

**ORIGINAL**  
**KANSAS CORPORATION COMMISSION**  
**OIL & GAS CONSERVATION DIVISION**

Form ACO-1  
 June 2009  
**Form Must Be Typed**  
**Form must be Signed**  
 All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 32278  
 Name: Tengasco, Inc.  
 Address 1: PO Box 458  
 Address 2: 1327 Noose Rd.  
 City: Hays State: KS Zip: 67601 + 9744  
 Contact Person: Gary Wagner  
 Phone: ( 7885 ) 625-6374  
 CONTRACTOR: License # 33493  
 Name: American Eagle Drilling LLC  
 Wellsite Geologist: Mike Bair  
 Purchaser: N/A

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SLOW
- 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 #: \_\_\_\_\_

9-1-11	9-8-11	9-10-11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 195-22719-00-00

Spot Description: \_\_\_\_\_  
NE SE SW SE Sec. 14 Twp. 15 S. R. 25  East  West  
360 Feet from  North /  South Line of Section  
1,560 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Trego

Lease Name: Mai B Well #: 1

Field Name: Unnamed

Producing Formation: N/A

Elevation: Ground: 2440 Kelly Bushing: 2447

Total Depth: 4610 Plug Back Total Depth: surface

Amount of Surface Pipe Set and Cemented at: 261 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: 25,500 ppm Fluid volume: 200 bbls

Dewatering method used: Evaporation

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License # **KGC WICHITA**

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**RECEIVED**

**NOV 07 2011**

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

**AFFIDAVIT**

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

Signature: Gary Wagner

Title: Production Manager Date: 11-4-11

**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: Tengasco, Inc. Lease Name: Mai B Well #: 1  
 Sec. 14 Twp. 15 S. R. 25  East  West County: Trego

**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 checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction, Density Neutron/PE, Micro &amp; Sonic</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1895</td> <td>+552</td> </tr> <tr> <td>Heebner</td> <td>3763</td> <td>-1314</td> </tr> <tr> <td>Lansing</td> <td>3804</td> <td>-1356</td> </tr> <tr> <td>BKC</td> <td>4104</td> <td>-1657</td> </tr> <tr> <td>Ft Scott</td> <td>4301</td> <td>-1854</td> </tr> <tr> <td>Cherokee</td> <td>4330</td> <td>-1883</td> </tr> <tr> <td>Mississippi Lime</td> <td>4408</td> <td>-1961</td> </tr> </table>	Name	Top	Datum	Anhydrite	1895	+552	Heebner	3763	-1314	Lansing	3804	-1356	BKC	4104	-1657	Ft Scott	4301	-1854	Cherokee	4330	-1883	Mississippi Lime	4408	-1961
Name	Top	Datum																							
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Cherokee	4330	-1883																							
Mississippi Lime	4408	-1961																							

CASING RECORD <input checked="" 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
Surface	12-1/4"	8-5/8"	23#	261'	Com	180	3% CC, 2% Gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

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 NOV 07 2011  
**KCC WICHITA**

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <b>N/A</b>		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) <b>Dry Hole</b>	PRODUCTION INTERVAL: _____ _____
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# ALLIED CEMENTING CO., LLC. 037356

MAIL TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Great Bend, KS

DATE <u>9-2-11</u>	SEC. <u>14</u>	TWP. <u>15S</u>	RANGE <u>25W</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30am</u>	JOB FINISH <u>6:00am</u>
LEASE <u>Ma; "B"</u>	WELL# <u>1</u>	LOCATION <u>Ness City 25 North to Rd CC</u>			COUNTY <u>Trego</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>West to Rd 160 1 north to west 1/4 to</u>				

CONTRACTOR American Eagle Drilling Co #2 OWNER Tengasco, Inc  
TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>263</u>
CASING SIZE <u>8 3/8</u>	DEPTH <u>261</u>
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>203</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15.67</u>	
PERFS.	
DISPLACEMENT <u>Freshwater</u>	

CEMENT  
AMOUNT ORDERED 180 sa Com 3% oec 2% oel

COMMON <u>180</u>	@ <u>16.25</u>	<u>2,925.00</u>
POZMIX	@	
GEL <u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE <u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>189</u>	@ <u>2.25</u>	<u>425.25</u>
MILEAGE <u>189 x 274.11</u>		<u>561.33</u>

