



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 #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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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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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	WELLS TRUST 1-6
Doc ID	1048592

All Electric Logs Run

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



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

December 22, 2010

Tom Fertal  
Samuel Gary Jr. & Associates, Inc.  
1515 WYNKOOP, STE 700  
DENVER, CO 80202

Re: ACO1  
API 15-159-22621-00-00  
WELLS TRUST 1-6  
SW/4 Sec.06-21S-10W  
Rice County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office at 303-831-4673.

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](mailto:cementing@ruraltel.net)  
 Pratt Location 620-388-5422

Date: 8/31/2010  
 Invoice # 4150

P.O.#:  
 Due Date: 9/30/2010  
 Division:

# Invoice

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

DRLG  COMP  W/O  LCE  
 AFE # \_\_\_\_\_  
 ACCT. # 8200-138  
 APPROVED BY RJS

**Reference:**  
 WELLS TRUST 1-6

**Description of Work:**

Services / Items Included:	Quantity	Price	Item	Quantity	Price
Surface Job	1	\$0.00			
Distance from Job location to Nearest Camp	29	\$239.70		8 5/8" Basket	1 \$280.82
Premium Gel (Bentonite)	8	\$115.74			
Flo Seal	215	\$382.13			
Common-Class A	430	\$4,470.87			
Calcium Chloride	15	\$502.01			
Distance from Job location to Nearest Bulk Plant	29	\$140.26			
Truck Material-Material Service Charge	453	\$750.35			
8 5/8" Wooden Plug	1	\$67.54			
		Labor:	\$811.46		

Quoted by: Dave Funk  
 SubTotal: \$ 8,599.73  
 Discount Available ONLY if Invoice is Paid &  
 Received within listed terms of invoice: \$ (1,289.96)  
 Total: \$ 7,309.77  
 Tax: \$ 447.03  
 \$ 7,756.80

**Applied Payments:**  
 Balance Due: \$ 7,756.80

**Invoice Terms:**  
 Net 30

**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

SEP 16 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. 4150

Date	8-31-10	Sec.	6	Twp.	21	Range	10	County	Rice	State	Ks	On Location		Finish	4:15 AM
Lease	Wells trust			Well No.	11-6			Location	Raymond, Ks - S to U Rd, 2W to 2nd						
Contractor	Ual Energy Rig #6							Owner	Rl						
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 1/4"		T.D.	308'			Charge To	Sam Gary							
Csg.	8 7/8"		Depth	308'			Street								
Tbg. Size			Depth				City	State							
Tool			Depth				The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.	15'		Shoe Joint	15'			Cement Amount Ordered	430 sx Common 3% CC 2% Gel							
Meas Line			Displace	18 1/2 BBLS											

**EQUIPMENT**

Pumptrk	1	No.	Cementor	Paul	2# F.S. per sx
			Helper		Common 430
Bulktrk	12	No.	Driver	Cisco	Poz. Mix
			Driver		Gel. 8
Bulktrk	p.u.	No.	Driver	Rick	Calcium 15
			Driver		Hulls

**JOB SERVICES & REMARKS**

Remarks:	Cement did Circulate				
Rat Hole	Salt				
Mouse Hole	Flowseal 215#				
Centralizers	Kol-Seal				
Baskets	1 - 40' from Surface				
D/V or Port Collar	Mud CLR 48				
	CFL-117 or CD110 CAF 38				
	Sand				
	Handling 433				
	Mileage				

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	
Baskets	1 - 8 7/8"
AFU Inserts	
Float Shoe	
Latch Down	1 - Wooden plug
Pumptrk Charge	Surface
Mileage	29

Tax	
Discount	
Total Charge	

Signature *Raymond*



1009-AP-591

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: 9/8/2010  
Invoice # 4233

P.O.#:

Due Date: 10/8/2010

Division:

9/30

# Invoice

DRLG  COMP  W/O  LCE

AFE # \_\_\_\_\_  
ACCT. # 8200-138  
APPROVED BY KTS  
Desc. Cement to plug well

**Contact:**

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

**Reference:**

WELLS TRUST 1-6

**Description of Work:**

PLUG JOB

Services / Items Included:	Quantity	Item	Quantity
page-from Job location to Nearest Camp	19		
Premium Gel (Bentonite)	8		
POZ Mix-Standard	76		
Plugging, the First Well Service	1		
Flo Seal	43		
Dry Hole Plug	1		
Common-Class A	114		
page-from Job location to Nearest Bulk Plant	19		
Truck Material-Material Service Charge	198		

Quoted by: Dave Funk

SubTotal: \$ 3,959.93

Discount Available ONLY if Invoice is Paid &  
Received within listed terms of invoice: \$ (593.99)

Total: \$ 3,365.94

Tax: \$ 200.71

**\$ 3,566.66**

Applied Payments:

Balance Due: \$ 3,566.66

**Invoice Terms:**

Net 30

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**

SEP 23 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. 4233

Date	9-7-10	Sec.	6	Twp.	21	Range	10	County	Rice	State	Ks	On Location		Finish	7:15 Am
Lease	Wells trust		Well No.	1-6		Location Raymond, Ks - 5 to 4 Rd, 2w, 10									
Contractor	Val Energy Rig #6					Owner w/s									
Type Job	plug					To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Hole Size	17 7/8"		T.D.	3480'											
Csg.			Depth	3395'											
Tbg. Size	4 1/2"		Depth	3395'											
Tool			Depth												
Cement Left in Csg.			Shoe Joint												
Meas Line			Displace	H2O/Mud		Cement Amount Ordered 190 60/10 4% Gel 2HF.S.									

**EQUIPMENT**

Pumptrk	5	No.	Cementer	Paul	Common	114
			Helper			
Bulktrk	10	No.	Driver	Cisco	Poz. Mix	76
			Driver			
Bulktrk	p.u.	No.	Driver	Rick	Gel.	8
			Driver			

**JOB SERVICES & REMARKS**

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal 48#
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
3395' - 35 SX	CFL-117 or CD110 CAF 38
1250' - 35 SX	Sand
900' - 35 SX	Handling 198
370' - 35 SX	Mileage
60' - 25 SX	
Rat hole - 15 SX	
Mouse hole* 10 SX	

**FLOAT EQUIPMENT**

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	1 - wooden plug
	Pumptrk Charge plug (arb)
	Mileage 19

Tax  
Discount  
Total Charge

X Signature *R. J. ...*





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

KANSAS CORPORATION COMMISSION 1044318  
OIL & GAS CONSERVATION DIVISION

Form CP-4  
March 2009

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

**WELL PLUGGING RECORD**  
K.A.R. 82-3-117

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

API No. 15 - \_\_\_\_\_  
 Spot Description: \_\_\_\_\_  
 \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 \_\_\_\_\_ Feet from  North /  South Line of Section  
 \_\_\_\_\_ Feet from  East /  West Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
 County: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_  
 Date Well Completed: \_\_\_\_\_  
 The plugging proposal was approved on: \_\_\_\_\_ (Date)  
 by: \_\_\_\_\_ (KCC District Agent's Name)  
 Plugging Commenced: \_\_\_\_\_  
 Plugging Completed: \_\_\_\_\_

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

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

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

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

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

Submitted Electronically

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



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

Well Name: WELLS TRUST 1-6  
Location: SEC 6, T21 S, R10W, RICE COUNTY , KANSAS  
License Number: 15-159-22621-00-00  
Spud Date: 08/29/2010  
Surface Coordinates: 1350' FSL & 1890' FWL  
Region: Wildcat  
Drilling Completed: 09/06/2010

**Bottom Hole Coordinates:**

Ground Elevation (ft): 1729'                      K.B. Elevation (ft): 1739'  
Logged Interval (ft): 1700'                      To: 3480'                      Total Depth (ft): 3480'  
Formation: Lansing, Arbuckle  
Type of Drilling Fluid:

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://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 ONE MANNED UNIT ON 09/02/2010  
CFS 2540' 20,40,60  
SHORT TRIP TO CASING  
CTCH 1.5 HRS  
CFS 2606' 20,40,60 TOTAL 1.5  
CFS 2781' 20,40,60  
CFS 2995' 20,40,60 TOTAL 1.5  
CFS/CTCH 3065' 20,40,60 TOTAL 1.5 HRS  
SHORT TRIP 15 STANDS TO 2606'  
CTCH 1.5 HRS  
CFS 3103' 20,40,60 TOTAL 1.5 HRS  
CFS 3115' 20,40,60 TOTAL 1.5 HRS  
TOH DST#1  
CTCH 3115' 1 HR  
CFS 3183' 20,40,60,80  
TOH DST#2  
CTCH 3183' 1.5 HRS  
CFS 3228' 20 MIN  
CFS 3294' 20,40,60 TOTAL 1.5 HRS  
CFS 3335' 20,40,60  
CFS 3361' 20, 40,60  
CFS 3370' 20,40,60  
TOH DST#3  
CTCH 3370' 30 MIN  
CFS 3394' 20,40,60  
CFS 3404' 20,40,60 TOTAL 1.5 HRS  
TOH DST#4  
CFS/CTCH 3480' 20,40,60  
RTD 10:30 AM 09/06/2010

### DST's Report

DST#13068'-3115' ANCHOR 29' IF WEAK DIED IN 5 MIN, IS NO RTN, FF NO BLOW, FS NO RTN, RECOVERY 5' OSM, BHT 102, IH 1540, FIF 21, FFF 19, ISI 42, SIF 21, SFF 20, FSI 29, FH 1502, TIMES 15,60,10,45

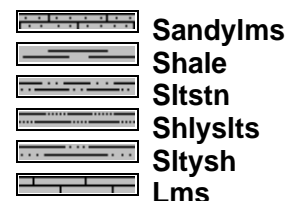
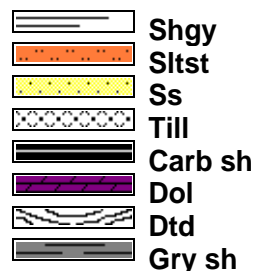
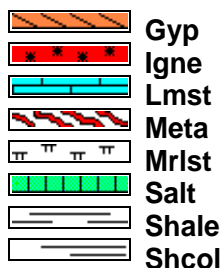
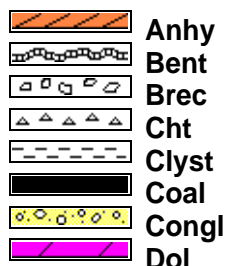
DST #2 3128'-3183' ANCHOR 55' IF BOB I MIN,FF BOB IMMEDIATELY, FS NO RTN RECOVERY 1952' GIP, 92' GOCWM  
BHT 102, IH 1583, FIF 20, FFF 27, ISI 1146, SIF 28, SFF 44, FSI 1126, FH 1513 TIMES 10,60,40,150

### DST's Report

DST#3 3298'-3370' ANCHOR 72' IF VERY STRONG BOB IMMEDIATELY 2077' SW IH 1669,FIF 865, FIF 1024 FH 1566  
TIMES 15 MIN

DST#4 3394'-3404' ANCHOR 10' IF FAIR 4 INCHES IS NO RTN, FF BOB 50 MIN, FS NO RTN, RECOVERY 250' SW  
IH 1671, FIF 22, FFF 47, ISI 1175, SIF 51, SFF 128, FSI 1170, FH 1579, TIMES 20,60,60,180

## ROCK TYPES

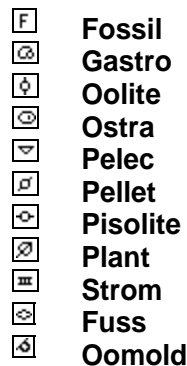
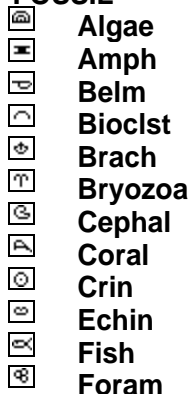


## ACCESSORIES

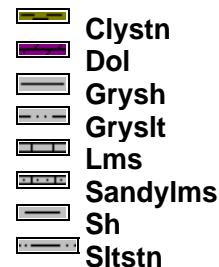
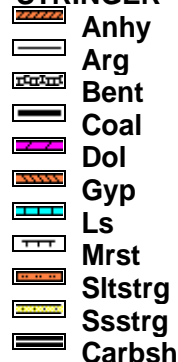
### MINERAL



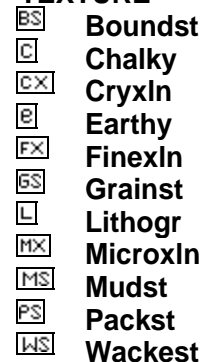
### FOSSIL



### STRINGER

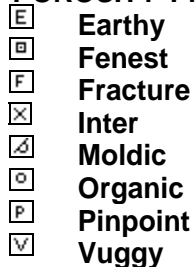


### TEXTURE



## OTHER SYMBOLS

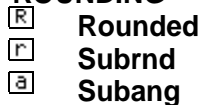
### POROSITY TYPE



### SORTING



### ROUNDING



### OIL SHOWS

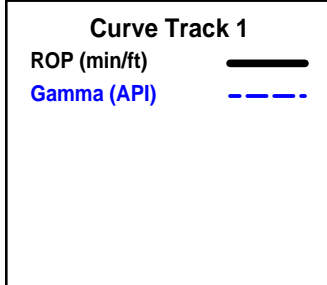


### INTERVALS



### EVENTS



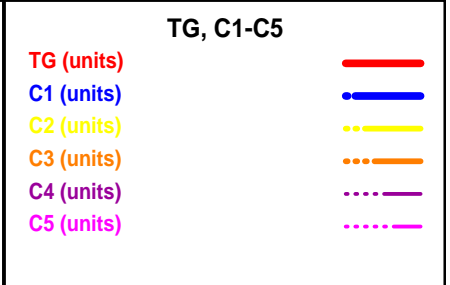


Depth

Lithology

Oil Shows

Geological Descriptions



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

16

START ONE MANNED UNIT ON  
09/02/2010

1 TG, C1-C5 10 100 1000

DRILLING  
CONTRACTOR  
VAL-6

SURFACE CASING  
SET @308' 8 5/8

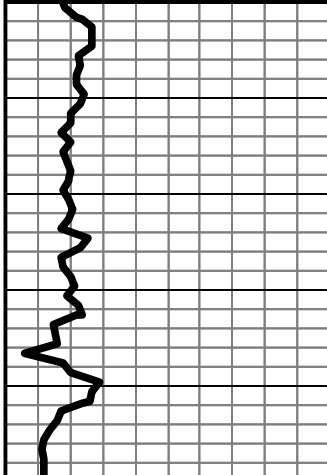
1650

DRILLING  
CONTRACTOR  
VAL-6

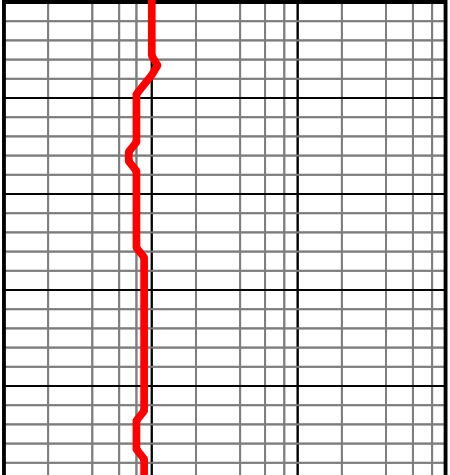
SURVEY'S  
308' .25 DEG  
3115' .75 DEG

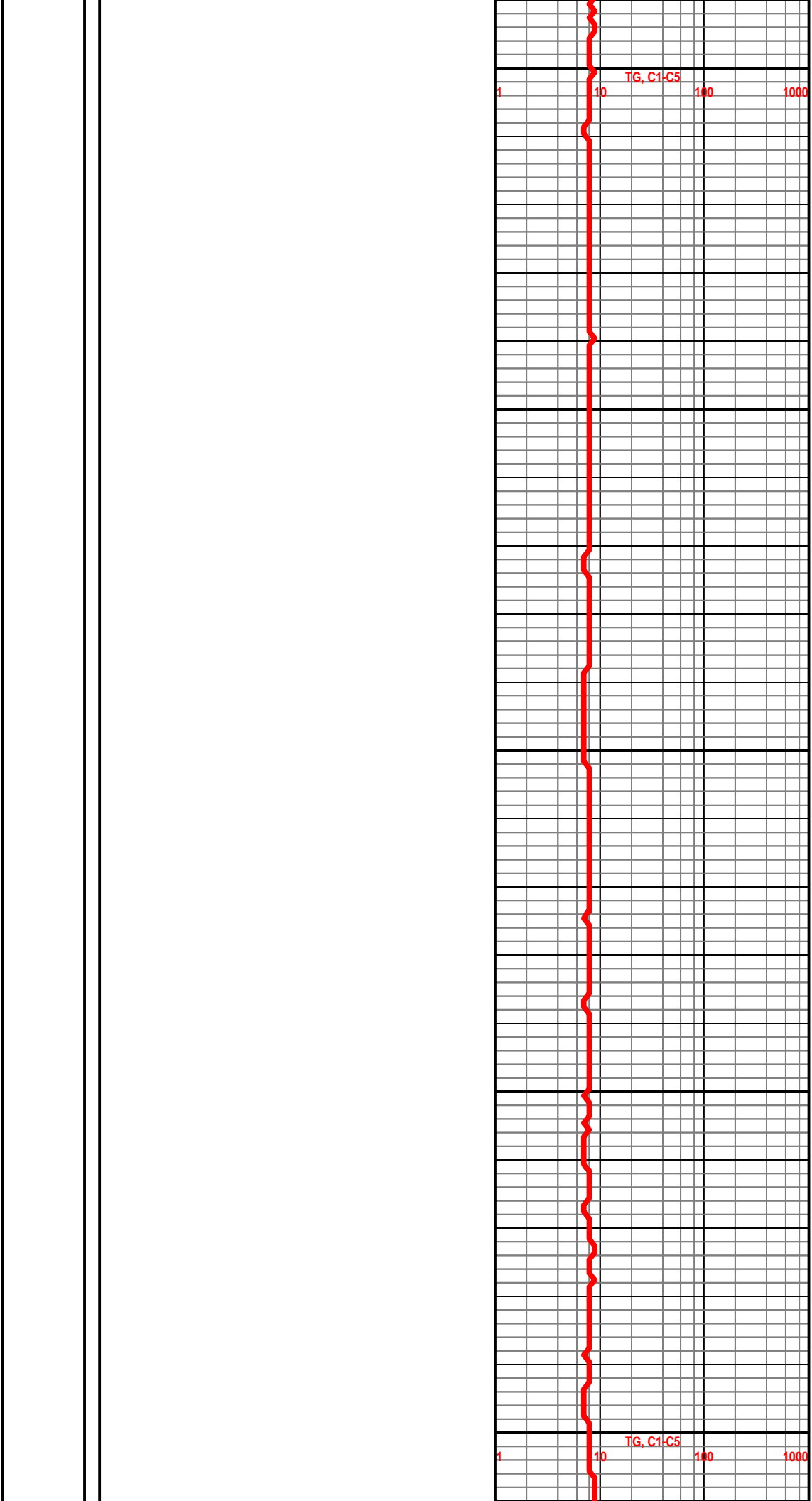
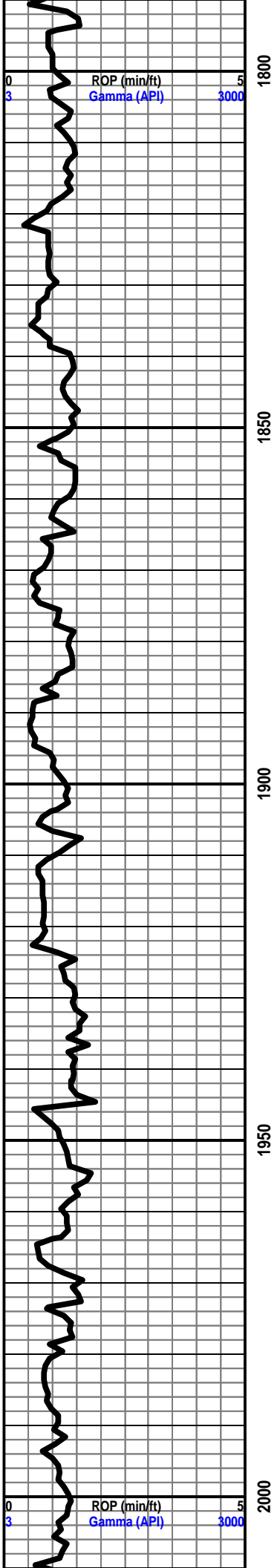
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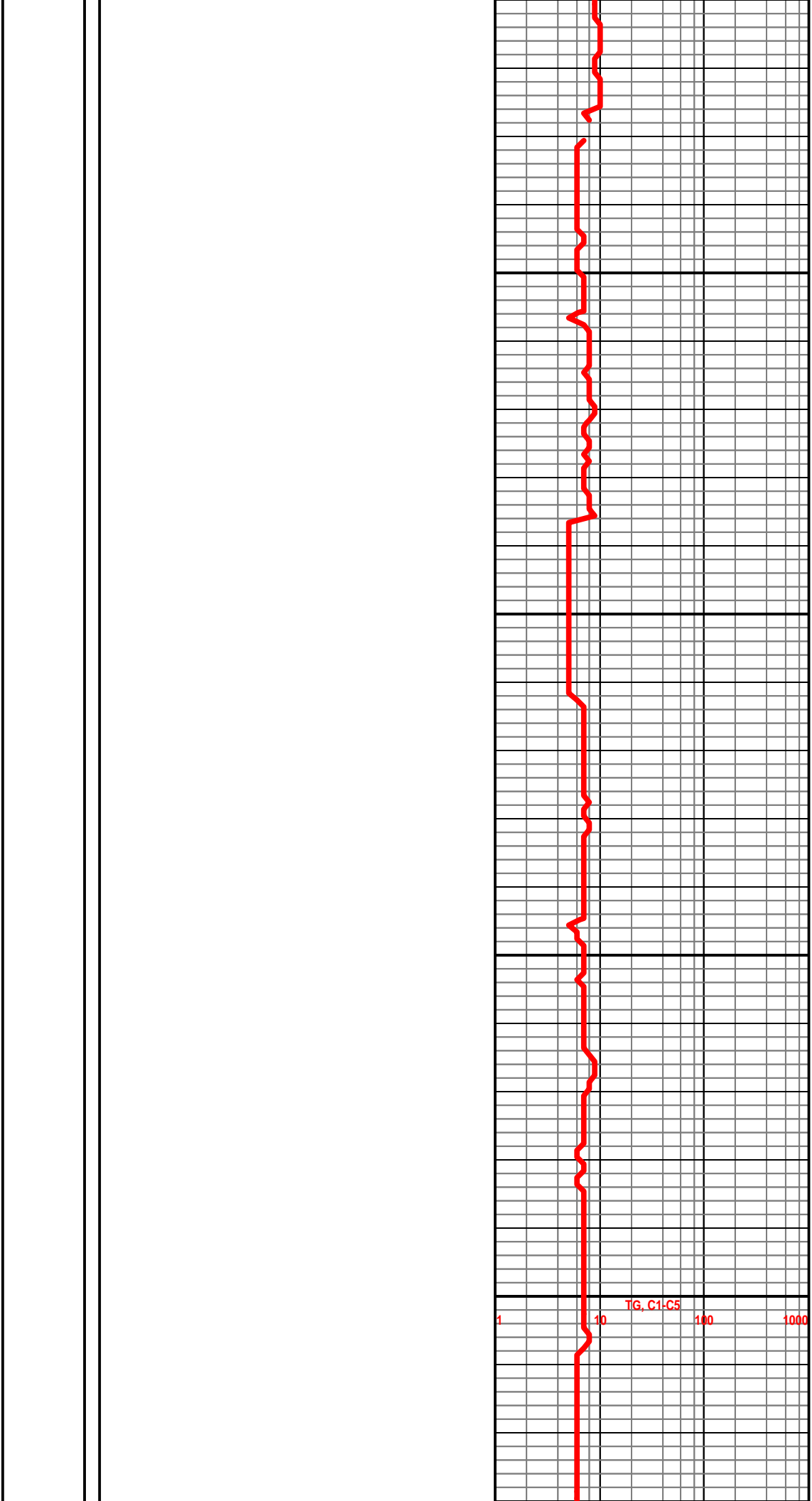
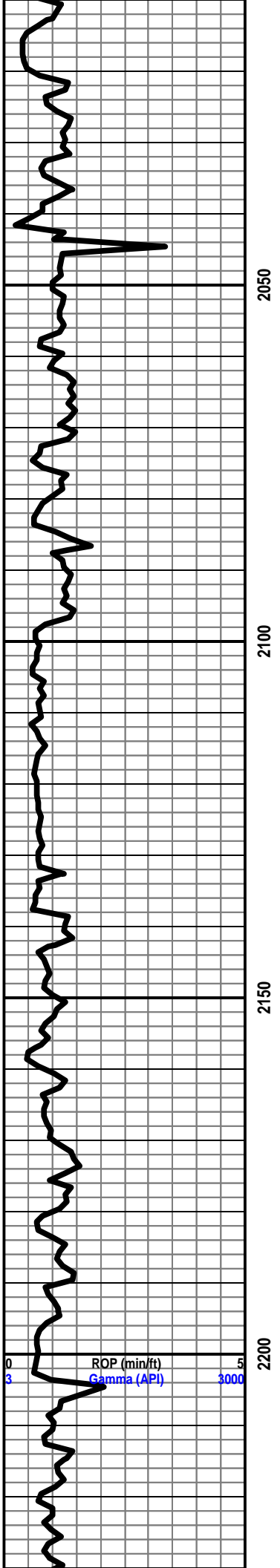
STRAP @ 2540'  
WAS .026 SHORT  
TO THE BOARD

