



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
---	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <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	LEGLEITER ET AL 1-10
Doc ID	1066047

All Electric Logs Run

DEN
IND
MICRO
SONIC
SPECTRAL

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



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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

October 25, 2011

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

Re: ACO1
API 15-165-21926-00-00
LEGLEITER ET AL 1-10
SW/4 Sec.10-16S-16W
Rush 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,
NEIL SHARP



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: 7/2/2011
 Invoice # 3846

P.O.#:
 Due Date: 8/1/2011
 Division: Russell

Invoice

V1107-AP-513 7/21

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 LOE GG

Account	8200-138
Well/Prospect	LEGLEITER 1-10
Deck	
AFE	
Approval	<i>[Signature]</i>
Description	

Reference:
 LEGLEITER 1-10

Description of Work:
 LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 977.42	No	Baffle Plate Aluminum, 8 5/8"	1	\$96.34	Yes
Common-Class A	370	\$ 4,831.89	Yes				
8 5/8" Basket	3	\$ 1,014.76	Yes				
Bulk Truck Mat-Material Service Charge	390	\$ 834.93	No				
Calcium Chloride	13	\$ 524.06	Yes				
Pump Truck Mileage-Job to Nearest Camp	26	\$ 277.75	No				
8 5/8" Centralizer	3	\$ 205.52	Yes				
Flo Seal	92	\$ 196.96	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	26	\$ 162.53	No				
Premium Gel (Bentonite)	7	\$ 121.99	Yes				
8 5/8" Top Rubber Plug	1	\$ 113.46	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 9,357.61
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,403.64)

SubTotal for Taxable Items:	\$ 6,039.23
SubTotal for Non-Taxable Items:	\$ 1,914.74
Total:	\$ 7,953.97
Tax:	\$ 380.47
Amount Due:	\$ 8,334.44
Applied Payments:	
Balance Due:	\$ 8,334.44

6.30% Rush County Sales Tax

Thank You For Your Business!

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

Federal Tax I.D.# 20-2886107

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

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

No. 3846

Date	6-29-11	Sec.	10	Twp.	16	Range	16	County	Rush	State	KS	On Location		Finish	10:00PM	
Lease	legleiter	Well No.	1-10			Location Gorham Stock 2W 2S 1/2 W N 1/4										
Contractor	Val II C											Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	Long Surface											Charge To	Sam Gary jr. & Assoc.			
Hole Size	12 1/4		T.D.	1069'												
Csg.	8 5/8 (2315)		Depth	1068.79'												
Tbg. Size			Depth													
Tool			Depth													
Cement Left in Csg.	42.35'		Shoe Joint	42.35'												
Meas Line			Displace	65 1/4 bbls												
													Cement Amount Ordered	370 lbm 3% cc 2% ogel 1/4 flk		

EQUIPMENT

Pumptrk	9	No.	Cement Helper	Brandon
Bulktrk	12	No.	Driver	Craig
Bulktrk	14	No.	Driver	Matt

Common	370
Poz. Mix	
Gel.	7
Calcium	13

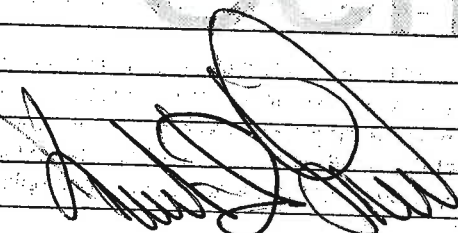
JOB SERVICES & REMARKS

Remarks:
 Rat Hole
 Mouse Hole
 Centralizers
 Baskets
 D/V or Port Collar
 Cement did Circs

Hulls
 Salt
 Flowseal 92#
 Kol-Seal
 Mud CLR 48
 CFL-117 or CD110 CAF 38
 Sand
 Handling 390
 Mileage

FLOAT EQUIPMENT

Guide Shoe
 Centralizer - 3
 Baskets - 3
 AFU Inserts
 Float Shoe
 Latch Down
 1-8 5/8 baffle plate
 1-8 5/8 solid rubber plug
 Pumptrk Charge Long Surface
 Mileage 26

Signature 

Tax
 Discount
 Total Charge



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

Date: 7/10/2011
 Invoice # 4900

P.O.#:

Due Date: 8/9/2011

Division: Russell

Invoice

7/28
V1107-AP-616

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

Reference:
 LEGLEITER 1-10

Description of Work:
 PROD LONG STRING

<input type="checkbox"/> DRLG	<input checked="" type="checkbox"/> COMP	<input type="checkbox"/> W/O	<input type="checkbox"/> LOE	<input type="checkbox"/> GG
Account	8306-238			
Well/Prospect	LEGLEITER 1-10			
Deck				
AFB	<i>[Signature]</i>			
Approval	<i>[Signature]</i>			
Description				

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 963.85	No	Pump Truck Mileage-Job to Nearest Camp	26	\$273.90	No
Common-Class A	225	\$ 2,897.50	Yes	Latch Down Plug & Baffle, 5 1/2"	1	\$236.44	Yes
Gilsonite	1057	\$ 1,673.58	Yes	Bulk Truck Mileage-Job to Nearest Bulk Plant	26	\$160.28	No
CFL 117	176	\$ 1,144.39	Yes	Flo Seal	56	\$118.22	Yes
5 1/2" Basket	3	\$ 728.33	Yes	KCL	2	\$63.04	Yes
CD-110	117	\$ 494.00	Yes				
5 1/2" Turbolizer	8	\$ 489.78	Yes				
Bulk Truck Mat-Material Service Charge	225	\$ 475.00	No				
Mud Clear	500	\$ 390.56	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 323.00	Yes				
Salt (Fine)	19	\$ 279.98	Yes				

Invoice Terms:
 Net 30

	SubTotal: \$ 10,711.84
	Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,606.78)
<hr/>	
	SubTotal for Taxable Items: \$ 7,513.00
	SubTotal for Non-Taxable Items: \$ 1,592.07
<hr/>	
	Total: \$ 9,105.06
	Tax: \$ 473.32
<hr/>	
	Amount Due: \$ 9,578.38
	Applied Payments:
	Balance Due: \$ 9,578.38

6.30% Rush County Sales Tax

Thank You For Your Business!

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

Federal Tax I.D.# 20-2886107

785-483-2025
85-324-1041

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

No. 4900

Date 7/7/11	Sec. 10	Twp. 16	Range 16	County Rush	State KS	On Location	Finish 9:00 AM
Case LRG-ENTER AL		Well No. 1-10		Location Graham, Ste County line, 2 W, 25, 1 1/2 W, N into			
Contractor VAL #6				Owner To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job Production String		T.D. 3650'		Charge To Samuel Gary Jr. + Associates, Inc.			
Hole Size 7 7/8"		Depth 3611'		Street			
Csg. 5 1/2" IS.50#		Depth		City			
Tbg. Size		Depth		State			
Tool		Depth		City			
Cement Left in Csg. 22'		Shoe Joint 22'		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace 86 1/4 Bbls.		Cement Amount Ordered 225 ss Q-Pro - 10% Salt 5% Gilsomite 4# 1/2" pipe, 3% CD110, 8% CFL-117			
EQUIPMENT				Common 2.5% CAF-38 225 Q-Pro-C			
Pumptrk 9	No.	Cement Helper Paul		Poz. Mix			
Bulktrk 14	No.	Driver Driver Neville		Get. 2.90 RCL			
Bulktrk PV	No.	Driver Driver Rocky		Calcium			
JOB SERVICES & REMARKS				Hulls CD 110 117#			
Remarks:				Salt 19			
Rat Hole 305x				Flowseal 56#			
Mouse Hole 205x				Kol-Seal 1057#			
Centralizers 1,3,5,7,9,11,13,15				Mud CLR 48 500 gal. / 20 Bbl. KCL			
Baskets 3,9,15				CFL-117 or CD110 CAF 38 50#			
D/V or Port Collar				Sand CFL-117 176#			
Est. Circ. - 1 hour				Handling			
Pump 500 gal. Mud Clear 18				Mileage			
Plug Rat / Mouse				FLOAT EQUIPMENT			
Mix 175 ex down 5 1/2"				Guide Shoe			
Displace				Centralizer 8 - Turbos			
Hand Plug				Baskets 3			
Float Head				AFU Inserts			
Thank You!!				Float Shoe 1			
				Latch Down 1			
				Rotating Head			
				Pumptrk Charge Mileage 26			
Signature <i>[Signature]</i>				Tax			
				Discount			
				Total Charge			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43533

DST#: 1

Test Start: 2011.07.03 @ 07:01:45

GENERAL INFORMATION:

Formation: **E-F-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:48:30

Time Test Ended: 13:56:15

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 54

Interval: 3285.00 ft (KB) To 3330.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3330.00 ft (KB) (TVD)

1943.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8673

Inside

Press @ Run Depth: 23.67 psig @ 3322.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.03

End Date:

2011.07.03

Last Calib.:

2011.07.03

Start Time:

07:01:47

End Time:

13:56:15

Time On Btm:

2011.07.03 @ 08:48:15

Time Off Btm:

2011.07.03 @ 12:00:45

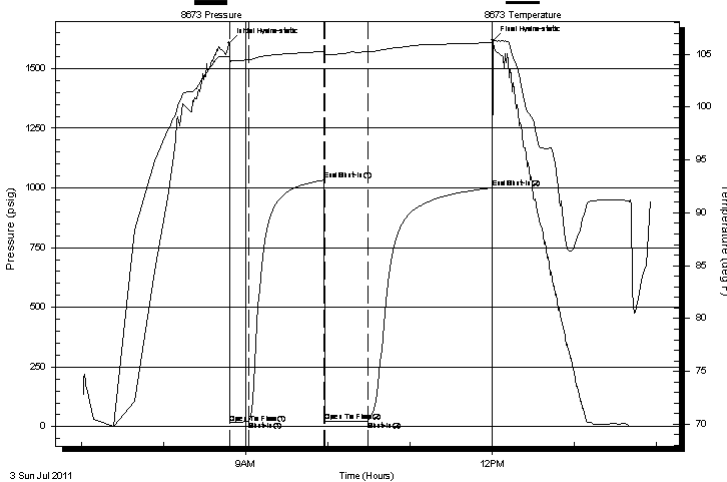
TEST COMMENT: IFP-Weak Surface Blow

ISI-Dead

FFP-Very Weak Surface Blow ,Died in 12 Min.

FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1607.97	104.82	Initial Hydro-static
1	16.04	104.06	Open To Flow (1)
14	20.76	104.49	Shut-In(1)
70	1033.03	105.27	End Shut-In(1)
70	20.71	104.78	Open To Flow (2)
101	23.67	105.22	Shut-In(2)
192	1000.44	106.09	End Shut-In(2)
193	1617.97	106.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
11.00	Mud W/Oil Scum	0.15

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43533

DST#: 1

Test Start: 2011.07.03 @ 07:01:45

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 9.99 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
11.00	Mud W/Oil Scum	0.154

Total Length: 11.00 ft Total Volume: 0.154 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

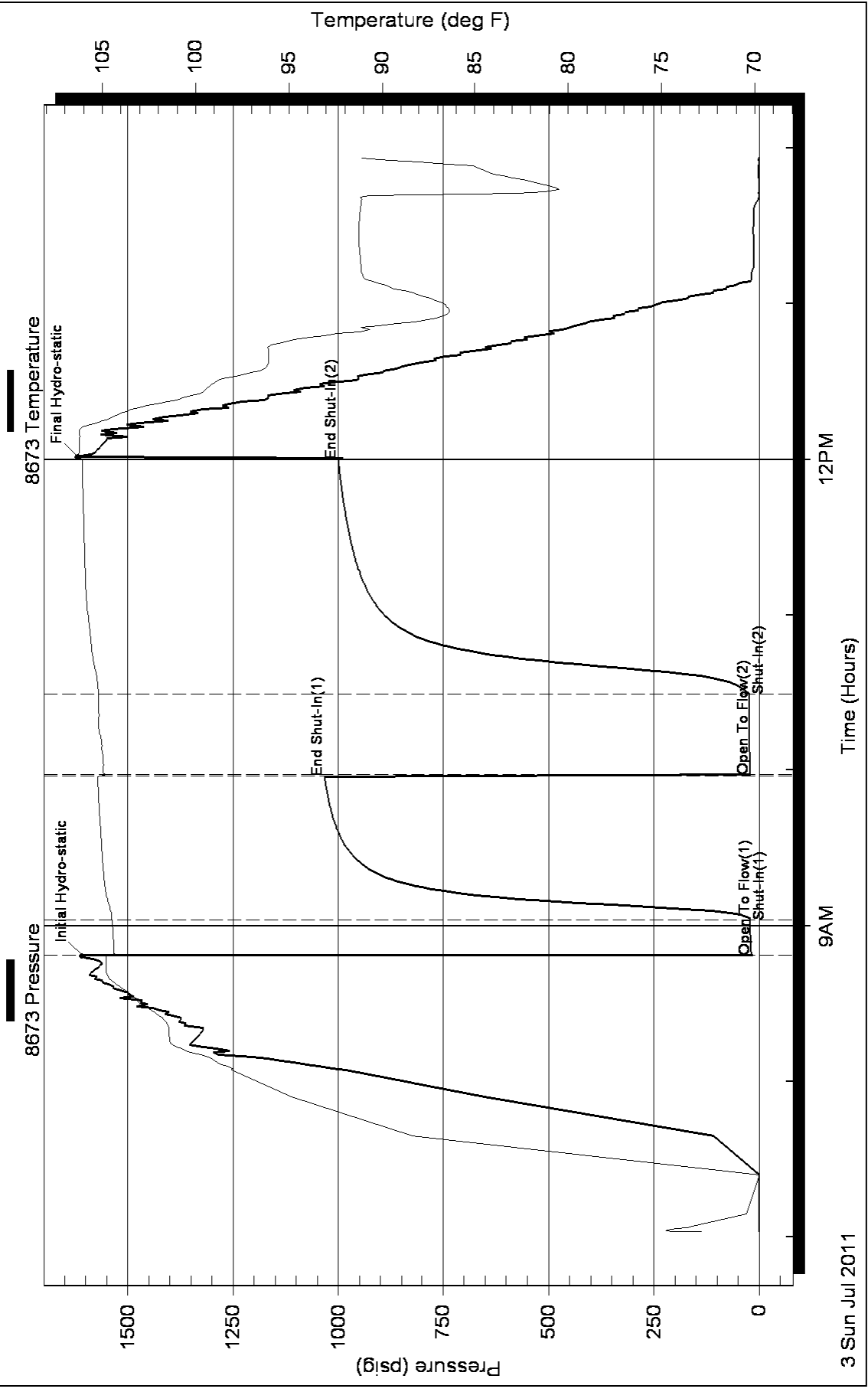
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 45#, 2000ml Mud W Oil /Scum

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr and Associates**

1515 Wynkoop Street
Suite 700
Denver, CO. 80202

ATTN: Neil Sharp

10-16s-16w-Rush

Legleiter et al 1-10

Start Date: 2011.07.04 @ 05:16:11

End Date: 2011.07.04 @ 13:30:11

Job Ticket #: 43534 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 Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43534

DST#: 2

Test Start: 2011.07.04 @ 05:16:11

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:02:56

Time Test Ended: 13:30:11

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 54

Interval: 3445.00 ft (KB) To 3496.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3496.00 ft (KB) (TVD)

1943.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8673 Inside

Press @ Run Depth: 183.68 psig @ 3482.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.04

End Date:

2011.07.04

Last Calib.:

2011.07.04

Start Time:

05:16:13

End Time:

13:30:11

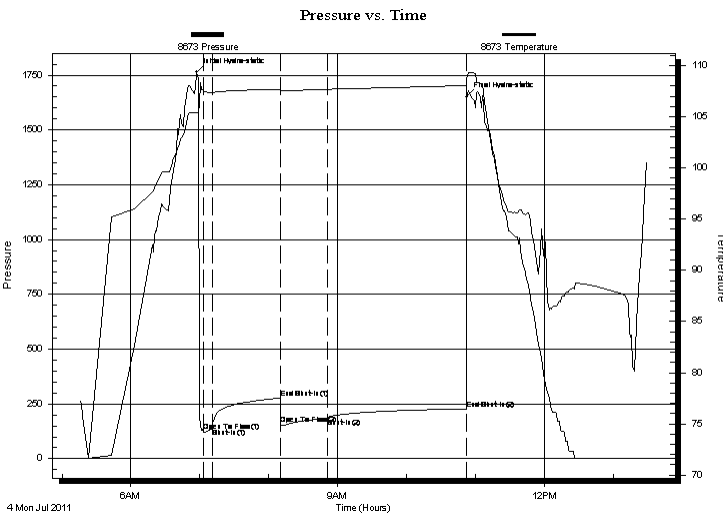
Time On Btm:

2011.07.04 @ 06:57:26

Time Off Btm:

2011.07.04 @ 10:52:41

TEST COMMENT: IFP-Strong, BOB in 1 Min.
ISI-Blow back Built to 4"
FFP-Good Blow, BOB in 8 Min.
FSI-Blow back Built to 3/4", Died Off to Nothing By 45 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1762.27	105.39	Initial Hydro-static
6	126.66	107.56	Open To Flow (1)
14	138.68	107.34	Shut-In(1)
73	277.84	107.69	End Shut-In(1)
74	156.82	107.62	Open To Flow (2)
114	183.68	107.67	Shut-In(2)
235	227.49	108.05	End Shut-In(2)
236	1649.63	108.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM-75%O-25%M	0.84
315.00	Gassy Oil-10%G-90%O	4.42

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43534

DST#: 2

Test Start: 2011.07.04 @ 05:16:11

Tool Information

Drill Pipe:	Length: 3439.00 ft	Diameter: 3.80 inches	Volume: 48.24 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 48.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3445.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	85.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	6755	Fluid	3411.00	
Change Over Sub	5.00			3416.00	
Shut In Tool	5.00			3421.00	
Sampler	2.00			3423.00	
Hydraulic tool	5.00			3428.00	
Jars	5.00			3433.00	
Safety Joint	2.00			3435.00	
Packer	5.00			3440.00	34.00 Bottom Of Top Packer
Packer	5.00			3445.00	
Stubb	1.00			3446.00	
Perforations	3.00			3449.00	
Change Over Sub	1.00			3450.00	
Blank Spacing	31.00			3481.00	
Change Over Sub	1.00			3482.00	
Recorder	0.00	8673	Inside	3482.00	
Recorder	0.00	6668	Outside	3482.00	
Perforations	11.00			3493.00	
Bullnose	3.00			3496.00	51.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43534

DST#: 2

Test Start: 2011.07.04 @ 05:16:11

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	OCM-75%O-25%M	0.842
315.00	Gassy Oil-10%G-90%O	4.419

Total Length: 375.00 ft Total Volume: 5.261 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 100#, 3000 ml Gassy Oil-



