	8 5/8"			Depth	1091.86'			Street								
Tbg. Size				Depth				City								
Tool				Depth				State								
Cement Left in Csg.	42.70'			Shoe Joint	42.70'			The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line				Displace	66 3/4 BLS			Cement Amount Ordered 400 SX Common 3% CL 2% Gel								
EQUIPMENT																
Pumptrk	1	No.		Cementer	Deale			1/4 Flowseal								
				Helper				Common 400								
Bulktrk	12	No.		Driver	Cory			Poz. Mix								
				Driver				Gel. 8								
Bulktrk	p.u.	No.		Driver	Rick			Calcium 14								
				Driver				Hulls								
JOB SERVICES & REMARKS																
Remarks:	Cement did Circulate												Salt			
Rat Hole													Flowseal 100#			
Mouse Hole													Kol-Seal			
Centralizers	113,25												Mud CLR 48			
Baskets	7,14,20												CFL-117 or CD110 CAF 38			
D/V or Port Collar													Sand			
													Handling 22			
													Mileage			
	10 BLS Cement to pit												FLOAT EQUIPMENT			
													Guide Shoe			
													Centralizer 3			
													Baskets 3			
													AFU Inserts			
													Float Shoe			
													Latch Down			
													1- Baffle plate			
													1- Rubber plug			
													Pumptrk Charge Long Surface			
													Mileage 35			
												Tax				
												Discount				
												Total Charge				
Signature <i>D. Stahl</i>																

SWIFT



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
12/18/2010	19893

BILL TO
Samuel Gary Jr & Associates, Inc. 3111 West 10th Street Suite 101 Great Bend, KS 67530

- Acidizing
- Cement
- Tool Rental

1/13

✓ 1101-AP-118

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-7	Stremel	Rush	Royal	Oil	Development	Cement Long Str...	

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	30	Miles	5.00	150.00
578D-D	Pump Charge - Deep Squeeze (> 1500 Ft.)	1	Job	1,400.00	1,400.00
403-5	5 1/2" Cement Basket	1	Each	200.00	200.00T
406-5	5 1/2" Latch Down Plug & Baffle	1	Each	225.00	225.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	275.00	275.00T
409-5	5 1/2" Turbolizer	5	Each	65.00	325.00T
419-5	5 1/2" Rotating Head Rental	1	Each	150.00	150.00T
326	60/40 Pozmix (2% Gel)	75	Sacks	9.50	712.50T
277	Gilsonite (Coal Seal)	750	Lb(s)	0.40	300.00T
325	Standard Cement	125	Sacks	12.00	1,500.00T
284	Calseal	6	Sack(s)	30.00	180.00T
283	Salt	650	Lb(s)	0.15	97.50T
285	CFR-1	50	Lb(s)	4.00	200.00T
276	Flocele	25	Lb(s)	1.50	37.50T
290	D-Air	2	Gallon(s)	35.00	70.00T
221	Liquid KCL (Clayfix)	2	Gallon(s)	25.00	50.00
280	Flocheck 21	500	Gallon(s)	2.50	1,250.00T
581D	Service Charge Cement	200	Sacks	1.50	300.00
583D	Drayage	299.29	Ton Miles	1.00	299.29
	Subtotal				7,721.79
	Sales Tax Rush County			6.30%	347.92

RECEIVED
DEC 30 2010
SAMUEL GARY JR & ASSOCIATES, INC

DRLG COMP W/O LOB GG

Account	8300 - 238
Well/Prospect	STREMEL 1-7
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	Cementing Prod casing

Thank You For Your Business & Best Wishes For A Wonderful Holiday Season!!

Total

\$8,069.71



Services, Inc.

CHARGE TO: Spur Energy & Assoc.
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET
 19893

PAGE 1 OF 2

1. SERVICE LOCATIONS: ADB Ctg KS WELL/PROJECT NO. 1-7 LEASE Strenel COUNTY/PARISH Rush STATE KS CITY Loresha DATE 18 Dec 10 OWNER
 2. TICKET TYPE: SERVICE CONTRACTOR 1-7 RIG NAME/NO. CT SHIPPED VIA CT DELIVERED TO Location ORDER NO.
 3. WELL TYPE Development WELL CATEGORY Royal JOB PURPOSE consult long string WELL PERMIT NO.
 4. REFERRAL LOCATION ATTN: Kurt J. Strube 3111 W. 10th Suite 101 Great Bend, KS 67530 WELL LOCATION Loresha 28-1W 32

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE TRK 114	30	mi			5.00	150.00
578					Pump Charge	1	ea			1400.00	1400.00
403					Cement & Bucket	5 1/2	in	1	ea	200.00	200.00
406					latch down plug & bottle	5 1/2	in	1	ea	225.00	225.00
407					insert float shoe w/ Auto-Fill	5 1/2	in	1	ea	275.00	275.00
409					turbolizer	5 1/2	in	5	ea	65.00	325.00
419					Rotary head rental	1	ea	1	ea	150.00	150.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY**, and **LIMITED WARRANTY** provisions.
 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 DATE SIGNED: [Signature] TIME SIGNED: A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					2725.00
WE UNDERSTOOD AND MET YOUR NEEDS?					4996.79
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					7721.79
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					347.92
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			TOTAL
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					8269.71

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket
 SWIFT OPERATOR: [Signature] APPROVAL: [Signature]
 Thank You!



PO Box 466
 Ness City, KS 67560
 Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 19893

CUSTOMER *Spur Gray & Assoc.* WELL *Stremel* DATE *19 Dec 10* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	UM		
326						60/40 Poz mix (206 gal)	75	cks	9.50	712.50
277						Grisonite (coal svs)	750	lb	0.40	300.00
325						STANDARD CONTACT (FOR EA-2)	125	sks	12.00	1500.00
284						Cilsael		cks	30.00	180.00
283						SABT	650	lb	0.15	97.50
285						CFR	50	lb	4.00	200.00
276						Flucela	25	lb	1.50	37.50
240						D-AIR			35.00	70.00
321						PCL Liquid	2	gal	25.00	50.00
280						Flucel 21	520	gal	2.50	1250.00
581						SERVICE CHARGE			1.50	300.00
583						MILEAGE CHARGE			1.00	299.29
						TOTAL WEIGHT	1995.75			
						LOADED MILES	30			
						CUBIC FEET	200			
						TON MILES	299.29			

CONTINUATION TOTAL 4196.29

JOB LOG

SWIFT Services, Inc.

DATE 18 DEC 10 PAGE NO. 1

CUSTOMER SAM GARY & Assoc. WELL NO. 1-7 LEASE Stremel JOB TYPE convert long string TICKET NO. 19893

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								75 sks 60/40 P02 2% Cell 750 6. kvite. 125 sks EA-2 w/ floccule centralizer (turbo) 1, 5, 7, 9, 11, 13 Basket 15 TD = 3631 string - haffle 3581 5 1/2 casing 15.5 #
	0730							on loc TRX114
	0825							start 5 1/2 casing in well
	1015							Drop ball - circulate - Rotate
		43 1/4	15				400	Jump 15 bbl KCL flush
		43 1/4	12				400	plug 500 gal Floccul 21
		43 1/4	5				400	plug 5 gal KCL flush
			10					Plug RA-1AH w/ 60/40 P02 (30sk - 20sk)
		43 1/4	37				300	mix cement 25 sk Poz 125 EA-2 @ 15.4 ppg
								washout pump & lines
	1150							Drop latch down plug
		63 1/4					200	Displace plug
		63 1/4	84				700	
	1205		86				1000	Plug down
	1207							Release pressure to truck - hold
								wash truck
	1240							JOB complete
								Thank Dave Joe & Elaine

Circulating Report

START UNMANNED UNIT 12/12/2010

START MANNED UNIT 12/14/2010

CFS 3254' 20,40,60 TOTAL 1.5 HRS

SHORT TRIP

CTCH 1 HR

CFS 3280' 20,40,60

CFS 3321' 20,40,60

CFS 350' 20,40,60 TOTAL 2 HRS

DST#1

CTCH 3350' 1 HR

CFS 3400' 20,40,60

CFS 3435' 20,40,60 TOTAL 1.5 HRS

DST#2

RIG TIME. CIRCULATING 30 STANDS OFF BOTTOM DUE TO DRILL LINE PROBLEMS START 2:00 PM 12/16/2010


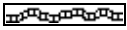
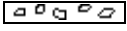

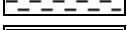



DST's Report





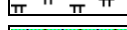

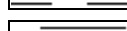
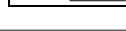
DST#1 3304'-3350' 46' ANCHOR IF:STRNG BLOW. BOB IN 5 MIN,ISI:NO BLOW FF:STRNG BLOW. BOB IN 3 MIN
FSI:WEAK BLOW 1/2-1 1/2" RECOVERY 205' GIP,80,GOCM.110' MW W OIL SPOTS TOTAL 190' BHT 105 DEG API RV
12@43 DEG CLORIDES 119,000, IH:1573,FIF:37,FFF:55,ISI:1011,SIF:54,SFF:108,FSI:963, FH:1554, TIMES:5,60,45,135

DST#2 3386'-3435' ANCHOR:49' IF STRNG BLOW BOB IN 2 MINS ISI:WEAK BLOW 1/2", FF:STRONG BLOW BOB IN
20 SEC FSI:STRONG BLOW GTS WHILE BLEEDING OFF VENT FSIP, RECOVERY:250' GOCM,60'CGO,125'GOCM
TOTAL:435' BHT 105 DEG GRAVITY:36.4 CLORIDES 4600 IH:1641,FIF:41,FFF:67,ISI:
1222,SIF:80,SFF:187,FSI:1195,FH:1597,
TIMES 8,60,60,180

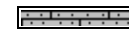



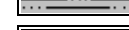

DST's Report

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**
- [Symbol] Anhy
 - [Symbol] Arggrn
 - [Symbol] Arg
 - [Symbol] Bent
 - [Symbol] Bit
 - [Symbol] Breclfrag
 - [Symbol] Calc
 - [Symbol] Carb
 - [Symbol] Chtdk
 - [Symbol] Chtlt
 - [Symbol] Dol
 - [Symbol] Feldspar
 - [Symbol] Ferrpel
 - [Symbol] Ferr
 - [Symbol] Glau
 - [Symbol] Gyp
 - [Symbol] Hvymin
 - [Symbol] Kaol
 - [Symbol] Marl
 - [Symbol] Minxl
 - [Symbol] Nodule
 - [Symbol] Phos
 - [Symbol] Pyr

- [Symbol] Salt
- [Symbol] Sandy
- [Symbol] Silt
- [Symbol] Sil
- [Symbol] Sulphur
- [Symbol] Tuff
- [Symbol] Chlorite
- [Symbol] Dol
- [Symbol] Sand
- [Symbol] Sity

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

- [Symbol] Clystn
- [Symbol] Dol
- [Symbol] Grysh
- [Symbol] Gryslt
- [Symbol] Lms
- [Symbol] Sandylms
- [Symbol] Sh
- [Symbol] Sltstn

- FOSSIL**
- [Symbol] Algae
 - [Symbol] Amph
 - [Symbol] Belm
 - [Symbol] Bioclst
 - [Symbol] Brach
 - [Symbol] Bryozoa
 - [Symbol] Cephal
 - [Symbol] Coral
 - [Symbol] Crin
 - [Symbol] Echin
 - [Symbol] Fish
 - [Symbol] Foram

- STRINGER**
- [Symbol] Anhy
 - [Symbol] Arg
 - [Symbol] Bent
 - [Symbol] Coal
 - [Symbol] Dol
 - [Symbol] Gyp
 - [Symbol] Ls
 - [Symbol] Mrst
 - [Symbol] Sltstrg
 - [Symbol] Ssstrg
 - [Symbol] Carbsh

- TEXTURE**
- [Symbol] Boundst
 - [Symbol] Chalky
 - [Symbol] Cryxln
 - [Symbol] Earthy
 - [Symbol] Finexln
 - [Symbol] Grainst
 - [Symbol] Lithogr
 - [Symbol] Microxln
 - [Symbol] Mudst
 - [Symbol] Packst
 - [Symbol] Wackest

OTHER SYMBOLS

- POROSITY TYPE**
- [Symbol] Earthy
 - [Symbol] Fenest
 - [Symbol] Fracture
 - [Symbol] Inter
 - [Symbol] Moldic
 - [Symbol] Organic
 - [Symbol] Pinpoint
 - [Symbol] Vuggy

- SORTING**
- [Symbol] Well
 - [Symbol] Moderate
 - [Symbol] Poor

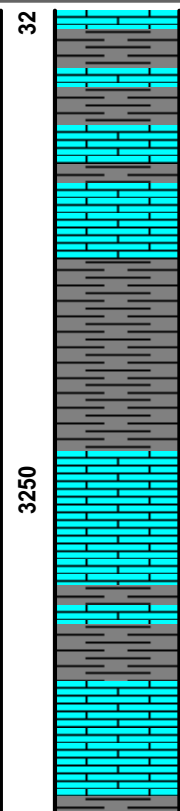
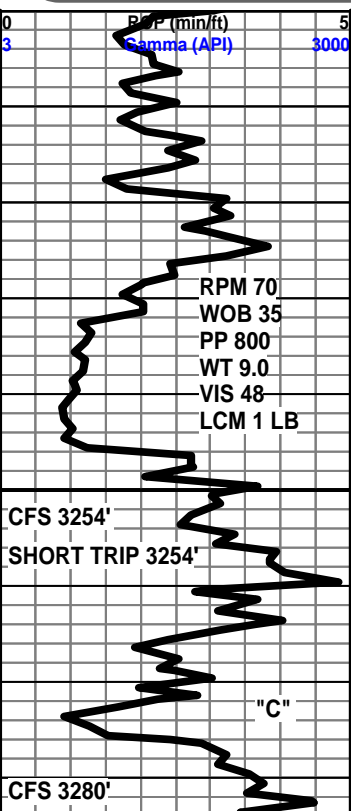
- [Symbol] Angular

- INTERVALS**
- [Symbol] Core
 - [Symbol] Dst
 - [Symbol] Dst

- ROUNDING**
- [Symbol] Rounded
 - [Symbol] Subrnd
 - [Symbol] Subang

- OIL SHOWS**
- [Symbol] Even
 - [Symbol] Spotted
 - [Symbol] Ques
 - [Symbol] Dead
 - [Symbol] Gas show

- EVENTS**
- [Symbol] Rft
 - [Symbol] Sidewall



LS GRY BRN DK TN TO BUFF MOTT HD DN BRITT VFN T
FN XLN MTX TR IMBD PYR IP TO IMBD AND DISS DK GRY
TO DK BRN SH NO FLO NO VIS POR NO VIS SHOW