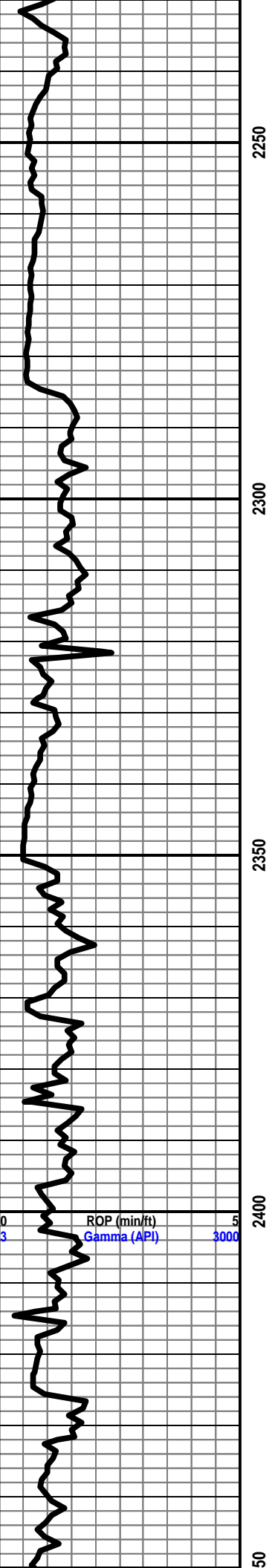


1750









2250

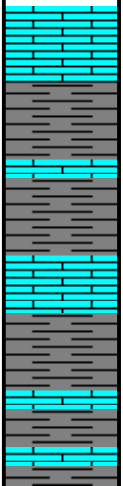
2300

2350

2400

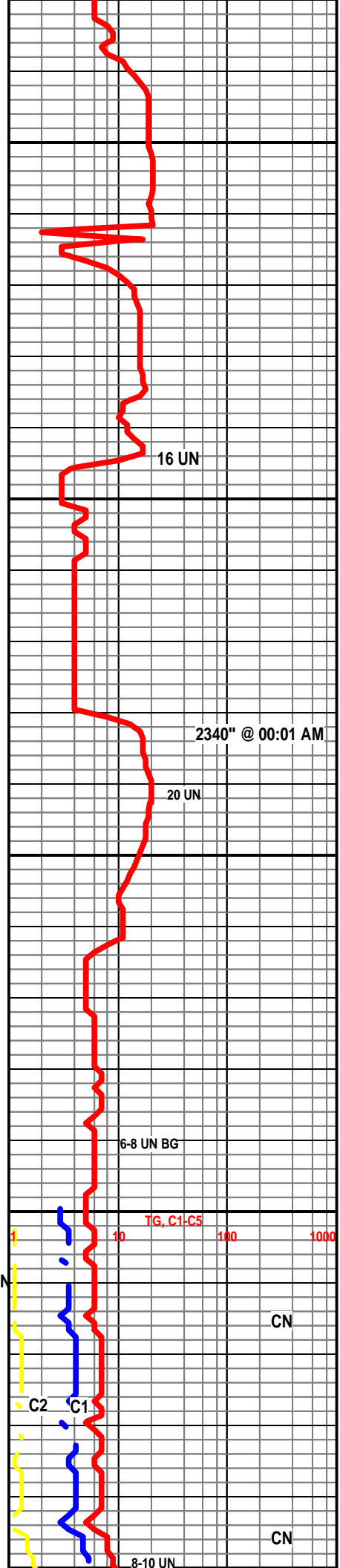
2450

BASE ROOT SHALE 2284' -545'



LS LT GRY TN LT TN HD TO FRM BRITT VVFN TO FN XLN  
 MTX TR IMBD GRY SH TO DISS GRY SH NO FLO NO VIS  
 POR NO VIS SHOW

SH GRY LT GRY SLTLY FRM SMOOTH SPLNTY LMY IP



16 UN

2340" @ 00:01 AM

20 UN

6-8 UN BG

TG, C1-C5

C2

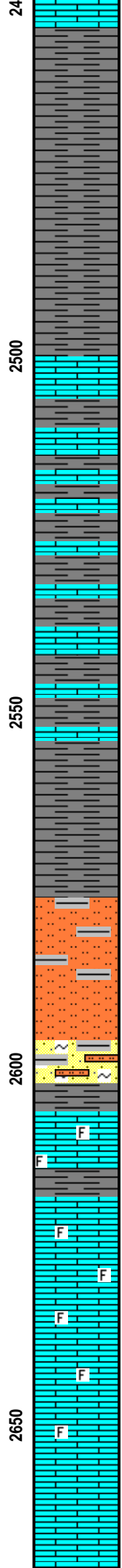
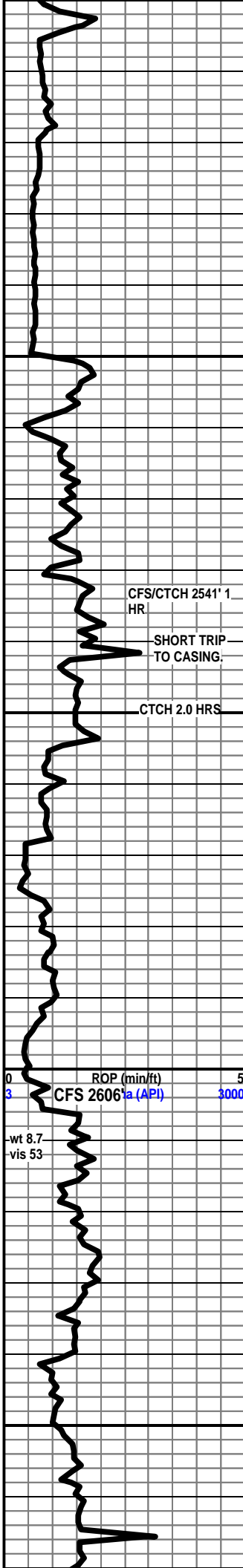
C1

CN

CN

8-10 UN





SH GRY LT GRY VRY SFT AND GUMMY

CN

**HOWARD 2501' -762'**

LS GRY LT GRY TN BUFF HD TO FRM BRITT VVFN TO FN TR MD XLN MTX RE-XLN MTX IMBD FOSS SUB-CHLKY IP TO IMBD GRY SH IP TR SCATT DULL LT YWL FLO IP TO NO FLO TR MICRO PP POR TO POSS INTERXLN POR NO CUT NO VIS SHOW

CN

SH GRY LT GRY TO BRN SLTLY FRM SFT SILTY WITH TR IMBD FOSS IP

LS LT GRY TN BRN BUFF HD TO FRM TR IMBD SH TO DISS GRY SH IP NO FLO POSS INTERXLN POR NO CUT NO VIS SHOW

CN

**SEVERY 2554' -815'**

SH GRY LT GRY FRM SMOOTH BRITT CALC SLTLY LMY

SH LT GRY VRY SFT SILTY THRU GUMMY

SILT STN GRY LT GRY VVFN SILTSTN GRNS WITH IMBD GRY SH NO FLO NO VIS POR NO VIS SHOW

SS CLR FSTY WHT LT GRY VVFN TO FN SUB-ANG TO SUB-RND SS GRNS POOR SORT WITH IMBD MICA TR GLAC TR IMBD GRY SH SILTY NO FLO NO ODOR TR MICRO PP POR TO TR POOR TO SLT TR FAIR INTER GRAN POR NO CUT NO VIS SHOW

CN

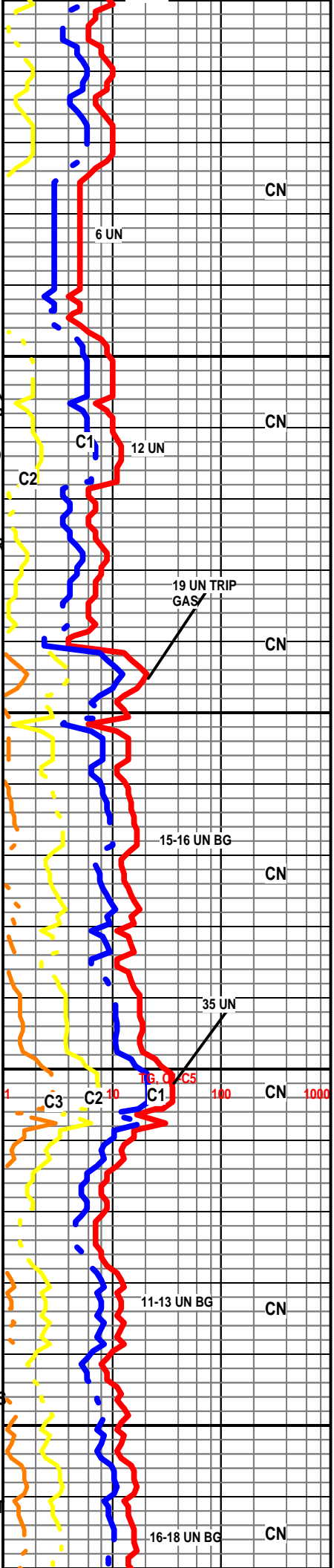
**TOPEKA 2606' -867'**

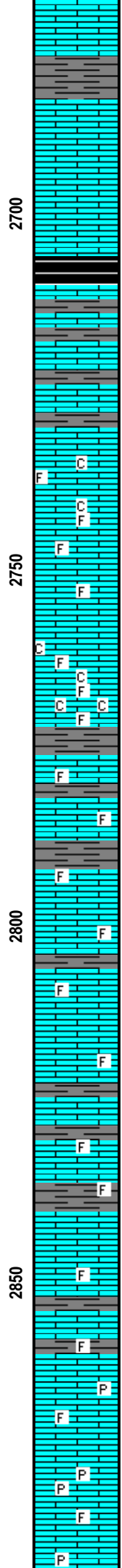
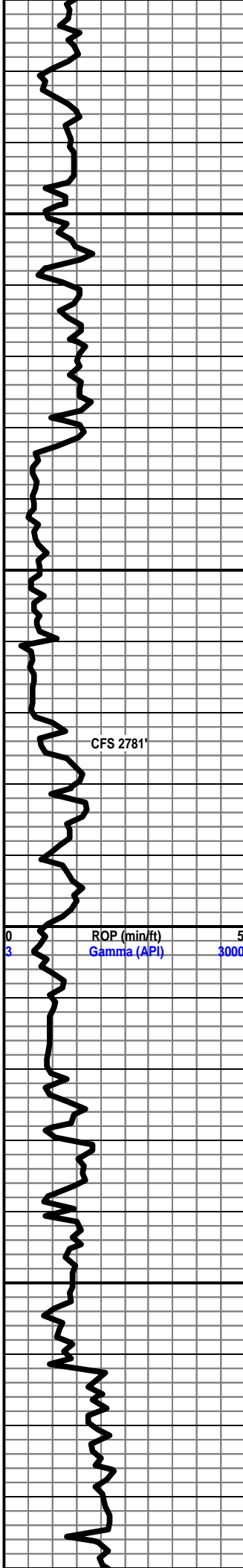
LS LT GRY TN TL TN BUFF HD FR BRITT VVFN TO FN XLN MTX SUB-CHLKY IP TR IMBD FOSS IP SCATT DULL LT YWL FLO NO VIS POR NO CUT NO VIS SHOW

LS TN LT TN CRM BUFF FRM BRITT VVFN TO FN XLN MTX TR IMBD FOSS FRG IP SUB-CHLKY TO CHLKY TR IMBD QRTZ XLS IP TR DISS PYR IP LT YWL FLO TR POOR MICRO PP TO PP POR TR VUGS IP NO CUT NO VIS SHOW

LS GRY LT GRY TN LT TN BUFF MOTT HD TO FRM BRITT VVFN TO FN XLN MTX SUCRO TXT IP NO FLO NO VIS POR NO VIS SHOW

CN





SH GR Y BRN SMOOTH SFT TO SILTY MUSHY

LS TN LT TN CRM BUFF TO OFF WHT HD TO FRM BRITT VVFN TO FN XLN MTX MD XLN MTX RE-XLN MTX TR IMBD QRTZ XLS IP TR IMBD GR Y AND BRN SH IP NO FLO POSS POOR INTER XLN TO TR VUGS IP DULL YLW FLO IP NO CUT NO VIS SHOW

SH BLK CARB

LS GR Y LT GR Y TN LT TN BUFF MOTT HD TO FRM BRITT INTERBEDD GR Y SH NO FLO NO VIS POR NO VIS SHOW

**LE COMPTON 2727' -988'**

LS TN LT TN CRM BUFF FRM SFT TO BRITT CHLKY LMNTD PYR IP IMBD FOSS TR LOOSE FOSS FRG IN TRAY TR POOR TO FAIR INTERXLN POR MICRO PP AND PP POR SCATT TR LT YLW FLO IP TO NO FLO NO CUT NO VIS SHOW

LS CRM BUFF TO OFF WHT SLTLY FRM TO SFT CHLKY THRU IMBD FOSS THRU SUCRO TXT IP TR IMBD CALC XLS TO IMBD SM ANG QRTZ XLS LT YLW FLO POOR TO FAIR INTER XLN TO POSS INTER FOSS POR WITH POOR TO FAIR TO GOOD PP AND MICRO PP POR NO CUT SLTLY GASSY ODOR IN 60 MIN SAMPLE NO VIS SHOW

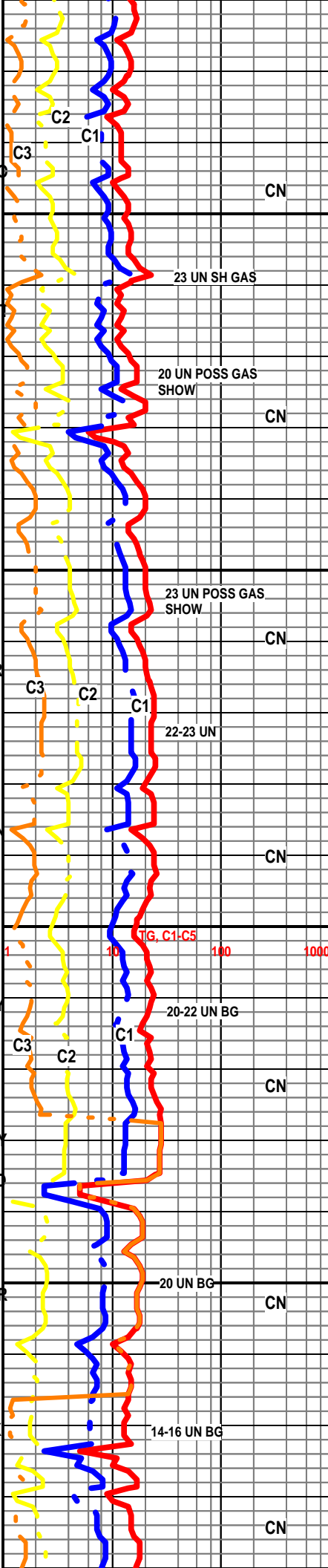
LS TN LT TN CRM TO BUFF HD TO FRM VVFN TO FN XLN MTX TR IMBD FOSS TR IMBD TO DISS GR Y SH IP TR PP AND MICRO PP POR POSS INTER XLN POR NO FLO NO CUT NO VIS SHOW

LS LT GR Y LT TN CRM BUFF TO OFF WHT FN XLN MTX RE-XLN MTX TR FOSS FRG IN TRAY IP TR PYR IP CHLKY SCATT TR LT YLW FLO TO NO FLO TR POOR TO POSS FAIR INTER XLN POR IP NO CUT NO VIS SHOW

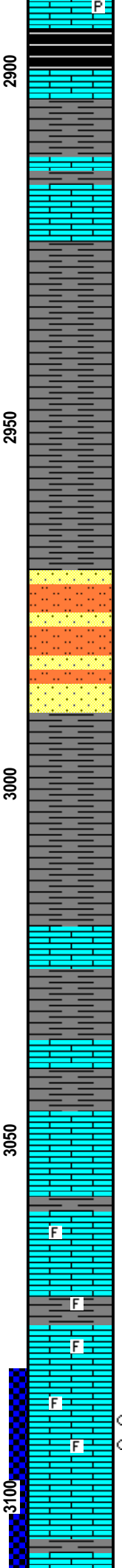
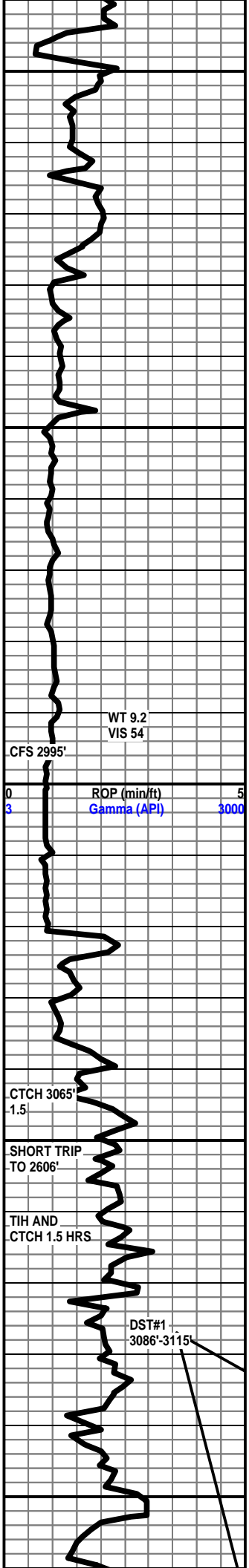
LS LT TN CRM BUFF LT GR Y IP HD TO FRM BRITT VVFN TO FN XLN TMX RE-XLN MTX TR IMBD FOSS SUB-CHLKY TR LMNTD SH IP NO FLO TR POSS INTER XLN POR TO TR MICRO PP POR SCATT TR LT YLW TO DULL YLW FLO NO CUT NO VIS SHOW

LS CRM BUFF LT GR Y TO OFF WEHT FRM BRITT VVFN TO FN XLN MTX CHLKY TR IMBD FOSS NO FLO TR POOR TO POSS FAIR INTER XLN POR NO CUT NO VIS SHOW

LS GR Y LT GR Y TN BUFF HD FRM VVFN TO FN XLN MTX TR CRYPTO XLN MTX IMBD FOSS TR PYR NODULES IN TRAY TR LOOSE FOSS FRG IN TRAY DULL YLW FLO IP NO VIS POR NO VIS SHOW