**EQUIPMENT**

PUMP TRUCK # <u>366</u>	CEMENTER <u>Bob R.</u>	HELPER <u>Shane R.</u>
BULK TRUCK # <u>344-170</u>	DRIVER <u>Dustin</u>	
BULK TRUCK #	DRIVER	

**REMARKS:**

Pipe on bottom break circulation with cement  
mix 180 sa com 3% oec 2% oel with 27.90 bbls water  
Cement in @ place with 15.67 bbl Fresh water  
and shut in  
Cement did circulate

TOTAL 4,324.53

**SERVICE**

DEPTH OF JOB <u>261</u>	
PUMP TRUCK CHARGE	<u>1125.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>HUM 54</u>	@ <u>7.00</u> <u>378.00</u>
MANIFOLD <u>HUM 54</u>	@ <u>4.00</u> <u>216.00</u>

RECEIVED @

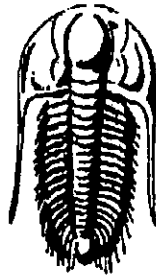
NOV 07 2011 TOTAL 1719.00

**KCC WICHITA  
PLUG & FLOAT EQUIPMENT**

CHARGE TO: Tengasco, Inc  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment  
and furnish cement and helper(s) to assist owner or

	@	
	@	
	@	
	@	
	@	



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Tengasco, Inc.**

PO Box 458  
Hays, KS 67601

ATTN: Mike Baird

**14-15s-25w Trego,KS**

**Mai "B-1"**

Start Date: 2011.09.08 @ 19:05:44

End Date: 2011.09.09 @ 00:38:14

Job Ticket #: 43575                      DST #: 1

**RECEIVED  
NOV 07 2011  
KCC WICHITA**

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Tengasco, Inc.

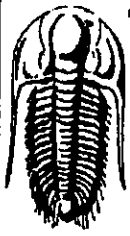
Mai "B-1"

14-15s-25w Trego,KS

DST # 1

Mississippi

2011.09.08



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Tengasco, Inc.

**Mai "B-1"**

PO Box 458  
Hays, KS 67601

**14-15s-25w Trego, KS**

Job Ticket: 43575

DST#: 1

ATTN: Mike Baird

Test Start: 2011.09.08 @ 19:05:44

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock ft (KB)

Time Tool Opened:

Time Test Ended: 00:38:14

Test Type: Conventional Straddle

Tester: Jason McLemore

Unit No: 54

Interval: **4431.00 ft (KB) To 4455.00 ft (KB) (TVD)**

Reference Elevations: 2447.00 ft (KB)

Total Depth: 4610.00 ft (KB) (TVD)

2440.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

**Serial #: 8673** Inside

Press@RunDepth: psig @ 4436.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.08

End Date:

2011.09.09

Last Calib.: 2011.09.09

Start Time: 19:05:46

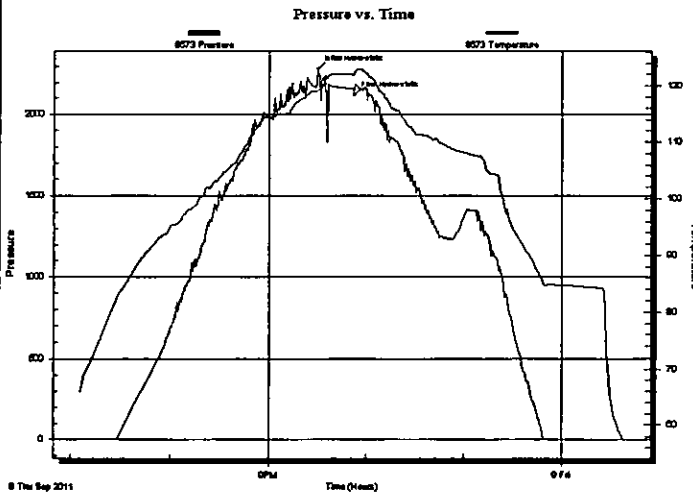
End Time:

00:38:14

Time On Btm 2011.09.08 @ 21:30:14

Time Off Btm 2011.09.08 @ 21:52:29

TEST COMMENT: IFR-Packer Failure, Pull Tool



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2281.35	119.13	Initial Hydro-static
23	2120.52	121.95	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
200.00	Drilling Mud	2.81

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Tengasco, Inc.