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43534

DST#: 2

Test Start: 2011.07.04 @ 05:16:11

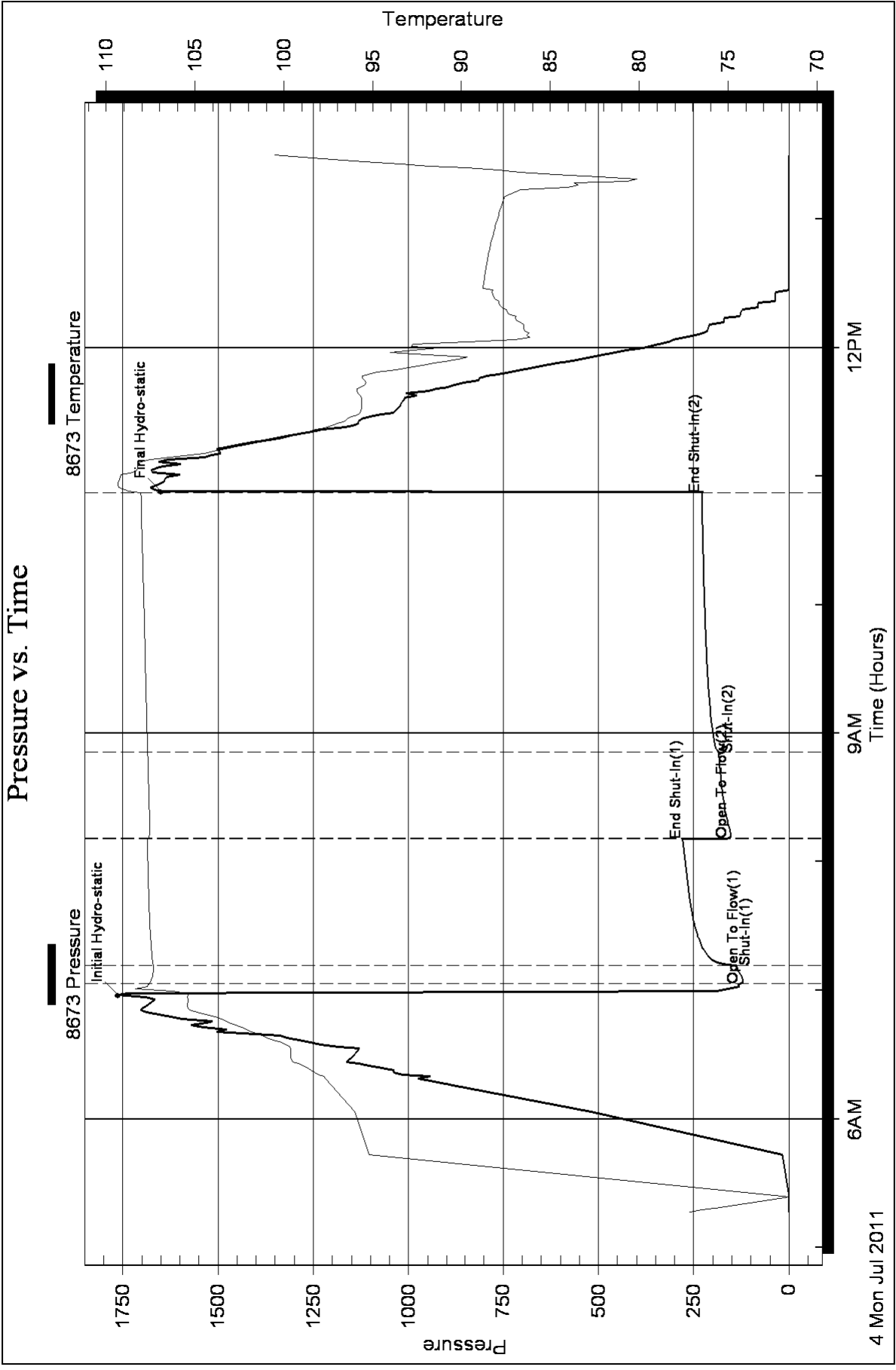
Gas Rates Information

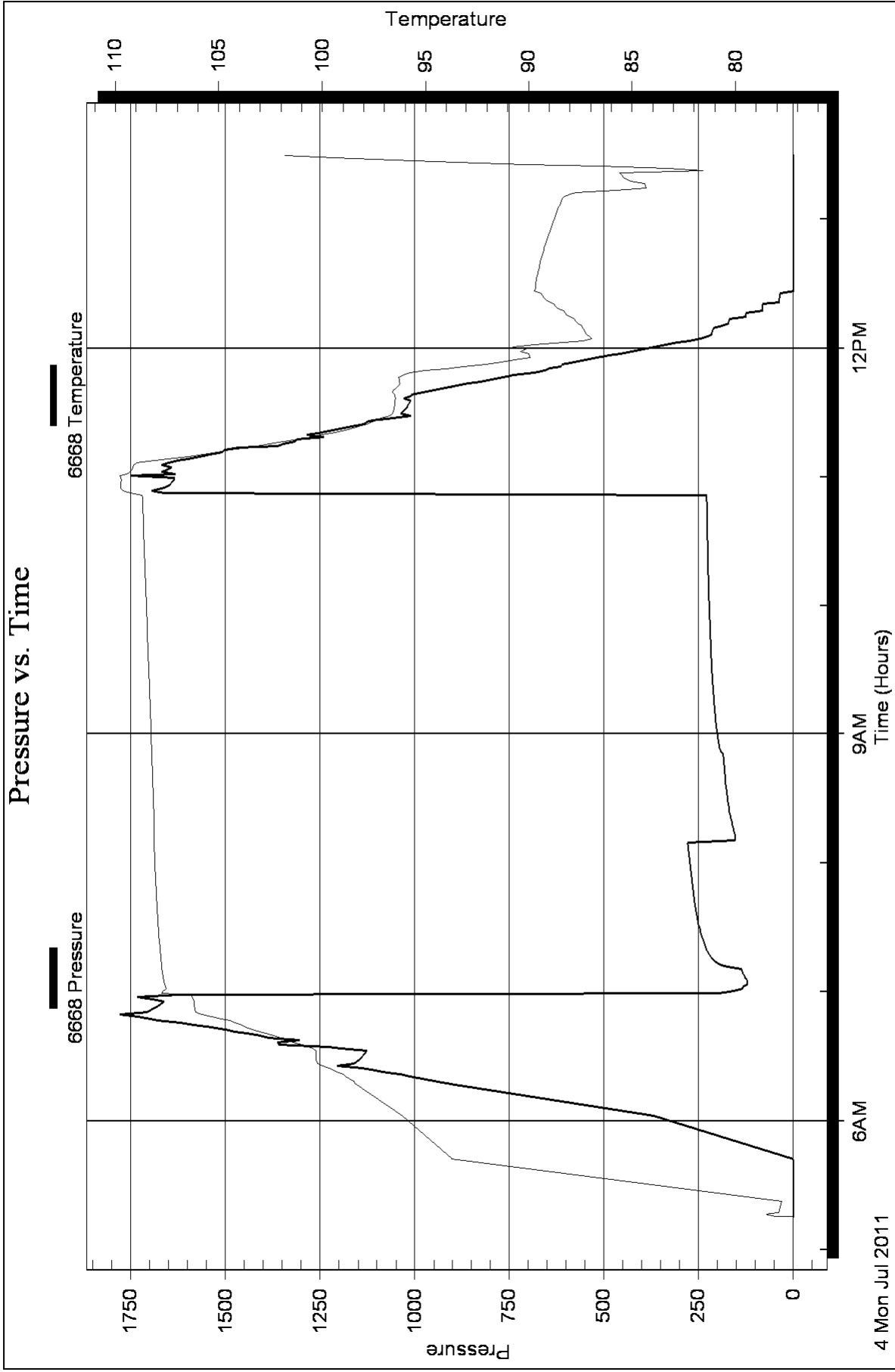
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
		0.00	0.00	0.00

Pressure vs. Time





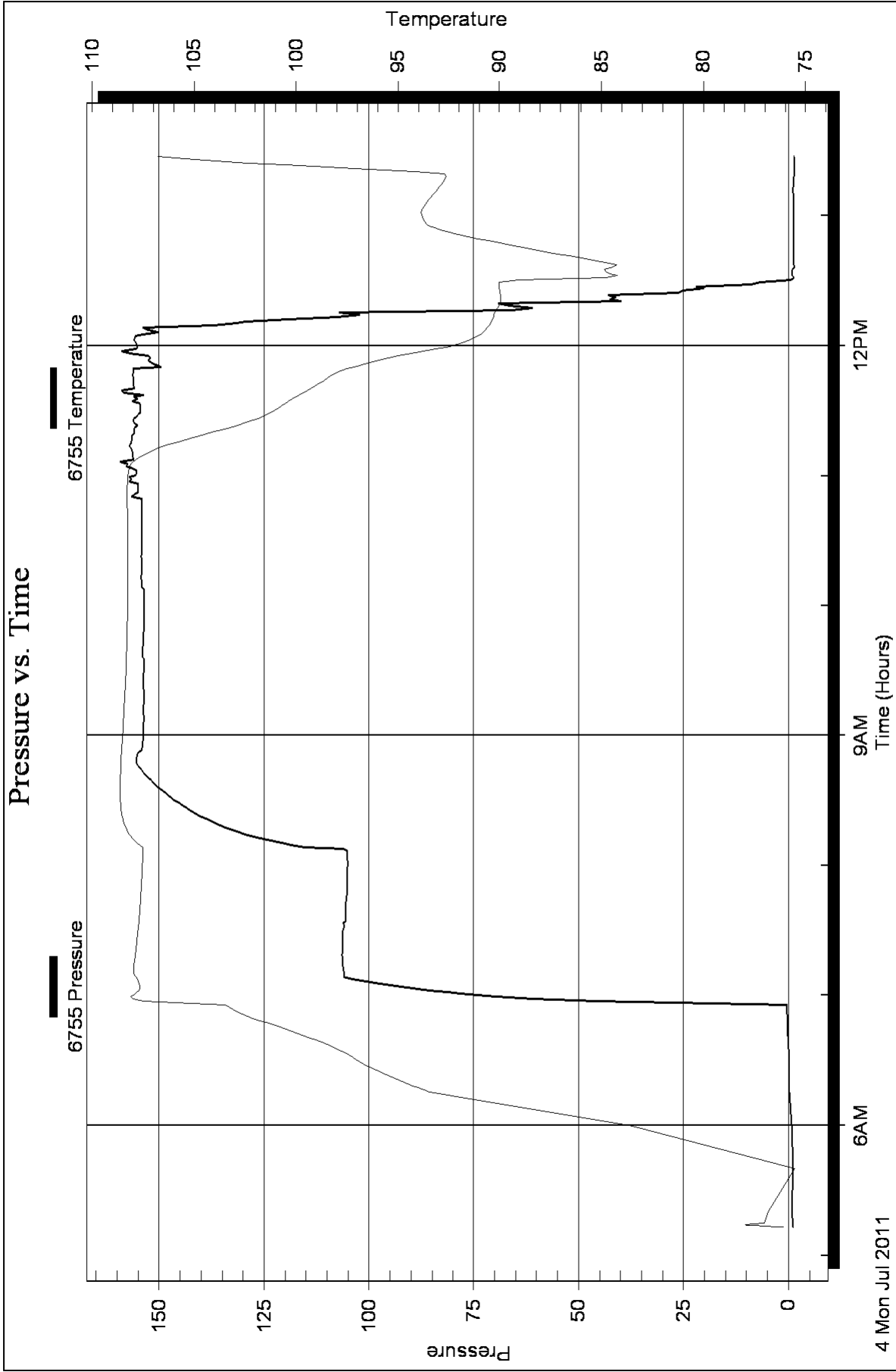
Serial #: 6755

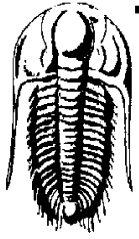
Fluid

Sam Gary Jr and Associates

10-16s-16w - Rush

DST Test Number: 2





**TRILOBITE
TESTING, INC.**

DRILL STEM TESTING - DATA LISTING

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43534

DST#: 2

Test Start: 2011.07.04 @ 05:16:11

Serial # 8673 Inside				Serial # 8673 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	-0.01	77.2		93.7	1734.71	105.0
	0.2	0.04	77.2		95.2	1699.90	105.4
	0.4	0.06	77.0		96.7	1685.80	105.4
	0.6	0.04	76.8		98.2	1673.21	105.4
	0.8	0.05	76.7		99.7	1662.53	105.4
	1.0	0.03	76.5		100.7	1692.16	105.4
	1.2	0.00	76.4		101.0	1727.17	105.4
	1.4	-0.02	76.2	Initial Hydro-static	101.2	1762.27	105.4
	1.6	-0.04	76.0		101.5	1731.80	105.4
	1.8	-0.05	75.8		101.7	1732.98	105.4
	7.0	-0.14	71.6		102.0	1733.13	105.4
	37.0	245.63	93.6		103.5	206.30	107.0
	62.2	974.39	97.7		105.0	131.95	107.7
	63.7	981.11	98.0		106.2	134.80	107.6
	65.2	1037.62	98.3		106.5	135.89	107.6
	66.7	1071.39	98.6	Open To Flow (1)	106.7	126.66	107.6
	68.2	1102.61	98.9		107.0	122.45	107.5
	69.7	1132.91	99.3		107.2	120.88	107.5
	71.2	1156.59	99.6		107.5	120.10	107.5
	72.7	1146.91	99.6		109.0	121.67	107.4
	74.2	1138.52	99.6		110.5	125.65	107.4
	75.7	1130.93	99.6		112.0	130.09	107.4
	77.2	1182.92	99.7		113.5	134.20	107.4
	78.7	1212.63	99.9		114.5	136.68	107.3
	80.2	1288.43	100.6		114.7	137.21	107.3
	81.7	1353.78	101.1	Shut-In(1)	115.0	138.68	107.3
	83.2	1402.16	101.5		115.2	162.56	107.4
	84.7	1442.19	102.0		115.5	168.28	107.4
	86.2	1538.23	102.4		115.7	172.89	107.4
	87.7	1535.58	102.9		117.2	196.75	107.4
	89.2	1514.73	103.2		118.7	208.09	107.4
	90.7	1646.75	103.6		120.2	215.46	107.4
	92.2	1655.94	104.4		121.7	221.33	107.5

Printing every 6 samples

Serial # 8673 Inside				Serial # 8673 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	123.2	226.16	107.5		177.7	153.66	107.6
	124.7	230.17	107.5		179.2	156.10	107.5
	126.2	233.74	107.5		180.7	158.58	107.6
	127.7	237.16	107.5		182.2	160.53	107.6
	129.2	239.62	107.5		183.7	162.62	107.6
	130.7	242.24	107.5		185.2	164.40	107.6
	132.2	244.56	107.5		186.7	166.10	107.6
	133.7	246.58	107.5		188.2	167.52	107.6
	135.2	248.57	107.6		189.7	168.86	107.6
	136.7	250.35	107.6		191.2	170.13	107.6
	138.2	252.10	107.6		192.7	171.40	107.6
	139.7	253.58	107.6		194.2	172.56	107.6
	141.2	255.01	107.6		195.7	173.75	107.6
	142.7	256.51	107.6		197.2	174.73	107.6
	144.2	257.79	107.6		198.7	175.62	107.6
	145.7	258.97	107.6		200.2	176.65	107.6
	147.2	260.20	107.6		201.7	177.53	107.6
	148.7	261.37	107.6		203.2	178.39	107.6
	150.2	262.46	107.6		204.7	179.16	107.6
	151.7	263.52	107.6		206.2	179.90	107.6
	153.2	264.63	107.6		207.7	180.74	107.6
	154.7	265.73	107.6		209.2	181.32	107.6
	156.2	266.61	107.6		210.7	181.69	107.7
	157.7	267.60	107.6		212.2	182.43	107.7
	159.2	268.70	107.6		213.7	183.25	107.7
	160.7	269.58	107.7		214.2	183.39	107.7
	162.2	270.49	107.7		214.5	183.46	107.7
	163.7	271.35	107.7	Shut-In(2)	214.7	183.68	107.7
	165.2	272.35	107.7		215.0	185.79	107.7
	166.7	273.39	107.7		215.2	187.19	107.7
	168.2	274.30	107.7		215.5	188.53	107.7
	169.7	275.12	107.7		217.0	192.18	107.7
	171.2	276.01	107.7		218.5	194.06	107.7
	172.7	277.03	107.7		220.0	195.73	107.7
	173.5	277.69	107.7		221.5	197.23	107.7
	173.7	277.76	107.7		223.0	198.51	107.7
End Shut-In(1)	174.0	277.84	107.7		224.5	199.66	107.7
	174.2	163.54	107.6		226.0	200.78	107.7
Open To Flow (2)	174.5	156.82	107.6		227.5	201.75	107.7
	174.7	154.34	107.6		229.0	202.77	107.7
	176.2	151.91	107.6		230.5	203.65	107.7

Printing every 6 samples

Serial # 8673 Inside				Serial # 8673 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	232.0	204.54	107.7		293.5	222.21	107.9
	233.5	205.35	107.7		295.0	222.44	107.9
	235.0	206.06	107.7		296.5	222.69	107.9
	236.5	206.82	107.7		298.0	222.91	107.9
	238.0	207.64	107.7		299.5	223.12	107.9
	239.5	208.15	107.7		301.0	223.35	107.9
	241.0	208.80	107.8		302.5	223.56	107.9
	242.5	209.45	107.8		304.0	223.78	107.9
	244.0	210.00	107.8		305.5	224.00	108.0
	245.5	210.58	107.8		307.0	224.21	108.0
	247.0	211.18	107.8		308.5	224.42	108.0
	248.5	211.65	107.8		310.0	224.63	108.0
	250.0	212.21	107.8		311.5	224.54	108.0
	251.5	212.56	107.8		313.0	225.05	108.0
	253.0	213.15	107.8		314.5	225.24	108.0
	254.5	213.53	107.8		316.0	225.41	108.0
	256.0	213.94	107.8		317.5	225.59	108.0
	257.5	214.43	107.8		319.0	225.81	108.0
	259.0	214.82	107.8		320.5	225.99	108.0
	260.5	215.26	107.8		322.0	226.15	108.0
	262.0	215.58	107.8		323.5	226.31	108.0
	263.5	216.06	107.8		325.0	226.47	108.0
	265.0	216.41	107.8		326.5	226.64	108.0
	266.5	216.70	107.8		328.0	226.79	108.0
	268.0	217.14	107.8		329.5	226.96	108.0
	269.5	217.41	107.8		331.0	226.79	108.0
	271.0	217.74	107.8		332.5	227.28	108.0
	272.5	218.39	107.8		334.0	227.37	108.0
	274.0	218.35	107.9		335.5	227.45	108.0
	275.5	218.63	107.9		335.7	227.44	108.1
	277.0	218.96	107.9	End Shut-In(2)	336.0	227.49	108.1
	278.5	219.58	107.9		336.2	225.49	108.0
	280.0	219.51	107.9	Final Hydro-static	336.5	1649.63	108.7
	281.5	219.85	107.9		336.7	1663.88	108.7
	283.0	220.09	107.9		338.2	1678.39	109.3
	284.5	220.66	107.9		339.7	1654.47	109.3
	286.0	220.91	107.9		341.2	1641.72	109.3
	287.5	221.17	107.9		342.7	1636.30	109.2
	289.0	221.42	107.9		344.2	1600.18	109.2
	290.5	221.39	107.9		345.7	1673.62	108.4
	292.0	221.96	107.9		347.2	1659.83	108.2

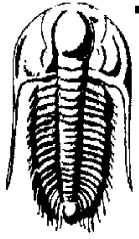
Printing every 6 samples

Serial # 8673 Inside				Serial # 8673 Inside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	348.7	1641.23	108.2		410.2	225.63	86.2
	350.2	1656.50	108.1		411.7	213.79	86.5
	351.7	1626.97	106.8		413.2	211.39	86.5
	353.2	1517.63	105.3		414.7	183.59	86.5
	354.7	1539.16	104.3		416.2	169.09	86.9
	356.2	1502.54	103.3		417.7	167.88	87.0
	357.7	1464.25	102.5		419.2	125.32	87.4
	359.2	1411.37	101.4		420.7	124.83	87.5
	360.7	1317.14	100.6		422.2	80.54	87.7
	362.2	1320.76	99.6		423.7	80.42	87.9
	363.7	1285.01	98.9		425.2	37.54	87.9
	365.2	1226.80	98.2		426.7	35.80	88.2
	366.7	1196.46	97.4		428.2	35.52	88.2
	368.2	1132.08	97.0		429.7	35.19	88.3
	369.7	1127.54	96.5		431.2	-0.13	88.8
	371.2	1101.99	96.2		432.7	-0.16	88.8
	372.7	1041.01	95.8		434.2	-0.17	88.7
	374.2	1034.19	95.7		435.7	-0.17	88.7
	375.7	1025.56	95.7		437.2	-0.15	88.7
	377.2	1020.56	95.7		438.7	-0.15	88.7
	378.7	1015.40	95.7		440.2	-0.13	88.6
	380.2	1010.33	95.7		441.7	-0.12	88.6
	381.7	1011.21	95.9		443.2	-0.09	88.6
	383.2	948.04	95.9		444.7	-0.05	88.5
	384.7	948.70	95.8		446.2	-0.04	88.5
	386.2	877.23	95.5		447.7	-0.04	88.5
	387.7	856.55	95.5		449.2	-0.02	88.4
	389.2	811.97	95.6		450.7	0.00	88.4
	390.7	764.72	95.5		452.2	0.01	88.3
	392.2	732.18	94.8		453.7	0.00	88.3
	393.7	650.52	93.2		455.2	-0.04	88.3
	395.2	639.98	92.2		456.7	-0.09	88.2
	396.7	573.66	90.8		458.2	-0.21	88.2
	398.2	548.37	90.2		459.7	-0.25	88.1
	399.7	517.16	89.1		461.2	-0.23	88.1
	401.2	456.97	94.0		462.7	-0.19	88.0
	402.7	425.88	91.2		464.2	-0.18	87.9
	404.2	367.09	92.9		465.7	-0.17	87.9
	405.7	335.47	90.6		467.2	-0.18	87.8
	407.2	304.70	87.0		468.7	-0.19	87.8
	408.7	244.57	86.1		470.2	-0.18	87.7