**HEEBNER 2893' -1154**



SH BLK CARB

SH GRY LT GRY SMOOTH FRM TO SFT SPLNTY LMY IP

LS GRY TN LT TN HD DN TT CRYPTO TO VVFN XLN MTX  
TR IMBD FOSS IP NO FLO NO VIS POR NO VIS SHOW

**DOUGLAS 2923' -1184'**

SH LT GRY SFT GUMMY

SH LT GRY SFT GUMMY

SS LT GRY TO CLEAR VRY SM TO SM SUB-ANG TO  
SUB-RND SS GRNS WITH SILICIOUS CMNT FRI TR IMBD  
SH IP TR GLAC IP WITH TR VRY SM TO SM AND SOME T  
MD SUB-RND TO RND UNCONSOLIDATED SS GRNS  
LOSE IN TRAY WITH SILSTN GRY LT GRY VVFN GRNS  
WITH TR SUB-ANG TO SUB-RND SS GRNS IMBD IP NO  
STAIN NO FLO POOR FAIR TO GOOD INTER GRAN POR  
NO CUT NO VIS SHOW

SH LT GRY SFT GUMMY

**BROWN LIME 3020' -1281'**

LS DK TN TO TNHD DN TT CRYPTO XLN MTX THRU NO  
FLO NO VIS POR NO VIS SHOW

SH DK GRY TO GRY SLTLY FRM TO SFT SMOOTH SILTY

**LANSING 3045' -1306'**

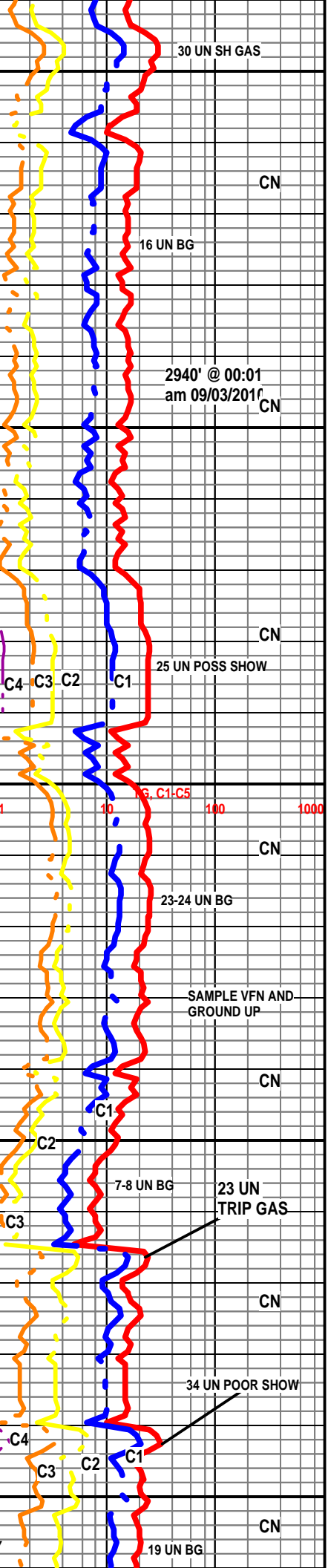
LS DK TN TO TN TO BUFF HD DN BRITT CRYPTO TO  
VVFN XLN MTX TR IMBD FOSS TR DISS GRY SH IP  
SCATT TR DULL LT YLW FLO IP NO VIS POR NO CUT NO  
VIS SHOW

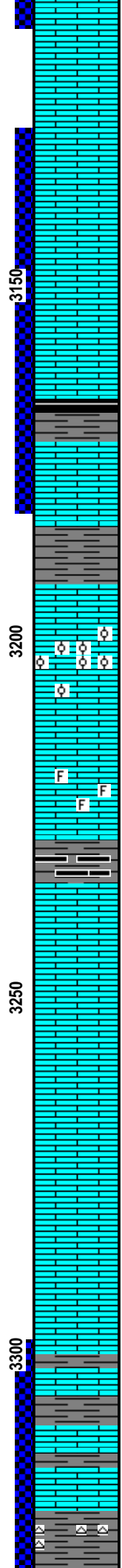
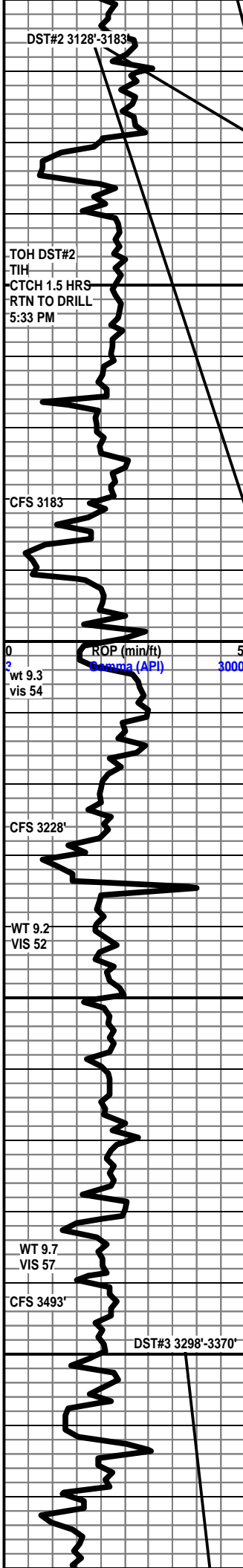
LS TN LT TN LT GRY BUFF HD DN CRYPTO TO VFN XLN  
MTX TR LOOES FOSS FRG IP TR IMBD GRY SH IP NO  
FLO NO VIS POR NO VIS SHOW

**LANSING "X" 3076' -1337'**

LS TN LT TN CRM BUFF MOTT HD TO FRM BRITT VVFN  
TO FN XLN MTX RE-XLN MTX IP TR IMBD SM FOSS  
SUB-CHLKY TR SUCRO TXT FAINT ODOR IN 40,60 MIN  
SAMPLE POOR TO FAIR INTERXLN POR 40% TO TR  
MICRO PP POR 10% LT YLW FLO 10% TO DULL LT YLW  
FLO 30% VRY FAINT TR OIL STAIN 10% VRY FAINT  
FLUSH CUT

LS TN TL TN CRM BUFF TO GRY IP HD TO FRM BRITT  
VVFN TO FN XLN MTX SUCRO TXT IP DISS GRY SH IP TR  
IMBD CALC XLS IP TR IMBD FOSS IP SUB-CHLKY IP VRY  
DULL YLW FLO POOR TO TR FAIR INTER XLN POR TO T





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

LS LT TN TO TN CRM BUFF FRM TO SFT BRITT VFN TO FN TR MD XLN MTX RE-XLN MTX IMBD OOLITES AND OTHER FOSS TR SLTLY OOMOLDIC IP TR CALC XLS IMBD IN VUGS LT BRITE YLW FLO 40% TO LT YLW 30% STAIN 40% FAIR TO GOOD ODOR POOR FAIR TO GOOD INTER XLN POR GOOD VUG POR PP POR FAIR INSTANT FLUSH CUT TO SPURTY SLOW MILKY BLUE STREAM CUT LT YLW.GRN RING CUT

LS CRM BUFF TO OFF WHT HD TO FRM CRYPTO TO VVFN XLN MTX TR IMBD FOSS TR PYR NODULES TO TR LMNTD PYR IP SCATT TR LT YLW FLO NO CUT NO VIS POR NO VIS SHOW

**LANSING "Z" 3165' -1426'**

LS TN CRM BUFF HD DN TT CRYPTO TO VVFN XLN MTX TR DISS GRY TO BLK SH IP NO FLO NO VIS POR NO CUT NO VIS SHOW

SH DK GRY TO GRY SMOOTH SFT SPLNTY TO SFT SILTY

LS LT TN BUFF CRM FRM BRITT VVFN TO FN XLN TMX RE-XLN MTX OOMOLDIC THRU CHLKY THRU LT YLW FLO FAIR TINTER XLN TO OOLICASTIC POR NO STAIN NO ODOR NO CUT NO VIS SHOW

LS TN LT TN CRM BUFF HD DN BRITT CRYPTO TO VVFN XLN MTX TR IMBD FOSS IP SCATT TR LT DULL YLW FLO TO NO FLO NO VIS POR NO VIS SHOW

**STARK SH 3228' -1489'**

SH DK GRY TO GRY BRN WITH IMBD BLK SH IP SMOOTH SFT TO SILTY

LS LT GRY DK TN TO TN BUFF MOTT HD DN TT BRITT CRYPTO TO VVFN XLN MTX TR DISS GRY AND BRN SH IP NO FLO NO VIS POR NO VIS SHOW

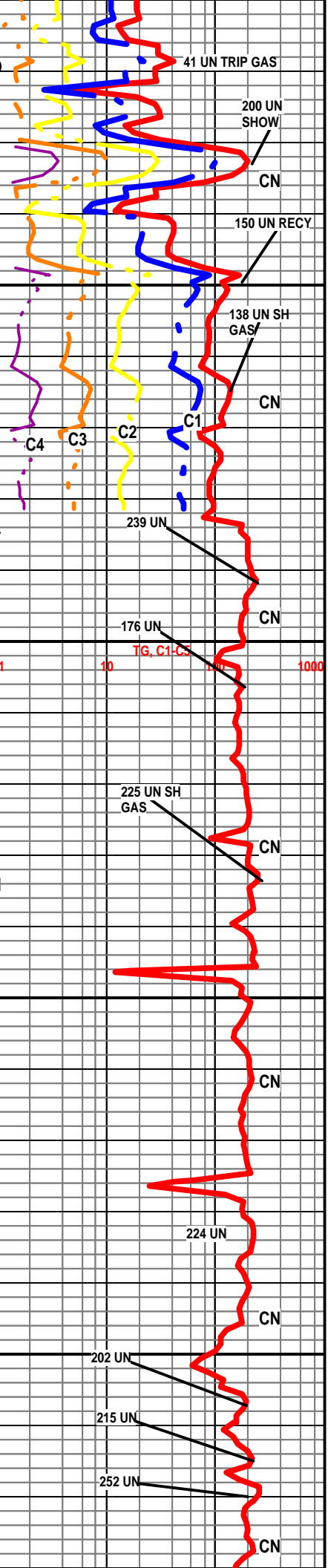
LS GRY LT GRY TN CRM OFF WHT TO WHT HD TO FRM BRITT CRYPTO TO VVFN TO FN XLN MTX SUB-CHLKY IP LT YLW FLO NO VIS POR NO VIS SHOW

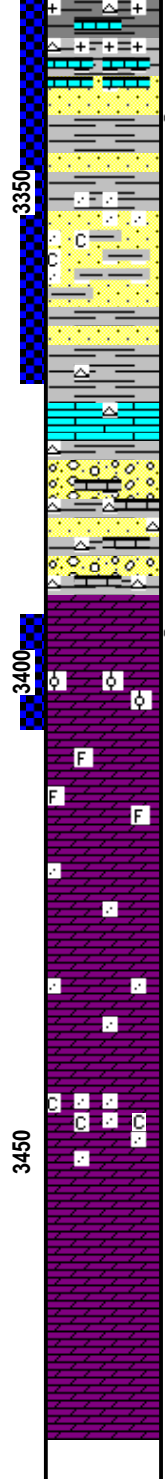
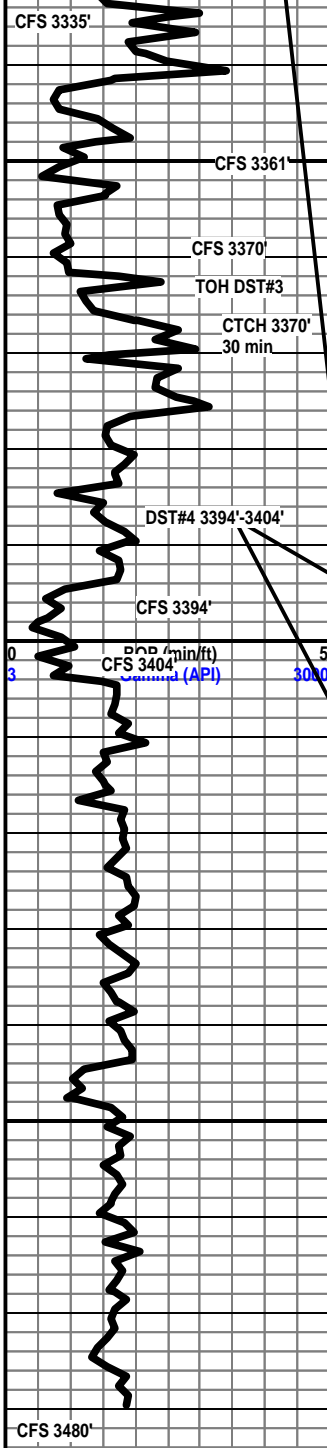
LS LT GRY OFF WHT TO WHT FRM TO SFT VVFN TO FN XLN MTX TR IMBD FOSS CHLKY TR STAIN ON TWO ROCKS DULL LT YLW FLO POOR TO POSS FAIR INTER XLN POR TO PP POR POOR TO STLY FAIR FLUSH CUT

**BKC 3307' -1568'**

LS TN BUFF OFF WHT TO WHT HD DN TT CRYPTO TO VVFN TO FN XLN MTX RE-XLN MTX TR LT TO DK CHERT TR IMBD FOSS TR IMBD TO LMNTD SH IP NO FLO NO VIS POR NO VIS SHOW

SH GRY LT GRY BRN GRN PURPLE SMOOTH SPLNTY BRITT HD CALC TO LMY WITH TR LT WHT TO OPAQUE TO ORNG CHERT





SS CLEAR FRSTY WHT LT TN TO TN LT GRY FRI POOR TO FAIR SORT SUB-RND TO RND VFRY SM TO SM SS GRNS WITH SILICIOUS CMNT TR 'MBD SH IP STAIN 40% FAIR ODOR LT BRITE TO LT YLW FLO 30% JLDN YLW FLO 20% TR POOR TO FAIR TO GOOD INTER GRAN TO PP POR FAIR INSTANT FLUSH TO SPOTTY SPURTY MILKY BLUE STREAM CUT

SS TN DUE TO STAIN LT GRY TO CLR FRI FAIR TO GOOD SORT SM TO MD SUB-ANG TO SUB-RND TO RND SS GRNS WITH CALC OR DOL CMNT FAIR TO GOOD INTER GRAN POR GLDN YLW FLO INSTANT FLUSH TO SLOW MILKY BLUE STREAM CUT

SH GRY TO GREENISH FRM HD BLKY TO LT PURPLE FRM TO SFT WITH TR SM RND SS GRNS IMBD

CONG SH PINK PURPLE LT GRY WITH SS VVFN CLR TO FSTY WHT SS GRNS GOOD SORT IMBD CHLK NO FLO TR LT WHT TO TN AND ORNG CHERT ORNG FELDSPAR TR LS DK TN TO TN BUFF HD DN TT CRYPTO XLN MTX TR BLK GOOY OIL STAIN ON CHERT AND LS TR DUL YLW FLO IP INSTANT FLUSH CUT TO LT YLW RING CUT

**ARBUCKLE 3394' -1655'**

3494'-3404' DOL LT BRN TN LT TN DUE TO STAIN BUFF SLTLY FRM TO SFT VVFN TO FN XLN MTX SUCRO TXT THRU TR IMBD OOLITES IP VRY SM DOL GRNS THRU TR CALC XLS IMBD IN VUGS VRY BRIT YLW FLO GLDN FLO THRU STAIN 80% FAIR TO GOOD ODOR GOOD TO EXCEL ODOR IN 60 SAMPLE FAIR GOOD TO TR EXCELLENT POR PP TO MICRO PP POR TO FAIR VUG POR INSTANT FLUSH CUT TO SLOW MILKY BLUE STREAM CUT LT GLDN YLW RING CUT

3404'-3418' DOL LT TN CRM BUFF TO OFF WHT HD TO FRM BRITT VVFN TO FN TR MD XLN MTX RE-XLN MTX IMBD FOSS IP SUCRO TX IMBD SAUB-ANG DOL XLS TR IMBD QRTZ AND CALC XLS IP STAIN 35% LT BRITE YLW FLO THRU POOR TO FAIR TO TR GODD INTER XLN POR TO VUGGY POR POOR TO FAIR INSTANT FLUSH CUT TO VLT YWL RING CUT

3418'-3443' DOL CRM BUFF TO OFF WHT HD CRYPTO TO VVFN TO FN XLN MTX RE-XLN MTX IP IMBD DOL GRNS VRY SUCRO TO SUCRO TXT THRU SUB-CHLKY IP DULL LT YLW FLO IP NO STAIN NO ODOR POOR TO POSS FAIR INTER XLN POR TR VUGS IP TR PP AND MICRO PP POR IP NO CUT NO VIS SHOW

3443'-3451' DOL CRM OFF WHT TO WHT HD TO FRM VFN TO FN TR MD XLN MTX IMBD SUB-ANG DOL XLS TO SUB-RND TO RND SS/DOL GRNS TR IMBD CHLK TR LMNTD PYR SCATT TR DULL TO LT YLW FLO TR FAIR INTER XLN TO POOR INTER GRAN NO STAIN NO ODOR NO CUT NO VIS SHOW

3449'-3480' DOL CRM OFF WHT TO WHT HD TO FRM VVF TO FN XLN MTX SUCRO TXT THRU VVFN DOL XLS SCATT LT YLW FLO TO NO FLO POSS TT INTER XLN POR NO ODOR NO STAIN NO CUT NO VIS SHOW

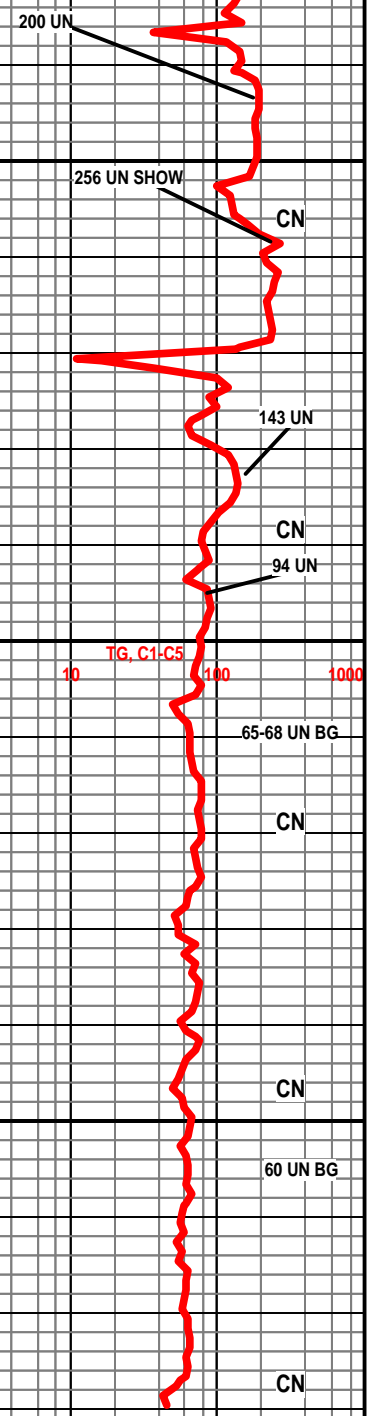
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**CTCH 1 HR**

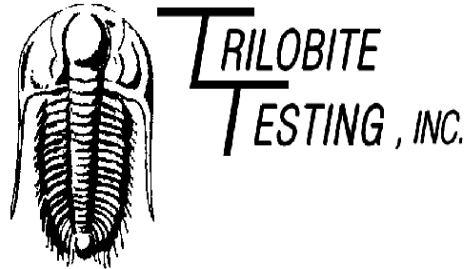
**TOH FOR LOGS**

**LOGS BY WEATHERFORD LIBERAL**

**THANK YOU FOR CHOOSING EARTHTECH**



SAMPLES SECURED BY RODNEY NAPIER AND WILL BE DELIVERED TO K.G.S.



## DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr.and assoc. Inc.**

1515 Wynkoop St.  
Suite 700  
Denver Co.80202

ATTN: Neil Sharp

**6-21s-10w Rice**

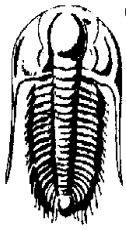
**Wells Trust 1-16**

Start Date: 2010.09.04 @ 06:50:05

End Date: 2010.09.04 @ 15:00:50

Job Ticket #: 040381      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

Sam Gary Jr. and assoc. Inc.