**Mai "B-1"**

PO Box 458  
Hays, KS 67601

**14-15s-25w Trego, KS**

Job Ticket: 43575

**DST#: 1**

ATTN: Mke Baird

Test Start: 2011.09.08 @ 19:05:44

### Tool Information

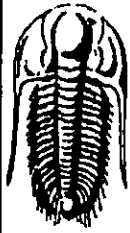
Drill Pipe:	Length: 4415.00 ft	Diameter: 3.80 inches	Volume: 61.93 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 34000.00 lb
			<u>Total Volume: 61.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	4431.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	4455.00 ft			
Interval between Packers:	24.00 ft			
Tool Length:	207.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4404.00	
Shut In Tool	5.00			4409.00	
Hydraulic tool	5.00			4414.00	
Jars	5.00			4419.00	
Safety Joint	2.00			4421.00	
Packer	5.00			4426.00	28.00 Bottom Of Top Packer
Packer	5.00			4431.00	
Stubb	1.00			4432.00	
Perforations	4.00			4436.00	
Recorder	0.00	8673	Inside	4436.00	
Recorder	0.00	6755	Outside	4436.00	
Perforations	15.00			4451.00	
Blank Off Sub	1.00			4452.00	
Blank Spacing	3.00			4455.00	24.00 Tool Interval
Packer	1.00			4456.00	
Perforations	1.00			4457.00	
Change Over Sub	1.00			4458.00	
Recorder	0.00	8736	Below	4458.00	
Blank Spacing	152.00			4610.00	155.00 Bottom Packers & Anchor

**Total Tool Length: 207.00**





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Tengasco, Inc.