Printing every 6 samples

Serial # 8673 Inside				Serial # 6668 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	471.7	-0.20	87.7				
	473.2	-0.21	87.6				
	474.7	-0.23	87.4				
	476.2	-0.29	86.9				
	477.7	-0.31	85.0				
	479.2	-0.31	83.5				
	480.7	-0.33	82.3				
	482.2	-0.35	80.1				
	483.7	-0.31	83.5				
	485.2	-0.30	86.7				
	486.7	-0.27	88.6				
	488.2	-0.22	91.8				
	489.7	-0.19	94.5				
	491.2	-0.26	97.2				
	492.7	-0.11	99.7				
	494.0	-0.19	101.7				

Printing every 5 samples



**TRILOBITE
TESTING, INC.**

DRILL STEM TESTING - DATA LISTING

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43534

DST#: 2

Test Start: 2011.07.04 @ 05:16:11

Serial # 6668 Outside				Serial # 6668 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	-1.30	77.2		85.5	1441.08	102.8
	0.2	-1.26	77.9		86.7	1511.91	103.1
	0.3	-1.26	78.2		88.0	1524.10	103.6
	0.5	-1.23	78.2		89.2	1581.68	103.9
	0.7	-1.21	78.3		90.5	1594.81	104.3
	0.8	-1.19	78.5		91.7	1624.98	104.7
	1.0	-1.18	78.5		93.0	1651.48	105.2
	1.2	-1.17	78.5		94.2	1777.55	105.8
	1.3	-1.15	78.4		95.5	1703.34	106.1
	1.5	-1.15	78.3		96.7	1690.74	106.2
	1.7	-1.16	78.1		98.0	1680.11	106.2
	1.8	-1.17	78.0		99.2	1669.86	106.2
	7.0	-1.19	77.8		100.5	1661.94	106.2
	32.0	17.29	96.1		101.7	1769.01	106.3
	57.0	639.92	97.3		103.0	1735.94	106.3
	63.0	950.59	98.4		104.2	197.07	107.7
	64.2	981.18	98.7		105.5	141.88	107.6
	65.5	1010.58	98.9		106.7	134.10	107.6
	66.7	1007.51	99.0		108.0	119.90	107.6
	68.0	1150.53	99.4		109.2	120.81	107.6
	69.2	1138.76	99.7		110.5	123.83	107.7
	70.5	1166.28	100.1		111.7	127.31	107.7
	71.7	1157.24	100.3		113.0	130.95	107.7
	73.0	1148.99	100.3		114.2	134.29	107.7
	74.2	1141.69	100.3		115.5	137.37	107.7
	75.5	1135.05	100.3		116.7	180.98	107.8
	76.7	1129.07	100.3		118.0	198.35	107.8
	78.0	1195.87	100.4		119.2	207.52	107.8
	79.2	1228.31	100.7		120.5	213.99	107.8
	80.5	1290.50	101.1		121.7	219.13	107.8
	81.7	1320.43	101.6		123.0	223.42	107.8
	83.0	1426.66	101.9		124.2	227.08	107.8
	84.2	1408.72	102.4		125.5	230.39	107.8

Printing every 5 samples

Serial # 6668 Outside				Serial # 6668 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	126.7	233.32	107.9		178.0	153.28	108.1
	128.0	236.21	107.9		179.2	155.14	108.1
	129.2	238.36	107.9		180.5	157.44	108.1
	130.5	240.83	107.9		181.7	158.97	108.1
	131.7	242.65	107.9		183.0	160.59	108.1
	133.0	244.68	107.9		184.2	162.46	108.1
	134.2	246.23	107.9		185.5	163.89	108.1
	135.5	247.96	107.9		186.7	165.27	108.1
	136.7	249.55	107.9		188.0	166.61	108.1
	138.0	250.87	107.9		189.2	167.86	108.1
	139.2	252.34	108.0		190.5	168.92	108.2
	140.5	253.60	108.0		191.7	169.96	108.2
	141.7	254.79	108.0		193.0	171.05	108.2
	143.0	255.95	108.0		194.2	171.94	108.2
	144.2	257.07	108.0		195.5	172.96	108.2
	145.5	258.16	108.0		196.7	173.94	108.2
	146.7	259.22	108.0		198.0	174.69	108.2
	148.0	260.17	108.0		199.2	175.61	108.2
	149.2	261.18	108.0		200.5	176.35	108.2
	150.5	262.07	108.0		201.7	177.04	108.2
	151.7	263.02	108.0		203.0	177.79	108.2
	153.0	263.80	108.0		204.2	178.57	108.2
	154.2	264.74	108.0		205.5	179.18	108.2
	155.5	265.55	108.0		206.7	179.84	108.2
	156.7	266.49	108.0		208.0	180.42	108.2
	158.0	267.22	108.1		209.2	180.93	108.2
	159.2	268.03	108.1		210.5	181.33	108.2
	160.5	268.79	108.1		211.7	181.85	108.2
	161.7	269.49	108.1		213.0	182.33	108.2
	163.0	270.40	108.1		214.2	183.08	108.2
	164.2	271.21	108.1		215.5	185.46	108.2
	165.5	271.94	108.1		216.7	190.82	108.2
	166.7	272.80	108.1		218.0	192.72	108.2
	168.0	273.57	108.1		219.2	194.23	108.2
	169.2	274.32	108.1		220.5	195.57	108.3
	170.5	275.16	108.1		221.7	196.80	108.3
	171.7	275.84	108.1		223.0	197.84	108.3
	173.0	276.63	108.1		224.2	198.91	108.3
	174.2	277.55	108.1		225.5	199.84	108.3
	175.5	153.16	108.1		226.7	200.66	108.3
	176.7	151.61	108.1		228.0	201.61	108.3

Printing every 5 samples

Serial # 6668 Outside				Serial # 6668 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	229.2	202.34	108.3		280.5	219.39	108.5
	230.5	203.14	108.3		281.7	219.92	108.5
	231.7	203.85	108.3		283.0	220.15	108.5
	233.0	204.56	108.3		284.2	220.38	108.5
	234.2	205.25	108.3		285.5	220.28	108.5
	235.5	205.81	108.3		286.7	220.47	108.5
	236.7	206.55	108.3		288.0	221.02	108.5
	238.0	207.13	108.3		289.2	221.23	108.5
	239.2	207.68	108.3		290.5	221.45	108.5
	240.5	208.19	108.3		291.7	221.64	108.5
	241.7	208.70	108.3		293.0	221.85	108.5
	243.0	209.21	108.3		294.2	222.04	108.5
	244.2	209.80	108.3		295.5	221.91	108.5
	245.5	210.20	108.3		296.7	222.14	108.5
	246.7	210.70	108.4		298.0	222.63	108.5
	248.0	211.09	108.4		299.2	222.83	108.6
	249.2	211.58	108.4		300.5	223.03	108.6
	250.5	211.94	108.4		301.7	223.25	108.6
	251.7	212.37	108.4		303.0	223.42	108.6
	253.0	212.76	108.4		304.2	223.59	108.6
	254.2	213.14	108.4		305.5	223.76	108.6
	255.5	213.50	108.4		306.7	223.93	108.6
	256.7	213.83	108.4		308.0	224.10	108.6
	258.0	214.13	108.4		309.2	224.27	108.6
	259.2	214.51	108.4		310.5	224.44	108.6
	260.5	214.93	108.4		311.7	224.64	108.6
	261.7	215.25	108.4		313.0	224.85	108.6
	263.0	215.60	108.4		314.2	224.72	108.6
	264.2	215.94	108.4		315.5	225.15	108.6
	265.5	216.23	108.4		316.7	225.29	108.6
	266.7	216.50	108.4		318.0	225.46	108.6
	268.0	216.80	108.4		319.2	225.61	108.6
	269.2	217.43	108.4		320.5	225.76	108.6
	270.5	217.35	108.4		321.7	225.91	108.6
	271.7	217.92	108.4		323.0	226.05	108.6
	273.0	217.81	108.4		324.2	226.18	108.6
	274.2	218.11	108.5		325.5	226.31	108.7
	275.5	218.33	108.5		326.7	226.45	108.7
	276.7	218.66	108.5		328.0	226.58	108.7
	278.0	218.89	108.5		329.2	226.70	108.7
	279.2	219.05	108.5		330.5	226.83	108.7

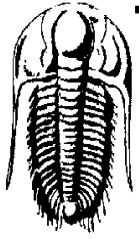
Printing every 5 samples

Serial # 6668 Outside				Serial # 6668 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	331.7	226.98	108.7		383.0	1010.97	96.5
	333.0	227.14	108.7		384.2	979.55	96.6
	334.2	227.24	108.7		385.5	947.17	96.5
	335.5	227.31	108.7		386.7	878.93	96.3
	336.7	224.62	108.7		388.0	858.37	96.3
	338.0	1701.58	109.6		389.2	825.47	96.3
	339.2	1668.28	109.7		390.5	794.54	96.3
	340.5	1652.58	109.7		391.7	763.13	96.2
	341.7	1642.08	109.7		393.0	699.89	95.8
	343.0	1637.95	109.7		394.2	655.98	95.0
	344.2	1634.12	109.7		395.5	650.54	93.8
	345.5	1676.62	109.6		396.7	608.80	92.4
	346.7	1675.42	109.4		398.0	577.94	91.4
	348.0	1655.98	109.2		399.2	547.75	90.7
	349.2	1641.48	109.2		400.5	482.68	89.7
	350.5	1660.64	109.1		401.7	457.47	90.0
	351.7	1636.20	108.8		403.0	426.00	90.4
	353.0	1599.71	107.8		404.2	395.89	90.1
	354.2	1568.76	106.5		405.5	365.54	90.6
	355.5	1536.75	105.5		406.7	319.11	89.2
	356.7	1502.75	104.7		408.0	281.60	87.6
	358.0	1421.89	104.0		409.2	244.28	87.0
	359.2	1361.87	103.1		410.5	214.44	87.1
	360.5	1384.20	102.4		411.7	213.81	87.2
	361.7	1351.28	101.5		413.0	212.38	87.3
	363.0	1318.89	100.7		414.2	209.77	87.4
	364.2	1285.11	100.1		415.5	169.97	87.4
	365.5	1196.39	99.4		416.7	168.79	87.7
	366.7	1170.84	98.8		418.0	168.07	87.8
	368.0	1165.81	98.4		419.2	124.89	88.0
	369.2	1135.17	97.9		420.5	125.03	88.2
	370.5	1125.68	97.5		421.7	122.08	88.3
	371.7	1102.05	97.3		423.0	79.79	88.6
	373.0	1016.56	96.8		424.2	80.04	88.7
	374.2	1037.72	96.6		425.5	66.17	88.8
	375.5	1029.59	96.6		426.7	35.22	89.1
	376.7	1023.55	96.5		428.0	35.15	89.2
	378.0	1019.63	96.5		429.2	34.98	89.3
	379.2	1015.29	96.5		430.5	19.54	89.4
	380.5	1010.99	96.5		431.7	-1.16	89.7
	381.7	983.25	96.5		433.0	-1.17	89.7

Printing every 5 samples

Serial # 6668 Outside				Serial # 6668 Outside			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	434.2	-1.21	89.6		485.5	-1.34	85.5
	435.5	-1.21	89.6		486.7	-1.45	83.6
	436.7	-1.20	89.6		488.0	-1.49	82.5
	438.0	-1.22	89.6		489.2	-1.45	86.6
	439.2	-1.23	89.6		490.5	-1.39	91.0
	440.5	-1.26	89.5		491.7	-1.36	95.1
	441.7	-1.26	89.5		493.0	-1.39	98.7
	443.0	-1.29	89.5		494.2	-1.16	101.8
	444.2	-1.29	89.4		494.5	-1.31	102.3
	445.5	-1.30	89.4				
	446.7	-1.29	89.4				
	448.0	-1.31	89.3				
	449.2	-1.34	89.3				
	450.5	-1.34	89.3				
	451.7	-1.36	89.2				
	453.0	-1.36	89.2				
	454.2	-1.37	89.1				
	455.5	-1.36	89.1				
	456.7	-1.37	89.1				
	458.0	-1.35	89.0				
	459.2	-1.35	89.0				
	460.5	-1.34	88.9				
	461.7	-1.34	88.9				
	463.0	-1.34	88.8				
	464.2	-1.35	88.8				
	465.5	-1.35	88.7				
	466.7	-1.36	88.7				
	468.0	-1.36	88.6				
	469.2	-1.37	88.6				
	470.5	-1.37	88.5				
	471.7	-1.36	88.5				
	473.0	-1.36	88.4				
	474.2	-1.36	88.4				
	475.5	-1.39	88.2				
	476.7	-1.40	87.8				
	478.0	-1.36	86.6				
	479.2	-1.27	84.3				
	480.5	-1.17	84.4				
	481.7	-1.10	84.8				
	483.0	-1.11	85.2				
	484.2	-1.20	85.4				

Printing every 5 samples



**TRILOBITE
TESTING, INC.**

DRILL STEM TESTING - DATA LISTING

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43534

DST#: 2

Test Start: 2011.07.04 @ 05:16:11

Serial # 6755 Fluid				Serial # 6755 Fluid			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	-1.03	76.1		85.5	-0.02	98.8
	0.2	-1.10	76.7		86.7	0.01	99.2
	0.3	-1.04	76.8		88.0	0.05	99.5
	0.5	-1.00	76.8		89.2	0.08	99.9
	0.7	-1.04	77.6		90.5	0.10	100.3
	0.8	-1.07	78.0		91.7	0.12	100.6
	1.0	-1.10	77.9		93.0	0.14	101.0
	1.2	-1.11	77.8		94.2	0.17	101.5
	1.3	-1.12	77.7		95.5	0.19	101.9
	1.5	-1.12	77.5		96.7	0.21	102.3
	1.7	-1.07	77.3		98.0	0.23	102.6
	1.8	-1.03	77.1		99.2	0.25	102.9
	7.0	-0.79	76.8		100.5	0.26	103.2
	32.0	-1.18	74.3		101.7	0.26	103.4
	57.0	-0.29	89.5		103.0	5.50	103.8
	63.0	-0.26	93.7		104.2	45.84	107.5
	64.2	-0.25	94.0		105.5	62.67	108.0
	65.5	-0.24	94.4		106.7	73.30	108.0
	66.7	-0.24	94.7		108.0	80.17	107.8
	68.0	-0.25	95.0		109.2	85.60	107.7
	69.2	-0.24	95.3		110.5	90.64	107.7
	70.5	-0.23	95.6		111.7	95.24	107.7
	71.7	-0.22	96.0		113.0	99.81	107.7
	73.0	-0.21	96.2		114.2	103.82	107.8
	74.2	-0.20	96.5		115.5	106.05	107.9
	75.5	-0.18	96.8		116.7	105.94	107.9
	76.7	-0.16	97.0		118.0	106.02	108.0
	78.0	-0.14	97.2		119.2	106.11	108.0
	79.2	-0.13	97.4		120.5	106.19	107.9
	80.5	-0.12	97.6		121.7	106.26	107.9
	81.7	-0.11	97.9		123.0	106.29	107.9
	83.0	-0.08	98.2		124.2	106.33	107.9
	84.2	-0.06	98.5		125.5	106.34	107.9

Printing every 5 samples

Serial # 6755				Serial # 6755			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	126.7	106.33	107.9		178.0	122.84	107.9
	128.0	106.30	107.9		179.2	126.00	108.0
	129.2	106.30	107.8		180.5	128.19	108.1
	130.5	106.28	107.8		181.7	130.31	108.2
	131.7	106.27	107.8		183.0	132.32	108.3
	133.0	106.27	107.8		184.2	134.12	108.3
	134.2	106.30	107.8		185.5	135.79	108.4
	135.5	106.25	107.8		186.7	137.21	108.4
	136.7	106.20	107.7		188.0	138.69	108.5
	138.0	106.11	107.7		189.2	139.87	108.5
	139.2	105.92	107.7		190.5	140.96	108.5
	140.5	106.10	107.7		191.7	142.20	108.6
	141.7	105.52	107.7		193.0	143.19	108.6
	143.0	105.56	107.7		194.2	144.28	108.6
	144.2	105.58	107.7		195.5	145.35	108.6
	145.5	105.56	107.7		196.7	146.20	108.6
	146.7	105.49	107.7		198.0	147.07	108.6
	148.0	105.48	107.6		199.2	147.94	108.6
	149.2	105.47	107.6		200.5	148.79	108.6
	150.5	105.43	107.6		201.7	149.61	108.6
	151.7	105.38	107.6		203.0	150.33	108.6
	153.0	105.32	107.6		204.2	150.90	108.6
	154.2	105.26	107.6		205.5	151.62	108.6
	155.5	105.20	107.6		206.7	152.36	108.6
	156.7	105.16	107.6		208.0	152.95	108.6
	158.0	105.14	107.6		209.2	153.42	108.6
	159.2	105.14	107.6		210.5	153.90	108.6
	160.5	105.14	107.6		211.7	154.54	108.6
	161.7	105.13	107.6		213.0	155.02	108.6
	163.0	105.12	107.6		214.2	155.45	108.6
	164.2	105.13	107.6		215.5	155.57	108.6
	165.5	105.10	107.5		216.7	155.29	108.6
	166.7	105.09	107.5		218.0	155.03	108.6
	168.0	105.07	107.5		219.2	154.83	108.6
	169.2	105.09	107.5		220.5	154.35	108.6
	170.5	105.11	107.5		221.7	153.95	108.5
	171.7	105.12	107.5		223.0	153.89	108.5
	173.0	105.13	107.5		224.2	153.83	108.5
	174.2	106.00	107.5		225.5	153.77	108.5
	175.5	116.14	107.6		226.7	153.72	108.5
	176.7	119.56	107.7		228.0	153.71	108.5