**Wells Trust 1-16**

1515 Wynkoop St.  
Suite 700  
Denver Co. 80202  
ATTN: Neil Sharp

**6-21s-10w Rice**

Job Ticket: 040381

**DST#: 2**

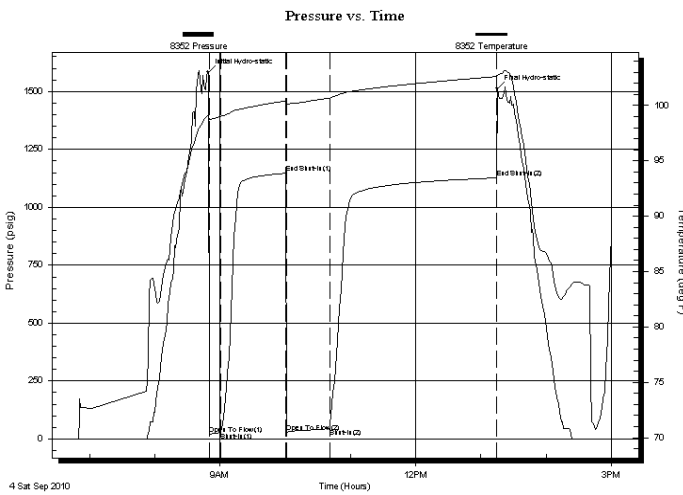
Test Start: 2010.09.04 @ 06:50:05

## GENERAL INFORMATION:

Formation: **LKC-"G"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:50:30  
 Time Test Ended: 15:00:50  
 Interval: **3128.00 ft (KB) To 3183.00 ft (KB) (TVD)**  
 Total Depth: 3183.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Andy Carreira  
 Unit No: 31  
 Reference Elevations: 1739.00 ft (KB)  
 1729.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8352 Outside**  
 Press@RunDepth: 44.74 psig @ 3129.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2010.09.04 End Date: 2010.09.04 Last Calib.: 2010.09.04  
 Start Time: 06:50:05 End Time: 15:00:50 Time On Btm: 2010.09.04 @ 08:49:20  
 Time Off Btm: 2010.09.04 @ 13:15:09

TEST COMMENT: IF: BOB, 1 min.  
 IS: No return  
 FF: BOB, Immediately  
 FS: No return



## PRESSURE SUMMARY

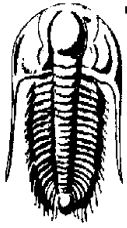
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1583.00	99.07	Initial Hydro-static
2	20.63	98.74	Open To Flow (1)
12	27.28	99.01	Shut-In(1)
71	1146.78	100.42	End Shut-In(1)
72	28.94	100.13	Open To Flow (2)
112	44.74	100.68	Shut-In(2)
265	1126.70	102.62	End Shut-In(2)
266	1513.24	102.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
92.00	GOCWM g=30%o=25%w =15%m=30%	1.29
0.00	1952=GIP	0.00

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Sam Gary Jr. and assoc. Inc.  
 1515 Wynkoop St.  
 Suite 700  
 Denver Co. 80202  
 ATTN: Neil Sharp

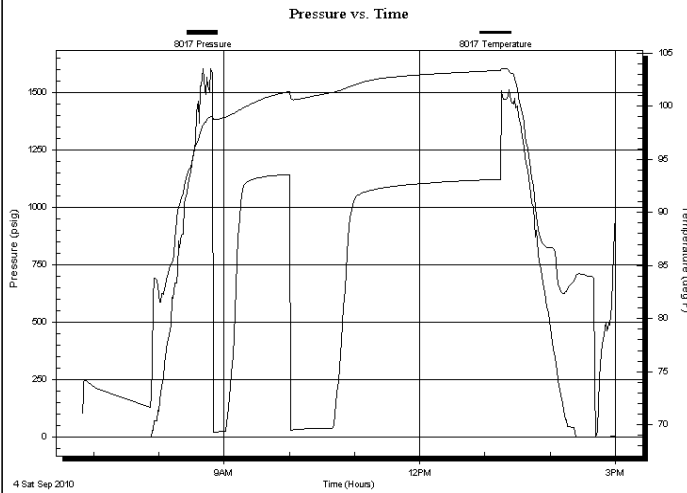
**Wells Trust 1-16**  
**6-21s-10w Rice**  
 Job Ticket: 040381 **DST#: 2**  
 Test Start: 2010.09.04 @ 06:50:05

**GENERAL INFORMATION:**

Formation: **LKC-"G"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:50:30  
 Time Test Ended: 15:00:50  
 Interval: **3128.00 ft (KB) To 3183.00 ft (KB) (TVD)**  
 Total Depth: 3183.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Andy Carreira  
 Unit No: 31  
 Reference Elevations: 1739.00 ft (KB)  
 1729.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8017** **Inside**  
 Press@RunDepth: psig @ 3129.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2010.09.04 End Date: 2010.09.04 Last Calib.: 2010.09.04  
 Start Time: 06:50:05 End Time: 15:00:20 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF: BOB, 1 min.  
 IS: No return  
 FF: BOB, Immediately  
 FS: No return

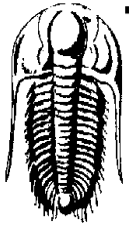


PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
92.00	GOCWM g=30%o=25%w =15%m=30%	1.29
0.00	1952=GIP	0.00

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Sam Gary Jr. and assoc. Inc.

1515 Wynkoop St.  
Suite 700  
Denver Co. 80202  
ATTN: Neil Sharp

**Wells Trust 1-16**

**6-21s-10w Rice**

Job Ticket: 040381

**DST#: 2**

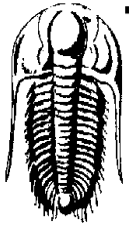
Test Start: 2010.09.04 @ 06:50:05

### Tool Information

Drill Pipe:	Length: 3127.00 ft	Diameter: 3.80 inches	Volume: 43.86 bbl	Tool Weight: 3000.00 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: 55000.00 lb
			<u>Total Volume: 43.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3128.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	83.00 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			3101.00	
Shut In Tool	5.00			3106.00	
Hydraulic tool	5.00			3111.00	
Jars	5.00			3116.00	
Safety Joint	3.00			3119.00	
Packer	5.00			3124.00	28.00 Bottom Of Top Packer
Packer	4.00			3128.00	
Stubb	1.00			3129.00	
Recorder	0.00	8017	Inside	3129.00	
Recorder	0.00	8352	Outside	3129.00	
Perforations	3.00			3132.00	
Change Over Sub	1.00			3133.00	
Drill Pipe	31.00			3164.00	
Change Over Sub	1.00			3165.00	
Perforations	15.00			3180.00	
Bullnose	3.00			3183.00	55.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>83.00</b>				



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr. and assoc. Inc.

**Wells Trust 1-16**

1515 Wynkoop St.  
Suite 700  
Denver Co. 80202  
ATTN: Neil Sharp

**6-21s-10w Rice**

Job Ticket: 040381

**DST#: 2**

Test Start: 2010.09.04 @ 06:50:05

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6300.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
92.00	GOCWM g=30%o=25%w =15%m=30%	1.291
0.00	1952=GIP	0.000

Total Length: 92.00 ft      Total Volume: 1.291 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

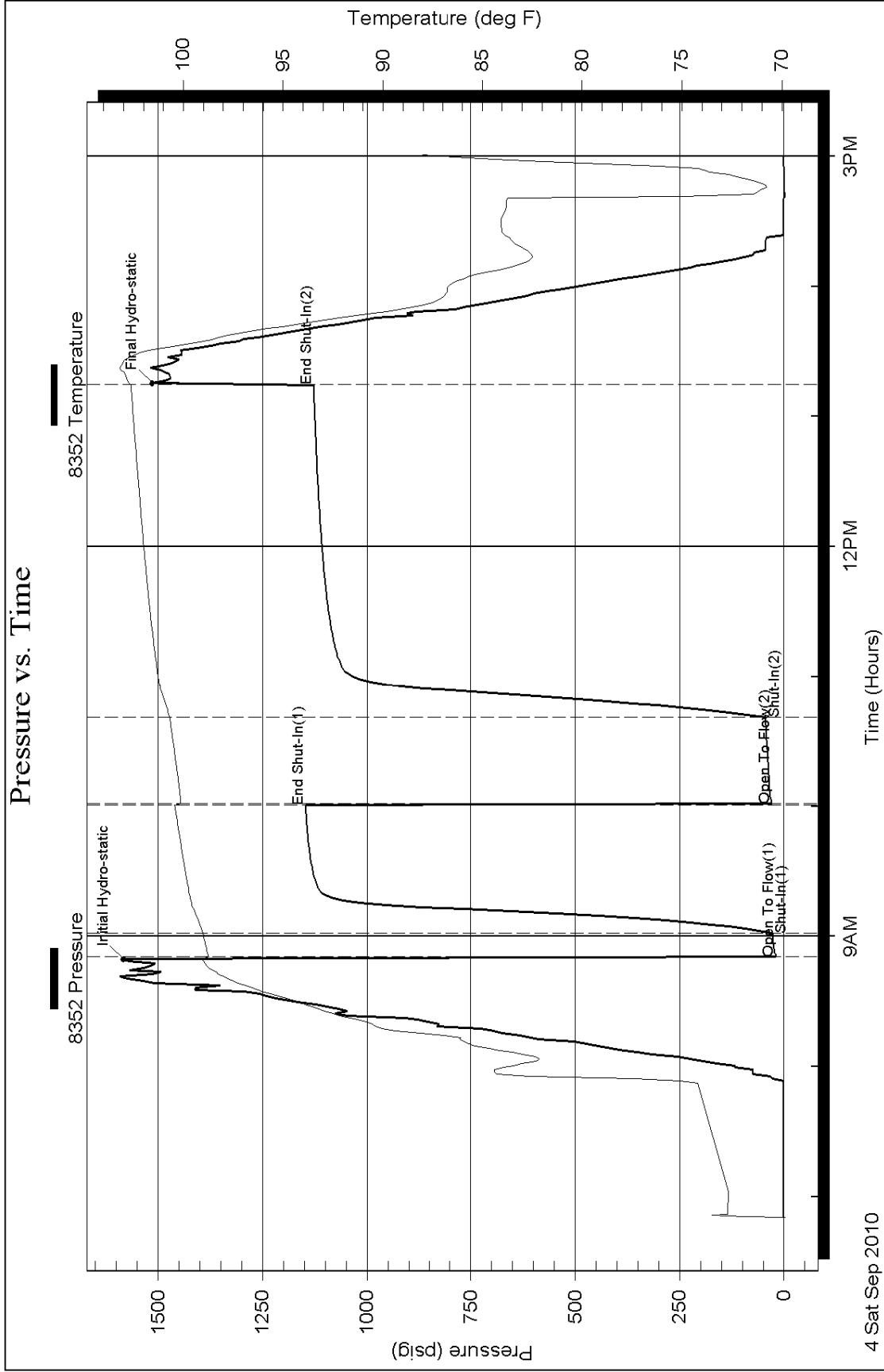
Recovery Comments:

Serial #: 8352

Outside Sam Gary Jr. and assoc. Inc.

6-21s-10w Rice

DST Test Number: 2



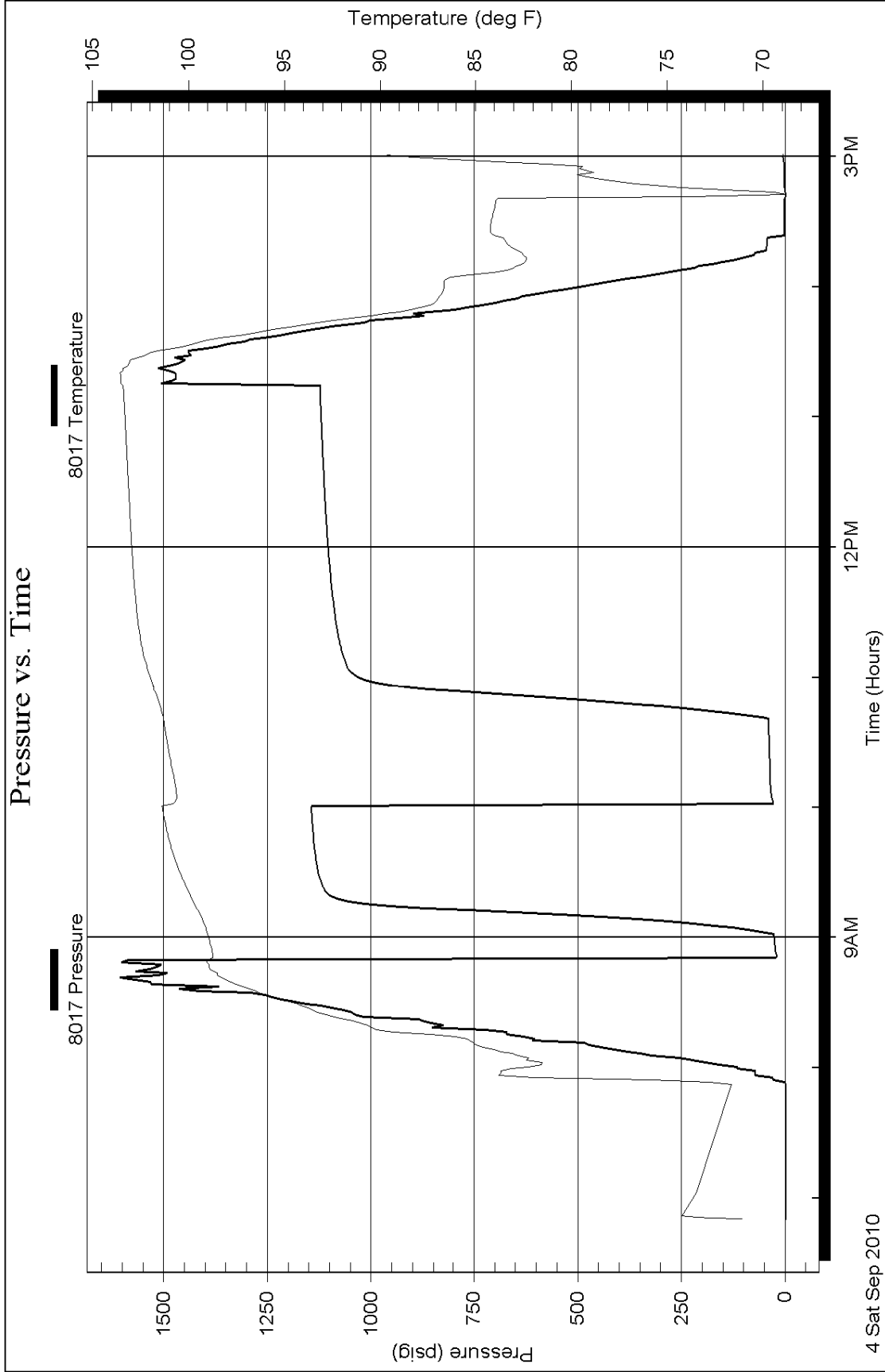
Serial #: 8017

Inside

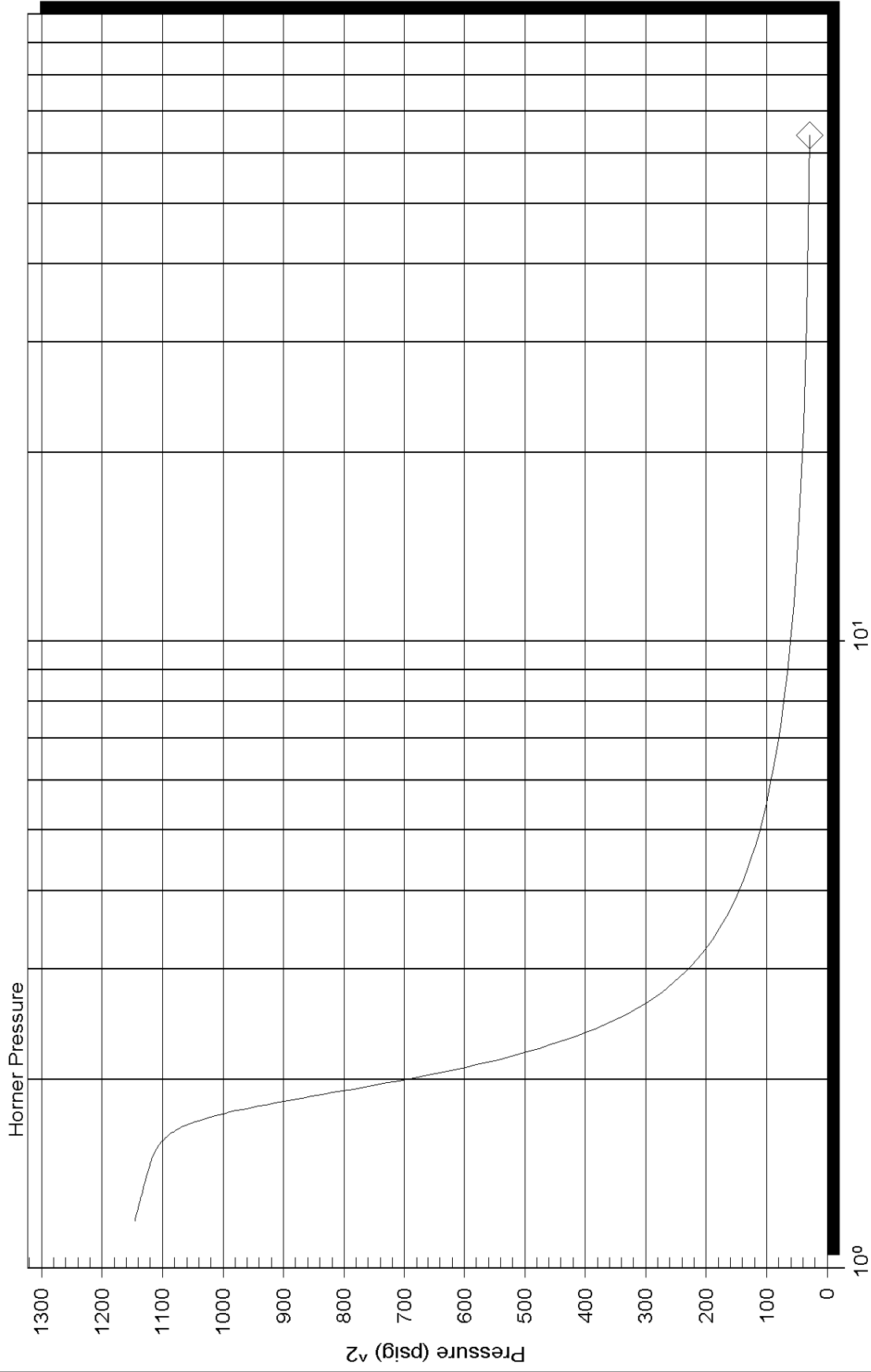
Sam Gary Jr. and assoc. Inc.

6-21s-10w Rice

DST Test Number: 2



# Horner Plot



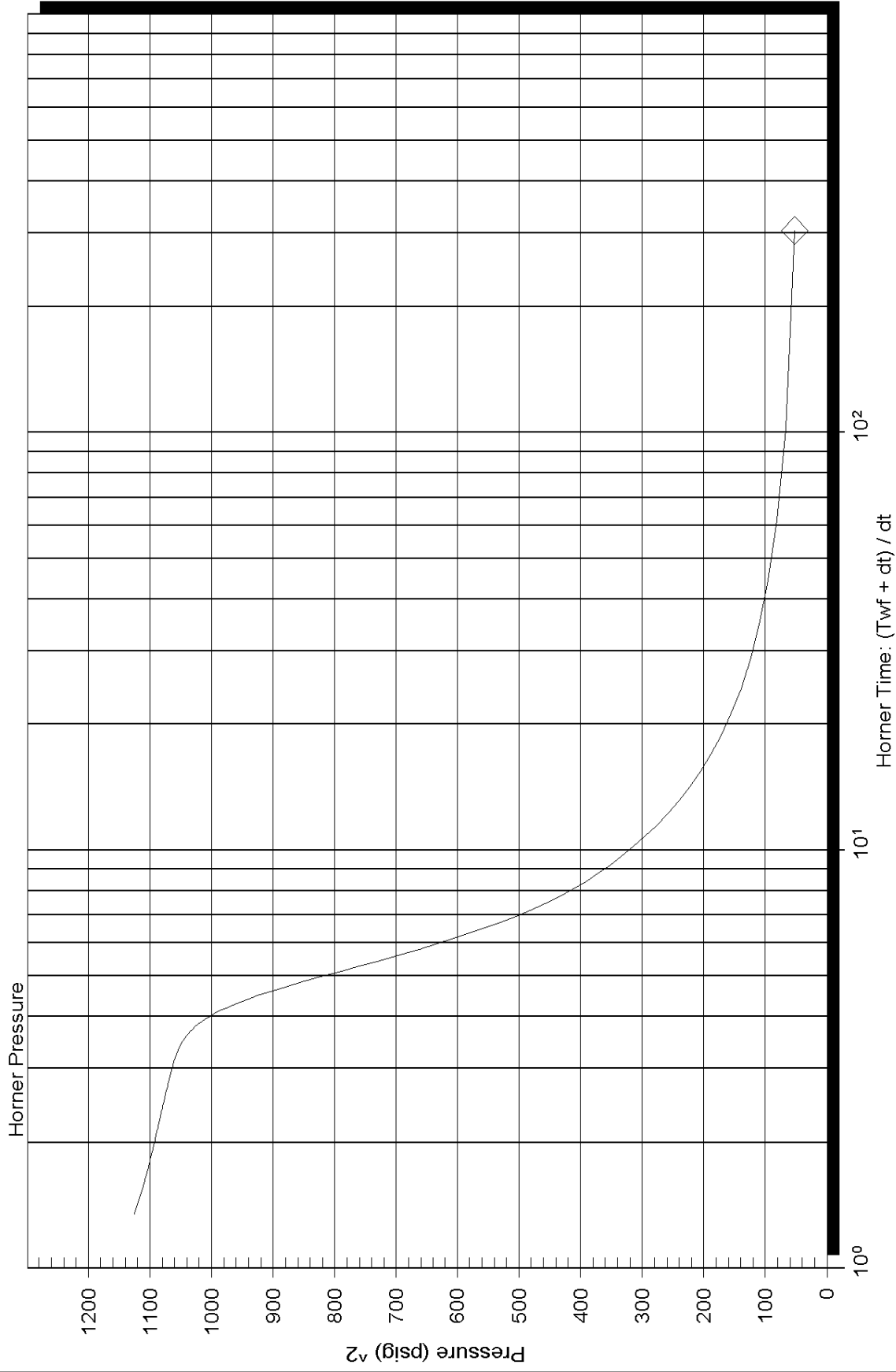
Serial Number: 8352 (Outside)

P\* :