LS OFF WHT TO WHT HD DN TT CRYPTO XLN MTX THRU
DISS GRY SH NO FLO NO VIS POR NO VIS SHO

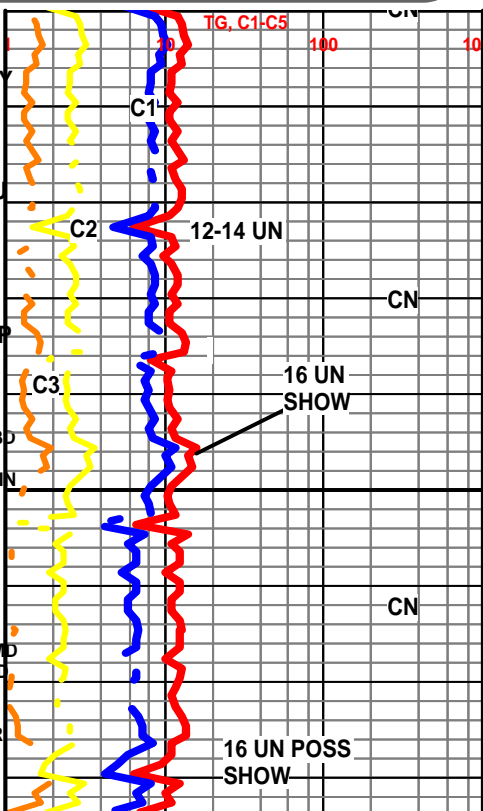
DOUGLAS 3227' -1278'

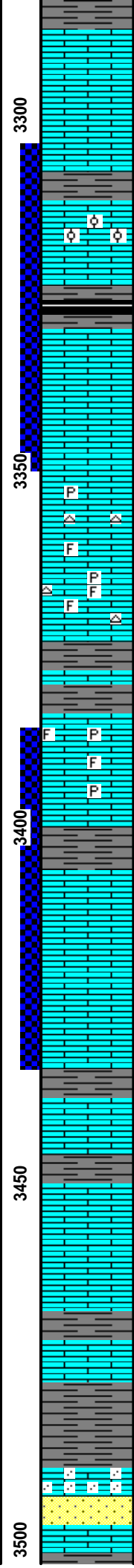
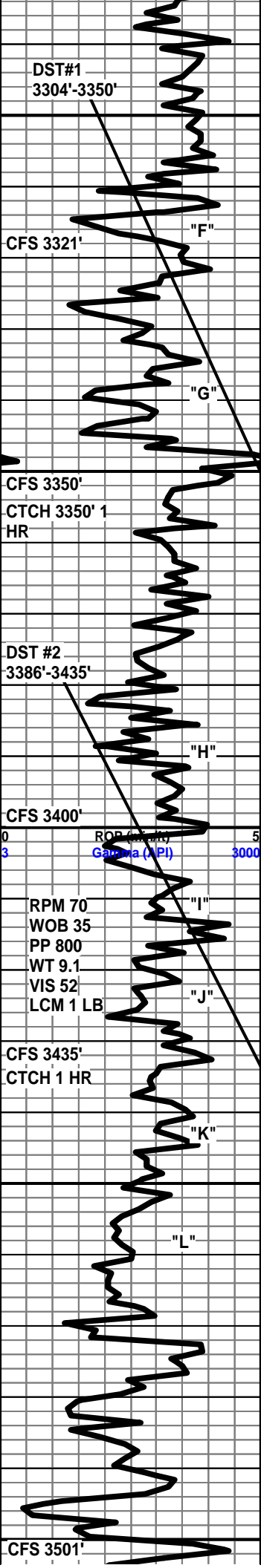
SH DK BRN TO RED/BRN FRM BLKY WITH WAXEY TXT IP
TO SLTLY SFT SILTY

LANSING 3246' -1297'

3246'-3249' LS TN LT TN CRM BUF HD DN VFN TO FN XLN MTX TR IMBD
QRTZ XLS IP TO IMBD SM CALC XLS TO CALC XLS ON EDGES OF
ROCKS FAIR TO GD ODOR THRU STAIN 40% 10% STAIN SATURATED IN
ROCK LT TN OIL STAIN IN CALC XLS TR LIVE OIL IN TRAY 60 MIN
SAMPLE GLDN YLW FLO 50% TR MICRO PP POR TO FAIR VUG POR
WITH CALC XLS IMBD IN VUGS POSS FRAC POOR TO FAIR INSTANT
FLUSH CUT TO SPOTTY SLOW MILKY BLUE STREAM CUT TO BRITE
GLDN YLW RING CUT SLT TR BRN LEACH ON DISH

3269'-3280' LS LT GRY LT TN CRM BUFF HD TO FRM FN XLN MTX TR MD
XLN MTX RE-XLN MTX IP IMBD FOSS TR IMBD SM OOLITES IP TR IMBD
QRTZ XLS IP SLT TR CHLK IP LT YLW FLO 40% TR LT OIL STAIN 20%
FAIR TO GOOD INTER XLN POR PP AND MICRO PP POR TO FAIR VUG
POR WITH TR CALC XLS IMBD IN VUGS POSS INTER FOSS POR POOR
TO FAIR ODOR LT FLUSH CUT TO FAINT LT YLW RING CUT.





SH DK GRY SMOOTH HRD TO BRITT
 3304'-3350' LS CRM BUFF OFF WHT TO WHT HD DN TT CRYPTO TO VVFN XLN MTX TR IMBD FOSS TR LMNTD PYR IP NO FLO NO VIS POR NO VIS SHOW

3312'-3319' LS TN LT TN DUE TO STAIN CRM BUFF FRM BRITT VFN TO FN TO TR MD XLN MTX RE-XLN MTX IMBD SM OOLITES WITH IMBD CALC XLS FAIR TO GOD INTER XLN POR TR VUG POR POOR FAIR TO TR GOOD INTER FOSS POR GLDN YLW FLO THRU STAIN 60% GOOD TO EXCEL ODOR FAIR TO GOOD INSTANT FLUSH CUT TO FAIR STRONG MILKY BLUE STREAM CUT

SH DK GRY SMOOTH HRD BRITT TO BLK CARB SF
 3337'-3345' LS CRM BUFF TO OFF WHT HD DN FRM FN XLN MTX IMBD FOSS TR LOOSE QRTZ XLS IN TRAY CALC XLS IP GLDN YLW FLO 80% STAIN 50-60% SLT TR LIVE OIL IN 60 SMPLE GOOD ODOR THRU POOR TO TR FAIR INTER XLN POR TO FAIR SM/MD VUGS PP POR INSTANT FLUSH CUT TO SLOW MILKY BLUE STREAM CUT

LS LT GY LT TN CRM BUFF TO OFF WHT HD DN TT CRYPTO TO VVFN XLN MTX TR IMBD PYR TO TR IMBD FOSS IP TR LT WHT TO LT GRN CHERT IP NO FLO NO VIS POR NO VIS SHOW

SH DK GRY HD SMOOTH FRM SPLNTY CALC TO LMY
 3408'-3413' LS CRM BUFF HD FRM BRITT VFN TO FN XLN MTX RE-XLN MTX RE-XLN MTX IP TR IMBD QRTZ XLS IP TR VRY SM LS GRNS IMB IP STAIN 10% LT YLW FLO 25% POOR TO NO INTER XLN POR TR POOR VUG TO TR PP AND MICRO PP POR IP FAINT ODOR VRY FAINT FLUSH CUT LT YLW RING CUT

SH GRY BRN FRM BLKY CALC TO LMY
 3417'-3427' LS LT TN DUE TO STAIN CRM BUFF HD TO FRM VFN TO FN TO TR MD XLN MTX IMBD CALC XLS IN VUGS OOMOLDIC IP SUCRO TXT THRU POOR TO TR FAIR INTER XLN POR POOR VUGS TO TR PP AND MICRO PP POR. LT YLW FLO 40% GLDN YLW FLO 20% STAIN 50% POOR TO FAIR ODOR FAIR INSTANT FLUSH CUT TO SPURTY MILKY BLUE STREAM CUT LT YLW RING CUT

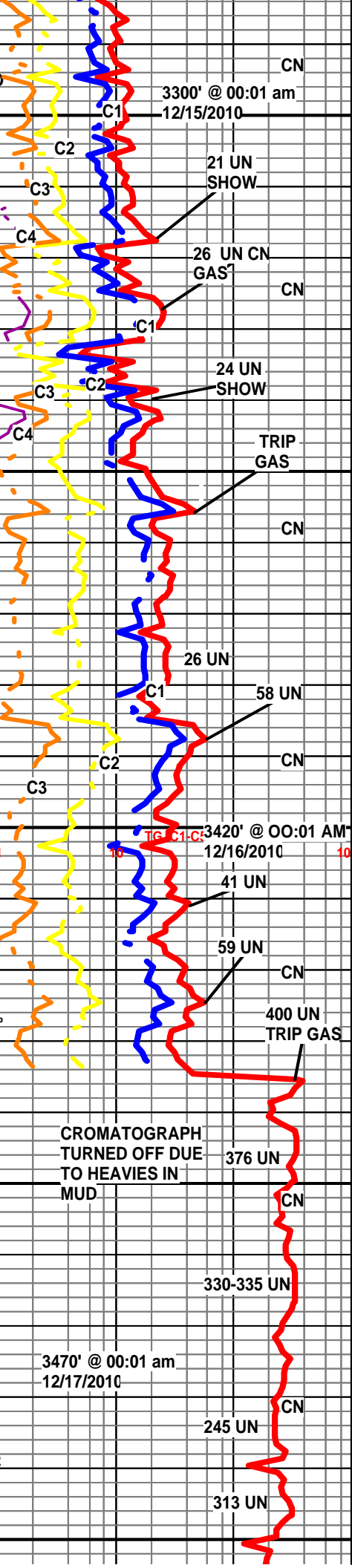
LS CRM BUFF OFF WHT TO WHT HD DN TT CRYPTO TO VVFN XLN MTX DIS GRY SH IP NO FLO NO VIS POR NO VIS SHOW

LS DK TN LT TN CRM BUFF TO LT GRY HD DN TT CRYPTO TO VVFN TO FN XLN MTX RE-XLN MTX IP IMBD FOSS SUB-CHLKY IP TR IMBD SM LS GRNS IP SCATT LT YLW FLO NO VIS POR NO VIS SHOV

BKC 3478' -1529'

SH GRY DK RN FRM BLKY TO SMOOTH SPLNTY
 3489'-3494' LS CRM BUFF OFF WHT HD FRM BRITT FN XLN MTX IMBD SUB-RND TO RND SS GRNS TO TR LOOSE QRTZ XLS IN TRAY TR LT OIL STAIN POSS TT INTER XLN TO NO POR LT YLW FLO 30% NO ODOR FAINT FLUSH CUT

3494'-3498' SS TN DUE TO STAIN TO CLR FRSTY WHT FRI VRY SM TO SM TO MD ANG SUB-ANG TO SUB-RND SS GRNS WITH SILICIOUS CMNT FAIR TO GOOD SORT STAIN 95% GLDN FLO THRU POOR FAIR TO GOOD INTER GRAN POR FAIR TO GOOD ODOR INSTANT FLUSH CUT TO SLOW STRONG MILKY BLUE STREAM CUT



CUT TO SLOW STRONG MILKY BLUE STREAM CUT GLDN YLW RIN
CUT TO BRN LEACH ON DISH

SH RED BRN SLTLY FRM SFT GUMMY WITH OFF WHT TN TO ORNG
CHERT TR LS DK TN TO TN HD DN TT CRYPTO XLN MTX

ARBUCKLE 3527' -1578'

3527'-3533' DOL CRM BUFF OFF WHT HD FRM VFN TO FN XLN MTX
SUCRO TXT WITH VRY SM DOL GRNS IMBD GLDN YLW FLO 50% STAIN
30% FAIR ODOR POSS TT INTER XLN POR FAIR FLUSH CUT GLDN YLW
RING CUT

3533'-3545' DOL CRM BUFF OFF WHT TN DUE TO STAIN LT GRY IP HD
FRM SM TO MD ANG TO SUB-ANG DOL XLS THRU LT GLDN YLW FLO
THRU STAIN 70% LIVE OIL ON ROCKS AND IN TRAY POOR TO FAIR
INTER XLN POR PP AND MICRO PP POR FAIR TO GOOD ODOR
EXCELLENT INSTANT FLUSH CUT TO SLOW MILKY BLUE STREAM CL
BRN LEACH ON DISH

CFS 3545'

3550

3600

3650

3700

ROP (min/ft) 5
Gamma (API) 3000

211 UN
SHOW

CN

CN

TG, C1-C5

10

100

10



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. & Assoc. Inc.**

1515 Wynkoop St. Ste. 700
Denver Co. 80202

ATTN: Clayton Camozzi

7-16s-16w Rush Ks.

Stramel #1-7

Start Date: 2010.12.15 @ 09:29:22

End Date: 2010.12.15 @ 16:46:37

Job Ticket #: 039292 DST #: 1

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 Jr. & Assoc. Inc.

Stramel #1-7

1515 Wynkoop St. Ste. 700
Denver Co. 80202

7-16s-16w Rush Ks.

Job Ticket: 039292

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2010.12.15 @ 09:29:22

GENERAL INFORMATION:

Formation: **Lans. F - G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:45:52

Time Test Ended: 16:46:37

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: 3304.00 ft (KB) To 3350.00 ft (KB) (TVD)

Reference Elevations: 1949.00 ft (KB)

Total Depth: 3350.00 ft (KB) (TVD)

1942.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8167 Inside

Press @ Run Depth: 108.43 psig @ 3305.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.12.15

End Date:

2010.12.15

Last Calib.:

2010.12.15

Start Time: 09:29:27

End Time:

16:46:36

Time On Btm:

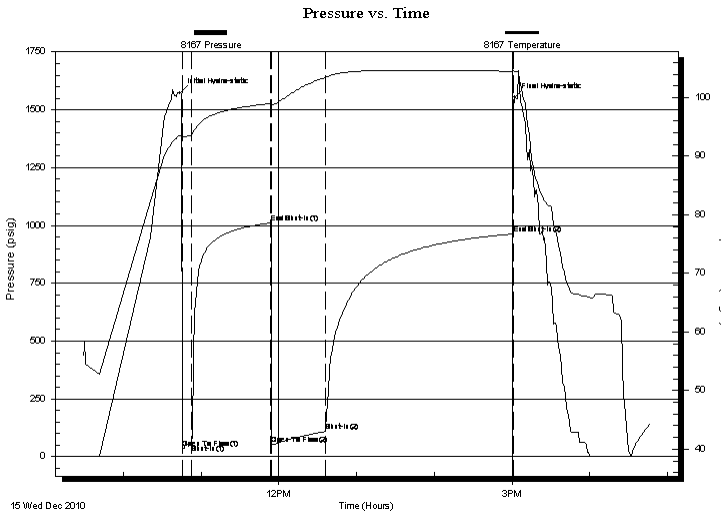
2010.12.15 @ 10:43:52

Time Off Btm:

2010.12.15 @ 15:02:07

TEST COMMENT: IF: Strong blow . B.O.B. in 5 mins.
IS: No blow .
FF: Strong blow . B.O.B. in 13 mins.
FS: Weak blow . 1/2 - 1 1/2".