Printing every 5 samples

Serial # 6755				Serial # 6755			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	229.2	153.70	108.5		280.5	153.56	108.3
	230.5	153.70	108.5		281.7	153.56	108.3
	231.7	153.68	108.5		283.0	153.55	108.3
	233.0	153.64	108.5		284.2	153.54	108.3
	234.2	153.62	108.5		285.5	153.51	108.3
	235.5	153.63	108.5		286.7	153.49	108.3
	236.7	153.65	108.4		288.0	153.47	108.3
	238.0	153.68	108.4		289.2	153.46	108.3
	239.2	153.70	108.4		290.5	153.47	108.3
	240.5	153.68	108.4		291.7	153.52	108.3
	241.7	153.63	108.4		293.0	153.75	108.3
	243.0	153.57	108.4		294.2	153.47	108.3
	244.2	153.52	108.4		295.5	154.09	108.3
	245.5	153.48	108.4		296.7	154.09	108.3
	246.7	153.57	108.4		298.0	154.13	108.3
	248.0	153.68	108.4		299.2	154.16	108.3
	249.2	153.78	108.4		300.5	154.18	108.3
	250.5	153.76	108.4		301.7	154.14	108.3
	251.7	153.74	108.4		303.0	154.12	108.3
	253.0	153.72	108.4		304.2	154.12	108.2
	254.2	153.69	108.4		305.5	154.11	108.3
	255.5	153.65	108.3		306.7	154.12	108.3
	256.7	153.61	108.3		308.0	154.14	108.3
	258.0	153.57	108.3		309.2	154.15	108.3
	259.2	153.55	108.3		310.5	154.13	108.3
	260.5	153.63	108.3		311.7	154.12	108.3
	261.7	153.77	108.3		313.0	154.11	108.3
	263.0	153.89	108.3		314.2	154.10	108.3
	264.2	153.88	108.3		315.5	154.12	108.3
	265.5	153.84	108.3		316.7	154.13	108.3
	266.7	153.83	108.3		318.0	154.13	108.3
	268.0	153.80	108.3		319.2	154.10	108.3
	269.2	153.77	108.3		320.5	154.08	108.3
	270.5	153.73	108.3		321.7	154.08	108.3
	271.7	153.70	108.3		323.0	154.09	108.3
	273.0	153.66	108.3		324.2	154.12	108.3
	274.2	153.64	108.3		325.5	154.14	108.3
	275.5	153.63	108.3		326.7	154.13	108.3
	276.7	153.61	108.3		328.0	154.12	108.3
	278.0	153.59	108.3		329.2	154.10	108.3
	279.2	153.58	108.3		330.5	154.09	108.3

Printing every 5 samples

Serial # 6755				Serial # 6755			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	331.7	154.11	108.3		383.0	155.79	100.1
	333.0	154.13	108.3		384.2	153.67	99.8
	334.2	154.12	108.3		385.5	151.53	99.6
	335.5	154.08	108.3		386.7	156.34	99.4
	336.7	155.33	108.3		388.0	156.09	99.1
	338.0	156.15	108.3		389.2	156.03	98.9
	339.2	154.99	108.3		390.5	159.65	98.7
	340.5	154.90	108.3		391.7	155.37	98.5
	341.7	154.87	108.3		393.0	156.45	98.3
	343.0	154.88	108.3		394.2	156.21	98.1
	344.2	157.07	108.3		395.5	155.94	97.8
	345.5	156.58	108.3		396.7	155.63	97.3
	346.7	156.15	108.2		398.0	159.87	96.8
	348.0	155.35	108.2		399.2	151.99	96.4
	349.2	155.26	108.2		400.5	155.81	95.8
	350.5	156.19	108.2		401.7	155.58	95.2
	351.7	156.25	108.1		403.0	155.33	94.5
	353.0	156.31	108.0		404.2	158.93	93.8
	354.2	156.00	107.9		405.5	155.99	93.0
	355.5	159.24	107.7		406.7	156.06	92.4
	356.7	153.46	107.4		408.0	155.73	91.9
	358.0	156.69	107.1		409.2	155.86	91.5
	359.2	156.58	106.9		410.5	162.58	91.2
	360.5	156.06	106.5		411.7	154.82	91.0
	361.7	155.85	106.1		413.0	150.23	90.8
	363.0	156.73	105.6		414.2	152.65	90.7
	364.2	156.38	105.2		415.5	153.98	90.6
	365.5	156.67	104.7		416.7	126.36	90.5
	366.7	156.48	104.2		418.0	128.77	90.4
	368.0	156.46	103.7		419.2	119.18	90.3
	369.2	155.87	103.2		420.5	95.68	90.3
	370.5	155.84	102.8		421.7	103.59	90.3
	371.7	159.75	102.4		423.0	75.72	90.2
	373.0	156.77	102.0		424.2	60.95	90.1
	374.2	155.38	101.6		425.5	65.75	90.0
	375.5	154.89	101.4		426.7	54.69	90.0
	376.7	154.39	101.1		428.0	42.60	89.9
	378.0	154.40	100.9		429.2	41.12	89.9
	379.2	154.39	100.7		430.5	42.81	90.0
	380.5	154.76	100.5		431.7	24.78	90.0
	381.7	155.80	100.3		433.0	19.96	90.0

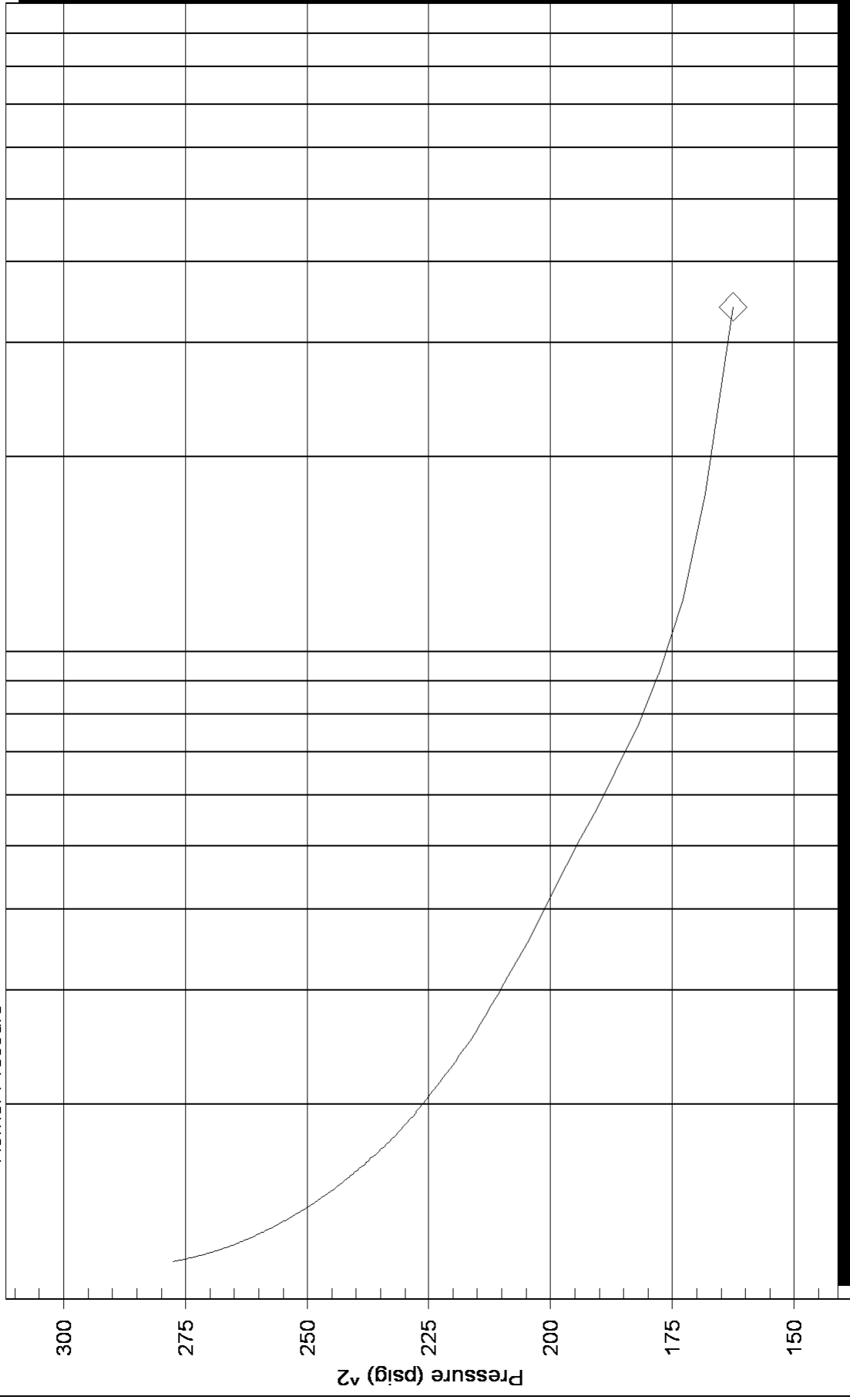
Printing every 5 samples

Serial # 6755				Serial # 6755			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	434.2	21.92	90.0		485.5	-1.40	92.6
	435.5	0.06	90.0		486.7	-1.43	93.1
	436.7	-0.51	90.0		488.0	-1.43	95.9
	438.0	-1.37	86.5		489.2	-1.43	98.5
	439.2	-0.92	84.2		490.5	-1.43	101.0
	440.5	-0.94	84.7		491.7	-1.52	103.2
	441.7	-0.93	84.8		493.0	-1.36	105.1
	443.0	-0.91	84.9		494.2	-1.39	106.8
	444.2	-1.28	84.3		494.5	-1.44	107.2
	445.5	-1.29	85.0				
	446.7	-1.31	85.7				
	448.0	-1.32	86.4				
	449.2	-1.32	87.2				
	450.5	-1.32	87.9				
	451.7	-1.32	88.6				
	453.0	-1.34	89.3				
	454.2	-1.35	90.0				
	455.5	-1.35	90.7				
	456.7	-1.34	91.3				
	458.0	-1.33	91.9				
	459.2	-1.34	92.5				
	460.5	-1.32	93.0				
	461.7	-1.33	93.4				
	463.0	-1.34	93.6				
	464.2	-1.36	93.7				
	465.5	-1.35	93.8				
	466.7	-1.34	93.8				
	468.0	-1.33	93.9				
	469.2	-1.32	93.8				
	470.5	-1.30	93.8				
	471.7	-1.28	93.7				
	473.0	-1.27	93.6				
	474.2	-1.25	93.5				
	475.5	-1.24	93.4				
	476.7	-1.21	93.3				
	478.0	-1.20	93.2				
	479.2	-1.19	93.1				
	480.5	-1.22	92.9				
	481.7	-1.26	92.8				
	483.0	-1.31	92.8				
	484.2	-1.34	92.7				

Printing every 5 samples

Homer Plot

Horner Pressure



Horner Time: (Twf + dt) / dt

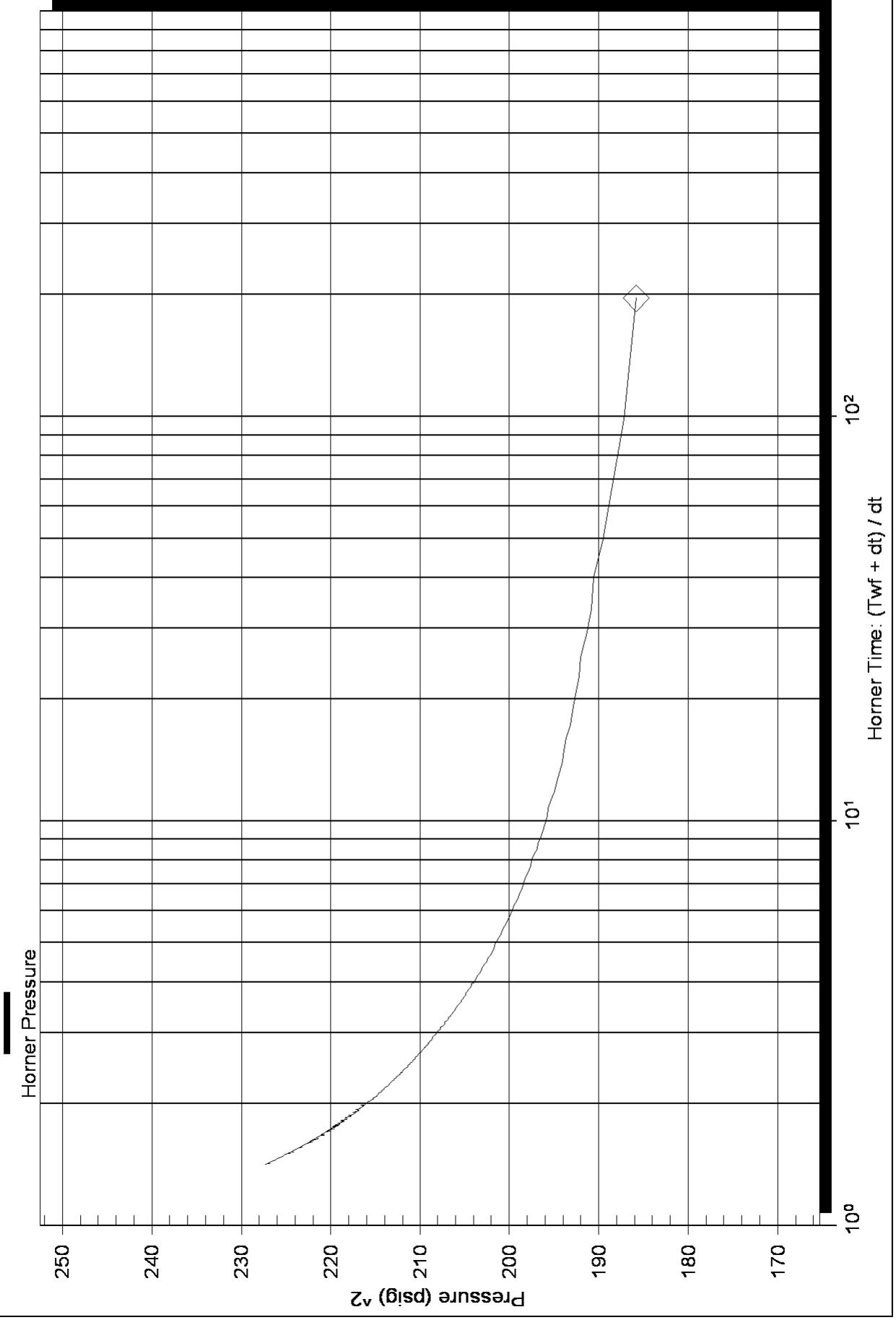
Slope (m) : kpa/log cycle

P* :

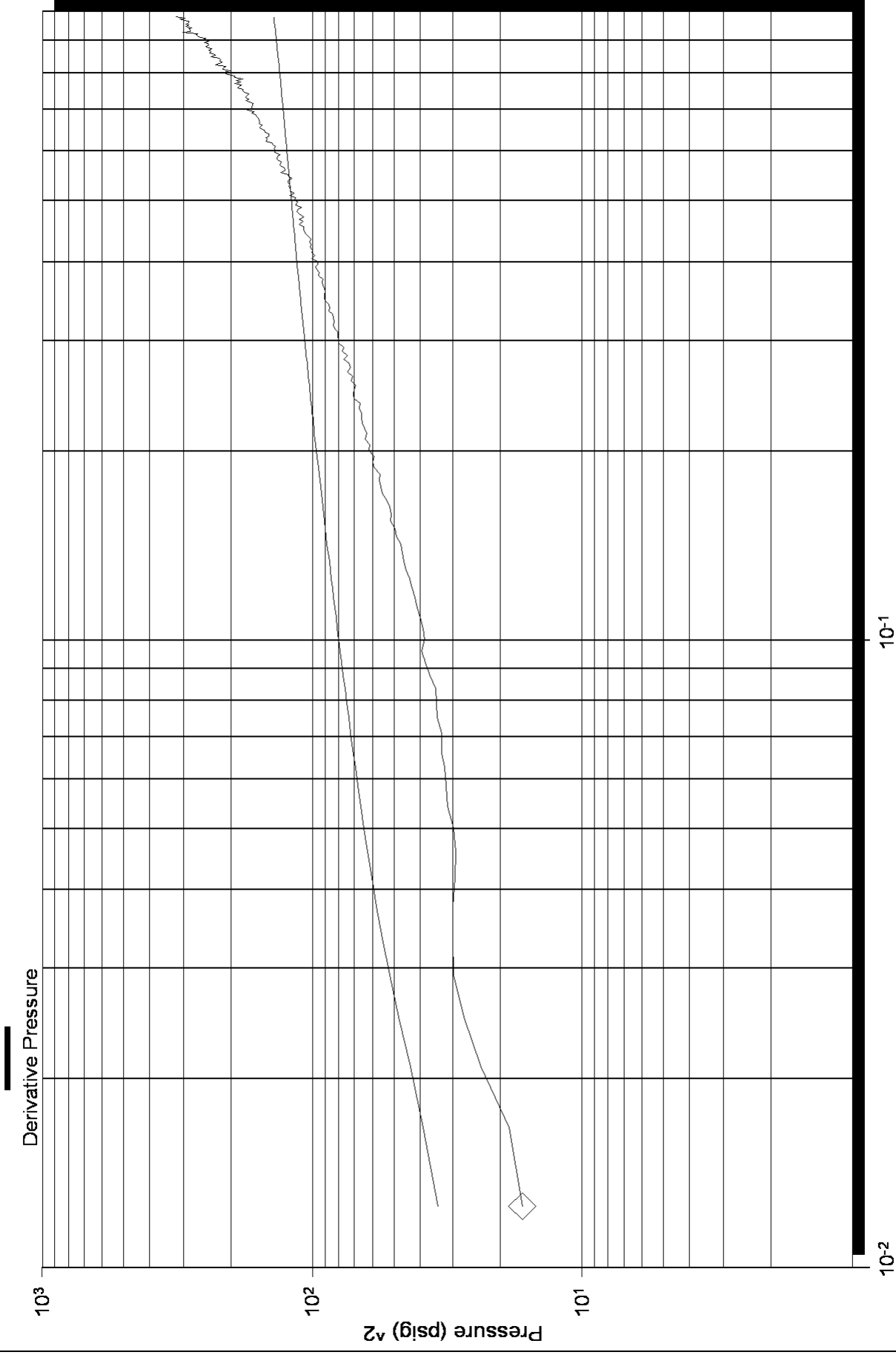
Serial Number: 8673 (Inside)

Flow Cycle: 1

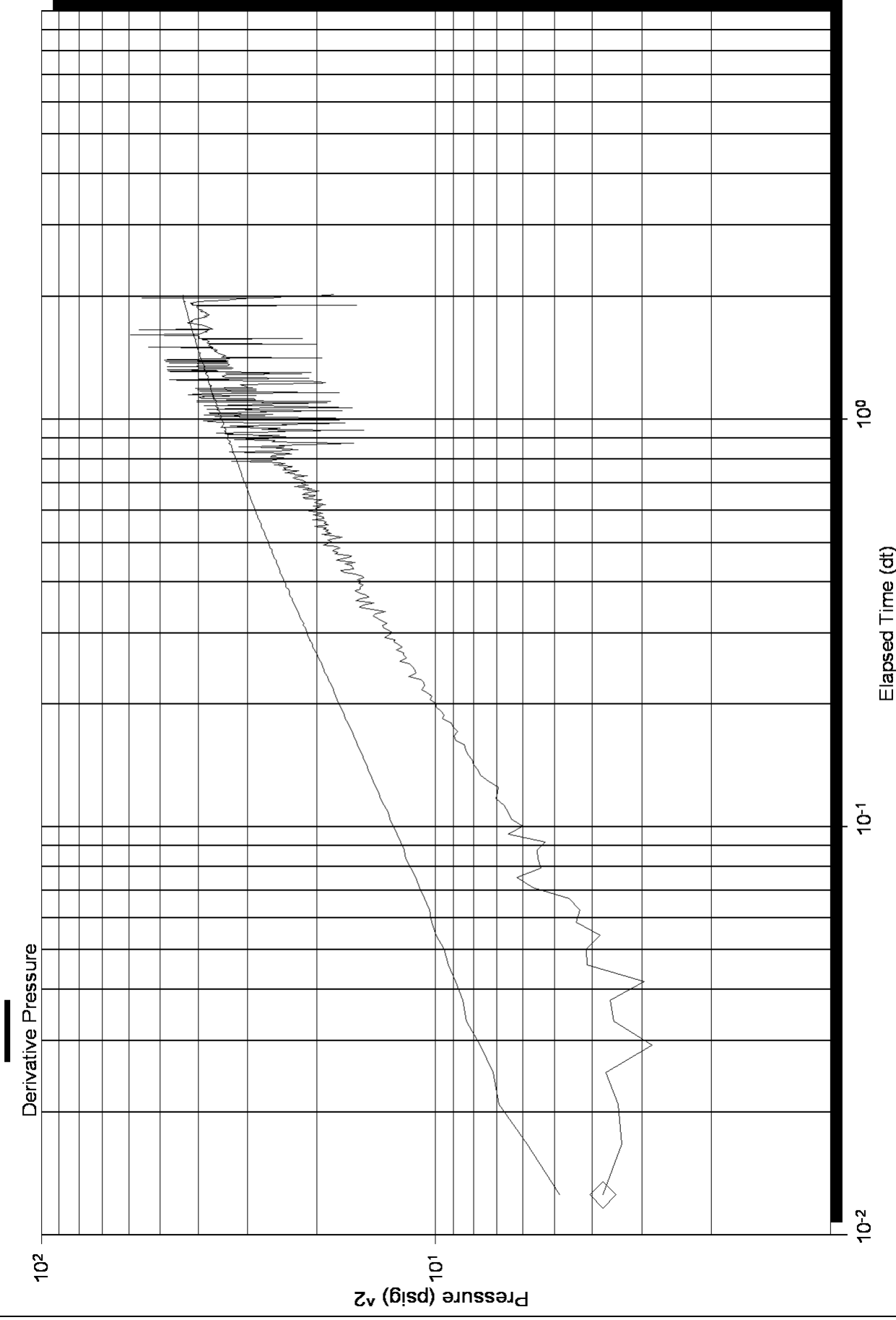
Homer Plot

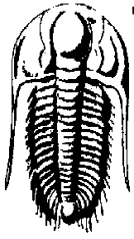


Log-Log and Pseudo-Log-Derivative



Log-Log and Pseudo-Derivative





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43535

DST#: 3

Test Start: 2011.07.05 @ 20:44:53

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:23:23

Time Test Ended: 01:58:23

Test Type: Conventional Straddle (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: 3459.00 ft (KB) To 3499.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3644.00 ft (KB) (TVD)