Slope (m) : kpa/log cycle

Flow Cycle: 1

### Horner Plot



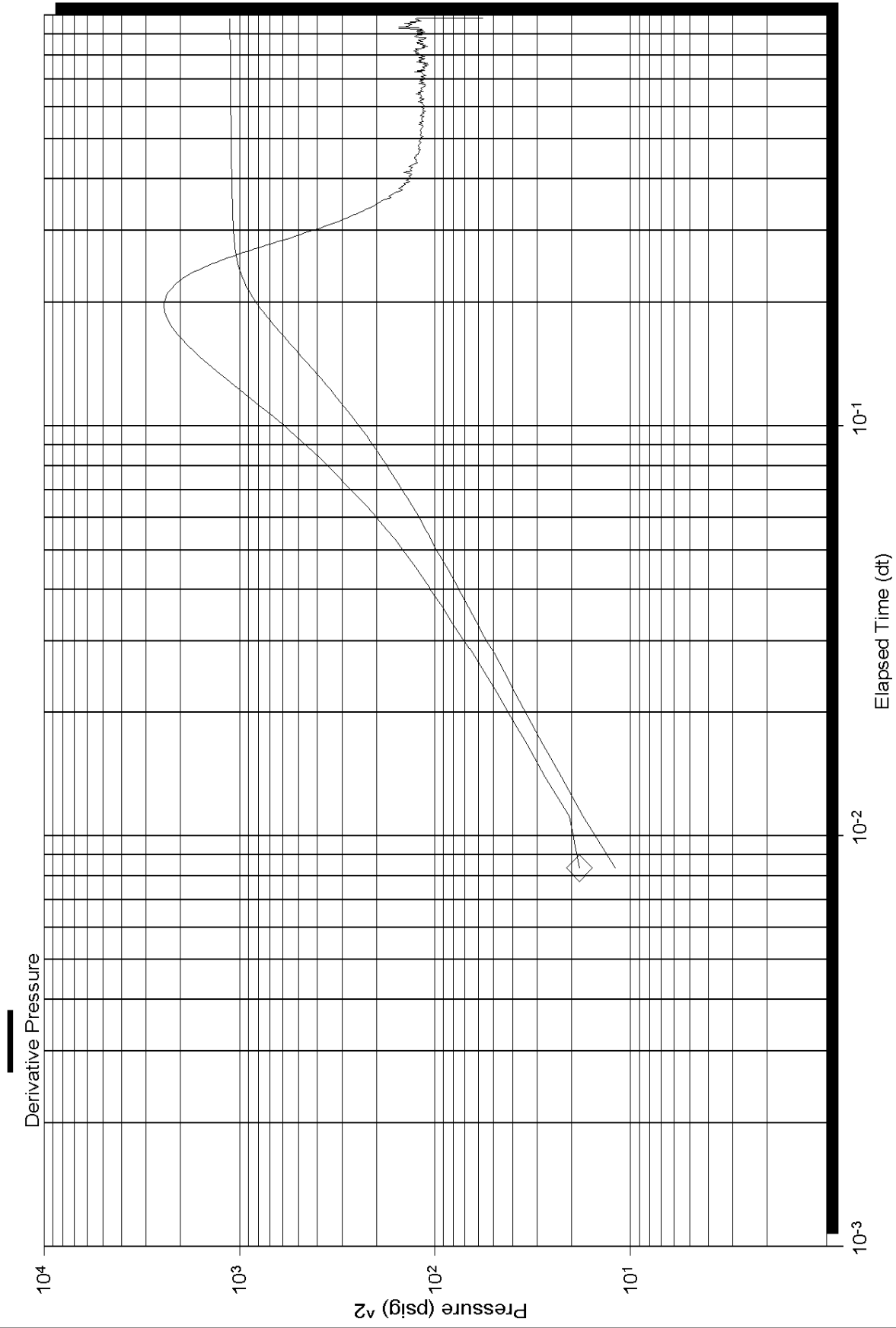
Serial Number: 8352 (Outside)

P\* :

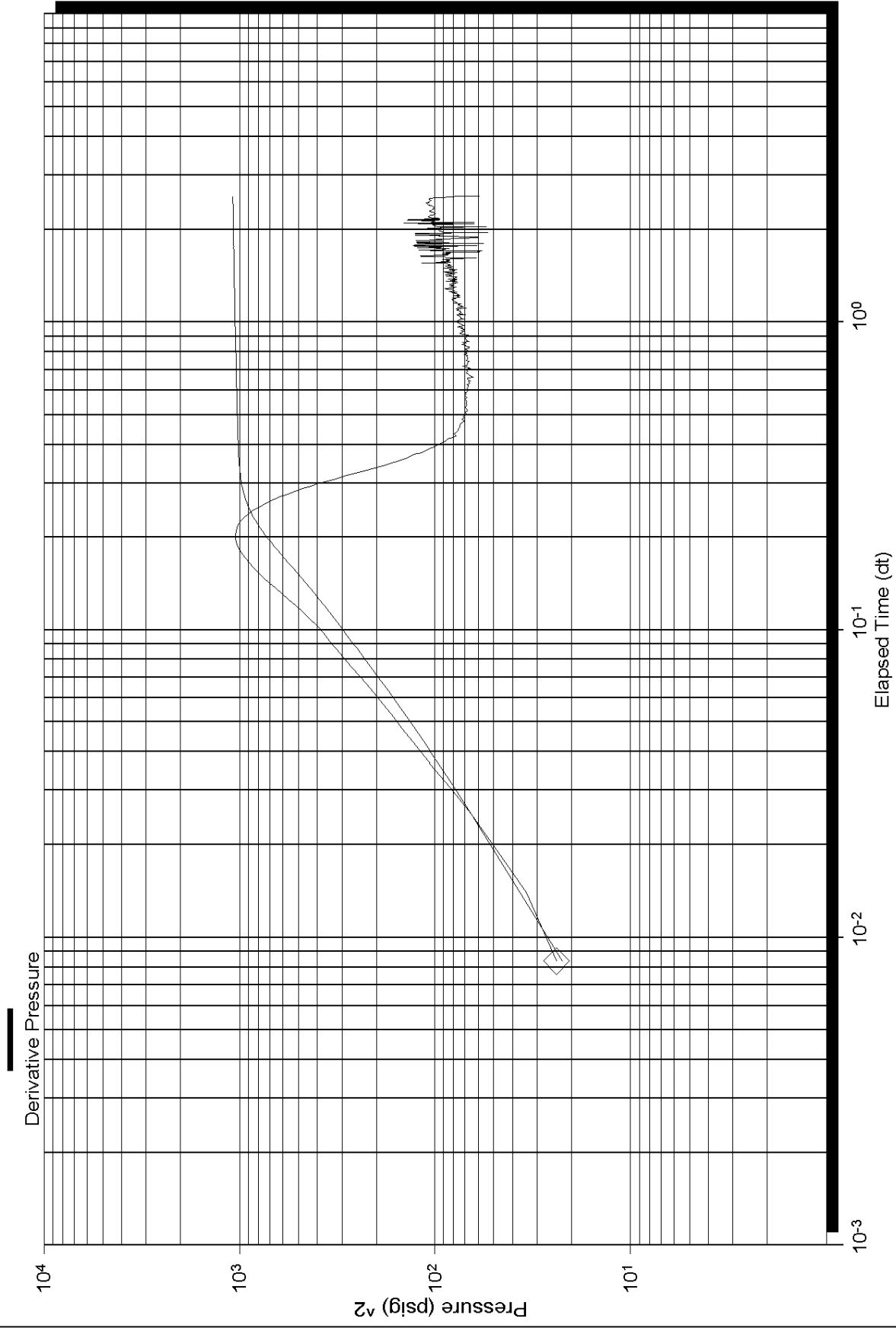
Slope (m) : kpa/log cycle

Flow Cycle: 2

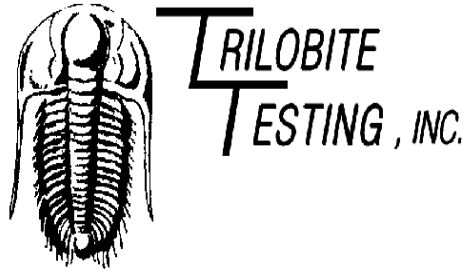
# Log-Log and Pseudo-Derivative



# Log-Log and Pseudo-Derivative







## DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr.and assoc. Inc.**

1515 Wynkoop St.  
Suite 700  
Denver Co.80202

ATTN: Neil Sharp

**6-21s-10w Rice**

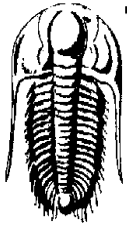
**Wells Trust 1-16**

Start Date: 2010.09.05 @ 20:20:05

End Date: 2010.09.06 @ 05:47:10

Job Ticket #: 040383      DST #: 4

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Sam Gary Jr. and assoc. Inc.  
 1515 Wynkoop St.  
 Suite 700  
 Denver Co. 80202  
 ATTN: Neil Sharp

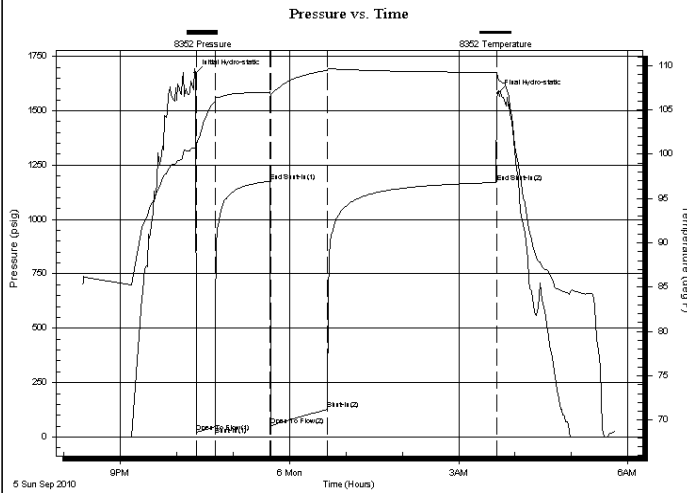
**Wells Trust 1-16**  
**6-21s-10w Rice**  
 Job Ticket: 040383 **DST#: 4**  
 Test Start: 2010.09.05 @ 20:20:05

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:20:40  
 Time Test Ended: 05:47:10  
 Test Type: Conventional Bottom Hole  
 Tester: Andy Carreira  
 Unit No: 31  
 Interval: **3394.00 ft (KB) To 3404.00 ft (KB) (TVD)**  
 Total Depth: 3404.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Reference Elevations: 1739.00 ft (KB)  
 1729.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8352** **Outside**  
 Press@RunDepth: 128.06 psig @ 3395.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2010.09.05 End Date: 2010.09.06 Last Calib.: 2010.09.06  
 Start Time: 20:20:05 End Time: 05:47:09 Time On Btm: 2010.09.05 @ 22:20:00  
 Time Off Btm: 2010.09.06 @ 03:41:39

TEST COMMENT: IF: Fair, 4 inches  
 IS: No Return  
 FF: BOB, 50 min.  
 FS: No Return



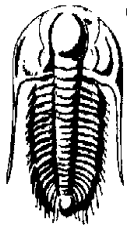
PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.94	100.84	Initial Hydro-static
1	22.38	100.33	Open To Flow (1)
21	47.96	106.01	Shut-In(1)
80	1175.80	107.01	End Shut-In(1)
80	51.49	106.57	Open To Flow (2)
141	128.06	109.45	Shut-In(2)
321	1170.06	109.24	End Shut-In(2)
322	1579.38	108.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
250.00	SW sw =100%	3.51

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Sam Gary Jr. and assoc. Inc.  
 1515 Wynkoop St.  
 Suite 700  
 Denver Co. 80202  
 ATTN: Neil Sharp

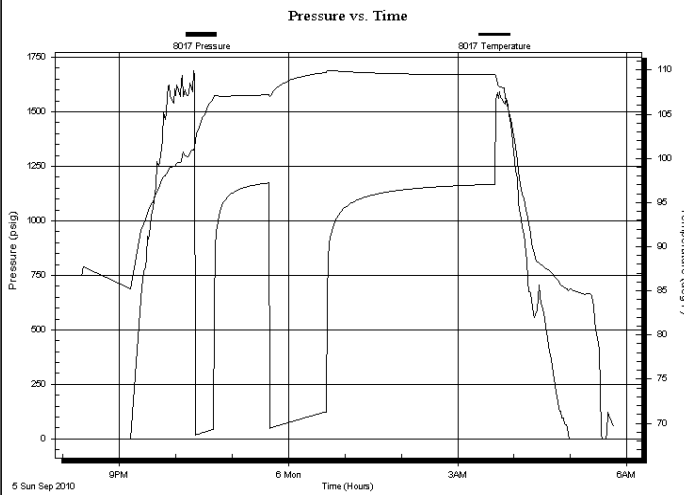
**Wells Trust 1-16**  
**6-21s-10w Rice**  
 Job Ticket: 040383      **DST#: 4**  
 Test Start: 2010.09.05 @ 20:20:05

**GENERAL INFORMATION:**

Formation:      **Arbuckle**  
 Deviated:      No      Whipstock:                      ft (KB)  
 Time Tool Opened: 22:20:40  
 Time Test Ended: 05:47:10  
 Interval:      **3394.00 ft (KB) To 3404.00 ft (KB) (TVD)**  
 Total Depth:      3404.00 ft (KB) (TVD)  
 Hole Diameter:      7.88 inches      Hole Condition: Fair  
 Test Type:      Conventional Bottom Hole  
 Tester:      Andy Carreira  
 Unit No:      31  
 Reference Elevations:      1739.00 ft (KB)  
    1729.00 ft (CF)  
 KB to GR/CF:      10.00 ft

**Serial #: 8017      Inside**  
 Press @ RunDepth:      psig @      3395.00 ft (KB)      Capacity:      8000.00 psig  
 Start Date:      2010.09.05      End Date:      2010.09.06      Last Calib.:      2010.09.06  
 Start Time:      20:20:05      End Time:      05:47:09      Time On Btm:  
    Time Off Btm:

TEST COMMENT: IF: Fair, 4 inches  
 IS: No Return  
 FF: BOB, 50 min.  
 FS: No Return



**PRESSURE SUMMARY**

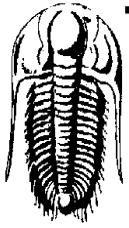
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
250.00	SW sw =100%	3.51

**Gas Rates**

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Sam Gary Jr. and assoc. Inc.

1515 Wynkoop St.  
Suite 700  
Denver Co. 80202  
ATTN: Neil Sharp

**Wells Trust 1-16**

**6-21s-10w Rice**

Job Ticket: 040383

**DST#: 4**

Test Start: 2010.09.05 @ 20:20:05

### Tool Information

Drill Pipe:	Length: 3378.00 ft	Diameter: 3.80 inches	Volume: 47.38 bbl	Tool Weight: 3000.00 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: 50000.00 lb
			<u>Total Volume: 47.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3394.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 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			3367.00	
Shut In Tool	5.00			3372.00	
Hydraulic tool	5.00			3377.00	
Jars	5.00			3382.00	
Safety Joint	3.00			3385.00	
Packer	5.00			3390.00	28.00 Bottom Of Top Packer
Packer	4.00			3394.00	
Stubb	1.00			3395.00	
Recorder	0.00	8017	Inside	3395.00	
Recorder	0.00	8352	Outside	3395.00	
Perforations	6.00			3401.00	
Bullnose	3.00			3404.00	10.00 Bottom Packers & Anchor

**Total Tool Length: 38.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr. and assoc. Inc.

**Wells Trust 1-16**

1515 Wynkoop St.  
Suite 700  
Denver Co. 80202  
ATTN: Neil Sharp

**6-21s-10w Rice**

Job Ticket: 040383

**DST#: 4**

Test Start: 2010.09.05 @ 20:20:05

## 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:	20000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7400.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	SW sw =100%	3.507

Total Length: 250.00 ft      Total Volume: 3.507 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

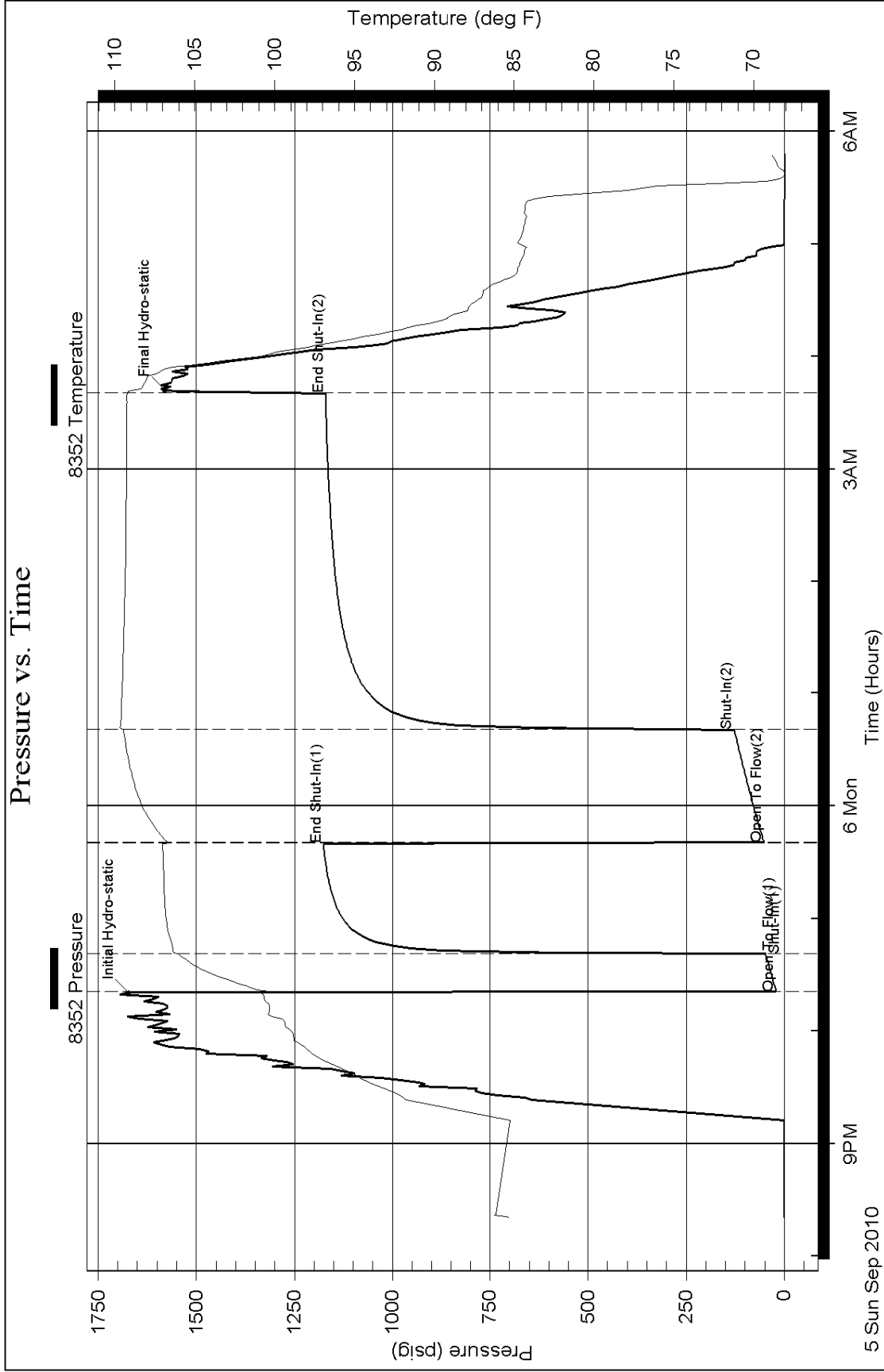
Recovery Comments:

Serial #: 8352

Outside Sam Gary Jr. and assoc. Inc.