**Mal "B-1"**

PO Box 458  
Hays, KS 67601

**14-15s-25w Trego,KS**

Job Ticket: 43575

DST#: 1

ATTN: Mike Baird

Test Start: 2011.09.08 @ 19:05:44

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
200.00	Drilling Mud	2.805

Total Length: 200.00 ft

Total Volume: 2.805 bbl

Num Fluid Samples: 0

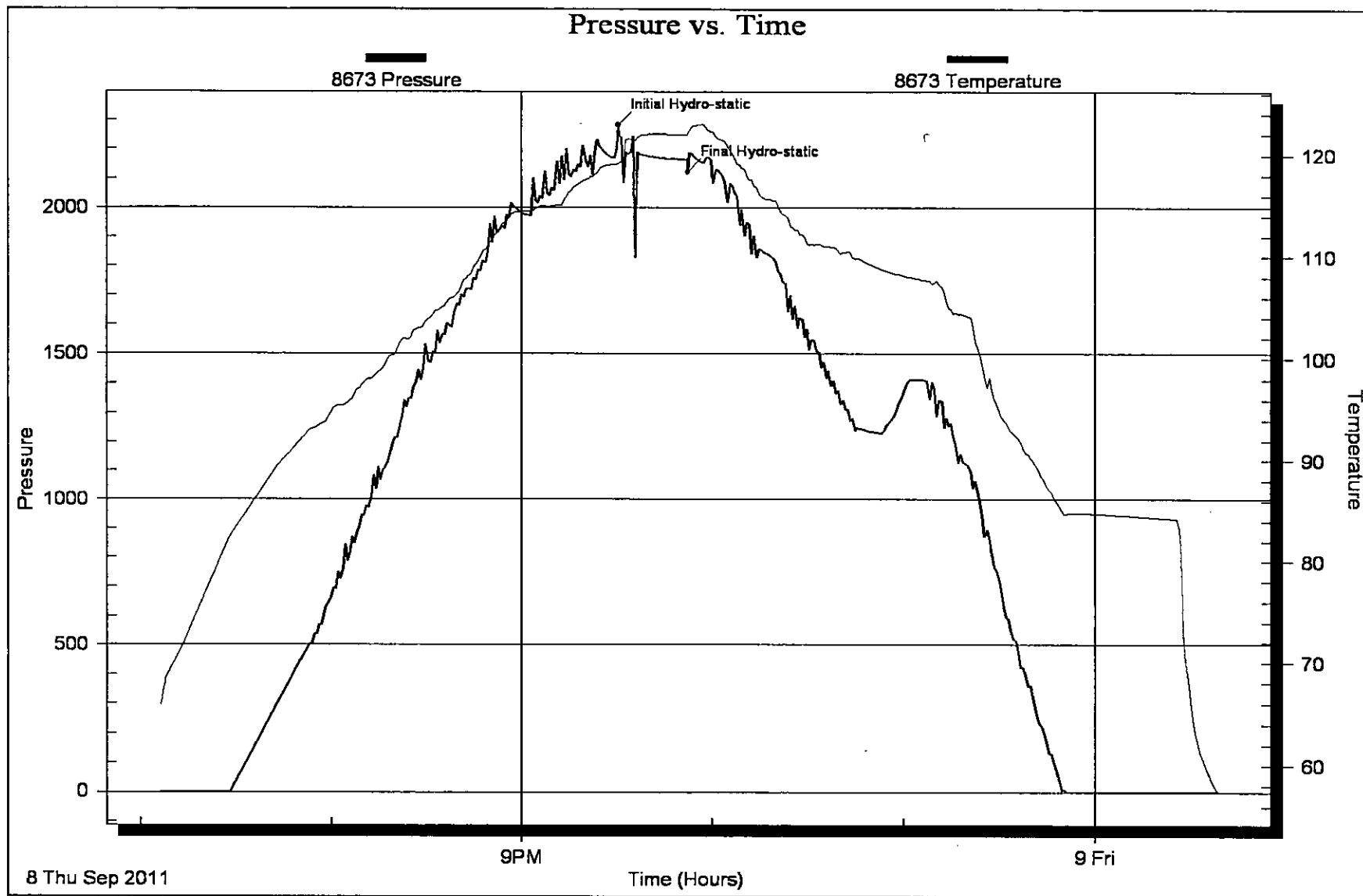
Num Gas Bombs: 0

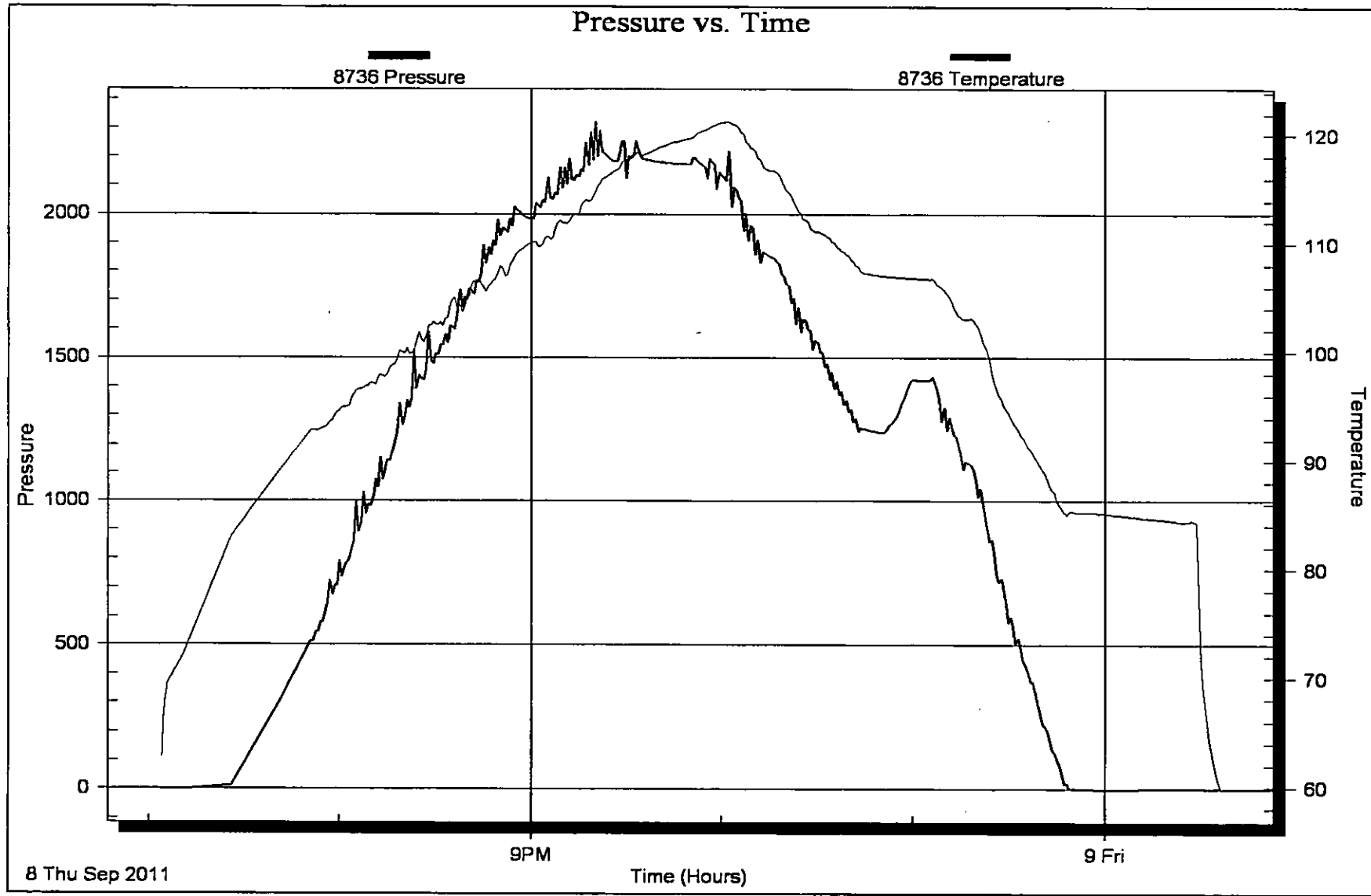
Serial #:

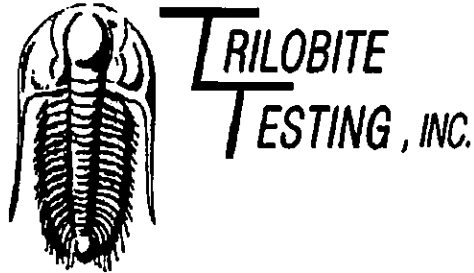
Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Tengasco, Inc.**

PO Box 458  
Hays, KS 67601

ATTN: Mike Baird

**14-15s-25w Trego,KS**

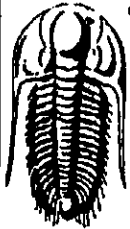
**Mai "B-1"**

Start Date: 2011.09.09 @ 01:20:52

End Date: 2011.09.09 @ 05:56:07

Job Ticket #: 43476                      DST #: 2

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Tengasco, Inc.

Mai "B-1"

PO Box 458  
Hays, KS 67601

14-15s-25w Trego, KS

Job Ticket: 43476

DST#: 2

ATTN: Mke Baird

Test Start: 2011.09.09 @ 01:20:52

### GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened:  
 Time Test Ended: 05:56:07

Test Type: Conventional Straddle  
 Tester: Jason McLemore  
 Unit No: 54

Interval: **4414.00 ft (KB) To 4472.00 ft (KB) (TVD)**  
 Total Depth: 4610.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2447.00 ft (KB)  
 2440.00 ft (CF)  
 KB to GR/CF: 7.00 ft

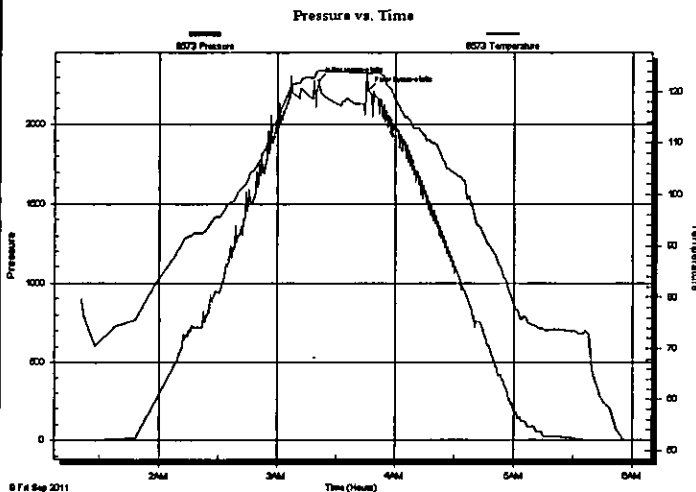
Serial #: 8673

Inside

Press@RunDepth: psig @ 4453.00 ft (KB)  
 Start Date: 2011.09.09 End Date: 2011.09.09  
 Start Time: 01:20:54 End Time: 05:56:07