1943.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8673

Inside

Press @ RunDepth: 762.67 psig @ 3464.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.05

End Date:

2011.07.06

Last Calib.:

2011.07.06

Start Time:

20:44:55

End Time:

01:58:23

Time On Btm:

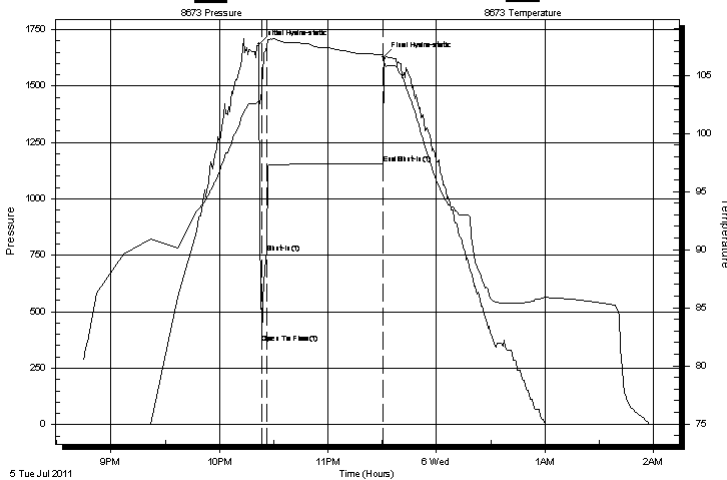
2011.07.05 @ 22:21:53

Time Off Btm:

2011.07.05 @ 23:30:53

TEST COMMENT: IFP-Strong, BOB in 15 Seconds
ISI-Dead, Pull Tool at End of Period

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1684.74	102.72	Initial Hydro-static
2	361.41	104.24	Open To Flow (1)
5	762.67	107.48	Shut-In(1)
69	1153.90	106.81	End Shut-In(1)
69	1629.14	106.35	Final Hydro-static

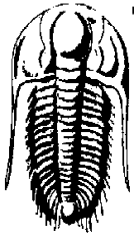
Recovery

Length (ft)	Description	Volume (bbl)
690.00	Muddy Water-90%W-10%M	9.68

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43535

DST#: 3

Test Start: 2011.07.05 @ 20:44:53

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:23:23

Time Test Ended: 01:58:23

Test Type: Conventional Straddle (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: 3459.00 ft (KB) To 3499.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3644.00 ft (KB) (TVD)

1943.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8736 Below (Straddle)

Press @ RunDepth: psig @ 3500.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.05

End Date:

2011.07.06

Last Calib.:

2011.07.06

Start Time: 20:43:40

End Time:

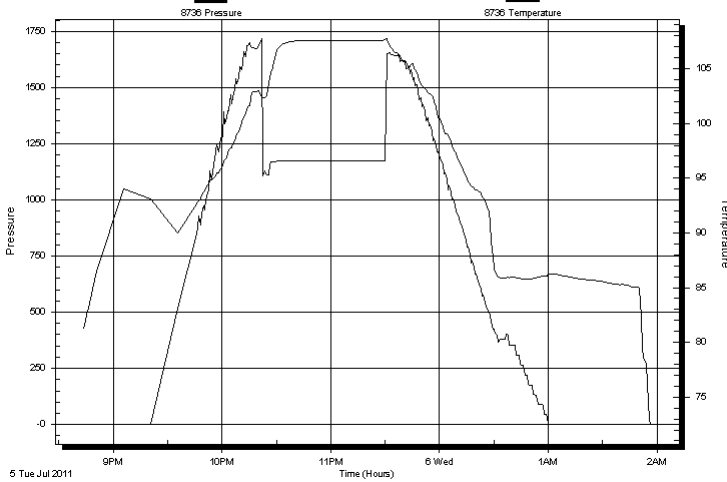
01:56:53

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-Strong, BOB in 15 Seconds
ISI-Dead, Pull Tool at End of Period

Pressure vs. Time



PRESSURE SUMMARY

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

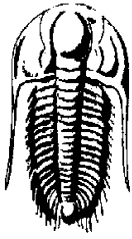
Recovery

Length (ft)	Description	Volume (bbl)
690.00	Muddy Water-90%W-10%M	9.68

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43535

DST#: 3

Test Start: 2011.07.05 @ 20:44:53

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:23:23

Time Test Ended: 01:58:23

Test Type: Conventional Straddle (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: 3459.00 ft (KB) To 3499.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3644.00 ft (KB) (TVD)

1943.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 6755 Fluid

Press @ RunDepth: psig @ 3425.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.05

End Date: 2011.07.06

Last Calib.: 2011.07.06

Start Time: 20:44:01

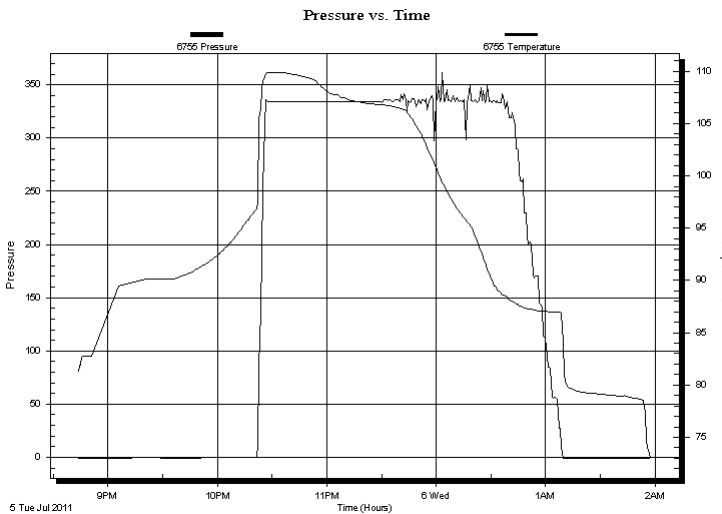
End Time: 01:57:44

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-Strong, BOB in 15 Seconds
ISI-Dead, Pull Tool at End of Period

PRESSURE SUMMARY



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

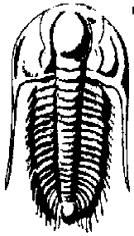
Recovery

Length (ft)	Description	Volume (bbl)
690.00	Muddy Water-90%W-10%M	9.68

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43535

DST#: 3

Test Start: 2011.07.05 @ 20:44:53

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 9.18 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 18500 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
690.00	Muddy Water-90%W-10%M	9.679

Total Length: 690.00 ft Total Volume: 9.679 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler 40#, 3000ml w atery mud 99%W-1%M

Serial #: 8673

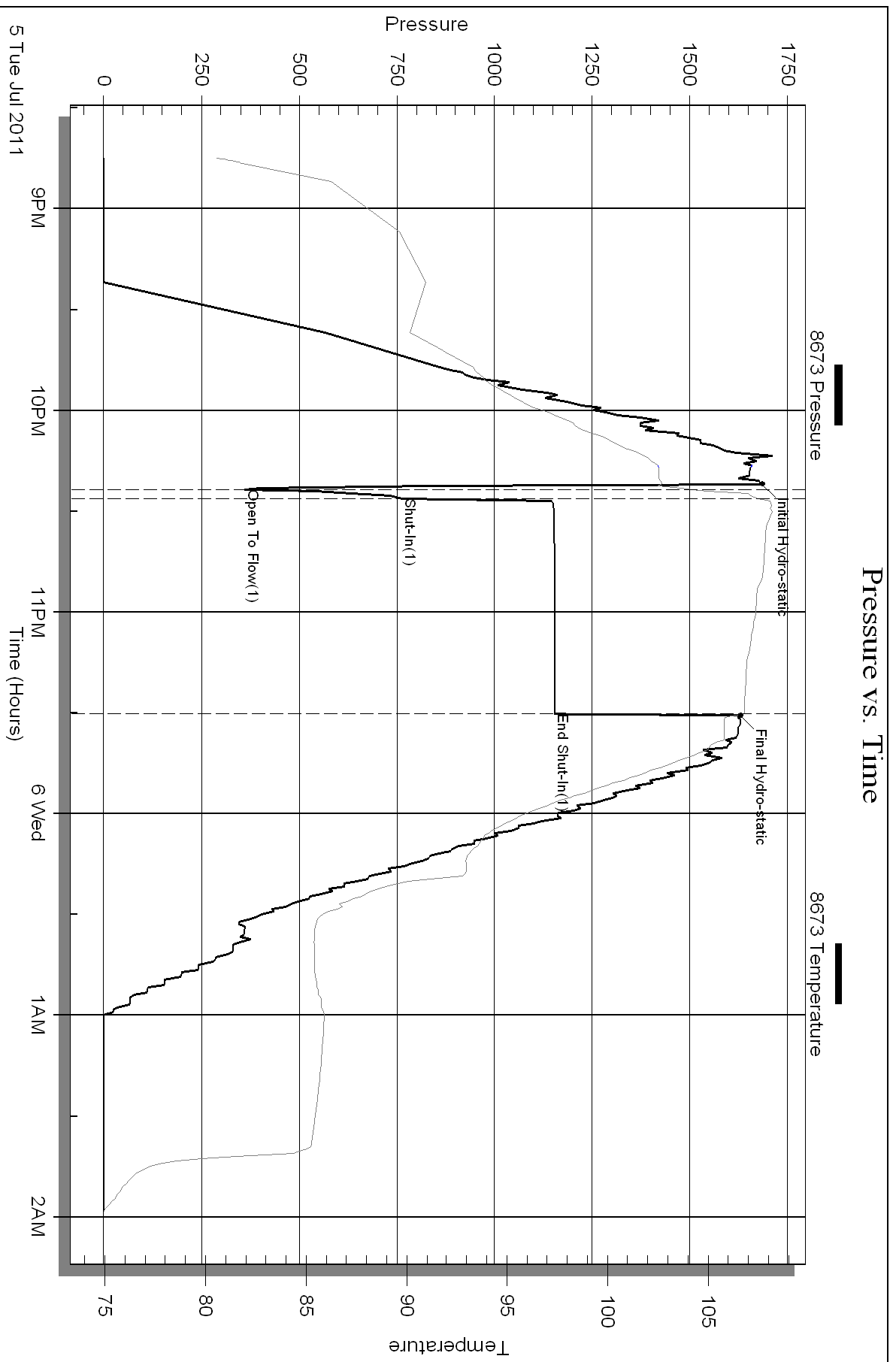
Inside

Sam Gary Jr and Associates

10-16s-16w-Rush

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 43535

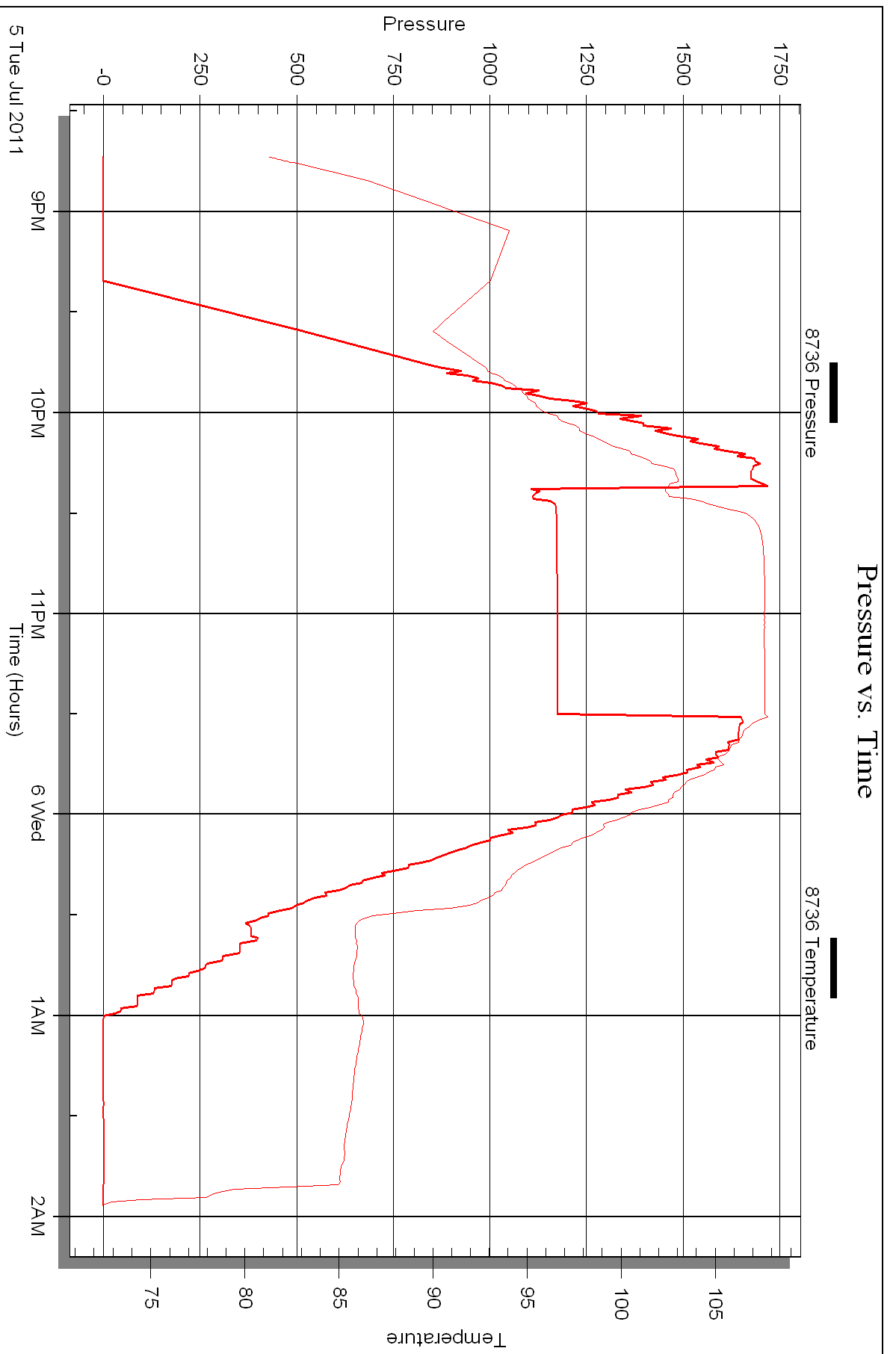
Printed: 2011.07.06 @ 09:25:33

Serial #: 8736

Below (Strathmore) Jr and Associates

10-16s-16w-Rush

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 43535

Printed: 2011.07.06 @ 09:25:33

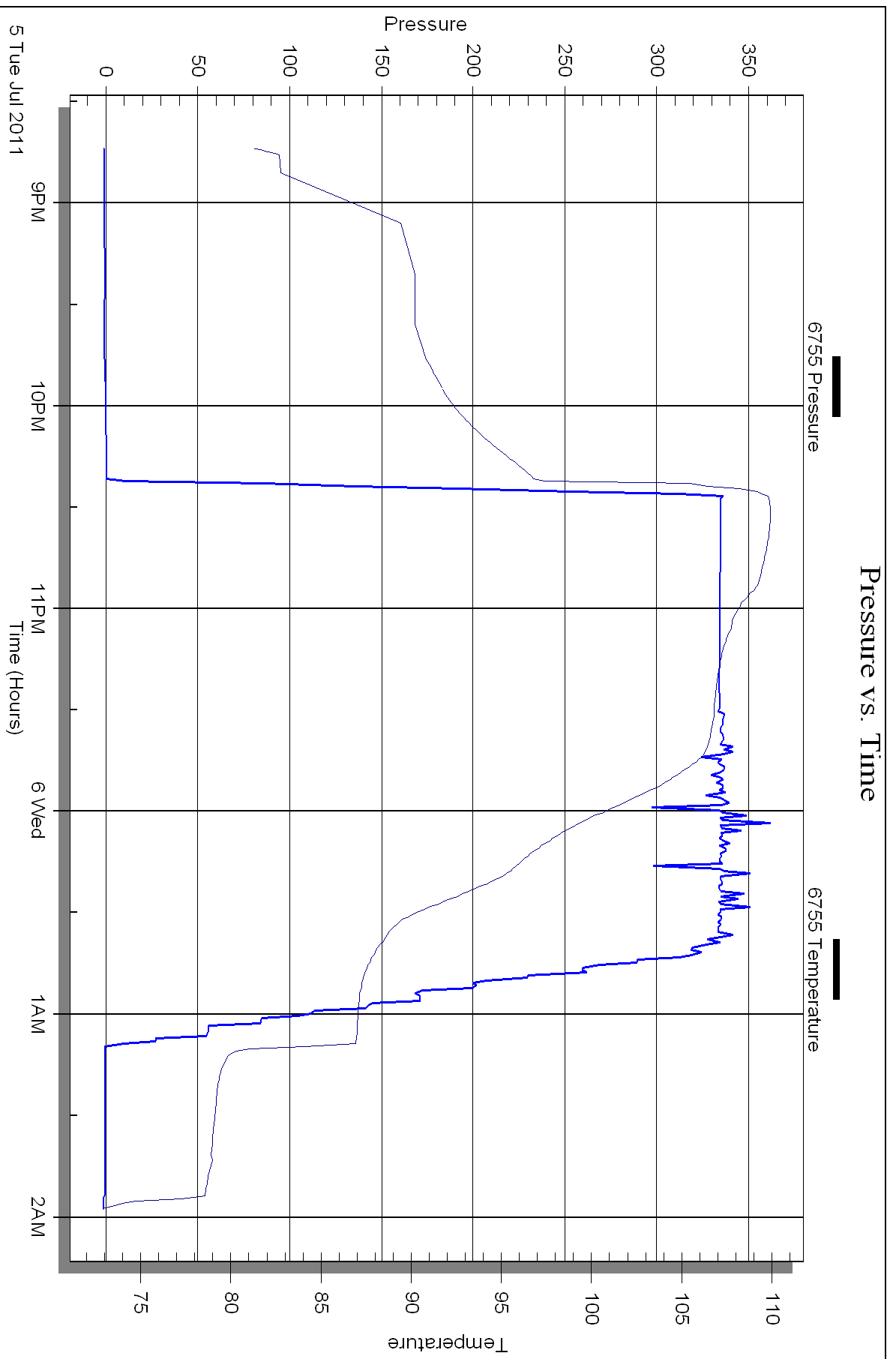
Serial #: 6755

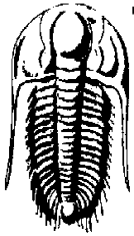
Fluid

Sam Gary Jr and Associates

10-16s-16w-Rush

DST Test Number: 3





TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43536

DST#: 4

Test Start: 2011.07.06 @ 02:48:30

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:38:45

Time Test Ended: 08:41:15

Test Type: Conventional Straddle (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: 3459.00 ft (KB) To 3493.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3644.00 ft (KB) (TVD)