PRESSURE SUMMARY



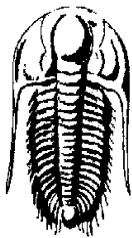
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.97	93.56	Initial Hydro-static
2	36.72	93.27	Open To Flow (1)
9	55.28	93.69	Shut-In(1)
70	1011.21	99.00	End Shut-In(1)
71	53.98	98.84	Open To Flow (2)
112	108.43	103.44	Shut-In(2)
257	963.33	104.51	End Shut-In(2)
259	1553.66	104.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	205 ft. of GIP	0.00
80.00	GOCM 15%g 25%o 60%m	1.12
110.00	MW /w o specs. 18%m 82%w	1.54
0.00	RW .12 ohms @ 43 deg.	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary Jr. & Assoc. Inc.

1515 Wynkoop St. Ste. 700
Denver Co. 80202

ATTN: Clayton Camozzi

Stramel #1-7

7-16s-16w Rush Ks.

Job Ticket: 039292

DST#: 1

Test Start: 2010.12.15 @ 09:29:22

GENERAL INFORMATION:

Formation: **Lans. F - G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:45:52

Time Test Ended: 16:46:37

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: 3304.00 ft (KB) To 3350.00 ft (KB) (TVD)

Total Depth: 3350.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1949.00 ft (KB)

1942.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8370 Outside

Press @ Run Depth: psig @ 3305.00 ft (KB)

Start Date: 2010.12.15 End Date: 2010.12.15

Start Time: 09:26:19 End Time: 16:44:28

Capacity: 8000.00 psig

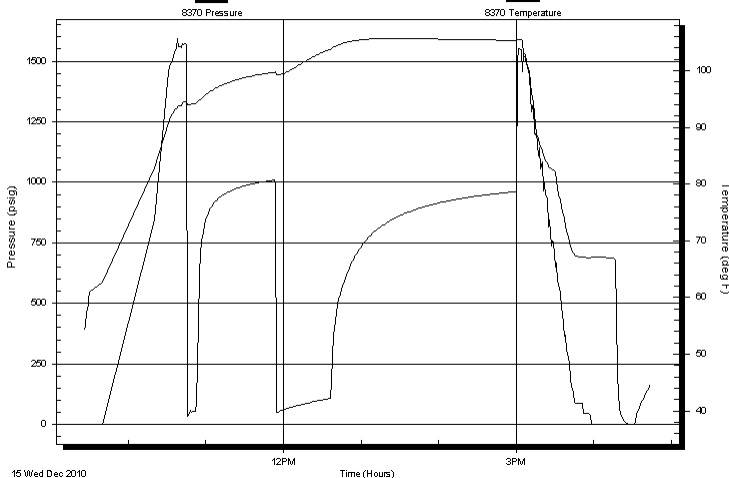
Last Calib.: 2010.12.15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 5 mins.
IS: No blow .
FF: Strong blow . B.O.B. in 13 mins.
FS: Weak blow . 1/2 - 1 1/2".

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	205 ft. of GIP	0.00
80.00	GOCM 15%g 25%o 60%m	1.12
110.00	MW /w o specs. 18%m 82%w	1.54
0.00	RW .12 ohms @ 43 deg.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. & Assoc. Inc.

Stramel #1-7

1515 Wynkoop St. Ste. 700
Denver Co. 80202

7-16s-16w Rush Ks.

Job Ticket: 039292

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2010.12.15 @ 09:29:22

Tool Information

Drill Pipe:	Length: 3292.00 ft	Diameter: 3.80 inches	Volume: 46.18 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 46.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3304.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	76.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3275.00	
Shut in tool	5.00			3280.00	
Sampler	2.00			3282.00	
HMV	5.00			3287.00	
Jars	5.00			3292.00	
Safety Joint	3.00			3295.00	
Packer	4.00			3299.00	30.00 Bottom Of Top Packer
Packer	5.00			3304.00	
Stubb	1.00			3305.00	
Recorder	0.00	8167	Inside	3305.00	
Recorder	0.00	8370	Outside	3305.00	
Perforations	40.00			3345.00	
Bullnose	5.00			3350.00	46.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Assoc. Inc.

Stramel #1-7

1515 Wynkoop St. Ste. 700
Denver Co. 80202

7-16s-16w Rush Ks.

Job Ticket: 039292

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2010.12.15 @ 09:29:22

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: 119000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	205 ft. of GIP	0.000
80.00	GOCM 15%g 25%o 60%m	1.122
110.00	MW /w o specs. 18%m 82%w	1.543
0.00	RW .12 ohms @ 43 deg.	0.000

Total Length: 190.00 ft Total Volume: 2.665 bbl

Num Fluid Samples: 0

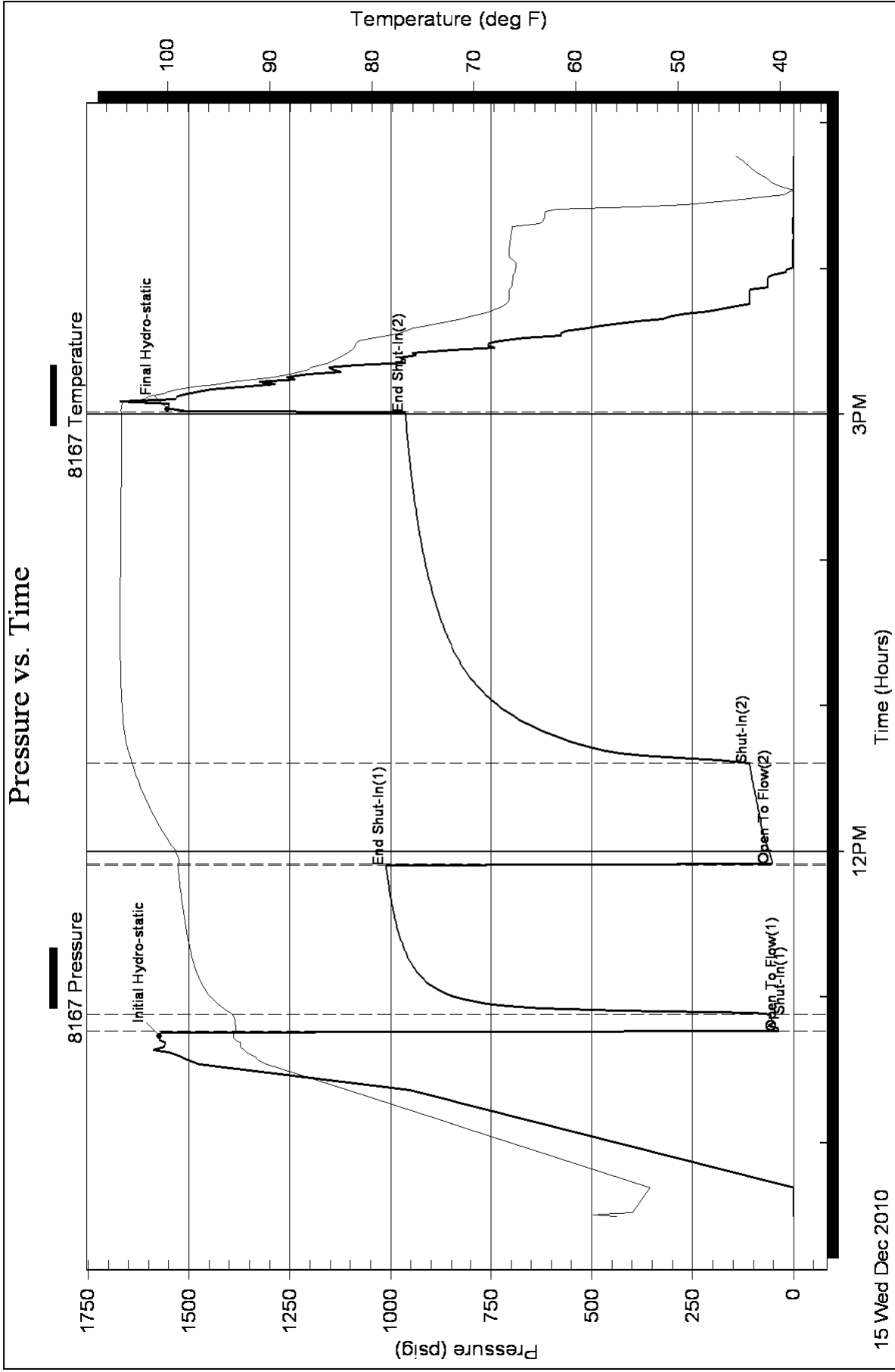
Num Gas Bombs: 0

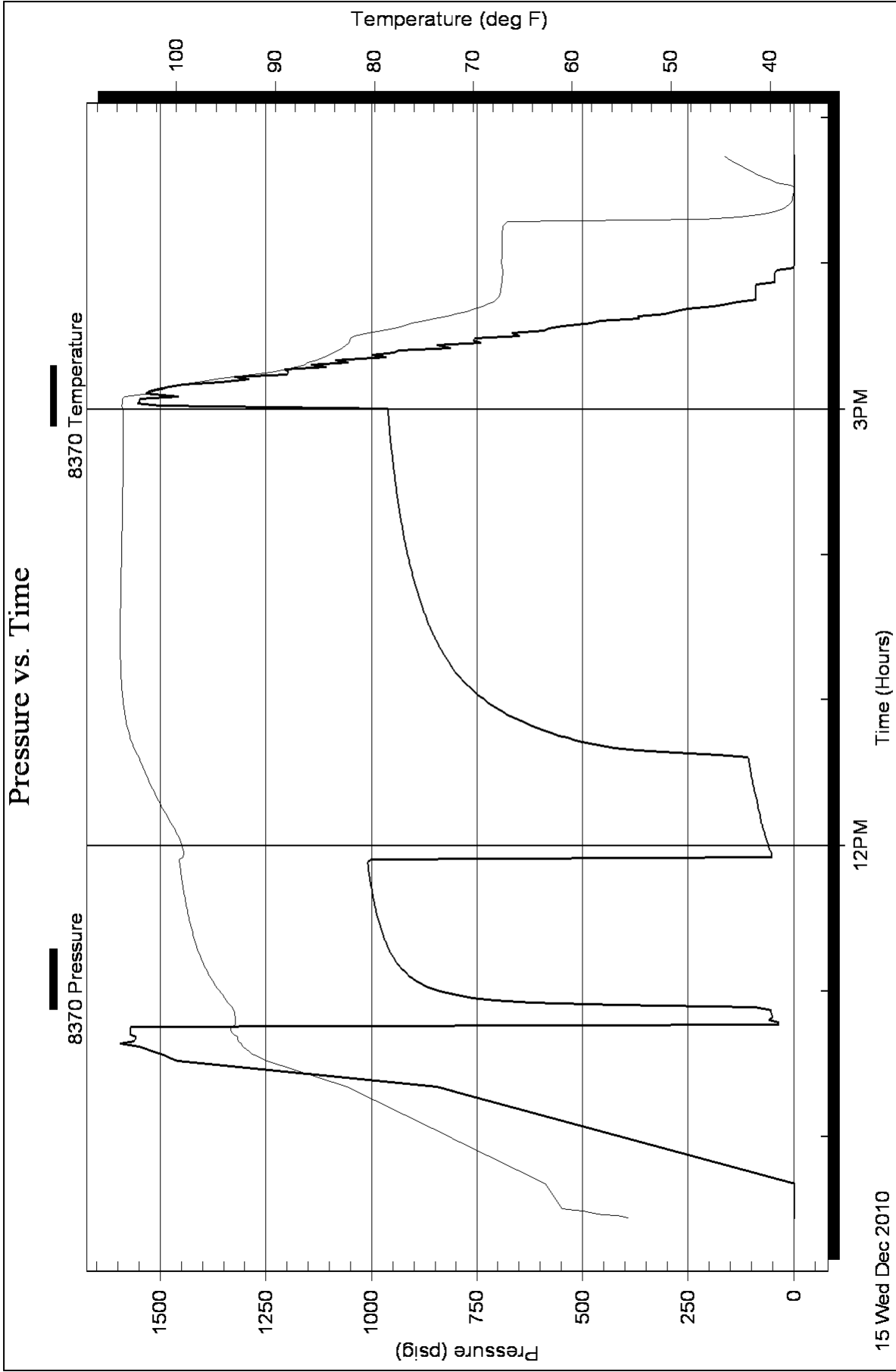
Serial #: none

Laboratory Name:

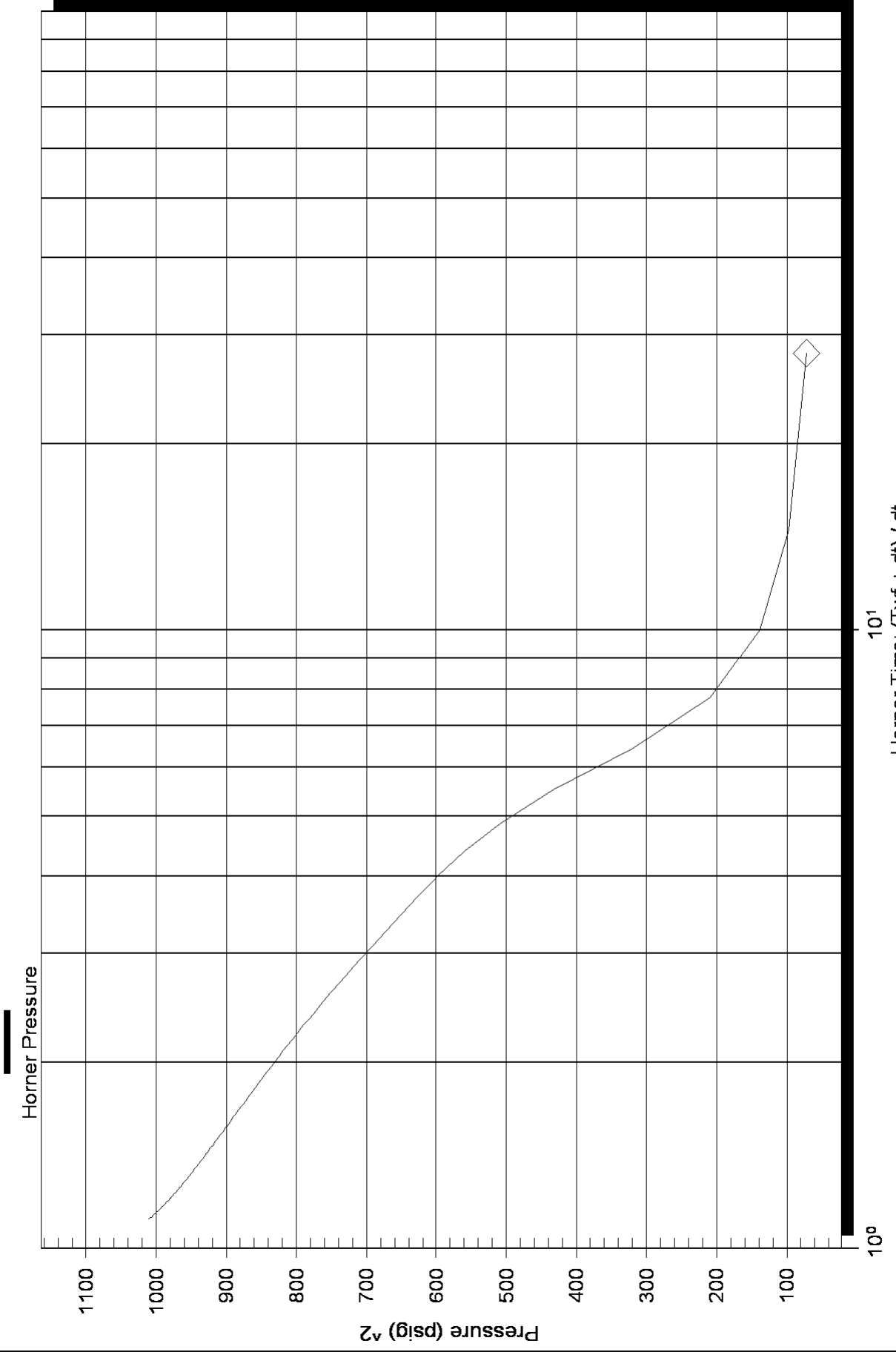
Laboratory Location:

Recovery Comments: SAMPLER DATA: Trace of gas, trace of mud, 460 ML of oil,
1840 ML of water @ 96 psi.