6-21s-10w Rice

DST Test Number: 4



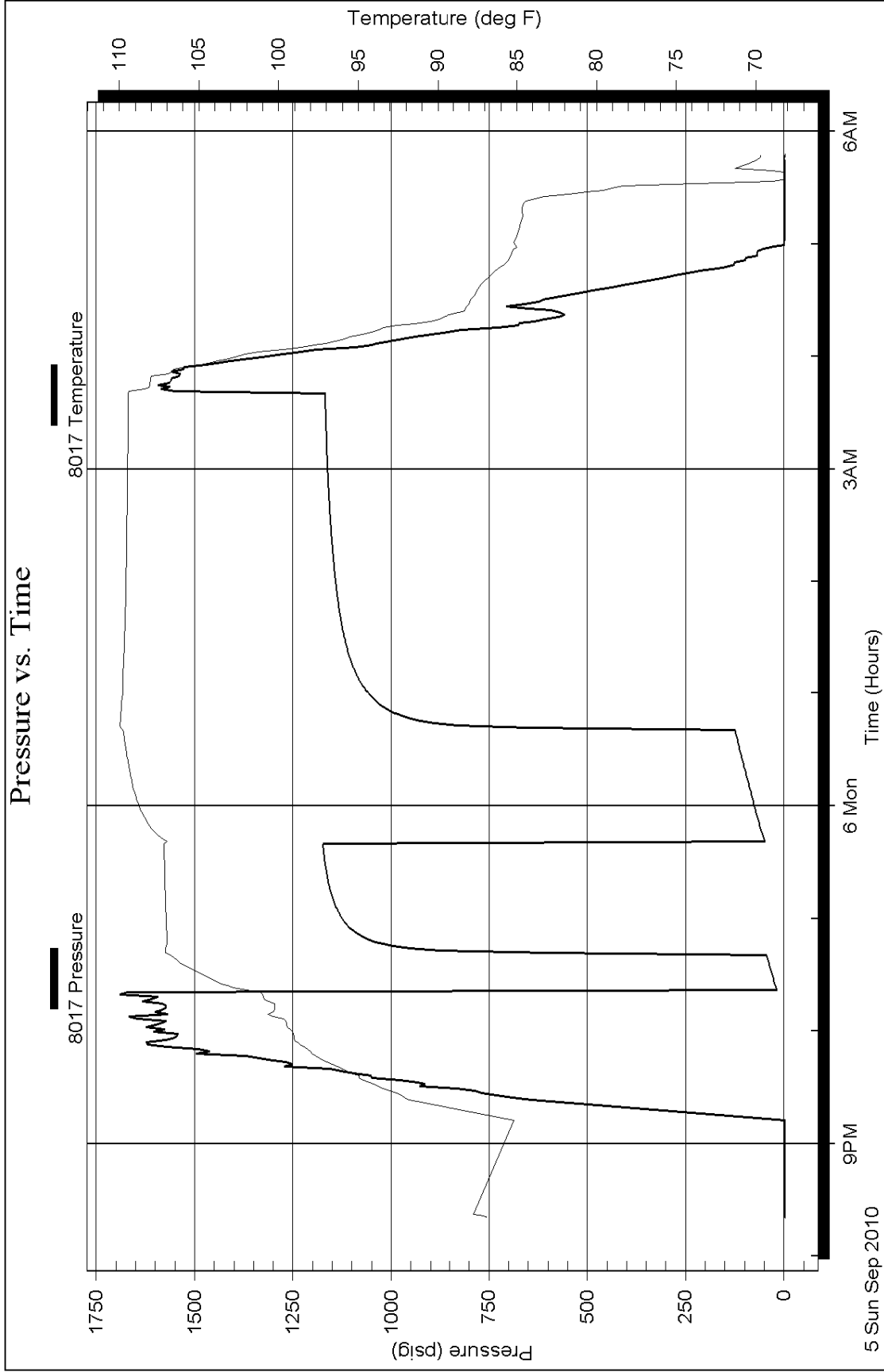
Serial #: 8017

Inside

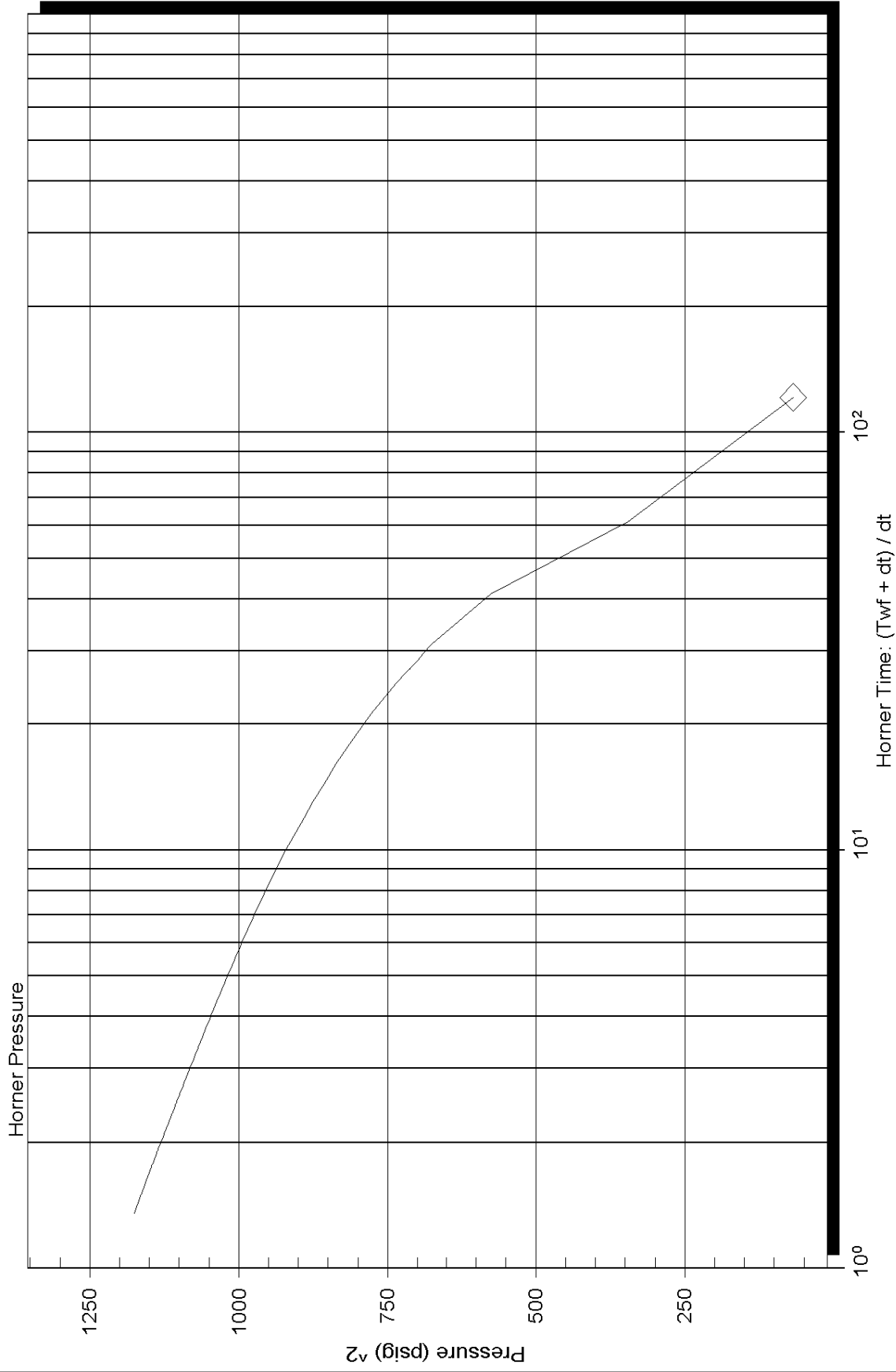
Sam Gary Jr. and assoc. Inc.

6-21s-10w Rice

DST Test Number: 4

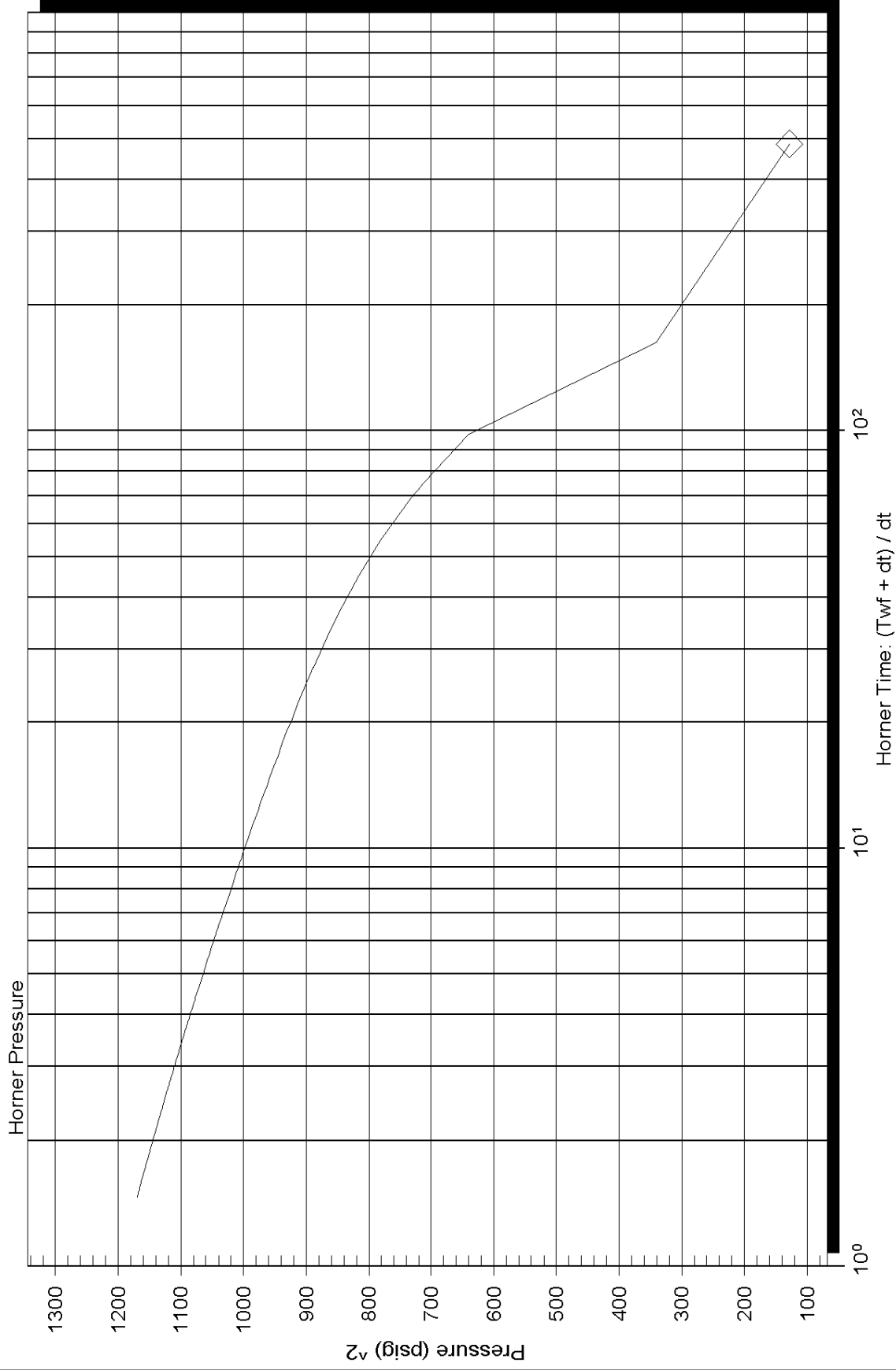


# Horner Plot

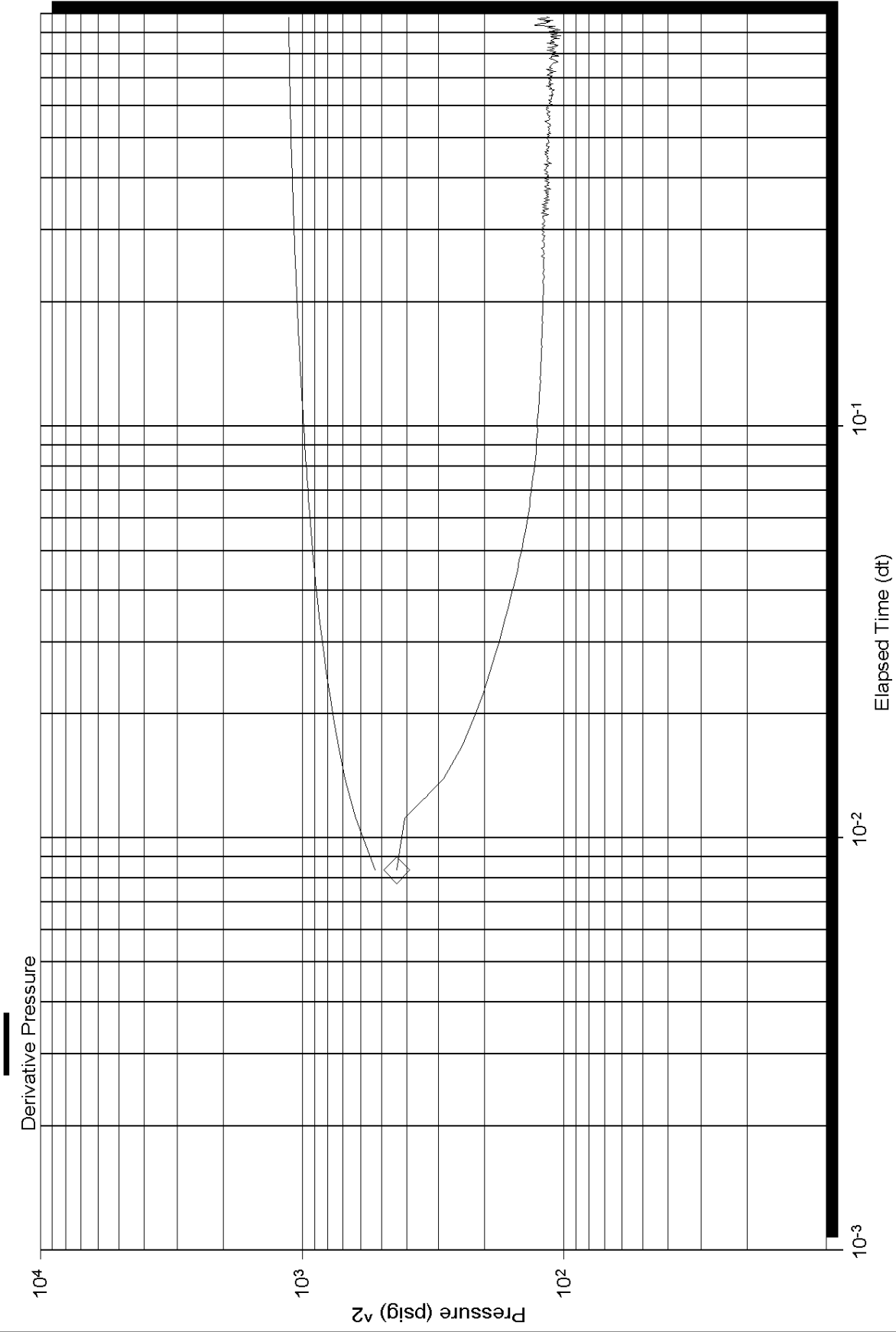




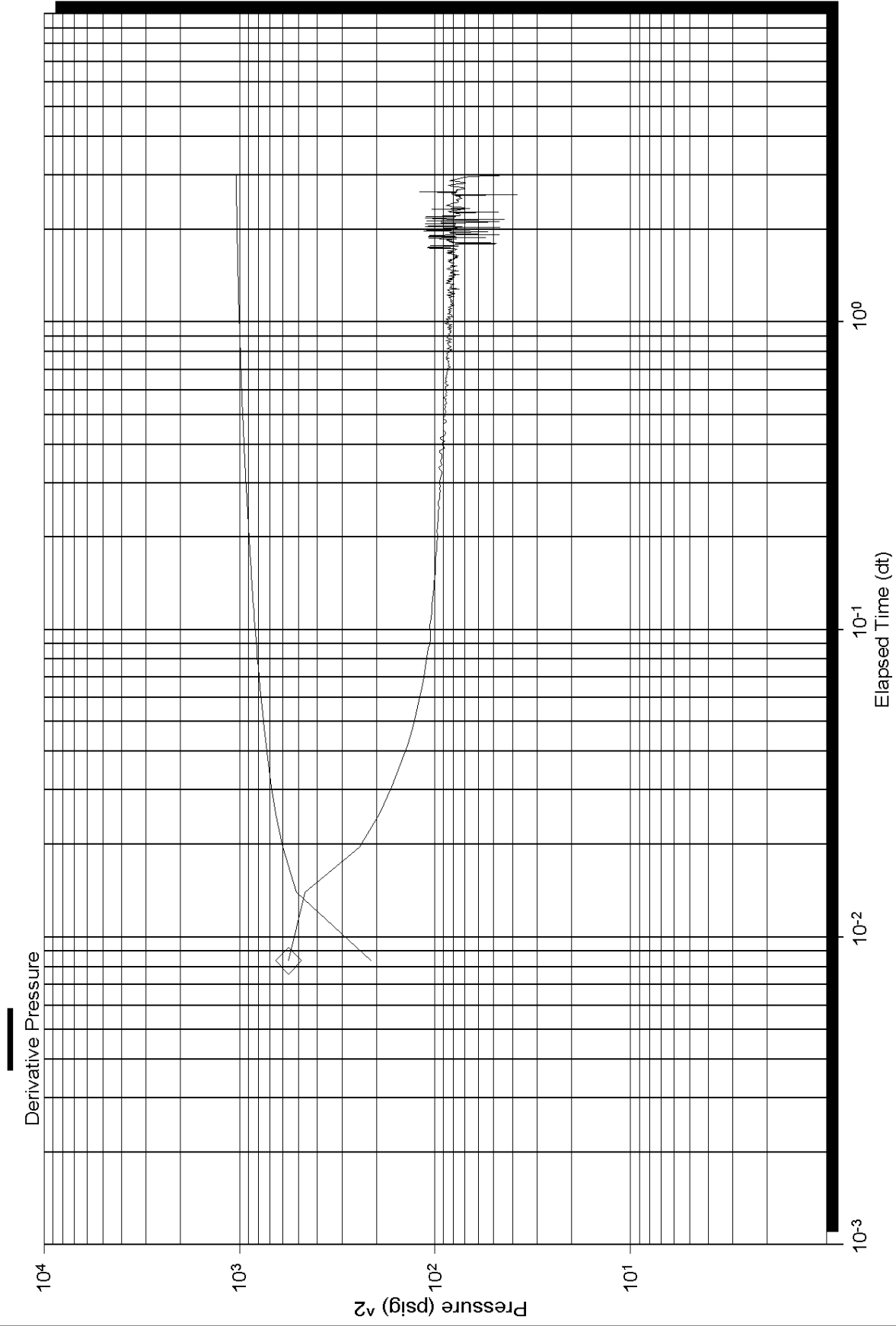
### Horner Plot



# Log-Log and Pseudo-Log-Derivative



# Log-Log and Pseudo-Log-Derivative





# Weatherford® Completion Systems

## DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr.and assoc. Inc.**

1515 Wynkoop St.  
Suite 700  
Denver Co.80202

ATTN: Neil Sharp

**6-21s-10w Rice**

**Wells Trust 1-16**

Start Date: 2010.09.05 @ 20:20:05

End Date: 2010.09.06 @ 05:47:10

Job Ticket #: 040383          DST #: 4

ALPINE OIL SERVICES CORPORATION  
2460, 240 - 4 Avenue S.W. Calgary, AB. T2P 4H4  
ph: 263-7800 fax: 264-7260

Sam Gary Jr.and assoc. Inc.

Wells Trust 1-16

6-21s-10w Rice

DST # 4

Arbuckle

2010.09.05



# Weatherford<sup>®</sup> Completion Systems

## DRILL STEM TEST REPORT

Sam Gary Jr. and assoc. Inc.

1515 Wynkoop St.  
Suite 700  
Denver Co. 80202  
ATTN: Neil Sharp

Wells Trust 1-16

6-21s-10w Rice

Job Ticket: 040383

DST#: 4

Test Start: 2010.09.05 @ 20:20:05

### GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 22:20:40  
Time Test Ended: 05:47:10

Test Type: **Conventional Bottom Hole**  
Tester: **Andy Carreira**  
Unit No: **31**

Interval: **3394.00 ft (KB) To 3404.00 ft (KB) (TVD)**  
Total Depth: **3404.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1739.00 ft (KB)**  
**1729.00 ft (CF)**  
KB to GR/CF: **10.00 ft**

### Serial #: 8352

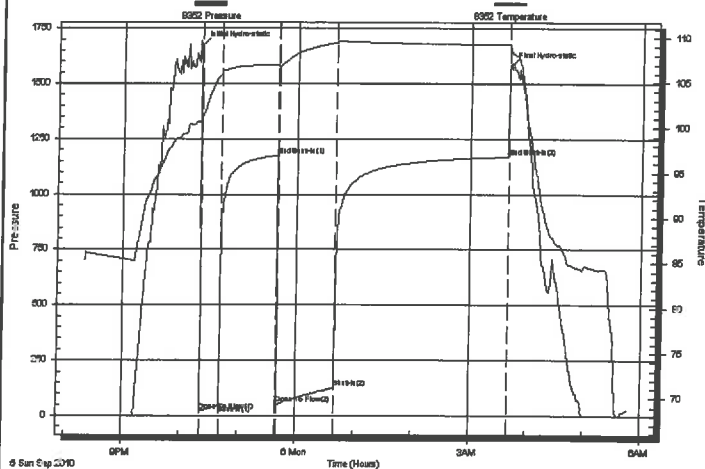
Outside

Press@RunDepth: **128.06 psig @ 3395.00 ft (KB)**  
Start Date: **2010.09.05** End Date: **2010.09.06**  
Start Time: **20:20:05** End Time: **05:47:09**

Capacity: **8000.00 psig**  
Last Calib.: **2010.09.06**  
Time On Btm: **2010.09.05 @ 22:20:00**  
Time Off Btm: **2010.09.06 @ 03:41:39**

TEST COMMENT: IF: Fair, 4 inches  
IS: No Return  
FF: BOB, 50 min.  
FS: No Return

Pressure vs. Time



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.94	100.84	Initial Hydro-static
1	22.38	100.33	Open To Flow (1)
21	47.96	106.01	Shut-In (1)
80	1175.80	107.01	End Shut-In (1)
80	51.49	106.57	Open To Flow (2)
141	128.06	109.45	Shut-In (2)
321	1170.06	109.24	End Shut-In (2)
322	1579.38	108.68	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
250.00	SW sw =100%	3.51

### Gas Rates

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



# Weatherford<sup>®</sup>

## Completion Systems

### DRILL STEM TEST REPORT

Sam Gary Jr. and assoc. Inc.

Wells Trust 1-16

1515 Wynkoop St.  
Suite 700  
Denver Co. 80202  
ATTN: Neil Sharp

6-21s-10w Rice  
Job Ticket: 040383      DST#: 4  
Test Start: 2010.09.05 @ 20:20:05

#### GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock:                      ft (KB)  
 Time Tool Opened: 22:20:40  
 Time Test Ended: 05:47:10  
 Interval: **3394.00 ft (KB) To 3404.00 ft (KB) (TVD)**  
 Total Depth: 3404.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair

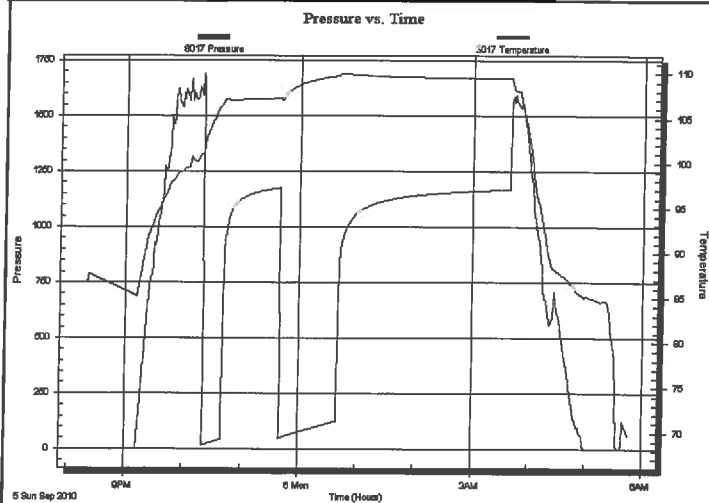
Test Type: Conventional Bottom Hole  
 Tester: Andy Carreira  
 Unit No: 31  
 Reference Elevations: 1739.00 ft (KB)  
 1729.00 ft (CF)  
 KB to GR/CF: 10.00 ft

#### Serial #: 8017

Inside

Press@RunDepth:                      psig @ 3395.00 ft (KB)  
 Start Date: 2010.09.05      End Date: 2010.09.06      Capacity: 8000.00 psig  
 Start Time: 20:20:05      End Time: 05:47:09      Last Callb.: 2010.09.06  
 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF: Fair, 4 inches  
 IS: No Return  
 FF: BOB, 50 min.  
 FS: No Return



#### PRESSURE SUMMARY

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

#### Recovery

Length (ft)	Description	Volume (bbl)
250.00	SW sw =100%	3.51

#### Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (MMcfd)



**Weatherford®**  
**Completion Systems**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Sam Gary Jr. and assoc. Inc.