1943.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8673 Inside

Press @ RunDepth: 81.65 psig @ 3464.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.06

End Date:

2011.07.06

Last Calib.:

2011.07.06

Start Time: 02:48:32

End Time:

08:41:15

Time On Btm:

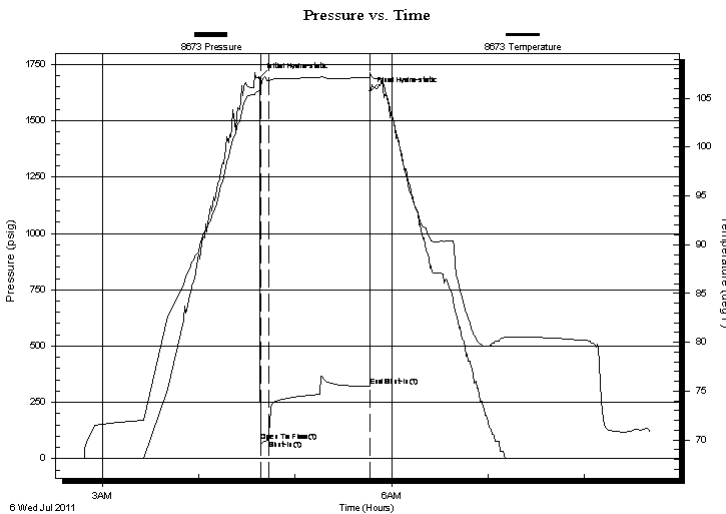
2011.07.06 @ 04:37:45

Time Off Btm:

2011.07.06 @ 05:46:45

TEST COMMENT: IFP-Strong, BOB in 30 Seconds
ISI-Dead, Pull Tool

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1689.57	105.76	Initial Hydro-static
1	75.39	106.11	Open To Flow (1)
6	81.65	106.82	Shut-In(1)
69	323.74	107.11	End Shut-In(1)
69	1629.95	107.65	Final Hydro-static

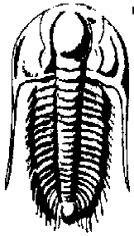
Recovery

Length (ft)	Description	Volume (bbl)
125.00	Mud W/Oil Specks	1.75

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr and Associates

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

Legleiter et al 1-10

10-16s-16w-Rush

Job Ticket: 43536

DST#: 4

Test Start: 2011.07.06 @ 02:48:30

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:38:45

Time Test Ended: 08:41:15

Interval: 3459.00 ft (KB) To 3493.00 ft (KB) (TVD)

Total Depth: 3644.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Straddle (Reset)

Tester: Jason McLemore

Unit No: 54

Reference Elevations: 1953.00 ft (KB)

1943.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6755

Fluid

Press @ Run Depth: psig @ 3425.00 ft (KB)

Start Date: 2011.07.06

End Date:

2011.07.06

Start Time: 02:44:06

End Time:

08:36:19

Capacity: 8000.00 psig

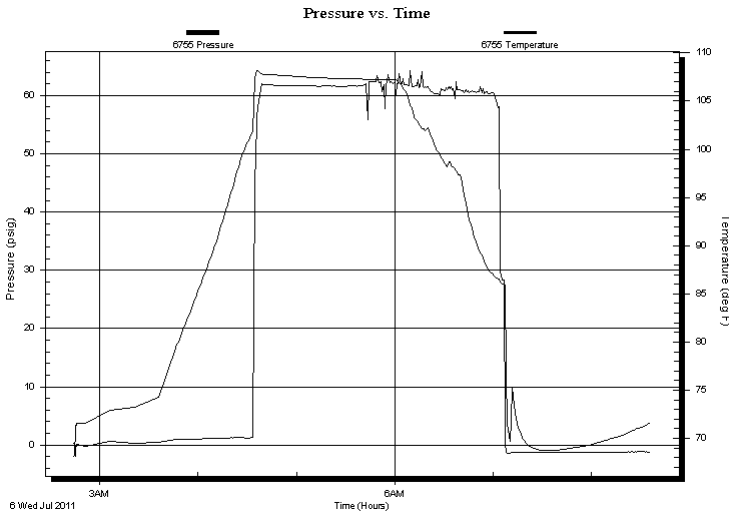
Last Calib.: 2011.07.06

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-Strong, BOB in 30 Seconds
ISI-Dead, Pull Tool

PRESSURE SUMMARY



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

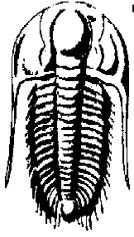
Recovery

Length (ft)	Description	Volume (bbl)
125.00	Mud W/Oil Specks	1.75

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43536 **DST#: 4**

Test Start: 2011.07.06 @ 02:48:30

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:38:45

Time Test Ended: 08:41:15

Test Type: Conventional Straddle (Reset)

Tester: Jason McLemore

Unit No: 54

Interval: 3459.00 ft (KB) To 3493.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3644.00 ft (KB) (TVD)

1943.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8736 Below (Straddle)

Press @ RunDepth: psig @ 3514.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.06 End Date: 2011.07.06

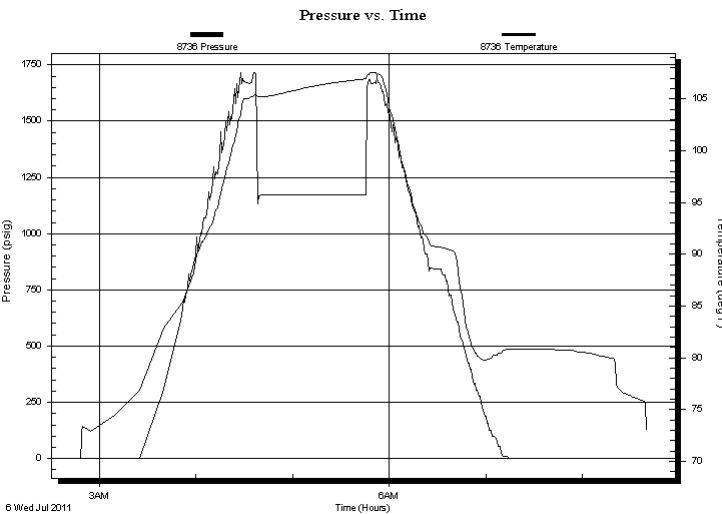
Last Calib.: 2011.07.06

Start Time: 02:47:56 End Time: 08:39:54

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-Strong, BOB in 30 Seconds
ISI-Dead, Pull Tool



PRESSURE SUMMARY

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

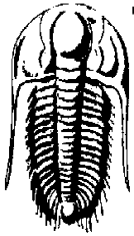
Recovery

Length (ft)	Description	Volume (bbl)
125.00	Mud W/Oil Specks	1.75

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43536

DST#: 4

Test Start: 2011.07.06 @ 02:48:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	Mud W/Oil Specks	1.753

Total Length: 125.00 ft Total Volume: 1.753 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 30#, 3000ml OCWM-20%O-5%W-75%M

Serial #: 8673

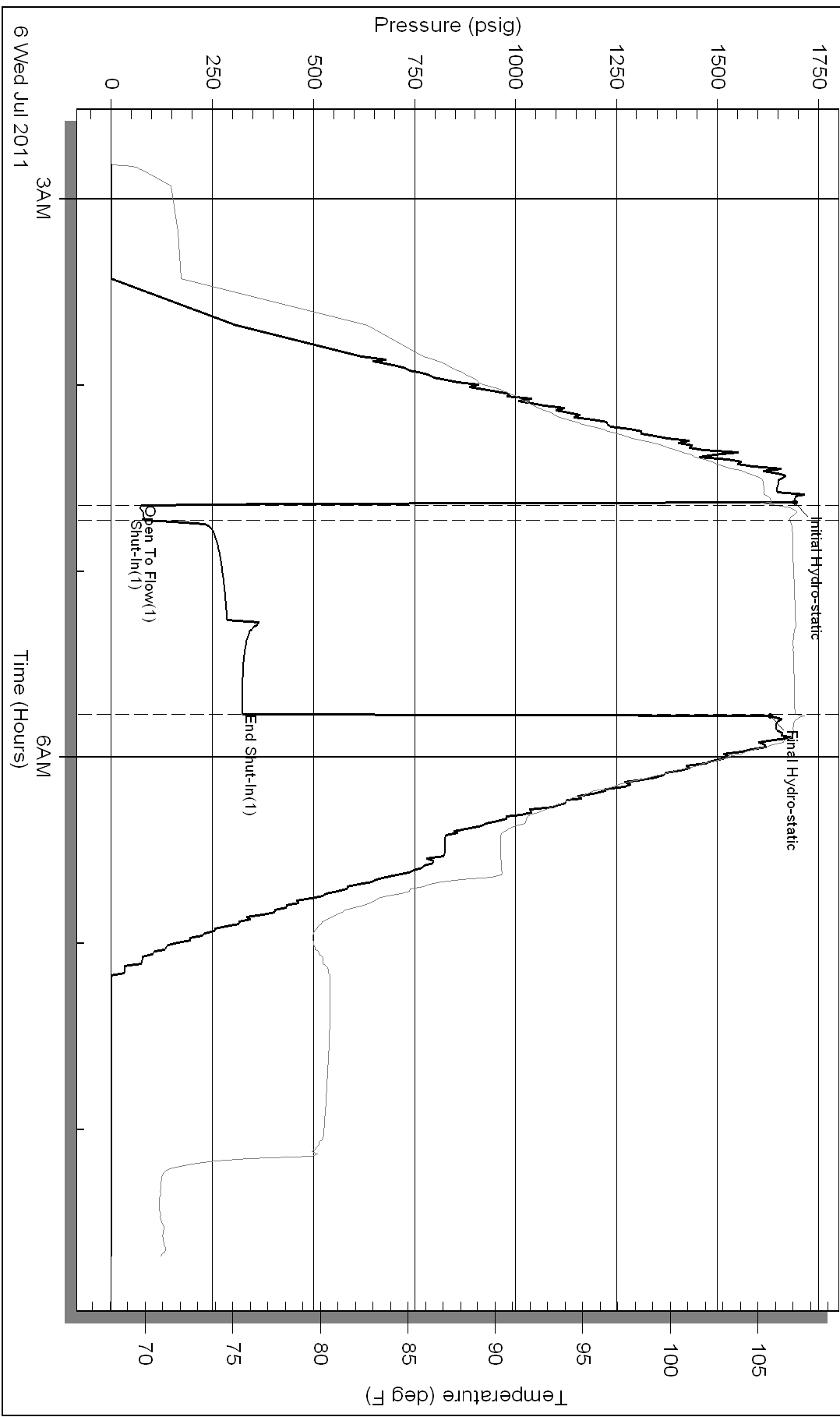
Inside

Sam Gary Jr and Associates

10-16s-16w-Rush

DST Test Number: 4

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 43536

Printed: 2011.07.06 @ 09:22:37

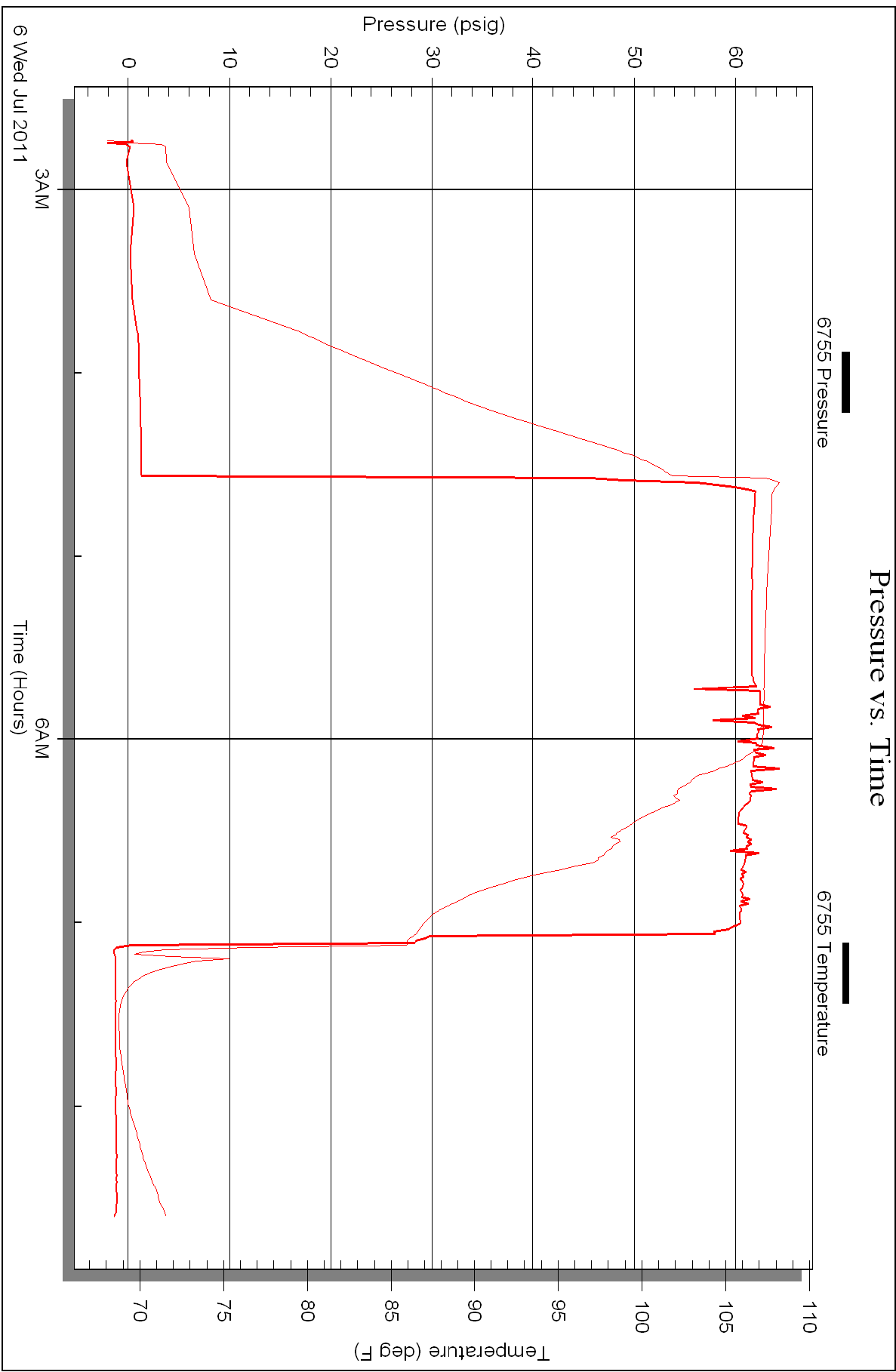
Serial #: 6755

Fluid

Sam Gary Jr and Associates

10-16s-16w-Rush

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 43536

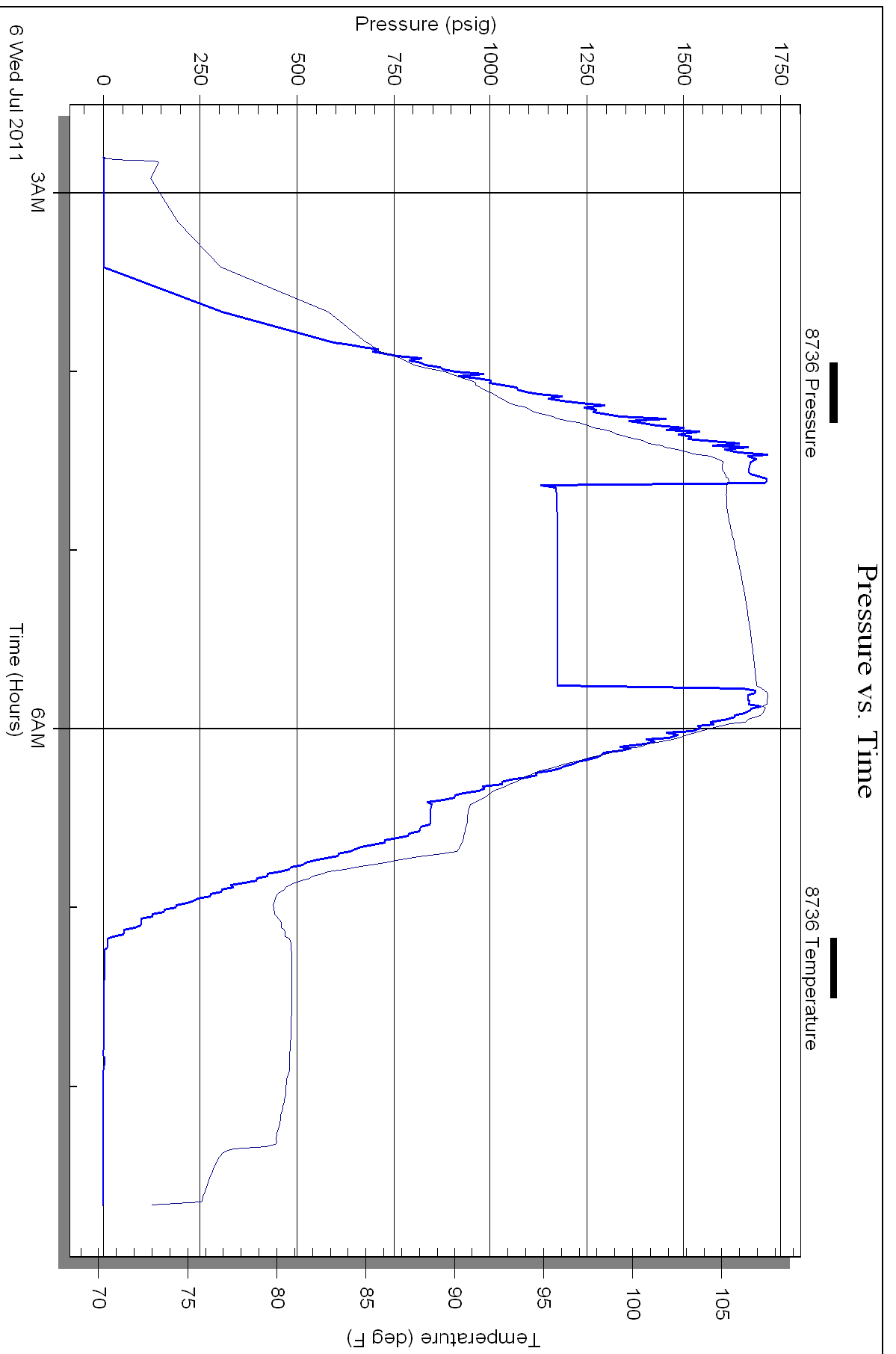
Printed: 2011.07.06 @ 09:22:37

Serial #: 8736

Below (Strathmore) Jr and Associates

10-16s-16w-Rush

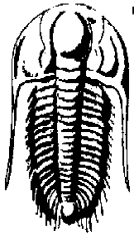
DST Test Number: 4



Triobite Testing, Inc

Ref. No: 43536

Printed: 2011.07.06 @ 09:22:38



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43537

DST#: 5

Test Start: 2011.07.06 @ 15:39:09

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:16:39

Time Test Ended: 20:45:54

Test Type: Conventional Straddle

Tester: Jason McLemore

Unit No: 54

Interval: 3445.00 ft (KB) To 3539.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3644.00 ft (KB) (TVD)

1943.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8673 Inside

Press @ RunDepth: psig @ 3515.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.06

End Date:

2011.07.06

Last Calib.:

2011.07.06

Start Time: 15:39:11

End Time:

20:45:54

Time On Btm:

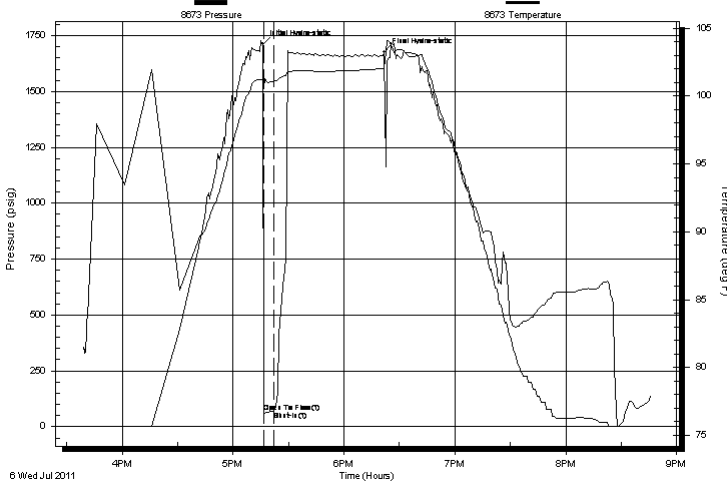
2011.07.06 @ 17:16:09

Time Off Btm:

2011.07.06 @ 18:21:54

TEST COMMENT: IFP-Weak Blow ,Built to 4"
ISI-Dead
FFP-Packer Failure, Pull Tool

Pressure vs. Time



PRESSURE SUMMARY

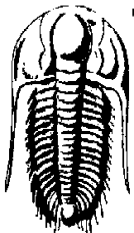
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1710.46	101.24	Initial Hydro-static
1	62.90	100.53	Open To Flow (1)
6	68.86	101.08	Shut-In(1)
66	1676.13	102.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
375.00	Mud W/Oil Scum	5.26

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43537 **DST#: 5**

Test Start: 2011.07.06 @ 15:39:09

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:16:39

Time Test Ended: 20:45:54

Interval: 3445.00 ft (KB) To 3539.00 ft (KB) (TVD)

Total Depth: 3644.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Straddle

Tester: Jason McLemore

Unit No: 54

Reference Elevations: 1953.00 ft (KB)

1943.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8736 Below (Straddle)

Press @RunDepth: psig @ 3546.00 ft (KB)

Start Date: 2011.07.06 End Date: 2011.07.06

Start Time: 15:35:30 End Time: 20:47:28

Capacity: 8000.00 psig

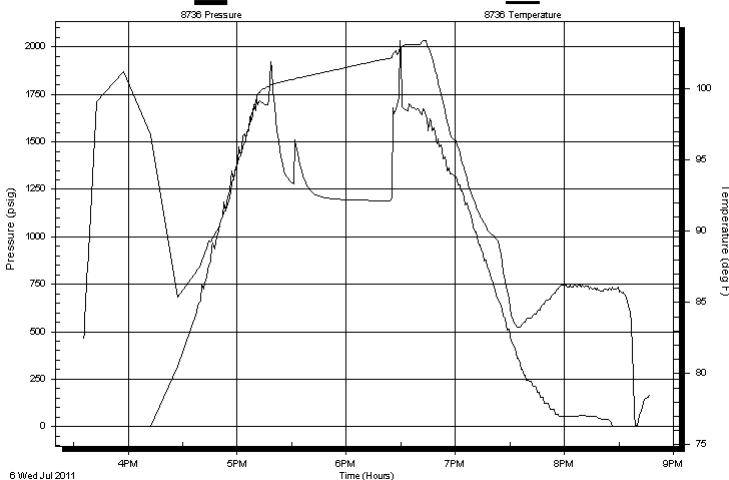
Last Calib.: 2011.07.06

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-Weak Blow ,Built to 4"
ISI-Dead
FFP-Packer Failure, Pull Tool

Pressure vs. Time



PRESSURE SUMMARY

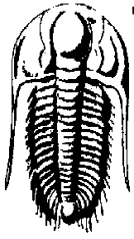
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
375.00	Mud W/Oil Scum	5.26

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43537

DST#: 5

Test Start: 2011.07.06 @ 15:39:09

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
375.00	Mud W/Oil Scum	5.260

Total Length: 375.00 ft Total Volume: 5.260 bbf

Num Fluid Samples: 0

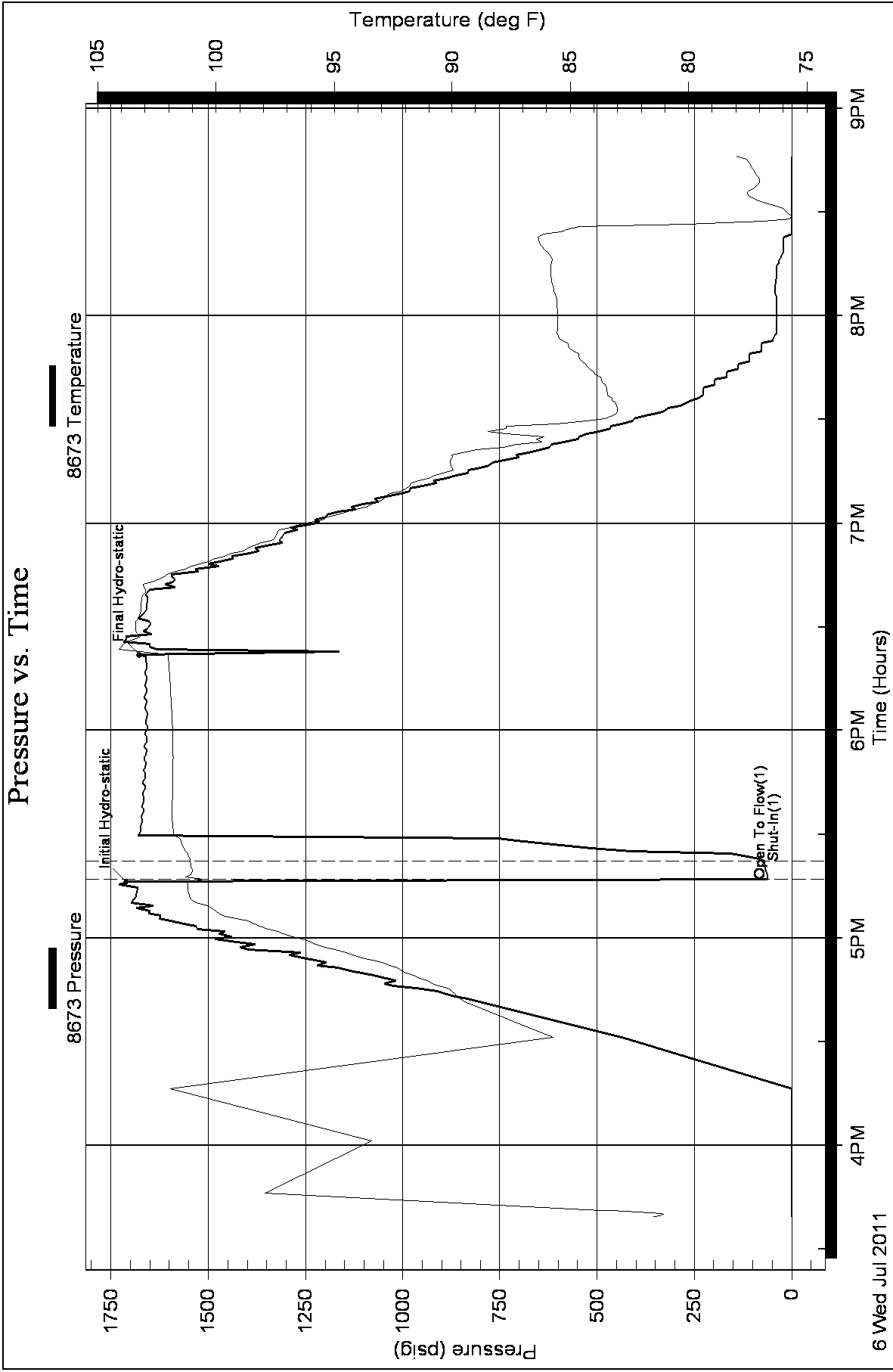
Num Gas Bombs: 0

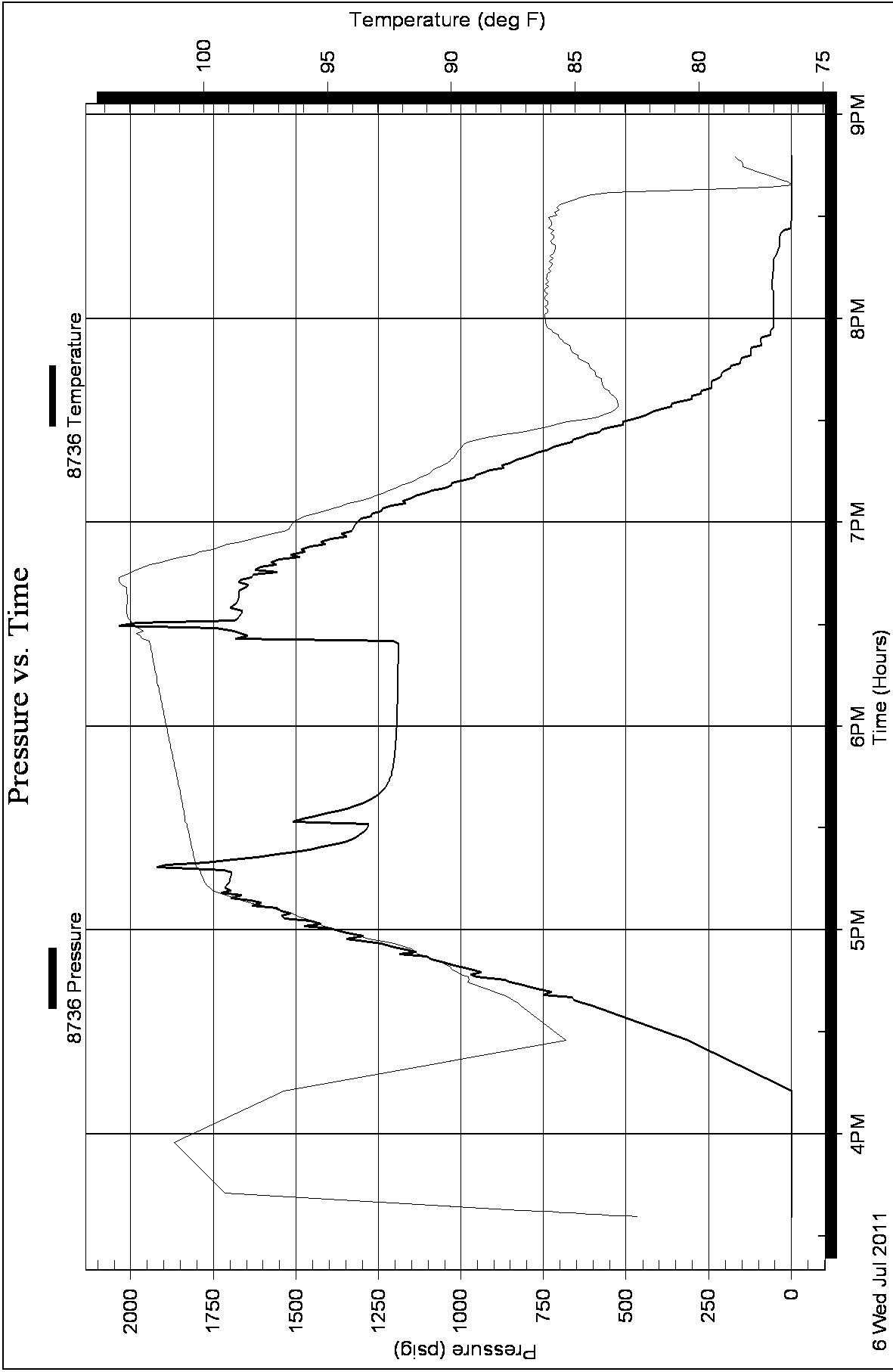
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 10#, 3000ml Mud







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

Well Name: Legleiter et al #1-10
 Location: Sec. 10 16S 16W Rush County Kansas
 License Number: 15-165-21926-0000
 Spud Date: 6/29/11
 Surface Coordinates: 260' from South line/2300' from West line
 Region: Wildcat
 Drilling Completed: 7/04/2011
 Bottom Hole Coordinates:
 Ground Elevation (ft): 1943' K.B. Elevation (ft): 1953'
 Logged Interval (ft): 1700' To: 3650' Total Depth (ft): 3650'
 Formation: Lansing, Arbuckle
 Type of Drilling Fluid:

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Samuel Gary, Jr & Assoc.
 Address: 1515Wynkoop,Suite 700
 Denver, Co 80202
 Company Geo. Neil Sharp

GEOLOGIST

Name: Tim Hedrick
 Company: Earth Tech, OGL, Inc
 Address: P.O. Box 683
 Hooker, Okla. 73945
 Off: 888-543-8378 Cell: 620-482-0035

DST'S

DST#1 3285 TO 3330' 10 60 30 90
 IF- WK SRFC BLOW/ ISI- NB/ FF- WK SRFC BLO DIED IN 1 MIN./ FSI- NB
 IH- 1608, FH- 1618/ IF-16 TO 21, FF- 21 TO 24/ ISI-1033, FSI-1000.
 RECOV.- 11' MUD W/ SCUM OIL, BHT 106 DEG., CHL 4,000
 SAMPLER- 45#, 2000 ML M. W/ SCUM OIL

DST#2 3445 TO 3496' 10 60 40 120
 IF- BOB I MIN./ ISI-BLT TO 4"/FF- BOB IN 8 MIN./FSI-BLT TO 3/4", DIED IN 45MIN.
 IF- 1762, FH- 1650/ IF- 127 TO 139, FF-157 TO 184/ ISI-278, FSI- 227/
 RECOV.- 375' TF, 315' FREE OIL 10% G, 90% O./ 60' OCM, 75% O., 25% M.,BHT 108 DEG @ 32GR./ CHL 4,000
 SAMPLER 100#, 3000 ML GASSY OIL 15% G., 85% O.



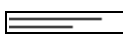
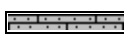
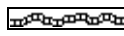



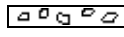



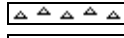

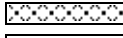




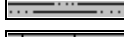


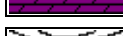
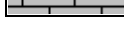

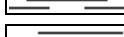



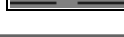
DST's Report

DST#3 STRADDLE- 3459-3499 5 60 PULL TOOL
 IF- BOB 15 SEC/ ISI NB/ FF- PULL TOOL
 IH- 1684, FH- 1629/ IF-361 TO 763/ ISI- 1154
 RECOV- 690' MUDDY WATER,
 SAMPLER-40#, 3000 ML MSW
 BHT 107 DEG./ CHL 18,500, PIT CHL. 5,000

DST#4 STRADDLE 3459- 3493'- 5 60 PULL TOOL
 IF- BOB IN 30 SEC/ ISI- NB / PULL TOOL
 IH- 1689, FH- 1630/ IF- 75 TO 82/ ISI 324
 RECOV.- 125' TF 100% M W/ OIL SPCKS
 SAMPLER- 30#, 3000 ML OCMW, 20% O., 5% W.,75% M.
 BHT 107 DEG./ NO CHLORIDES NOTED

DST#5 STRADDLE 3445'-3539' 0,1,60,66
 IF- WEAK BLOW, BUILT TO 4", FF- DEAD
 FF- PACKER FAILURE, PULL TOOL
 IH- 1710.46, OPEN TO FLOW- 62.90, SHUT-IN- 68.86, FH- 1676.13

ROCK TYPES

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

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brefracg
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Slty

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram

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

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandyms
- Sh
- Sltstn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang

- Angular

OIL SHOWS

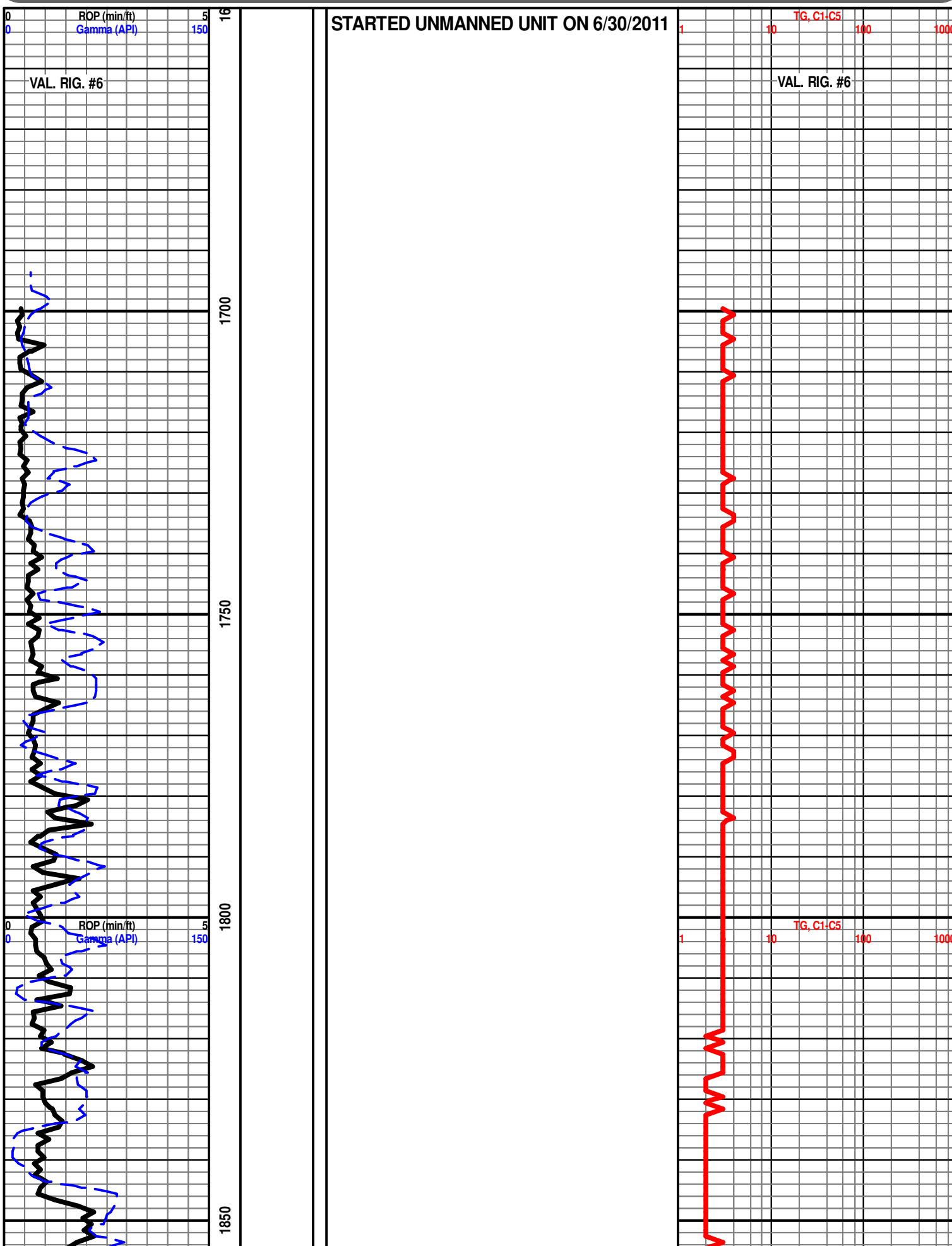
- Even
- Spotted
- Ques
- Dead
- Gas show