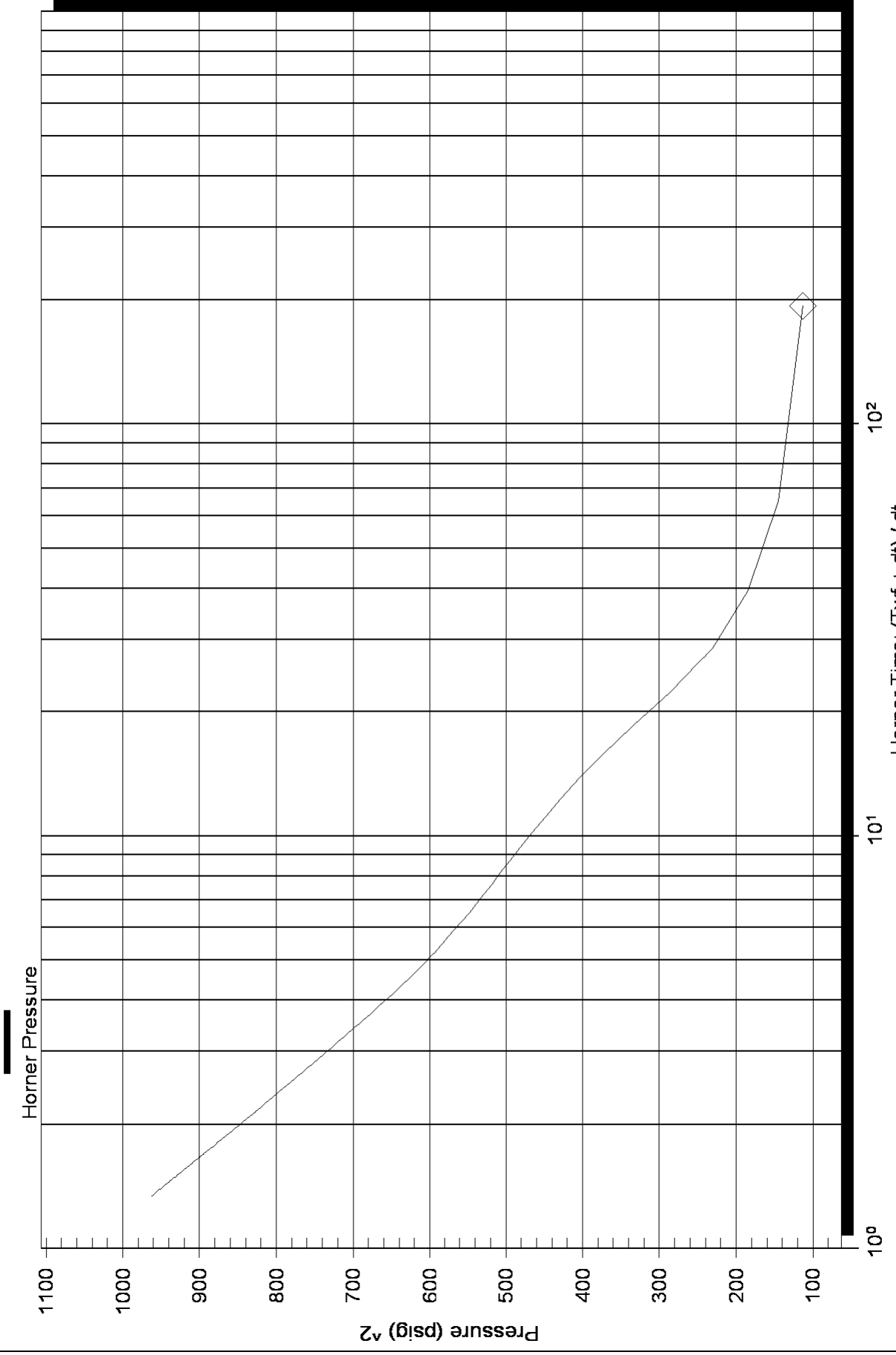




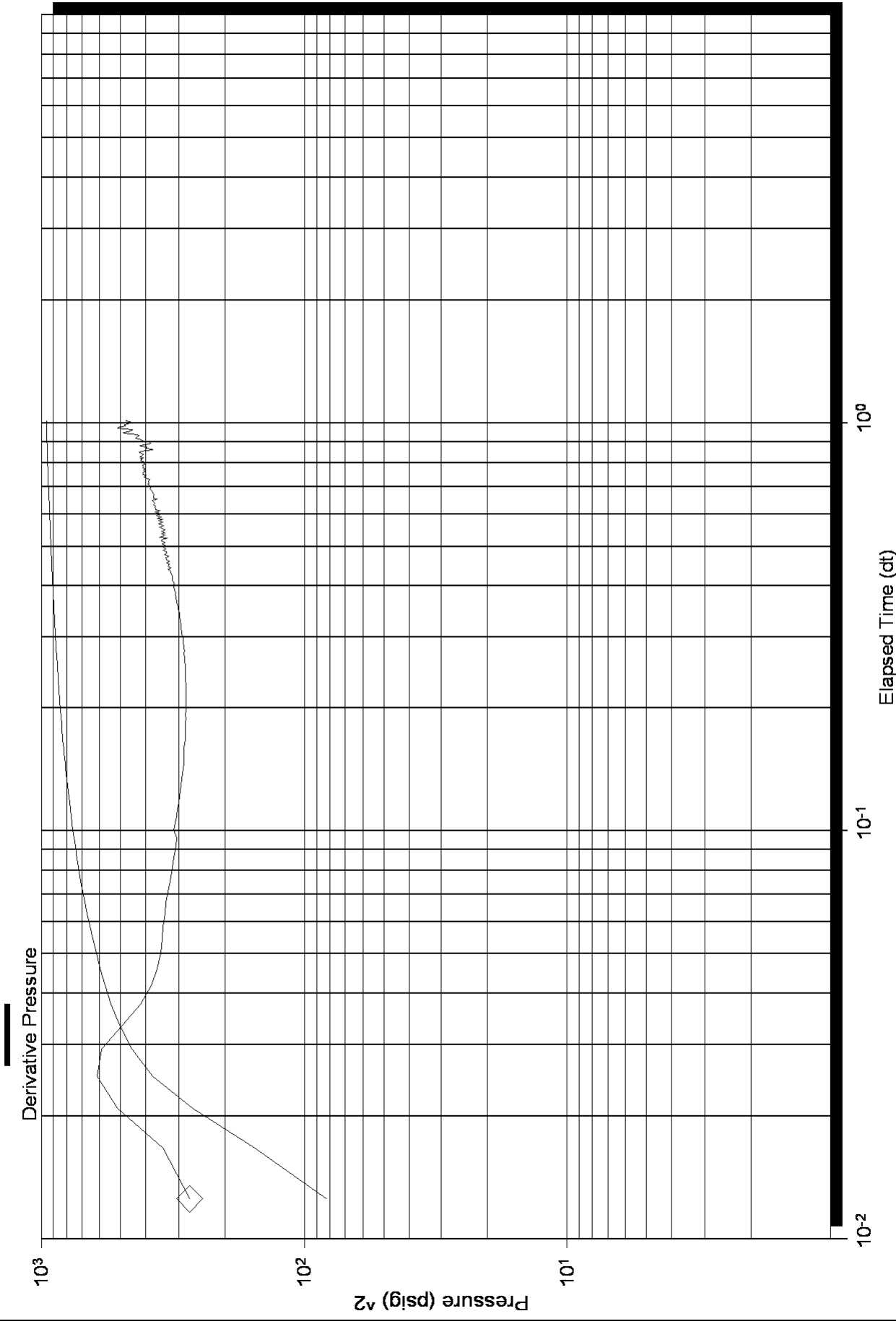
Homer Plot



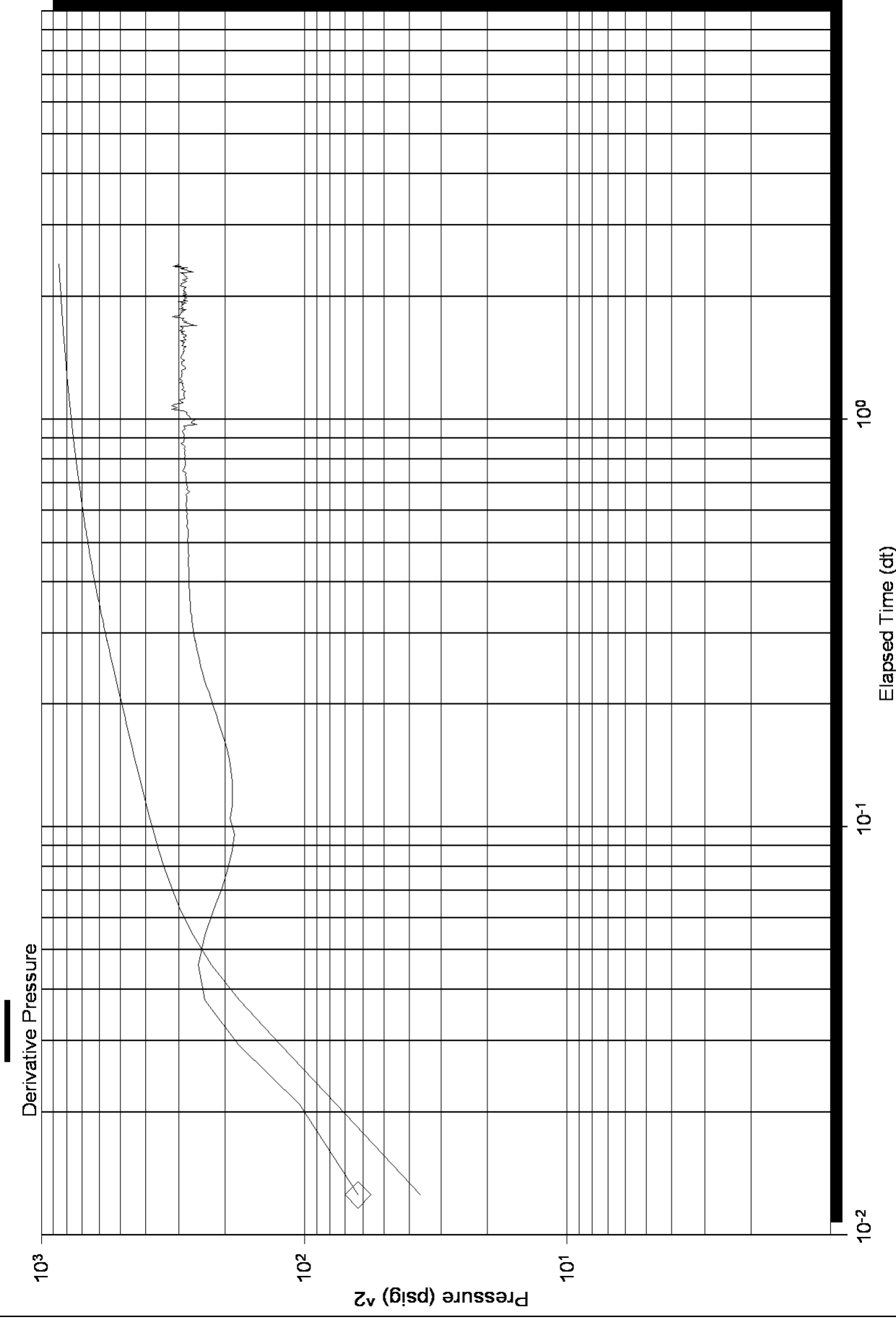
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. & Assoc. Inc.**

1515 Wynkoop St. Ste. 700
Denver Co. 80202

ATTN: Clayton Camozzi

7-16s-16w Rush Ks.

Stramel #1-7

Start Date: 2010.12.16 @ 03:25:47

End Date: 2010.12.16 @ 12:35:32

Job Ticket #: 039293 DST #: 2

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 Jr. & Assoc. Inc.

Stramel #1-7

1515 Wynkoop St. Ste. 700
Denver Co. 80202

7-16s-16w Rush Ks.

ATTN: Clayton Camozzi

Job Ticket: 039293

DST#: 2

Test Start: 2010.12.16 @ 03:25:47

GENERAL INFORMATION:

Formation: **Lans.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:01:02

Time Test Ended: 12:35:32

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: 3386.00 ft (KB) To 3435.00 ft (KB) (TVD)

Reference Elevations: 1949.00 ft (KB)

Total Depth: 3435.00 ft (KB) (TVD)

1942.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8167 Inside

Press @ Run Depth: 186.82 psig @ 3387.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.12.16

End Date: 2010.12.16

Last Calib.: 2010.12.16

Start Time: 03:25:52

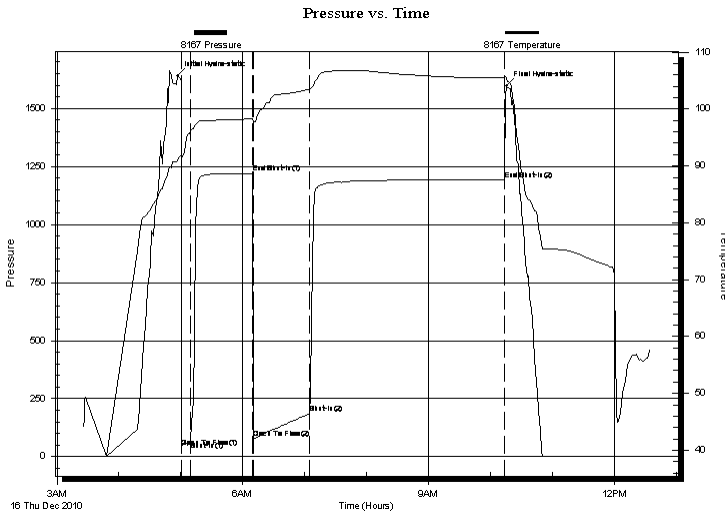
End Time: 12:35:32

Time On Btm: 2010.12.16 @ 04:57:02

Time Off Btm: 2010.12.16 @ 10:15:47

TEST COMMENT: IF: Strong blow . B.O.B. in 2 mins.
IS: Weak blow . 1/2".
FF: Strong blow . B.O.B. in 20 secs.
FS: Strong blow . GTS w hile bleeding off. Vent FSIP.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1640.87	90.84	Initial Hydro-static
4	41.42	91.44	Open To Flow (1)
13	67.36	96.00	Shut-In(1)
73	1221.84	98.30	End Shut-In(1)
74	80.22	97.86	Open To Flow (2)
128	186.82	103.54	Shut-In(2)
317	1194.86	105.47	End Shut-In(2)
319	1597.25	105.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	GOCM 30%g 27%o 43%m	3.51
60.00	CGO 41%g 59%o	0.84
125.00	GOCM 27%g 33%o 40%m	1.75
0.00	Gas in all fluid free pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. & Assoc. Inc.