Capacity: 8000.00 psig  
 Last Calib.: 2011.09.09  
 Time On Btmr: 2011.09.09 @ 03:20:52  
 Time Off Btmr: 2011.09.09 @ 03:45:52

TEST COMMENT: IFR-Packer Failure, Pull Tool



### PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2276.92	124.07	Initial Hydro-static
25	2214.84	123.72	Final Hydro-static

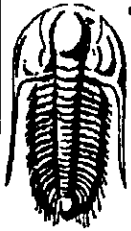
### Recovery

Length (ft)	Description	Volume (bbl)
225.00	Drilling Mud	3.16

### Gas Rates

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





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Tengasco, Inc.

**Mai "B-1"**

PO Box 458  
Hays, KS 67601

**14-15s-25w Trego,KS**

Job Ticket: 43476

**DST#: 2**

ATTN: Mike Baird

Test Start: 2011.09.09 @ 01:20:52

**Tool Information**

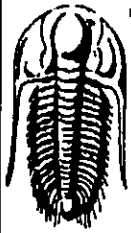
Drill Pipe:	Length: 4415.00 ft	Diameter: 3.80 inches	Volume: 61.93 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 36000.00 lb
		<b>Total Volume:</b>	<b>61.93 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	4414.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	4472.00 ft			
Interval between Packers:	58.00 ft			
Tool Length:	223.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4387.00	
Shut In Tool	5.00			4392.00	
Hydraulic tool	5.00			4397.00	
Jars	5.00			4402.00	
Safety Joint	2.00			4404.00	
Packer	5.00			4409.00	28.00 Bottom Of Top Packer
Packer	5.00			4414.00	
Stubb	1.00			4415.00	
Perforations	5.00			4420.00	
Change Over Sub	1.00			4421.00	
Blank Spacing	31.00			4452.00	
Change Over Sub	1.00			4453.00	
Recorder	0.00	8673	Inside	4453.00	
Recorder	0.00	6755	Outside	4453.00	
Perforations	15.00			4468.00	
Blank Off Sub	1.00			4469.00	
Blank Spacing	3.00			4472.00	58.00 Tool Interval
Packer	1.00			4473.00	
Perforations	12.00			4485.00	
Change Over Sub	1.00			4486.00	
Recorder	0.00	8736	Below	4486.00	
Blank Spacing	123.00			4609.00	137.00 Bottom Packers & Anchor

**Total Tool Length: 223.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Tengasco, Inc.

Mal "B-1"