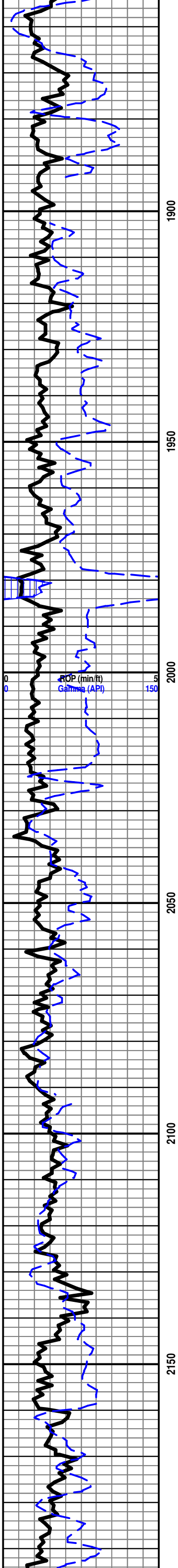
INTERVALS

- Core
- Dst
- Dst

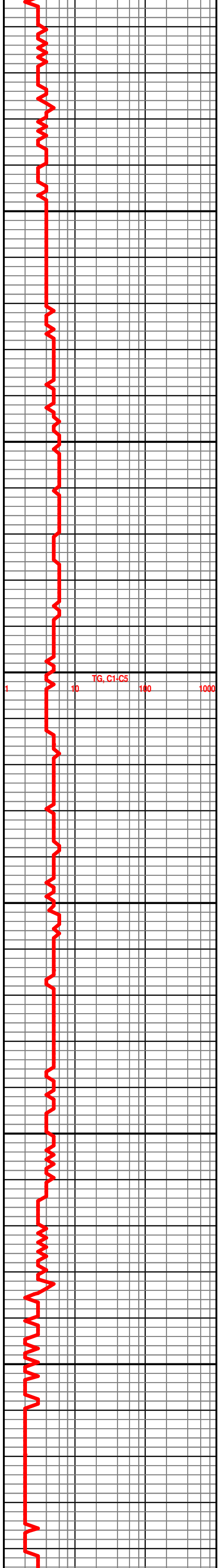
EVENTS

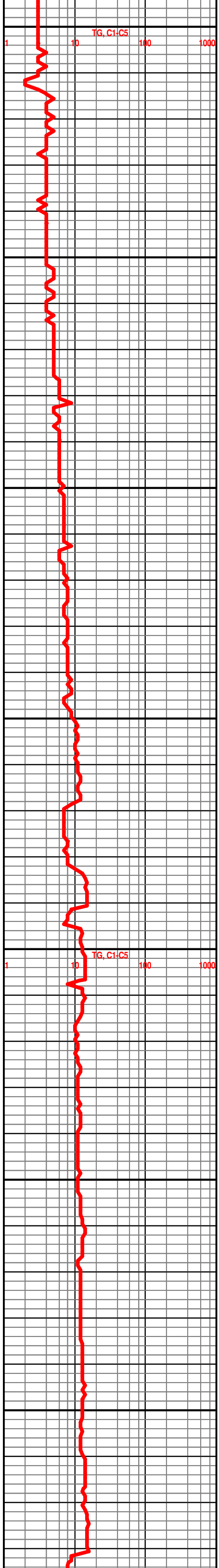
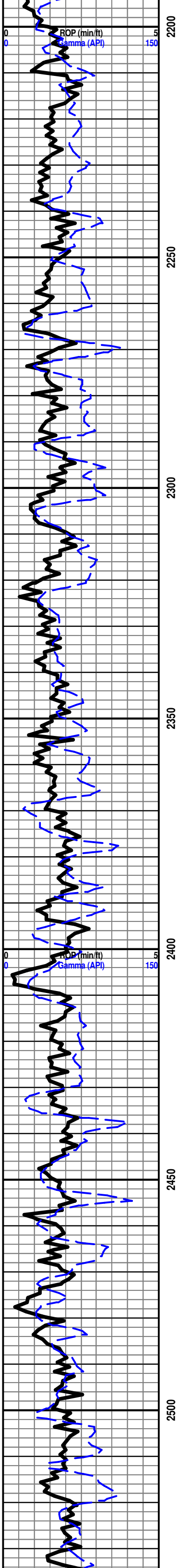
- Rft
- Sidewall

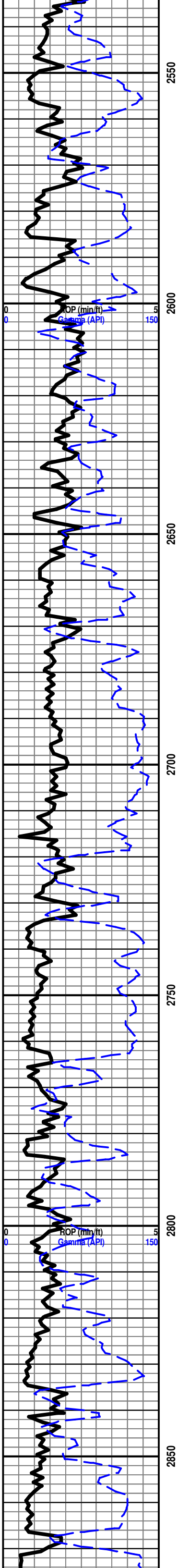




2150 2100 2050 2000 1950 1900

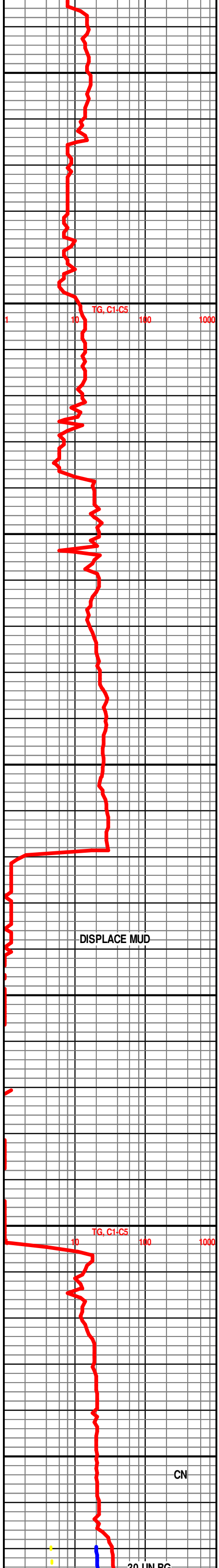


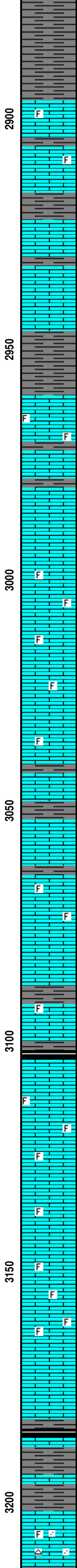
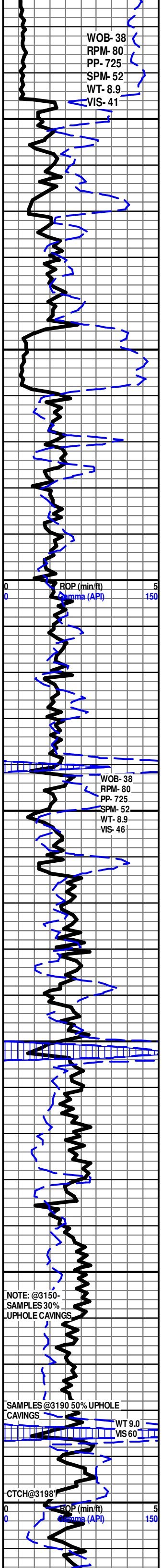




BASE ROOT SHALE @ 2712' -759'

START MANNED UNIT 7/02/2011





SH- GRY TO DK GRY, FRM, SMTH BLKY

HOWARD 2896' -943'

LS- CRM BUFF LT TN TO TN, HD DNS BRITT, FN TO MD XLN, REXLN MTRX SCAT THRU, SLI TR SUCRO TXT SCAT IP, V/SLI TR SFT WHT CHLK IP, SLI TR IMBD FOSS FRAGS IP, IMBD CALC XLS SCAT THRU, TR IMBD GRY SH IP, DLL YEL MIN FLO IN 20%, NO VIS POR, NO VIS SHOW

SH- GRY TO DK GRY, FRM, SMTH BLKY

LS- CRM LT TN TO TN, HD DNS TO BRITT, MD XLN TO REXLN MTRX IP, IMBD CALC XLS IP, IMBD GRY SH SCAT IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SEVERY 2946' -993'

SH- GRY TO DK GRY, FRM TO TR SFT, BLKY

TOPEKA 2959' -1006'

LS- CRM LT TN TO TN, STAIN IN 45%, HD DNS TO BRITT, FN TO MD XLN, REXLN MTRX, SUCRO TXT SCAT IP, IMBD CALC XLS THRU, IMBD FOSS FRAGS IP, DLL TO BRITT YEL FLO IN 25%, FR MICRO PP TO TR FR INTR-XLN POR, GD FLUSH CUT THRU TO GD STRONG MLKY BLUE STREAM IN 15%, FR TO PR OIL ODOR

LS- CRM LT TN LT GY- SLI MOTT, HD DNS TO TR BRITT, MD-XLN TO V/ TT S-SUCRO MTRX IP. TR IMBD SH IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM BFF- HD DNS TO BRITT, MD-XLN RE-XLN MTRX FOSS FRGS IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

LS- LT TN LT GY GY- HD DNS TO BRITT, MOTT, V/ CRS SUCRO MTRX, TR FOSS FRGS IP, NO FLO TO TR BRIT YEL GLD FLO IP, PR VIS MICRO PP TO TR MICROVUG POR IP, WK FLSH CUT TO WK SLO STRM CUT IN ONE ROCK

LS- CRM LT TN LT GY - HD DNS F-XLN TO V/F-XLN , W/ HVY TR ABDT SMLL CALC XLS ON ONE FACES OF ROCK, HVY TR IMBD SH IP, NO FLO, NO VIS POR, NO VIS SHOW

LeCOMPTON 3063' - 1110'

LS- CRM LT TN TN- HD DNS TO BRITT, MD-F-XLN RE-XLN MTRX, FOSS FRGS THRU, NO FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN LT GY- HD DNS TO BRITT, MD-F-XLN RE-XLN MTRX, V/ FOSS , V/ ARG TO SHLY IP, NO FLO, NO VIS POR, NO VIS SHOW

SH- LT GY TO LT BRN- FRM BLKY IP TO BRN SFT CARB

LS- CRM LT TN TN LT GU IP, HD BRITT, MD-XLN RE-XLN MTRX, FOSS FRGS IP, SMLL CALC XLS IMBD IP, LT YEL MIN FLO IP TO NO FLO , NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM, MD HD TO SFT, V/ SUCRO S-CHLKY MTRX, TO V/ CHLKY IP, TR FOSS FRGS IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN- HD DNS BRITT, MD-F-XLN RE-XLN MTRX, V/ FOSS IP, SMLL CALC XLS IMBD THRU, NO FLO TO TR LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

NOTE: @3150- SAMPLES 30% UPHOLE CAVINGS

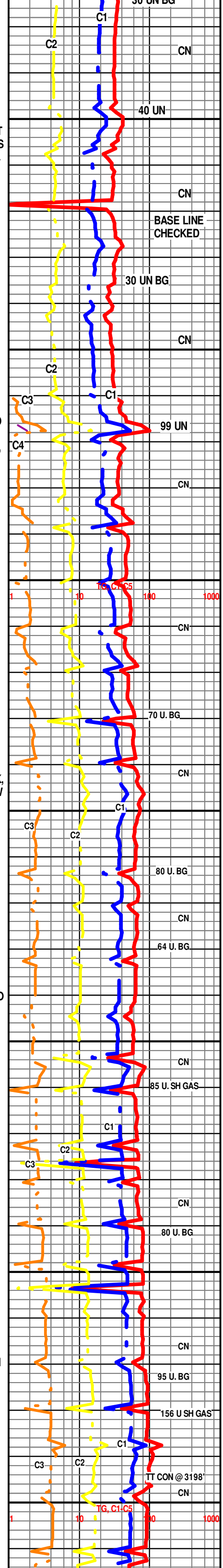
LS- OFF WHT CRM- HD DNS TO BRITT IP, F-XLN IP TO SLI SUCRO IP

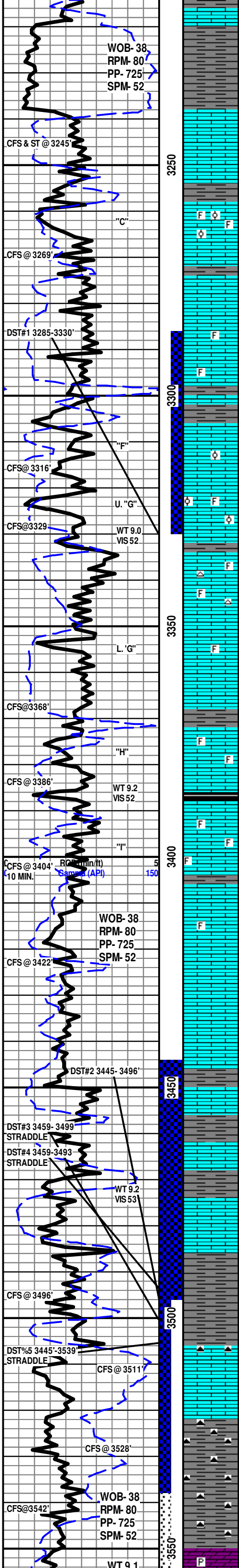
HEEBNER 3183' - 1230'

SAMPLES @3190 50% UPHOLE CAVINGS

SH- LT GRY TO LT GRN- FRM BLKY SMTH TXT, ABDT UPHOLE RED SH

LS- OFF WHT WHT- HD BRITT, V/ SUCRO MTRX TO MD-XLN IP, ABDT IMBD SMLL QURTZ GRNS , TR FOSS FRGS , HVY TR IMBD SFT WHT CHLK, TR TN CHRT, LT BRIT YEL MIN FLO IP, NO VIS POR, NO VIS CUT OR





DOUGLAS 3219' - 1266'
SH- LT GRY TO GRN- FRM BLKY IP TO V/ SFT SLI SLTY IP

LANSING 3239' - 1286'
LS- OFF WHT TO CRM BFF- HD TO MD HD, V/ TT SUCRO MTRX TO F-XLN IP, SLI TR CALC XLS IP, SLI TR WHT CHLK, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN- (TN STN IN POR 60%) HD V/ BRITT, MD-F-XLN RE-XLN MTRX, SMLL OOL SCAT THRU, IMBD FOSS FRGS THRU, HVY TR SFT WHT CHLK IP, BRIT YEL GLD FLO, FR TO GD VIS INTER-FOSSAND INTER-XLN POR IN 60%, V/ GD FL SH CUT TO V/ GD SLO STRM MLKY BLU CUT, GD OIL ODOR

3290-3292- LS- LT TN TN (TN STN IN POR) HD DNS TO BRITT, MD-F-XLN RE-XLN MTRX, FOSS FRGS SCAT THRU, SMLL CALC XLS IMBD IP, LT BRIT YEL GLD FLO THRU, V/ PR VIS MICROVUG POR IP, FR VIS FL SH TO FR SLO STRM CUT, FR OIL ODOR

SH- LT GRN , V/ SFT SLTY

LS- LT TN TN-HD DNS (LT TN STN IP) F-V-F-XLN RE-XLN, V/FOSS , V/ SMLL IMBD OOL, BRIT YEL GLD SPTTD FLO IP, WK FL SH CUT , PR SLO STRM CUT, GD OIL ODOR, NO LCH ON DISH

3221- 3224' LS- LT TN TN (OIL STN IN 70%) HD DNS TO V/ BRITT, MD-F-XLN F-XLN IP V/ RE-XLN MTRX, TR IMBD FOSS FRGS , TR IMBD SCAT MICRO OOL, BRIT YEL GLD FLO IN 70% DLL YEL GLD IN 10%, FR TO GD VIS SCAT MICRO VUG POR , FR TO GD SCAT INTER-XLN POR , SMALL CALC XLS IN POR. EXCEL FL SH TO V/ GD STRNG SLO STRM CUT, STRNG OIL ODOR , TN LCH ON DISH

LS- CRM BFF- HD DNS F-V-F-XLN RE-XLN IP, FOSS FRGS IMBD THRU, TR TN BRN CHRT, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

3353 -3355 LS- LT TN TN(ONE ROCK 100% STN) HD V/ BRITT, V/ SUCRO MTRX, ABTD IMBD SMLL CALC XLS THRU, TR PHNTM FOSS FRGS IP, BRIT YEL GLD FLO THRU, PR TO FR VIS INTER-XLN PP POR, SCAT PR TO FR MICROVUG POR, NO FL SH TO FR SLO STRM CUT, FR OIL ODOR

SH- LT GY TO V/ LT GRN, FRM IP TO V/ SFT GMMY TXT IP

LANSING "H" 3374' - 1421'
LS- OFF WHT WHT- MD HD TO SFT, V/ SUCRO S-CHLKY MTRX TR FOSS FRGS IMBD THRU , HVY TR ABTD SFT WHT CHLK, NO FLO, NO VIS POR, NO VIS SHOW

SH- BLK SFT CARB

3396 LS- OFF WHT CRM LT TN (LT TN STN IP SCAT) HD DNS MD-F-XLN RE-XLN MTRX, V / FOSS IP, TR SMLL CALC XLS IMBD IP, LT BRIT YEL GLD FLO IN 20%, BRIT YEL MIN FLO IN 50%, NO VIS POR TO TR SCAT V/ PR INTER-XLN POR IP, FR FL SH CUT TO FR SLO STRM CUT IN 20%, NO ODOR , NO LCH

LS- OFF WHT CRM BFF- MD HS , V/ SUCRO S-CHLKY MTRX, TR FOSS IP GRNG TO ABTD SFT WHT CHLK, LT BRIT YEL MIN FLO IP, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM BFF- HD DNS TO BRITT, MD-XLN TO F-XLN, SLI RE-XLN IP, HVY TR SFT WHT CHLK IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TN- HD DNS TO BRITT, F-XLN RE-XLN MTRX, TR FOSS FRGS IP , TR IMBD CALC XLS IP, HVY TR ABTD SFT WHT CHK IP, NO FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT CRM- MD HD TO SFT IP, V/ SUCRO S-CHLKY TO CHLKY MTRX, NO FLO, NO VIS POR, NO VIS SHOW

SH- DK GY DK GRN- FRM BLKY SMTH TXT TO GRNYIP

BKC 3457' - 1504'
SH- RED DK GY- FRM BLKYIP TO V/ SFT GMMY TXT

3475-3480 LS- CRM LT TN TN- HD DNS MD-F-XLN SLI RE-XLN IP, LT YEL MIN FLO, NO VIS POR, NO VIS SHOW

3479- 3484' LS- TN BRN DK BRN (BRN OIL STN IN 80%) HS V/ BRITT, F-XLN MD-XLN RE-XLN MTRX, ABTD IMBD SMLL CALC XLS CLSTRS IP TO TR MD CALC XLS IMBD, TR FOSS IP, TR DOS ON SME CALC XLS, BRIT YEL GLD FLO IN 80%, GD TO V/ GD SCT VIS MICRO VUG TO VUG POR THRU, GD VIS INTER-XLN POR IP , EXCEL INST FL SH CUT TO EXCEL SLO STRM MLKY BLUE CUT, DK TN LCH ON DISH, V/ LT OIL ODOR

SH- RED DK RD - V/ SFT GMMY TXT

NOTE : LOTS OF OIL IN MUD AFTER DST#2

3505 - 3514' LS- TN LT TN CRM - HD DNS F-XLN TO CRYTPO-XLN , HVY TR BRN CHRT IMBD IPGRDNG TO SUCRO S-CHLKY IP, NO FLO, NO VIS POR, NO VIS SHOW

SH- RD DK RD, V/ SFT GMMY W/ ABTD IMBD WHT TO TN CHRT THRU

ARBUCKLE 3550' - 1597'
DOLO- WHT OFF WHT- HD DNS IPTO V/ BRITT, V/ CRS SUCRO MTRX, ABTD IMBD SMLL TO MD ANG WHT DOLO GRNS THRU, HVY TR SCAT