Stramel #1-7

1515 Wynkoop St. Ste. 700
Denver Co. 80202

7-16s-16w Rush Ks.

Job Ticket: 039293

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2010.12.16 @ 03:25:47

Tool Information

Drill Pipe:	Length: 3360.00 ft	Diameter: 3.80 inches	Volume: 47.13 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 61000.00 lb
			<u>Total Volume: 47.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3386.00 ft			Final 47500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 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
------------------	-------------	------------	----------	------------	----------------

Recorder	0.00	8646	Fluid	3356.00	
C.O. Sub	1.00			3357.00	
Shut in tool	5.00			3362.00	
Sampler	2.00			3364.00	
HMV	5.00			3369.00	
Jars	5.00			3374.00	
Safety Joint	3.00			3377.00	
Packer	4.00			3381.00	30.00 Bottom Of Top Packer
Packer	5.00			3386.00	
Stubb	1.00			3387.00	
Recorder	0.00	8167	Inside	3387.00	
Recorder	0.00	8370	Outside	3387.00	
Perforations	43.00			3430.00	
Bullnose	5.00			3435.00	49.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Assoc. Inc.

Stramel #1-7

1515 Wynkoop St. Ste. 700
Denver Co. 80202

7-16s-16w Rush Ks.

Job Ticket: 039293

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2010.12.16 @ 03:25:47

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
250.00	GOCM 30%g 27%o 43%m	3.507
60.00	CGO 41%g 59%o	0.842
125.00	GOCM 27%g 33%o 40%m	1.753
0.00	Gas in all fluid free pipe	0.000

Total Length: 435.00 ft

Total Volume: 6.102 bbl

Num Fluid Samples: 0

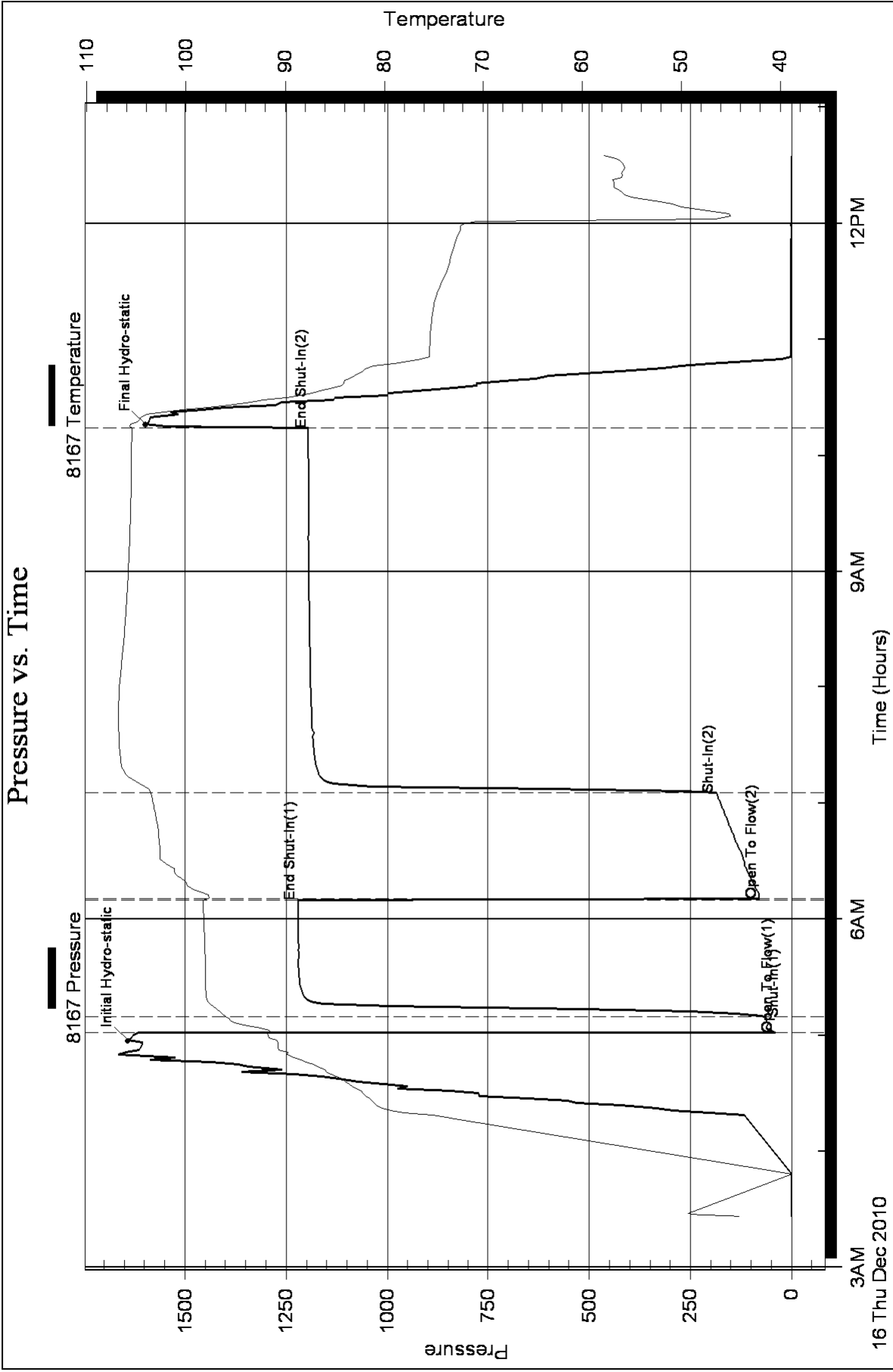
Num Gas Bombs: 0

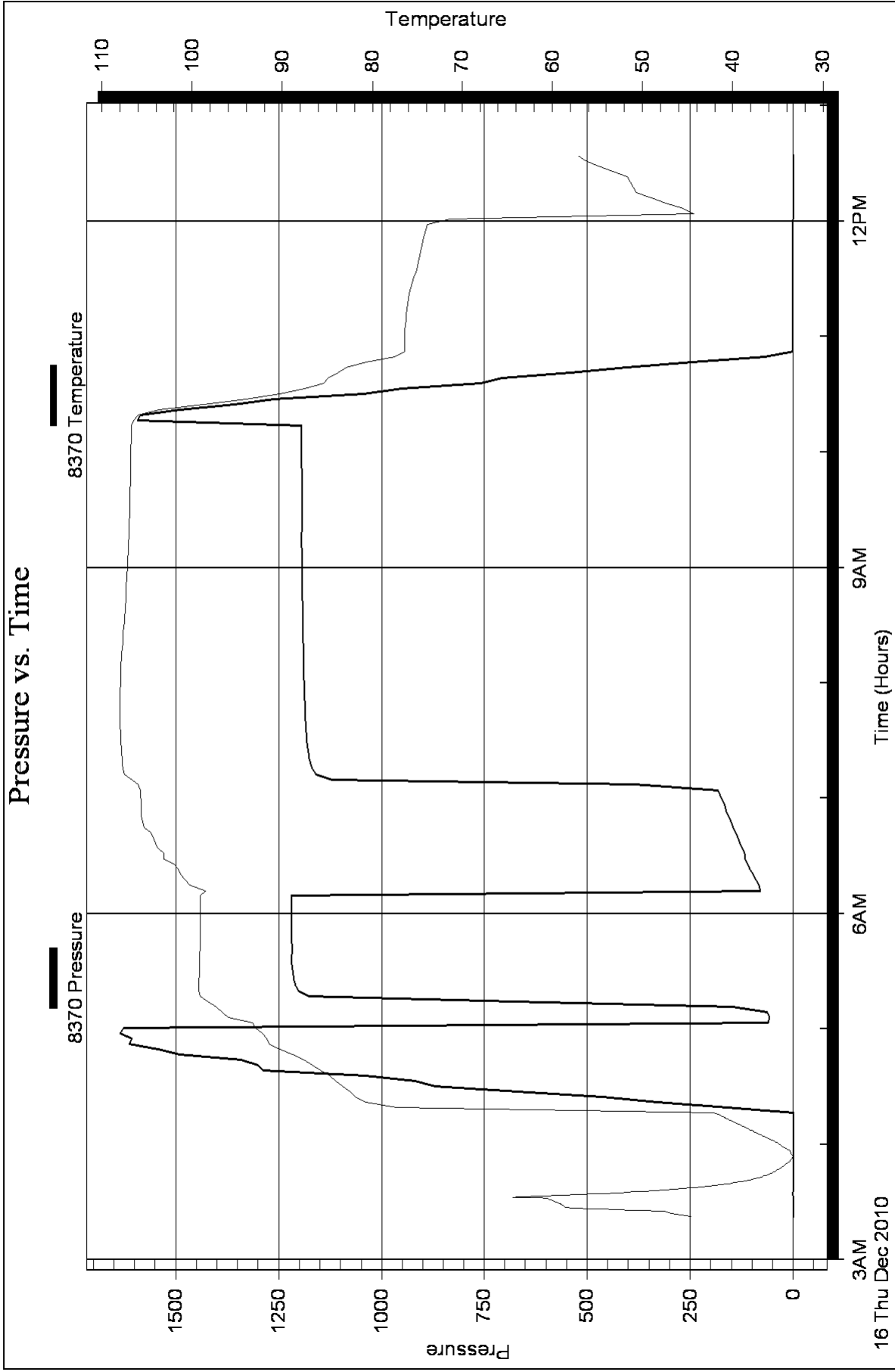
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





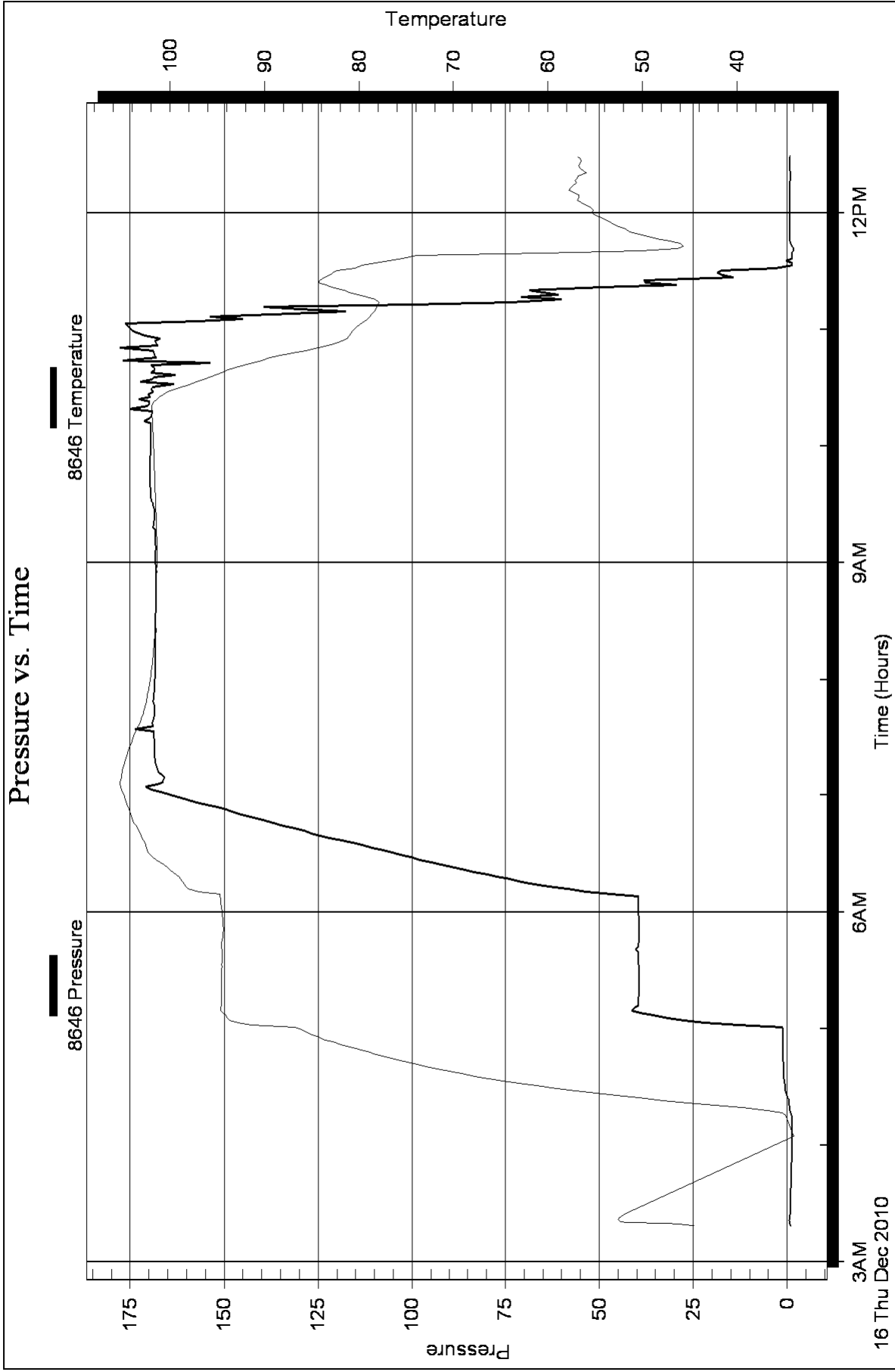
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Fluid