**Wells Trust 1-16**

1515 Wynkoop St.  
 Suite 700  
 Denver Co. 80202  
 ATTN: Neil Sharp

**6-21s-10w Rice**  
 Job Ticket: 040383      **DST#: 4**  
 Test Start: 2010.09.05 @ 20:20:05

**Tool Information**

Drill Pipe:	Length: 3378.00 ft	Diameter: 3.80 inches	Volume: 47.38 bbl	Tool Weight: 3000.00 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: 50000.00 lb
			<u>Total Volume: 47.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3394.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 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			3367.00	
Shut In Tool	5.00			3372.00	
Hydraulic tool	5.00			3377.00	
Jars	5.00			3382.00	
Safety Joint	3.00			3385.00	
Packer	5.00			3390.00	28.00      Bottom Of Top Packer
Packer	4.00			3394.00	
Stubb	1.00			3395.00	
Recorder	0.00	8017	Inside	3395.00	
Recorder	0.00	8352	Outside	3395.00	
Perforations	6.00			3401.00	
Bullnose	3.00			3404.00	10.00      Bottom Packers & Anchor

**Total Tool Length: 38.00**



**Weatherford®**  
**Completion Systems**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Sam Gary Jr. and assoc. Inc.

**Wells Trust 1-16**

1515 Wynkoop St.  
 Suite 700  
 Denver Co. 80202  
 ATTN: Neil Sharp

**6-21s-10w Rice**  
 Job Ticket: 040383      **DST#: 4**  
 Test Start: 2010.09.05 @ 20:20:05

**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:	20000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7400.00 ppm			
Filter Cake: Inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
250.00	SW sw =100%	3.507

Total Length: 250.00 ft      Total Volume: 3.507 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

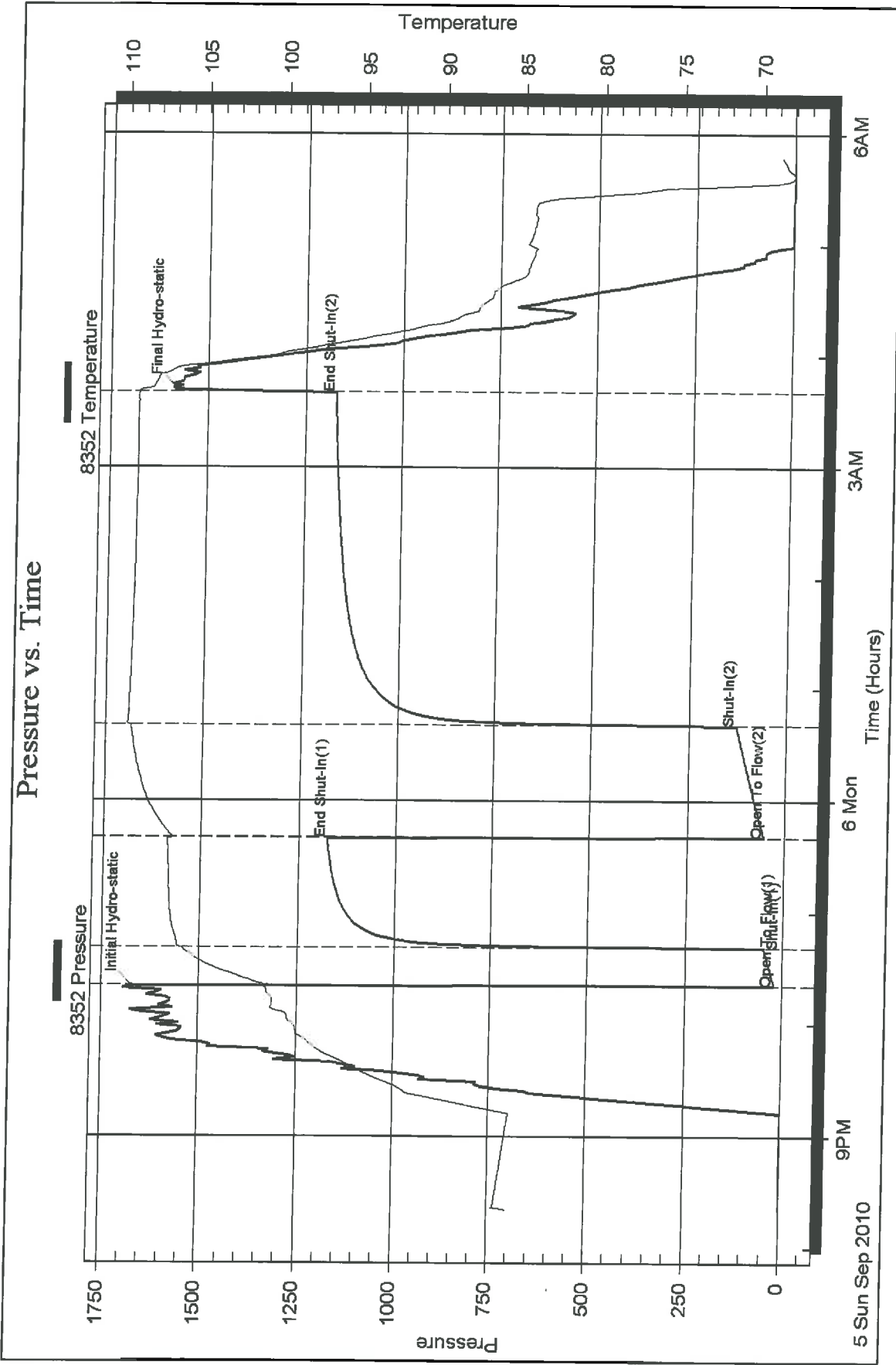


Serial #: 8352

Outside Sam Gary Jr. and assoc. Inc.

6-21s-10w Rice

DST Test Number: 4



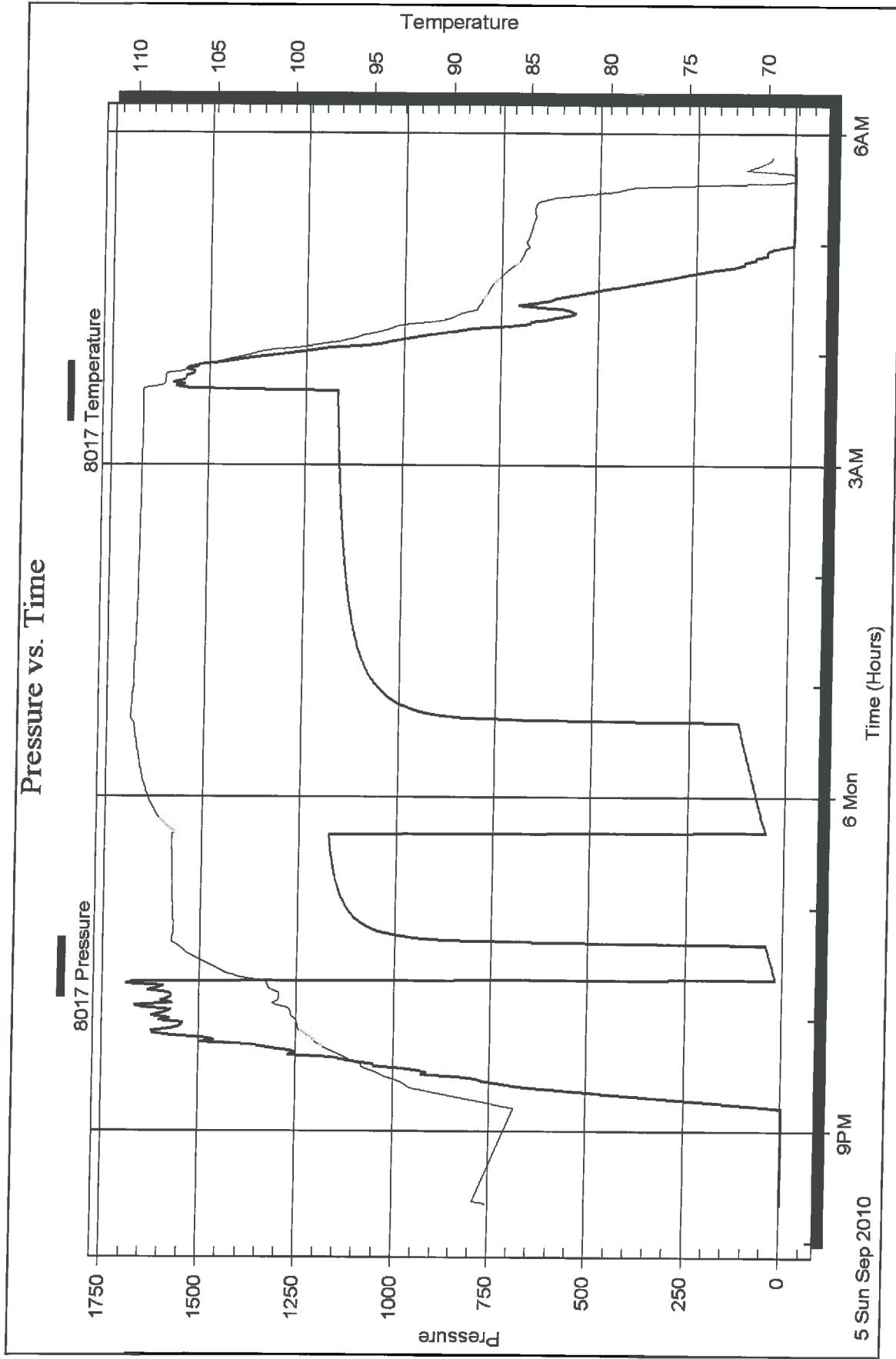
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Inside

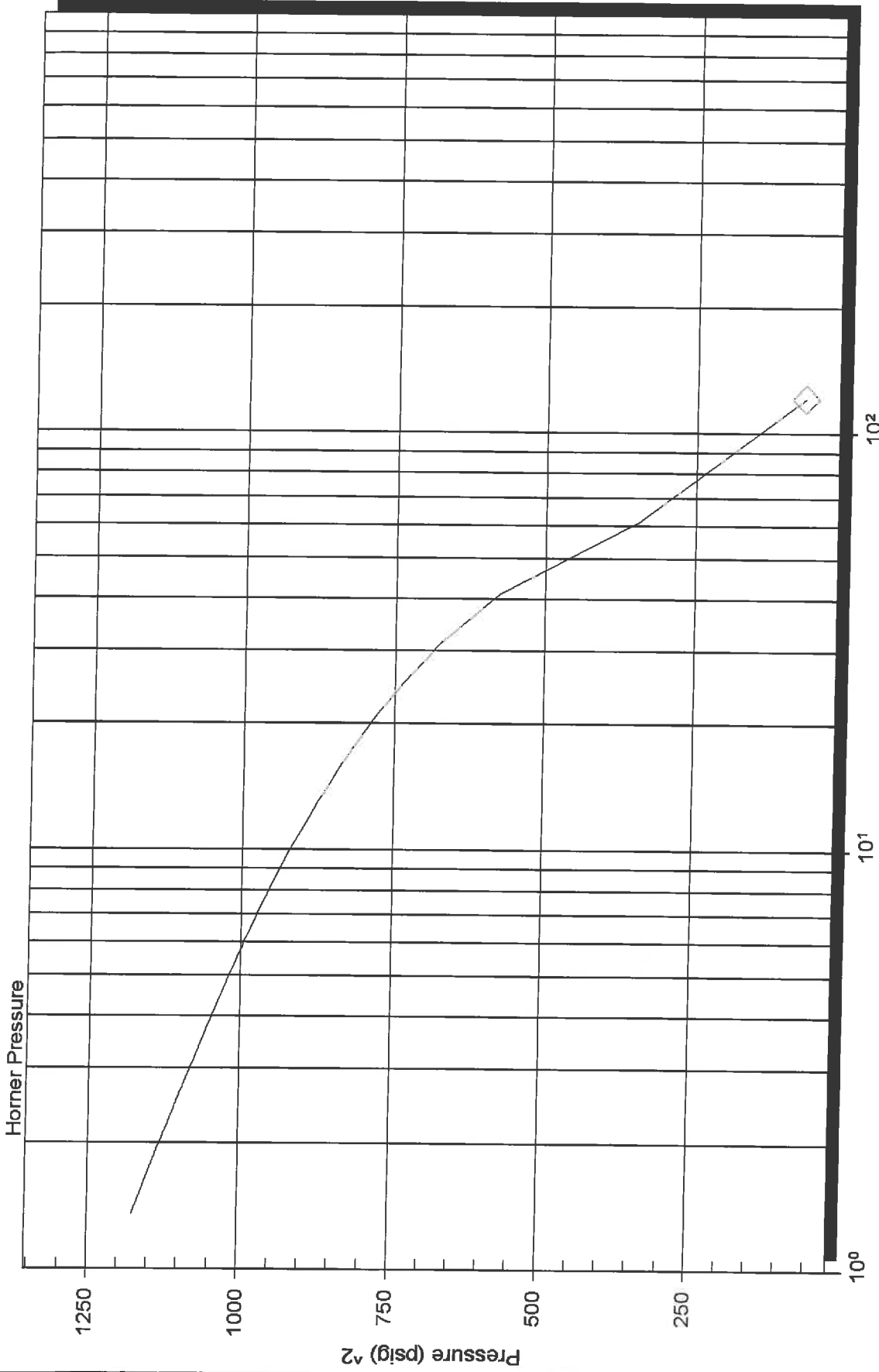
Sam Gary Jr. and assoc. Inc.

6-21s-10w Rice

DST Test Number: 4



### Horner Plot

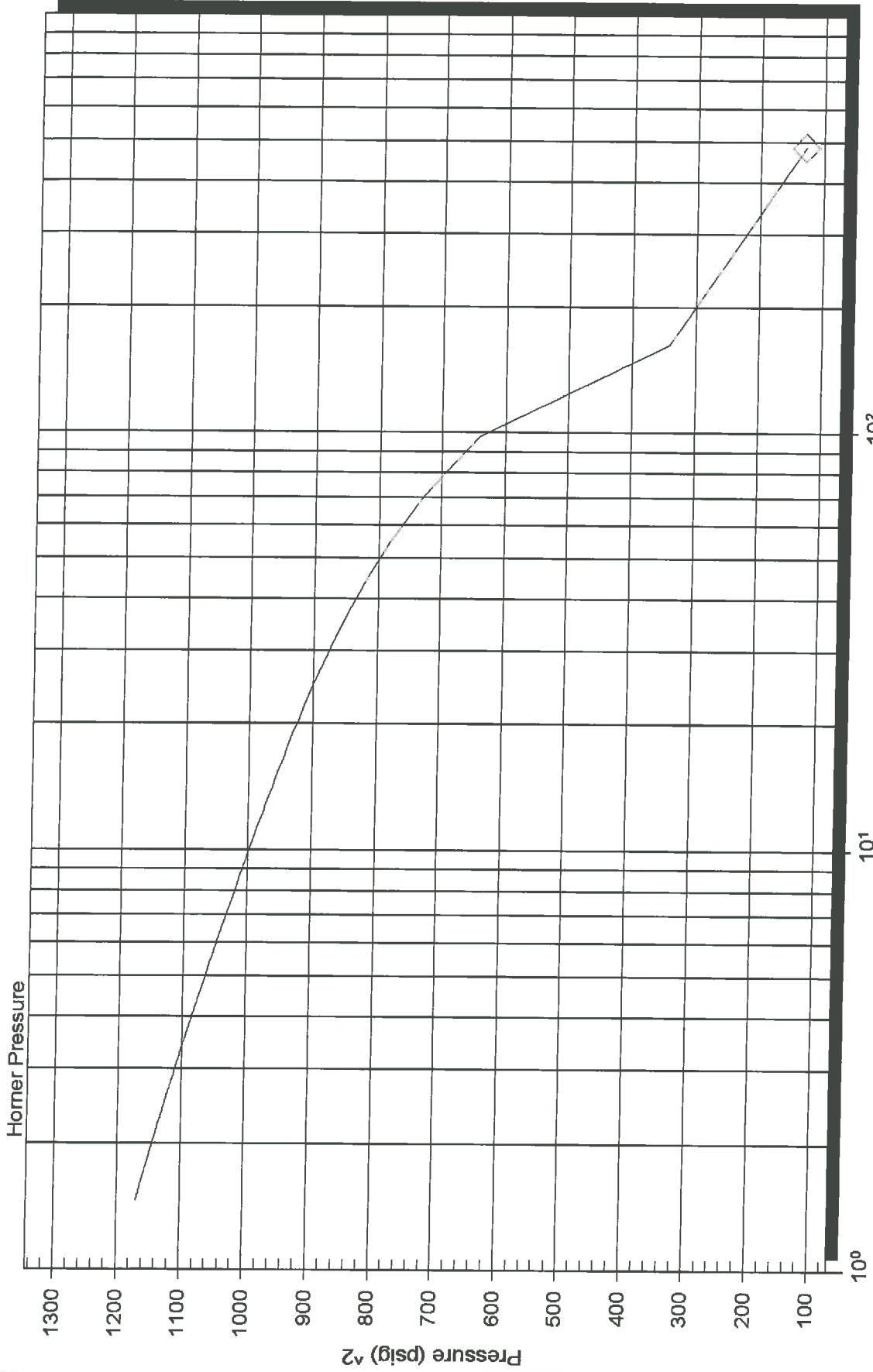


Serial Number: 8352 (Outside)