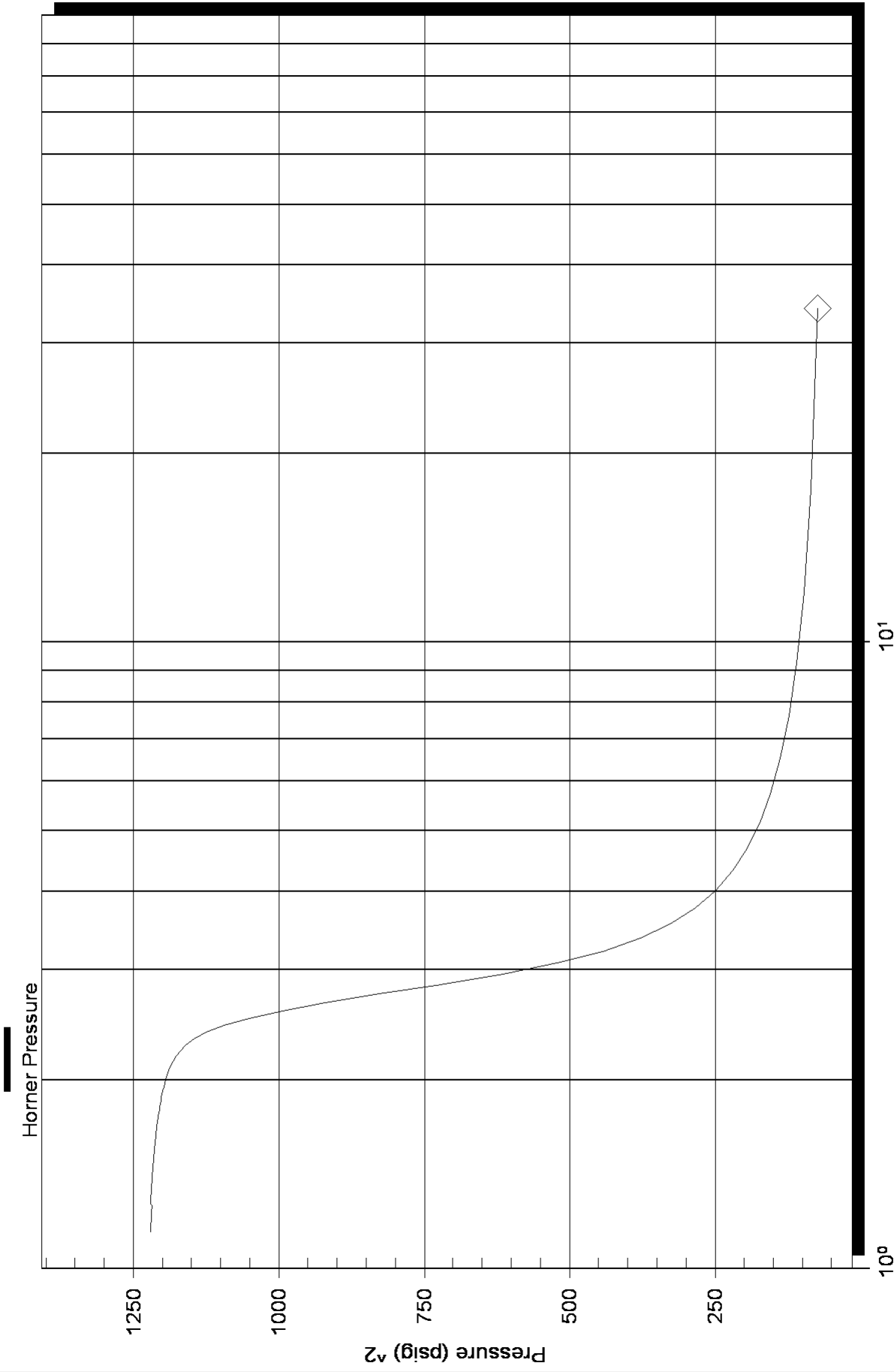
Samuel Gary Jr. & Assoc. Inc.

7-16s-16w Rush Ks.

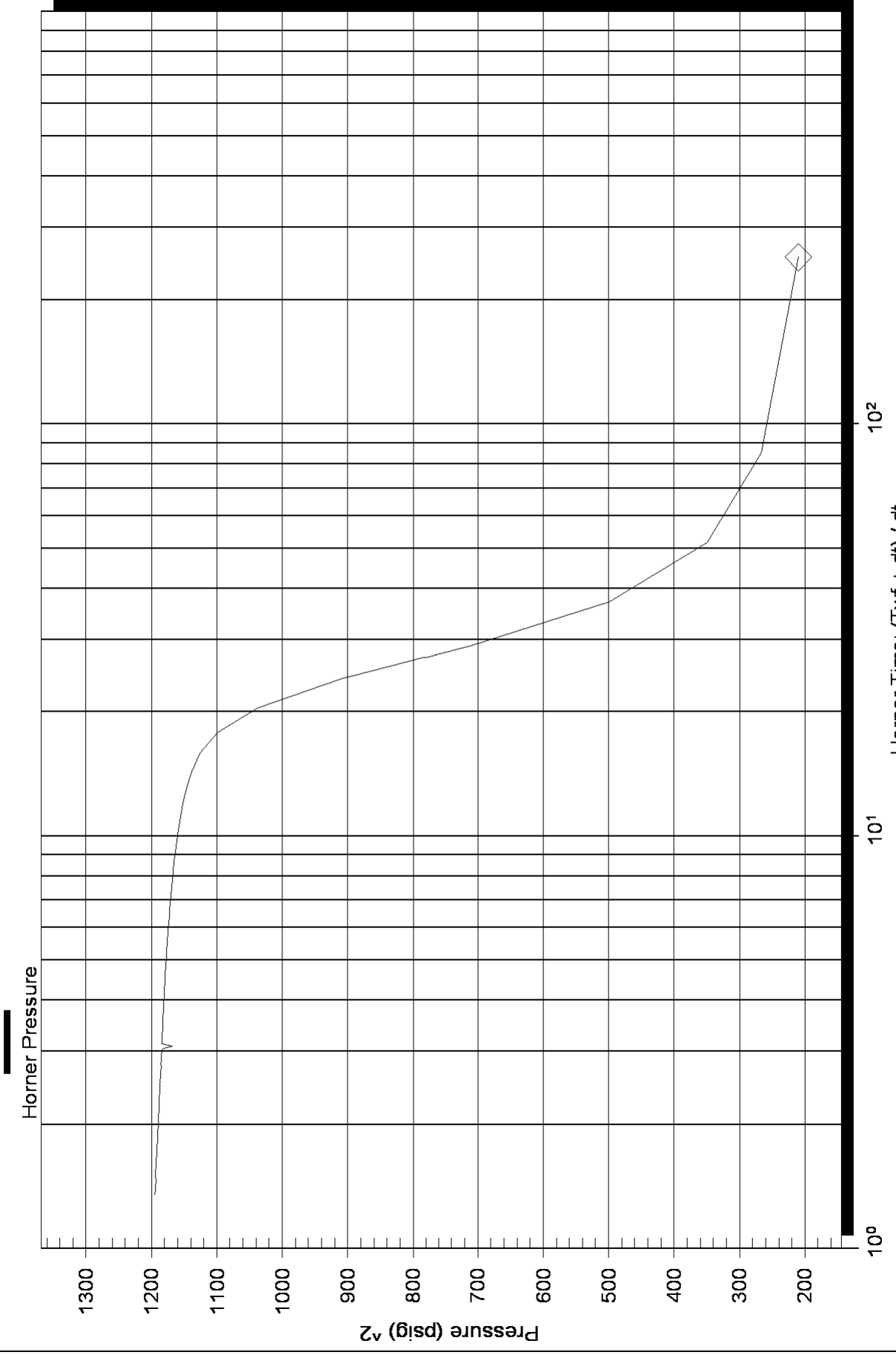
DST Test Number: 2



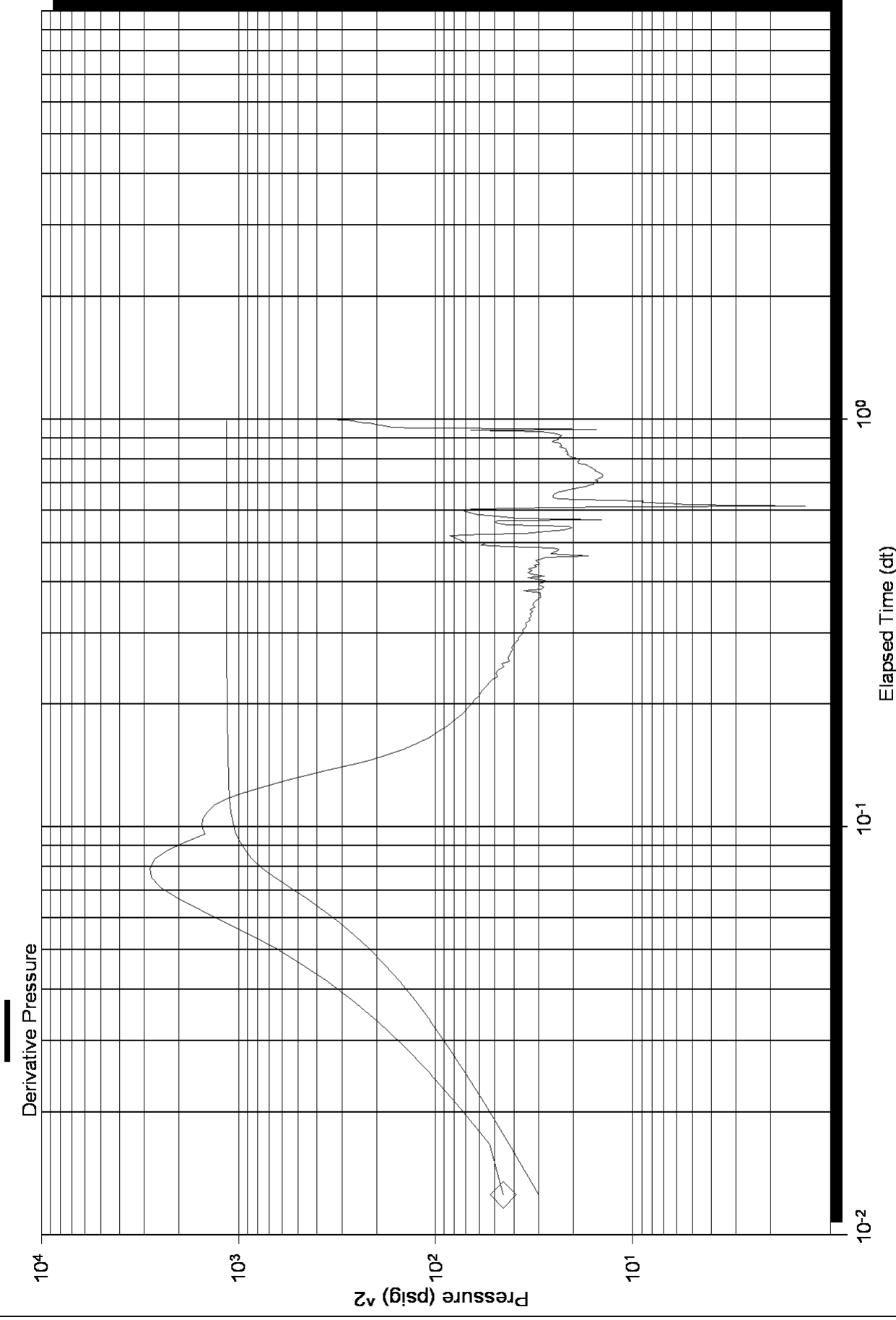
Homer Plot



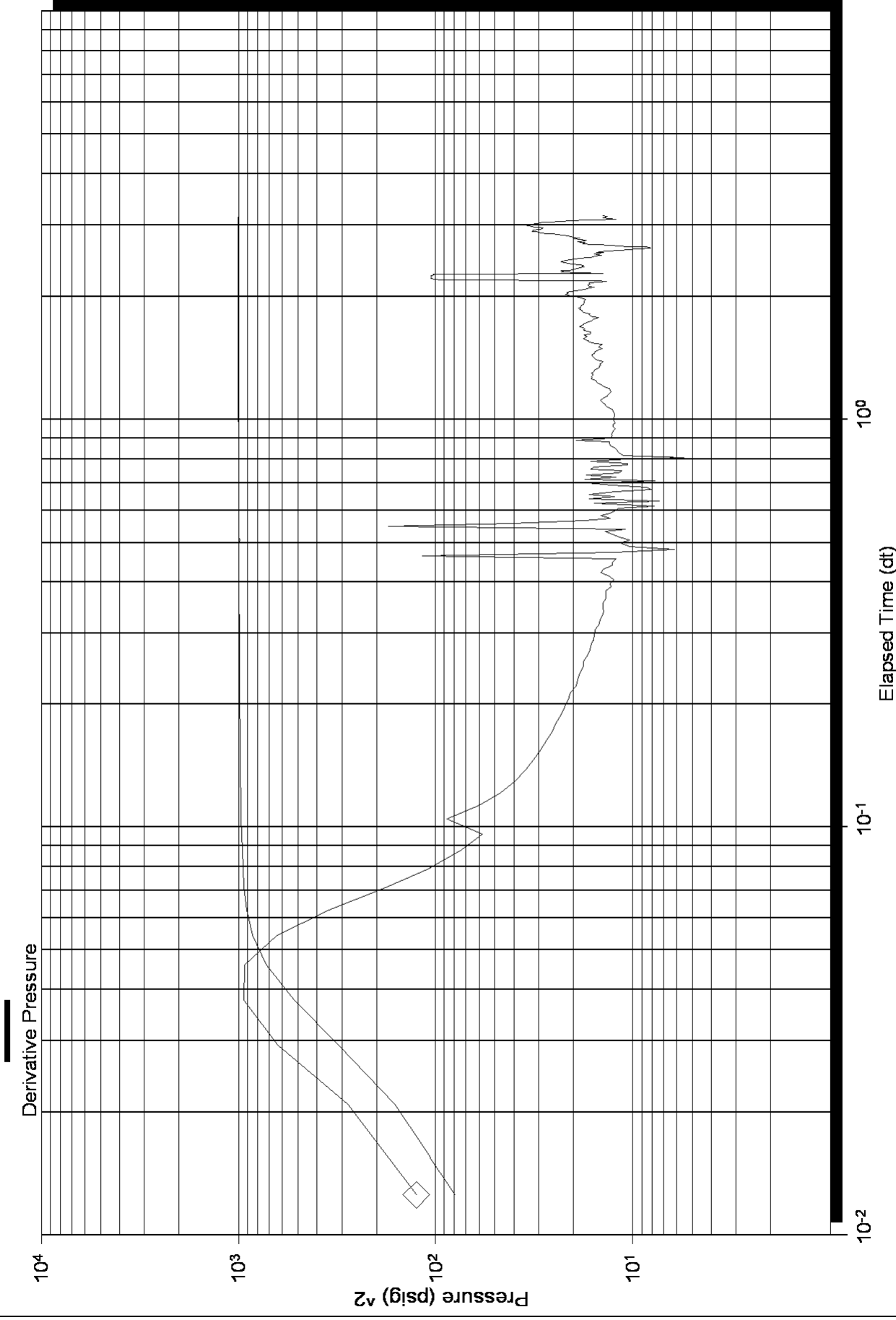
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative





DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. & Assoc. Inc.**

1515 Wynkoop St. Ste. 700
Denver Co. 80202

ATTN: Clayton Camozzi

7-16s-16w Rush Ks.

Stramel #1-7

Start Date: 2010.12.17 @ 06:57:23

End Date: 2010.12.17 @ 14:49:23

Job Ticket #: 039294 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 Jr. & Assoc. Inc.

Stramel #1-7

1515 Wynkoop St. Ste. 700
Denver Co. 80202

7-16s-16w Rush Ks.

ATTN: Clayton Camozzi

Job Ticket: 039294

DST#: 3

Test Start: 2010.12.17 @ 06:57:23

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:38:38

Time Test Ended: 14:49:23

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: 3531.00 ft (KB) To 3545.00 ft (KB) (TVD)

Reference Elevations: 1949.00 ft (KB)

Total Depth: 3545.00 ft (KB) (TVD)

1942.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8167 Inside

Press @ Run Depth: 1164.25 psig @ 3532.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.12.17 End Date: 2010.12.17

Last Calib.: 2010.12.17

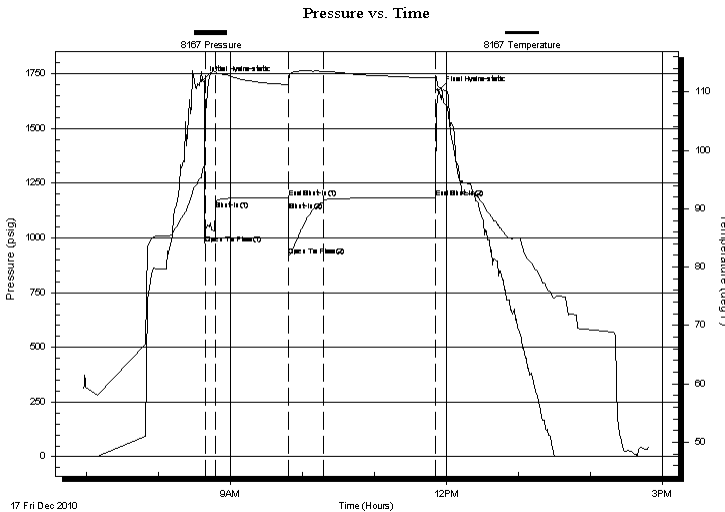
Start Time: 06:57:28 End Time: 14:49:22

Time On Btm: 2010.12.17 @ 08:36:23

Time Off Btm: 2010.12.17 @ 11:53:08

TEST COMMENT: IF: Strong blow . B.O.B. in 30 secs.
IS: Weak blow . 3/4".
FF: Strong blow . B.O.B. in 20 secs.
FS: No blow .

PRESSURE SUMMARY



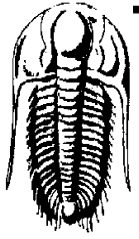
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.74	96.69	Initial Hydro-static
3	975.39	97.60	Open To Flow (1)
11	1126.61	113.41	Shut-In(1)
72	1183.78	111.27	End Shut-In(1)
72	916.72	111.23	Open To Flow (2)
101	1164.25	113.52	Shut-In(2)
195	1183.62	112.44	End Shut-In(2)
197	1675.35	110.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
220.00	MW 16% m 84% w	3.09
2970.00	SW /Rw .28ohms @51 deg.	41.66

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Assoc. Inc.

Stramel #1-7

1515 Wynkoop St. Ste. 700
Denver Co. 80202

7-16s-16w Rush Ks.

Job Ticket: 039294

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2010.12.17 @ 06:57:23

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:38:38

Time Test Ended: 14:49:23

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: 3531.00 ft (KB) To 3545.00 ft (KB) (TVD)

Reference Elevations: 1949.00 ft (KB)

Total Depth: 3545.00 ft (KB) (TVD)

1942.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8370 Outside

Press @ Run Depth: psig @ 3532.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.12.17 End Date: 2010.12.17

Last Calib.: 2010.12.17

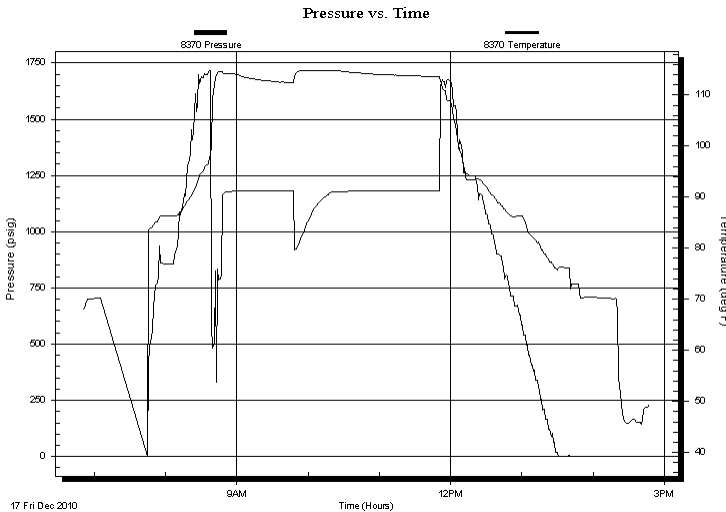
Start Time: 06:50:45 End Time: 14:47:54

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 30 secs.
IS: Weak blow . 3/4".
FF: Strong blow . B.O.B. in 20 secs.
FS: No blow .

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
220.00	MW 16% m 84% w	3.09
2970.00	SW /Rw .28ohms @51 deg.	41.66

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr. & Assoc. Inc.

Stramel #1-7

1515 Wynkoop St. Ste. 700
Denver Co. 80202

7-16s-16w Rush Ks.

Job Ticket: 039294

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2010.12.17 @ 06:57:23

Tool Information

Drill Pipe:	Length: 3510.00 ft	Diameter: 3.80 inches	Volume: 49.24 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 49.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3531.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3502.00	
Shut in tool	5.00			3507.00	
Sampler	2.00			3509.00	
HMV	5.00			3514.00	
Jars	5.00			3519.00	
Safety Joint	3.00			3522.00	
Packer	4.00			3526.00	30.00 Bottom Of Top Packer
Packer	5.00			3531.00	
Stubb	1.00			3532.00	
Recorder	0.00	8167	Inside	3532.00	
Recorder	0.00	8370	Outside	3532.00	
Perforations	8.00			3540.00	
Bullnose	5.00			3545.00	14.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Assoc. Inc.

Stramel #1-7

1515 Wynkoop St. Ste. 700
Denver Co. 80202

7-16s-16w Rush Ks.

Job Ticket: 039294

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2010.12.17 @ 06:57:23

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:

35000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
220.00	MW 16% m 84% w	3.086
2970.00	SW /Rw .28ohms @51 deg.	41.661

Total Length: 3190.00 ft Total Volume: 44.747 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

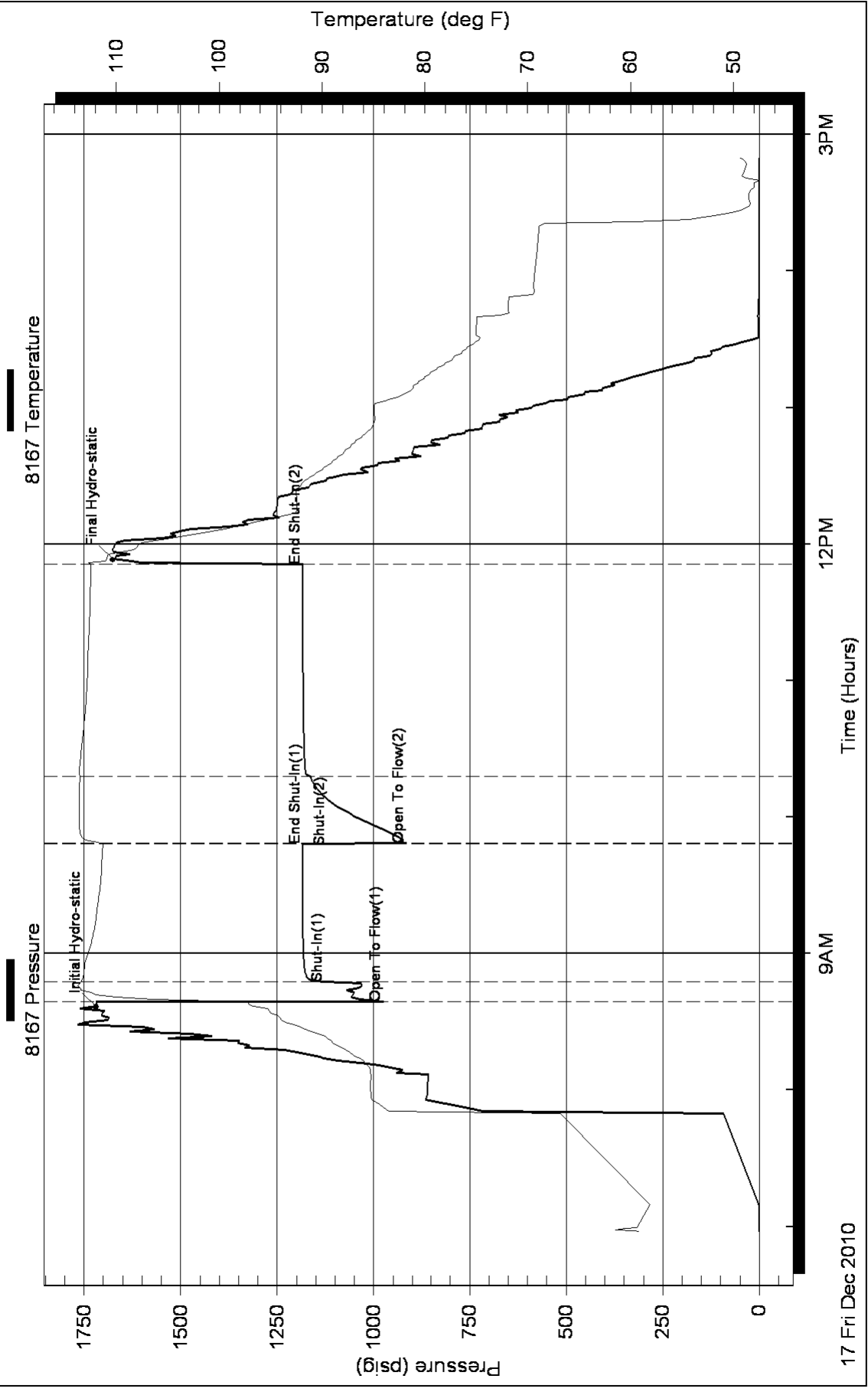
Serial #: none

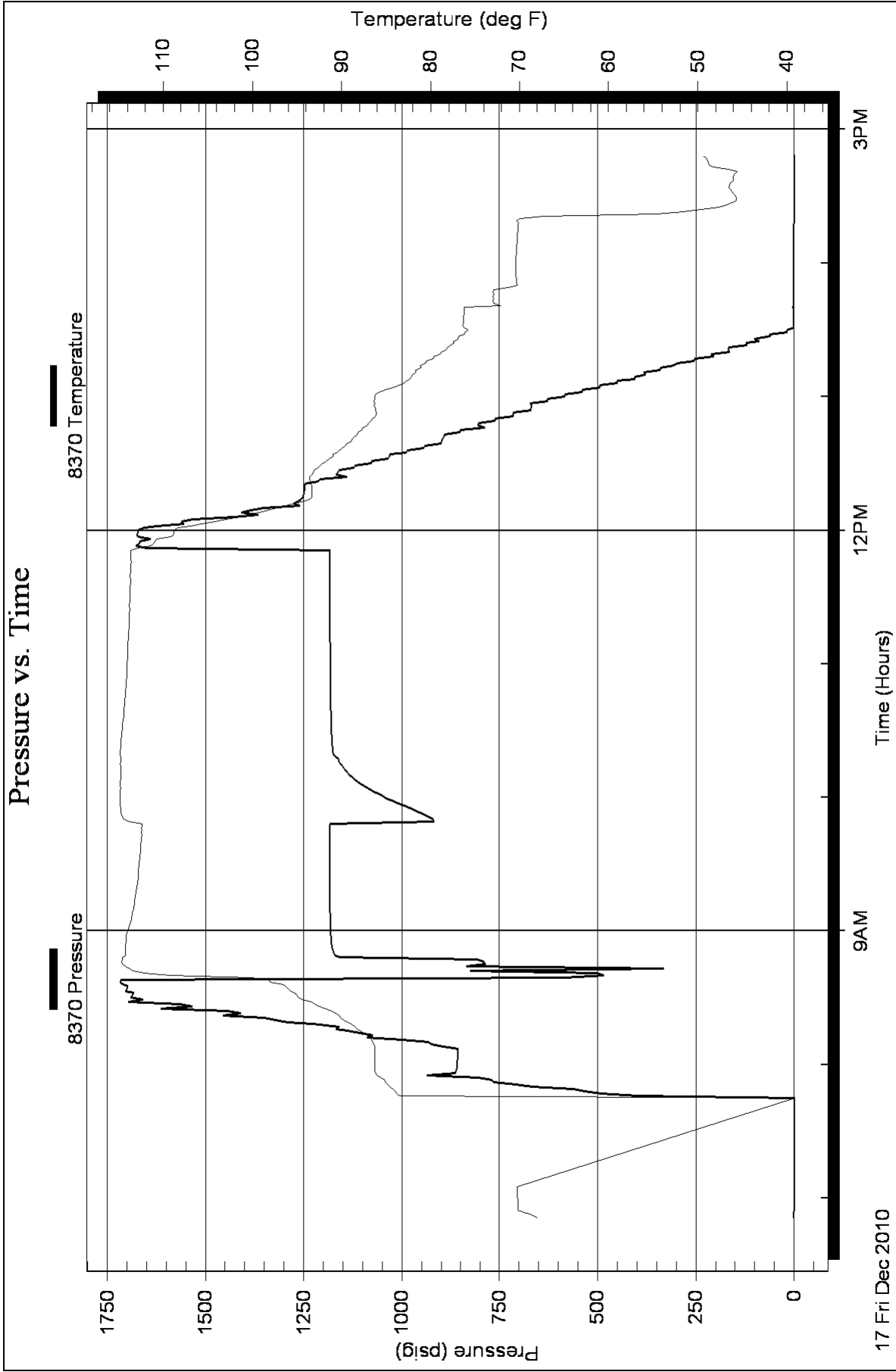
Laboratory Name:

Laboratory Location:

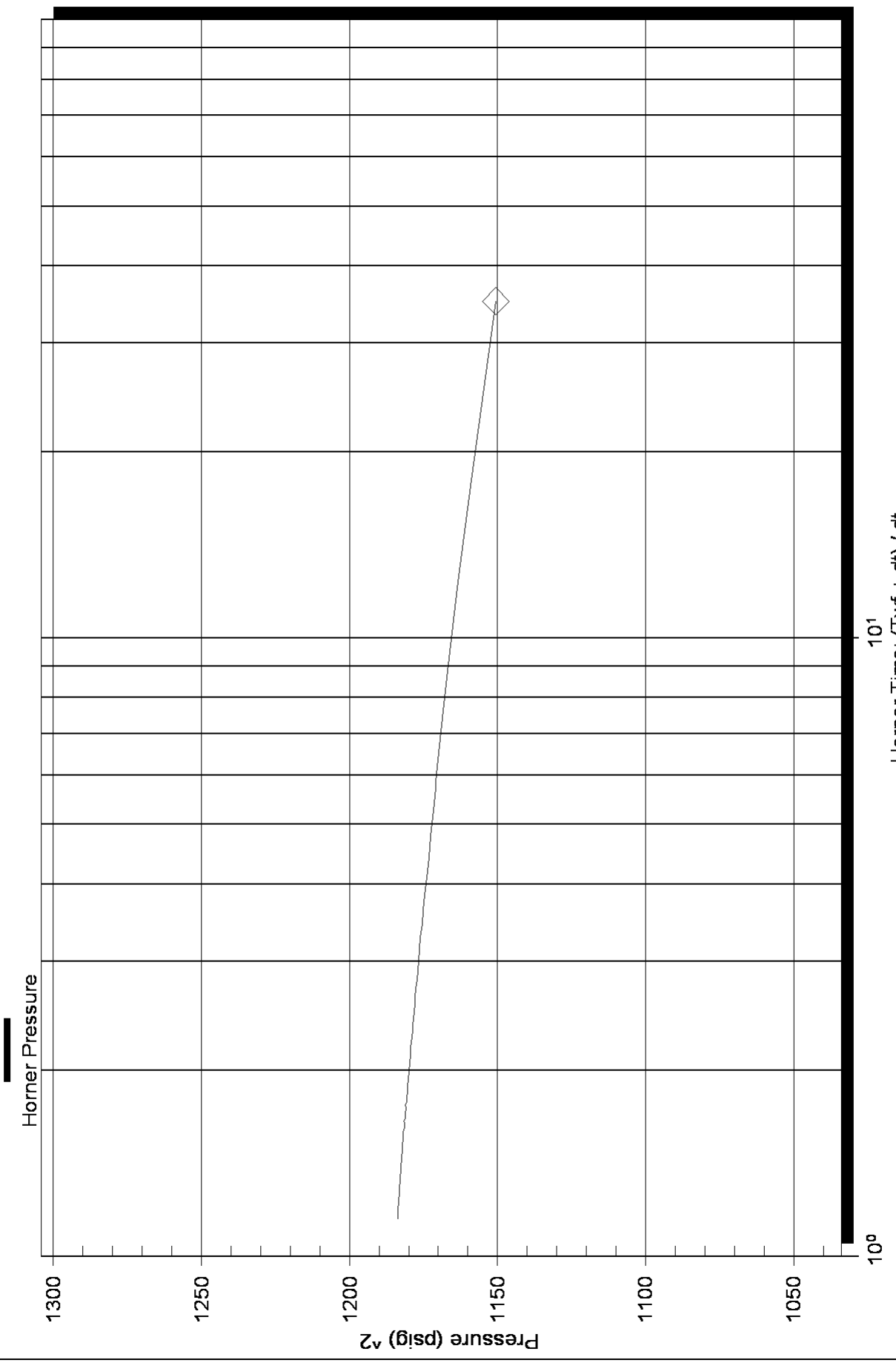
Recovery Comments: SAMPLER DATA: 2300 ML. of water @ 1160 psi

Pressure vs. Time

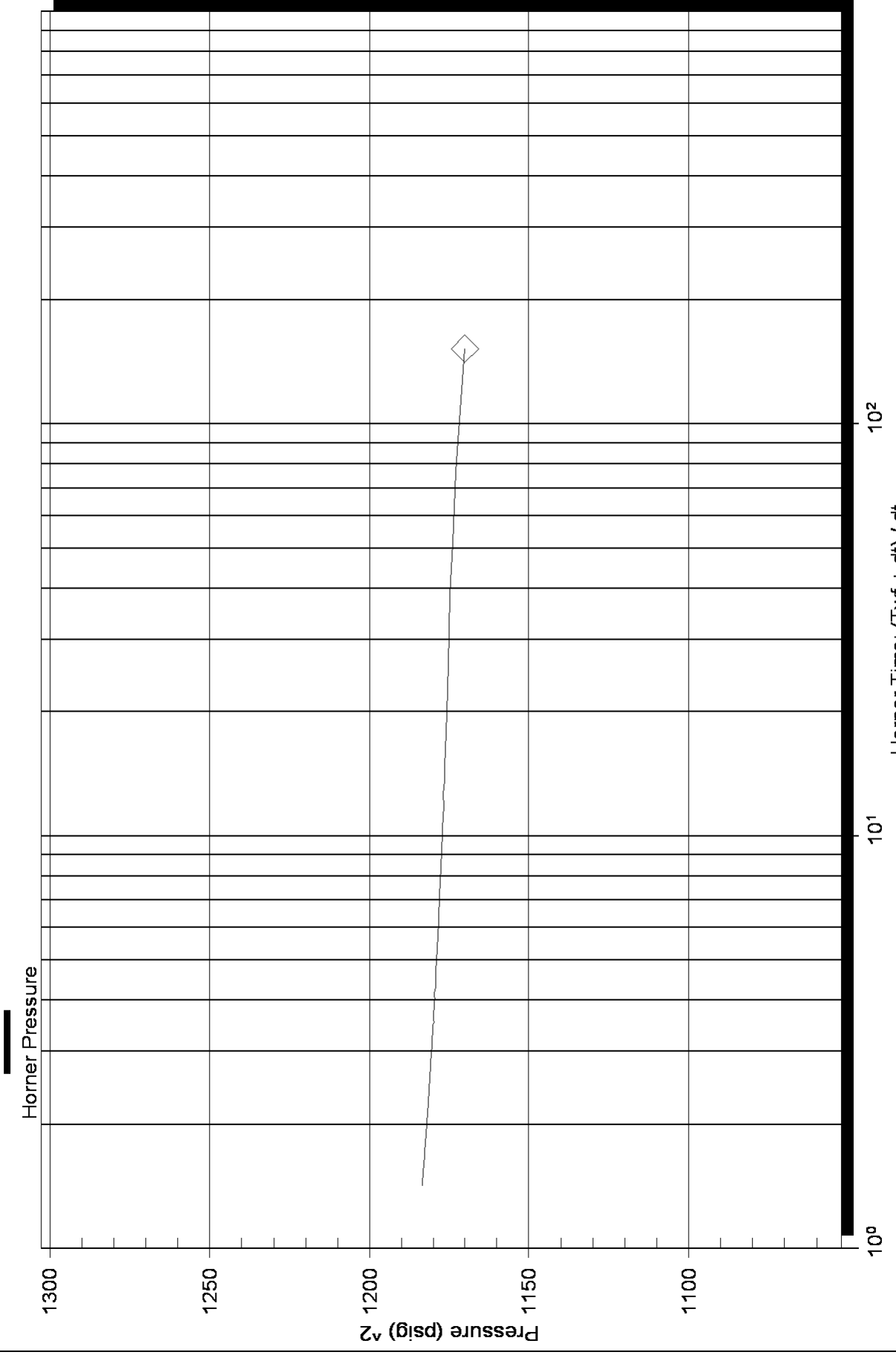




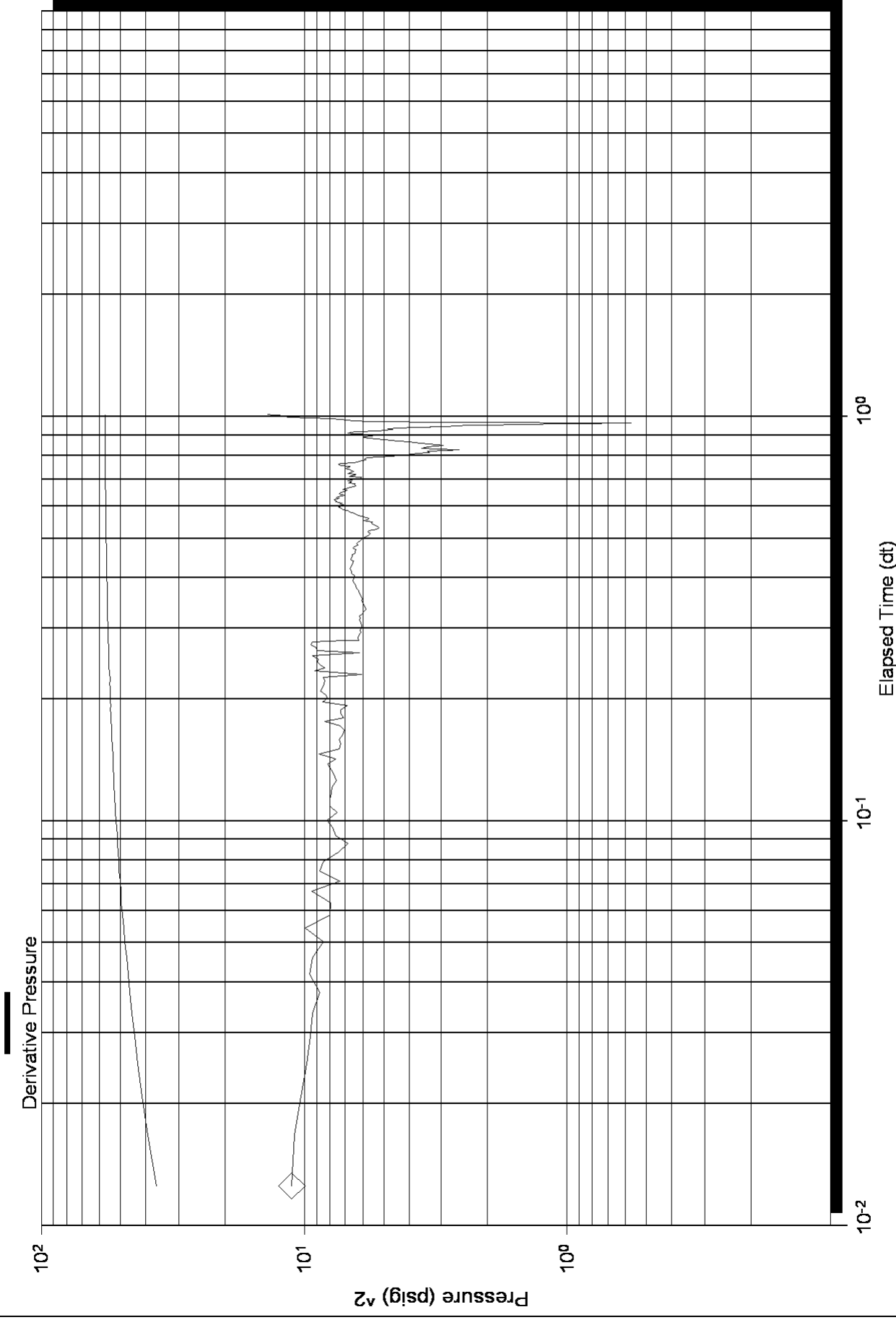
Homer Plot



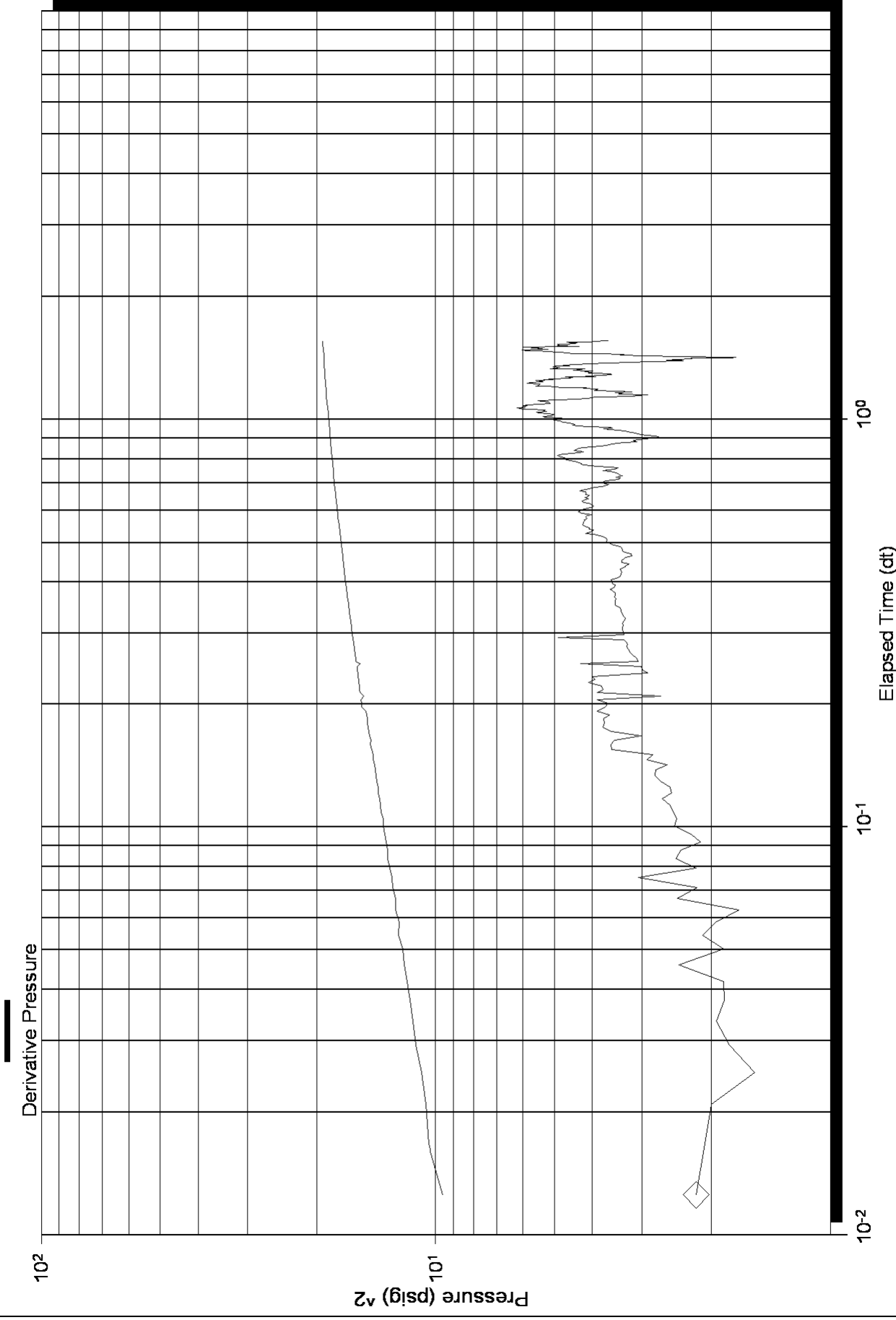
Homer Plot



Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative



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/>

Thomas E. Wright, Chairman
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

April 21, 2011

CLAYTON CAMOZZI
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO-1
API 15-165-21909-00-00
Stramel 1-7
S/2 Sec.07-16S-16W
Rush County, Kansas

Dear CLAYTON CAMOZZI:

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 12/10/2010 and the ACO-1 was received on April 20, 2011 (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