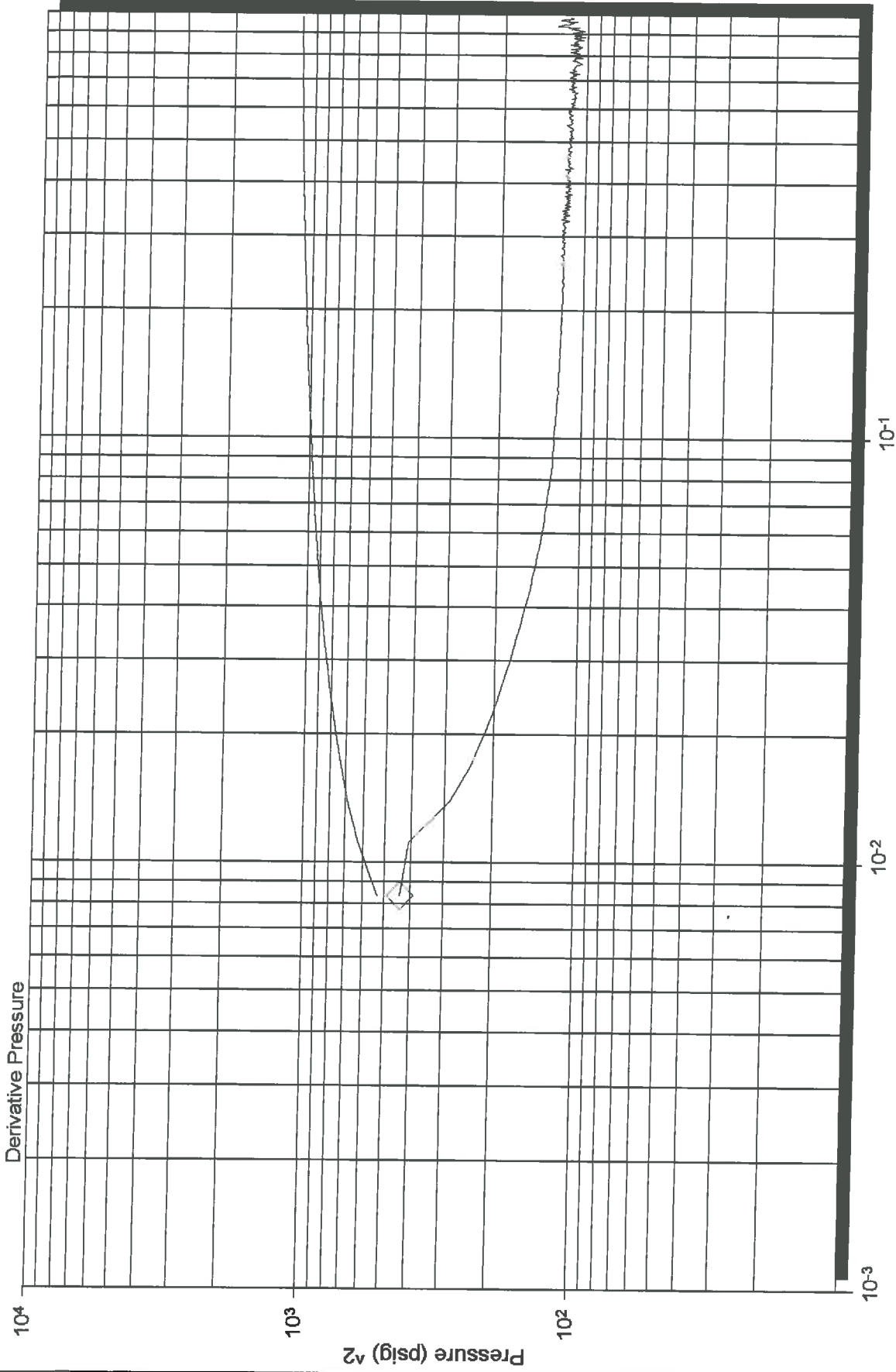
P\* : Slope (m) : kpa/log cycle

Flow Cycle: 1

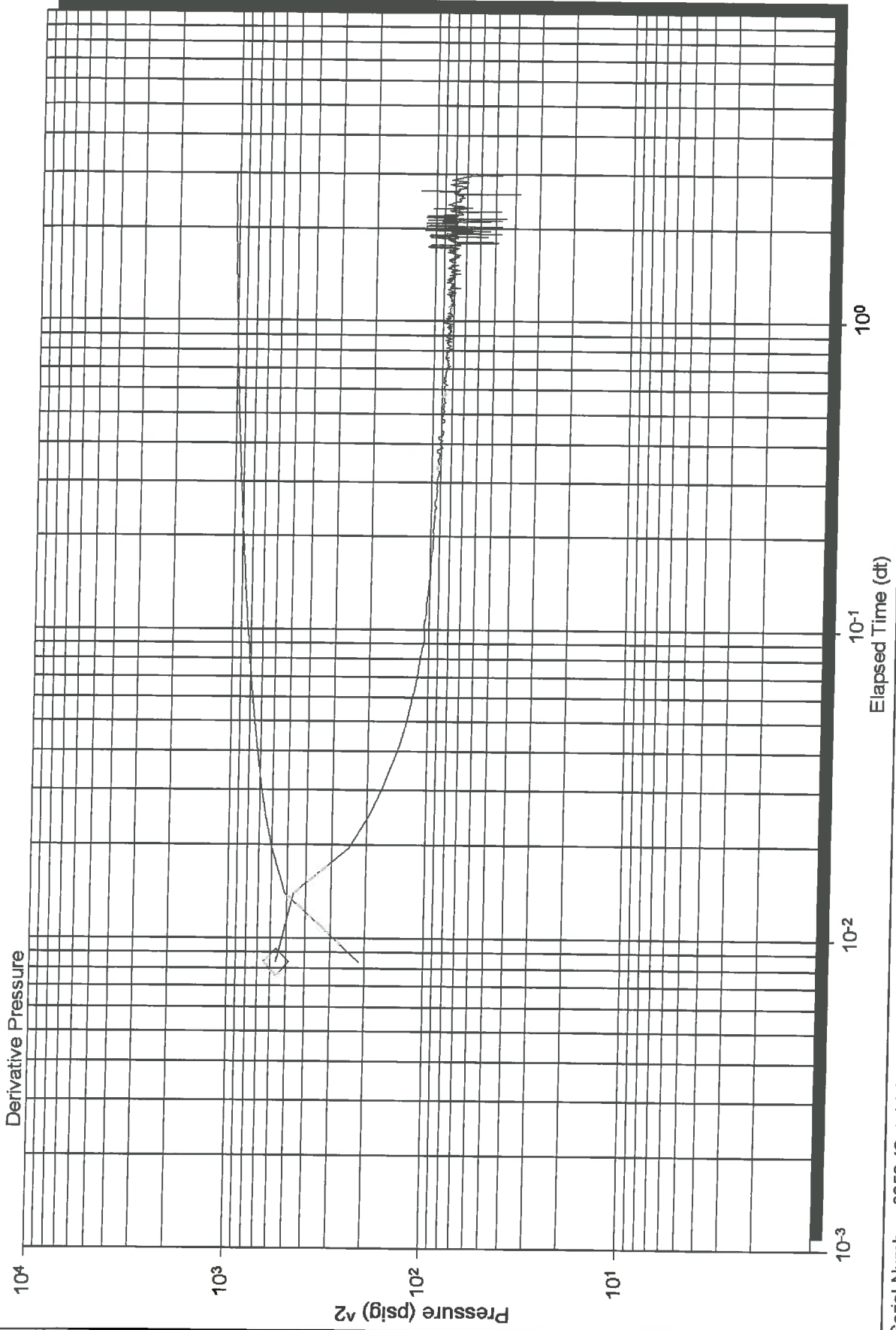
### Horner Plot

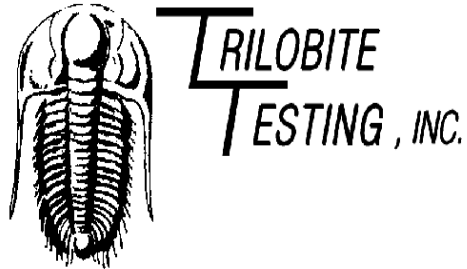


# Log-Log and Pseudo-Derivative



# Log-Log and Pseudo-Derivative





## DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr.and assoc. Inc.**

1515 Wynkoop St.  
Suite 700  
Denver Co.80202

ATTN: Neil Sharp

**6-21s-10w Rice**

**Wells Trust 1-16**

Start Date: 2010.09.06 @ 18:07:05

End Date: 2010.09.06 @ 23:55:09

Job Ticket #: 040384      DST #: 5

Trilobite Testing, Inc

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

Sam Gary Jr.and assoc. Inc.

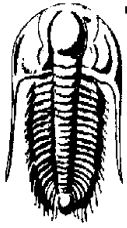
Wells Trust 1-16

6-21s-10w Rice

DST # 5

LKC- "H,J,J"

2010.09.06



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Sam Gary Jr. and assoc. Inc.  
 1515 Wynkoop St.  
 Suite 700  
 Denver Co. 80202  
 ATTN: Neil Sharp

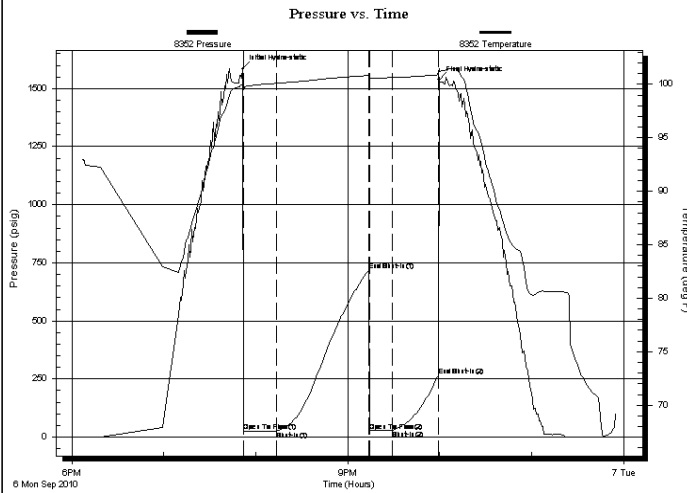
**Wells Trust 1-16**  
**6-21s-10w Rice**  
 Job Ticket: 040384 **DST#: 5**  
 Test Start: 2010.09.06 @ 18:07:05

## GENERAL INFORMATION:

Formation: **LKC- "H,I,J"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:52:10  
 Time Test Ended: 23:55:09  
 Test Type: Conventional Straddle  
 Tester: Andy Carreira  
 Unit No: 31  
 Interval: **3168.00 ft (KB) To 3252.00 ft (KB) (TVD)**  
 Total Depth: 3477.00 ft (KB) (TVD)  
 Reference Elevations: 1739.00 ft (KB)  
 1729.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 10.00 ft

**Serial #: 8352 Outside**  
 Press@RunDepth: 29.37 psig @ 3169.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2010.09.06 End Date: 2010.09.06 Last Calib.: 2010.09.06  
 Start Time: 18:07:05 End Time: 23:55:10 Time On Btm: 2010.09.06 @ 19:51:30  
 Time Off Btm: 2010.09.06 @ 21:59:40

TEST COMMENT: IF: Weak, died in 17 min.  
 IS: No Return  
 FF: No blow  
 FS: No Return



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1584.00	100.03	Initial Hydro-static
1	23.25	99.49	Open To Flow (1)
23	25.80	100.09	Shut-In(1)
83	718.11	100.83	End Shut-In(1)
83	26.99	100.51	Open To Flow (2)
98	29.37	100.62	Shut-In(2)
128	262.35	100.89	End Shut-In(2)
129	1538.22	101.18	Final Hydro-static

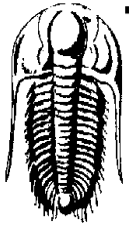
## Recovery

Length (ft)	Description	Volume (bbl)
10.00	M m=100%	0.05

## Gas Rates

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





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Sam Gary Jr. and assoc. Inc.

**Wells Trust 1-16**

1515 Wynkoop St.  
Suite 700  
Denver Co. 80202  
ATTN: Neil Sharp

**6-21s-10w Rice**

Job Ticket: 040384

**DST#: 5**

Test Start: 2010.09.06 @ 18:07:05

## GENERAL INFORMATION:

Formation: **LKC- "H,I,J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:52:10

Time Test Ended: 23:55:09

Test Type: Conventional Straddle

Tester: Andy Carreira

Unit No: 31

**Interval: 3168.00 ft (KB) To 3252.00 ft (KB) (TVD)**

Reference Elevations: 1739.00 ft (KB)

Total Depth: 3477.00 ft (KB) (TVD)

1729.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8650 Outside**

Press @ Run Depth: psig @ 3257.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.06

End Date:

2010.09.06

Last Calib.:

2010.09.06

Start Time: 18:08:31

End Time:

23:55:00

Time On Btm:

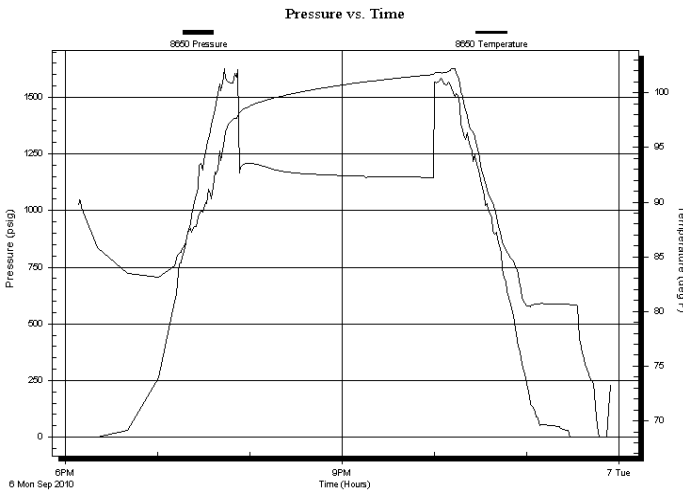
Time Off Btm:

TEST COMMENT: IF: Weak, died in 17 min.

IS: No Return

FF: No blow

FS: No Return



## PRESSURE SUMMARY

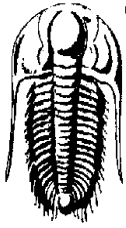
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	M m=100%	0.05

## Gas Rates

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



**TRILOBITE**  
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# DRILL STEM TEST REPORT

Sam Gary Jr. and assoc. Inc.

1515 Wynkoop St.  
Suite 700  
Denver Co. 80202  
ATTN: Neil Sharp

**Wells Trust 1-16**

**6-21s-10w Rice**

Job Ticket: 040384 **DST#: 5**

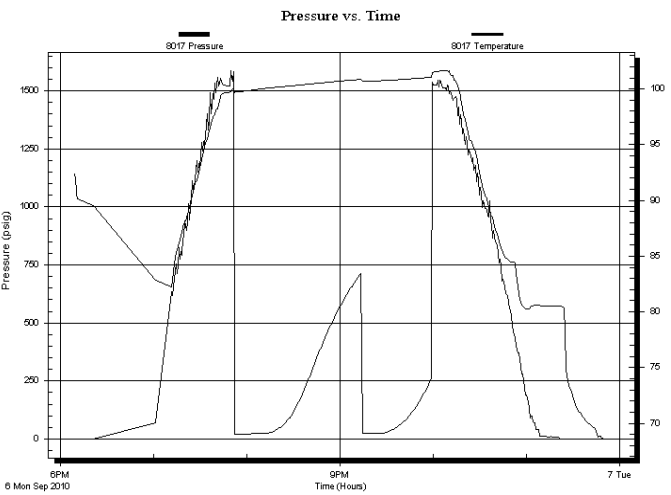
Test Start: 2010.09.06 @ 18:07:05

### GENERAL INFORMATION:

Formation: **LKC- "H,I,J"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:52:10  
 Time Test Ended: 23:55:09  
 Interval: **3168.00 ft (KB) To 3252.00 ft (KB) (TVD)**  
 Total Depth: 3477.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Straddle  
 Tester: Andy Carreira  
 Unit No: 31  
 Reference Elevations: 1739.00 ft (KB)  
 1729.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8017 Inside**  
 Press @ Run Depth: psig @ 3169.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2010.09.06 End Date: 2010.09.06 Last Calib.: 2010.09.06  
 Start Time: 18:09:15 End Time: 23:52:50 Time On Btm:  
 Time Off Btm:

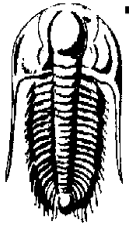
**TEST COMMENT:** IF: Weak, died in 17 min.  
 IS: No Return  
 FF: No blow  
 FS: No Return



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

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	M m=100%	0.05

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Sam Gary Jr. and assoc. Inc.

**Wells Trust 1-16**

1515 Wynkoop St.  
Suite 700  
Denver Co. 80202  
ATTN: Neil Sharp

**6-21s-10w Rice**

Job Ticket: 040384

**DST#: 5**

Test Start: 2010.09.06 @ 18:07:05

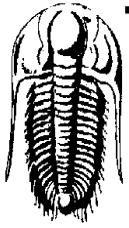
**Tool Information**

Drill Pipe:	Length: 3032.00 ft	Diameter: 3.80 inches	Volume: 42.53 bbl	Tool Weight: 3000.00 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: 118.39 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 43.11 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.39 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3168.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	3252.00 ft			
Interval between Packers:	84.00 ft			
Tool Length:	341.00 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			3141.00	
Shut In Tool	5.00			3146.00	
Hydraulic tool	5.00			3151.00	
Jars	5.00			3156.00	
Safety Joint	3.00			3159.00	
Packer	5.00			3164.00	28.00 Bottom Of Top Packer
Packer	4.00			3168.00	
Stubb	1.00			3169.00	
Recorder	0.00	8017	Inside	3169.00	
Recorder	0.00	8352	Outside	3169.00	
Perforations	5.00			3174.00	
Change Over Sub	1.00			3175.00	
Drill Pipe	62.00			3237.00	
Change Over Sub	1.00			3238.00	
Perforations	9.00			3247.00	
Blank Off Sub	1.00			3248.00	
Blank Spacing	4.00			3252.00	84.00 Tool Interval
Packer	5.00			3257.00	
Recorder	0.00	8650	Outside	3257.00	
Perforations	4.00			3261.00	
Change Over Sub	1.00			3262.00	
Drill Pipe	219.00			3481.00	229.00 Bottom Packers & Anchor

**Total Tool Length: 341.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Sam Gary Jr. and assoc. Inc.

**Wells Trust 1-16**

1515 Wynkoop St.  
Suite 700  
Denver Co. 80202  
ATTN: Neil Sharp

**6-21s-10w Rice**

Job Ticket: 040384

**DST#: 5**

Test Start: 2010.09.06 @ 18:07:05

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9100.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M m=100%	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

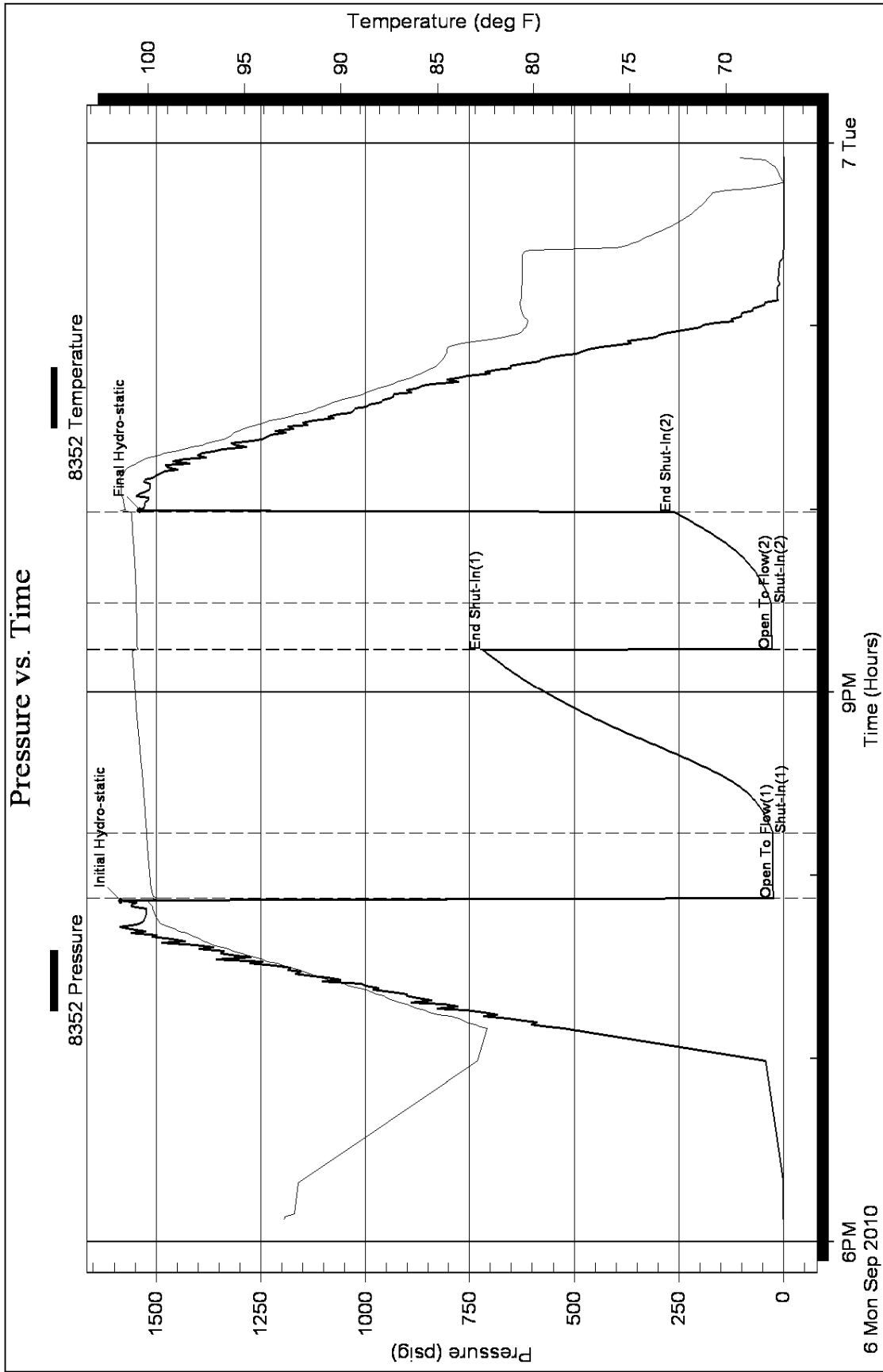
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

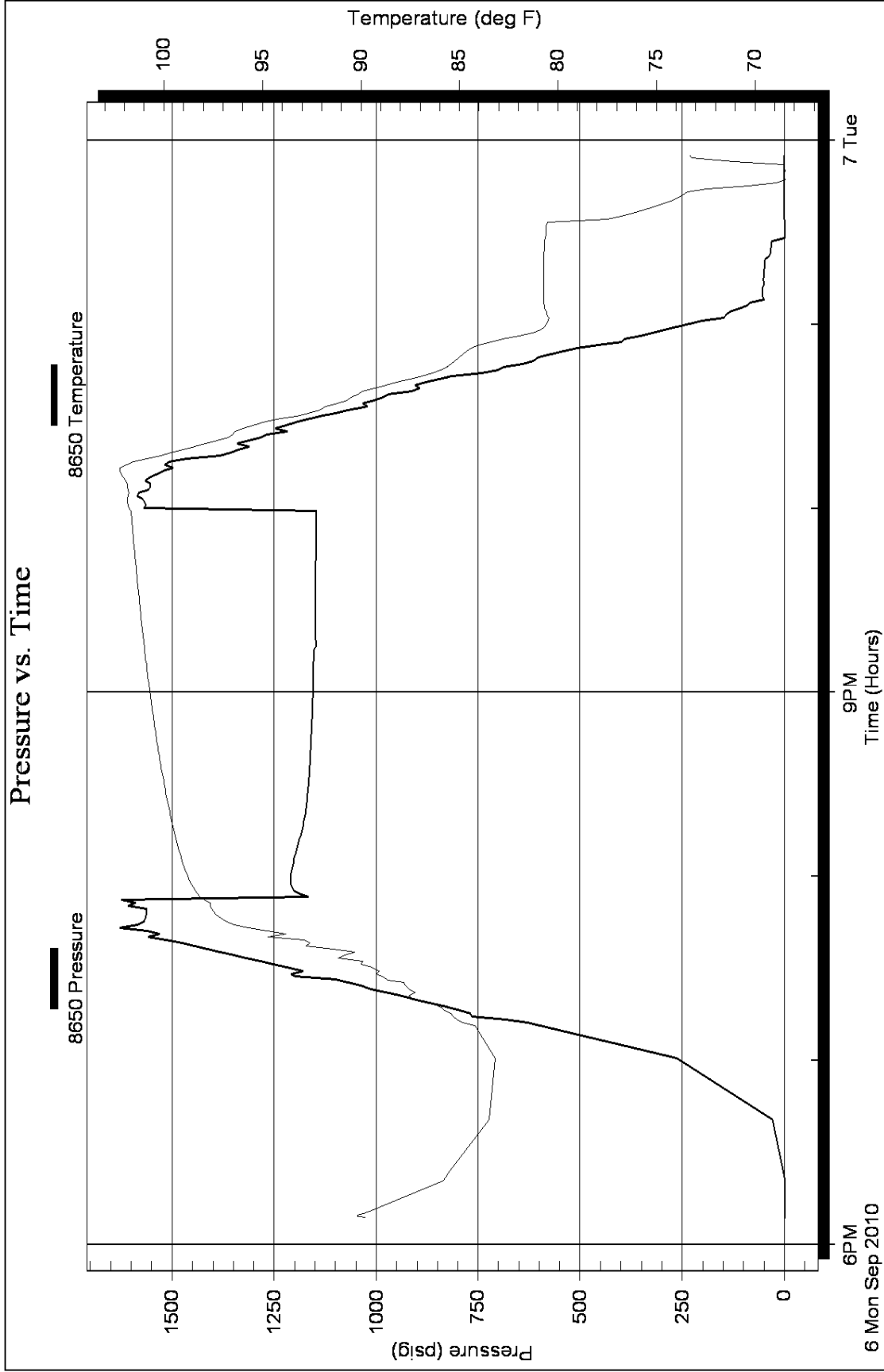


Serial #: 8650

Outside Sam Gary Jr. and assoc. Inc.

6-21s-10w Rice

DST Test Number: 5



Serial #: 8017

Inside

Sam Gary Jr. and assoc. Inc.

6-21s-10w Rice

DST Test Number: 5