PO Box 458  
Hays, KS 67601

14-15s-25w Trego,KS

Job Ticket: 43476

DST#: 2

ATTN: Mke Baird

Test Start: 2011.09.09 @ 01:20:52

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

**Recovery Information**

**Recovery Table**

Length ft	Description	Volume bbl
225.00	Drilling Mud	3.156

Total Length: 225.00 ft

Total Volume: 3.156 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

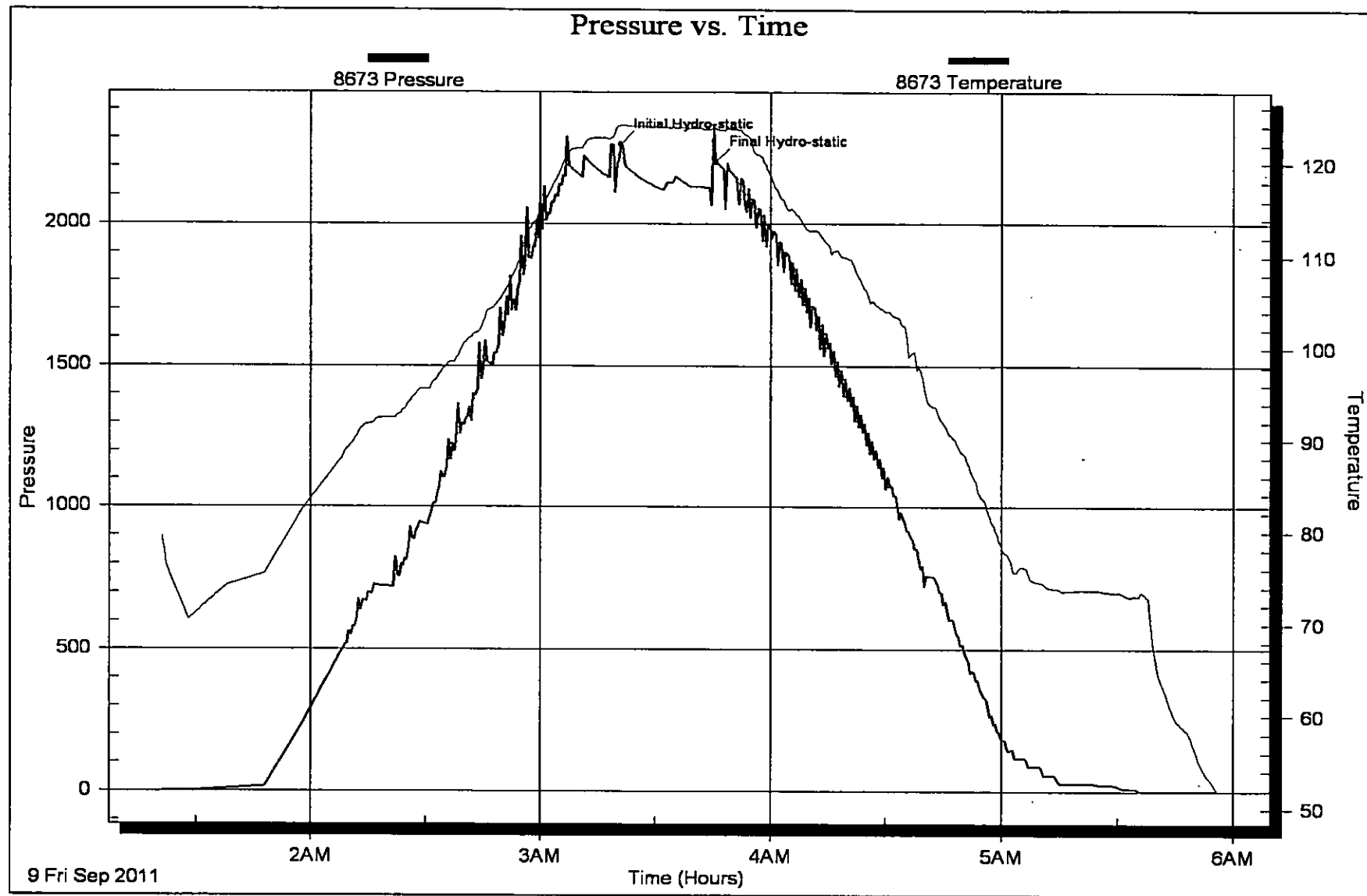
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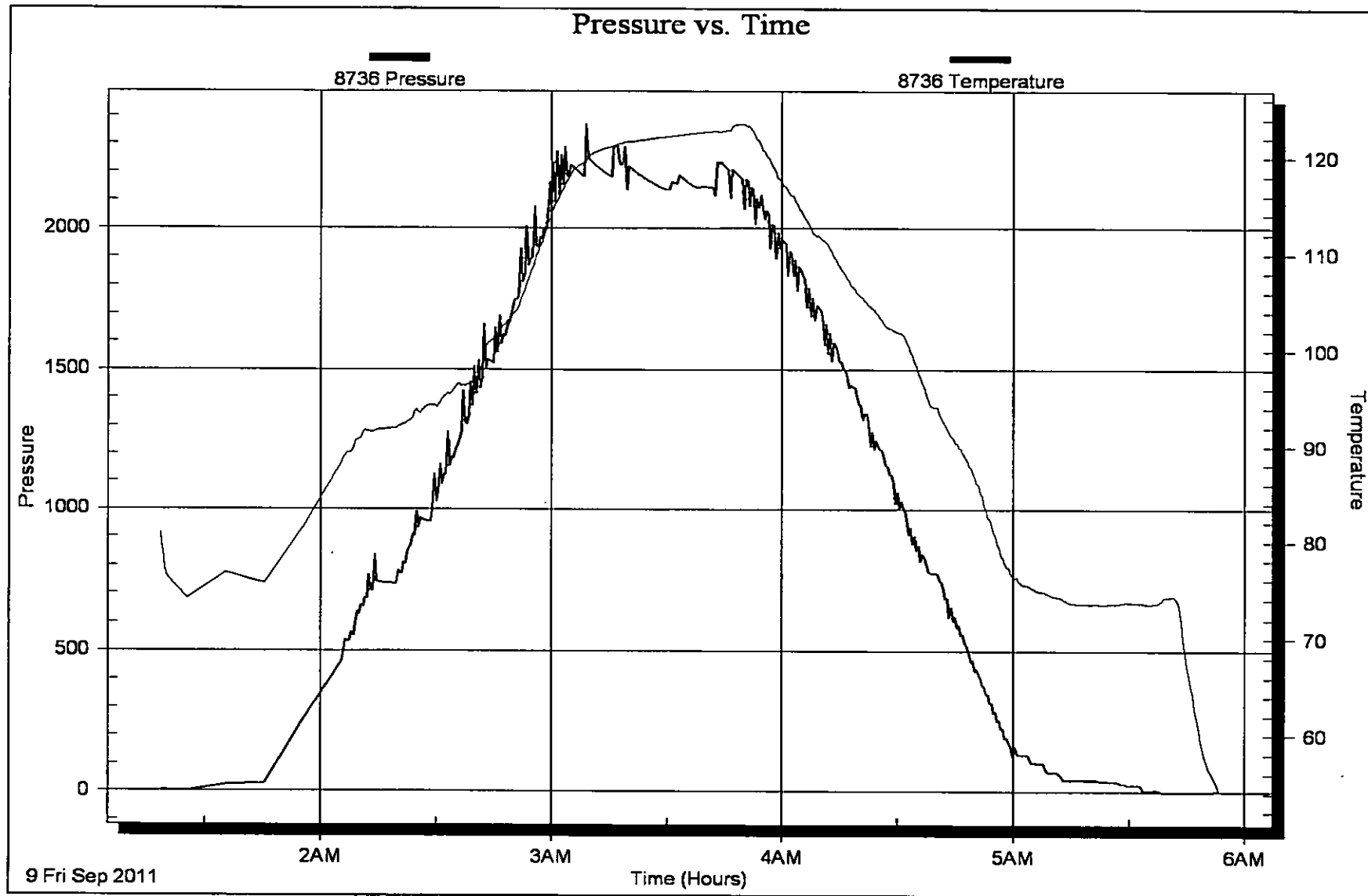
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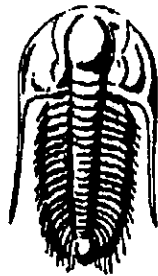
Laboratory Location:

Recovery Comments:









**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Tengasco, Inc.**

PO Box 458  
Hays, KS 67601

ATTN: Mike Baird

**14-15s-25w Trego,KS**

**Mai "B-1"**

Start Date: 2011.09.09 @ 12:46:39

End Date: 2011.09.09 @ 16:40:39

Job Ticket #: 43477                      DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Tengasco, Inc.

Mai "B-1"

14-15s-25w Trego,KS

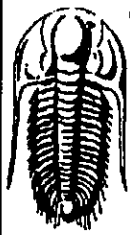
DST # 3

Mississippi

2011.09.09







**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Tengasco, Inc.

**Mai "B-1"**

PO Box 458  
Hays, KS 67601

**14-15s-25w Trego,KS**

Job Ticket: 43477

**DST#: 3**

ATTN: Mike Baird

Test Start: 2011.09.09 @ 12:46:39

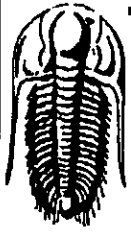
**Tool Information**

Drill Pipe:	Length: 4415.00 ft	Diameter: 3.80 inches	Volume: 61.93 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: 34000.00 lb
			<b>Total Volume: 61.93 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	4434.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	4448.00 ft			
Interval between Packers:	14.00 ft			
Tool Length:	202.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:  
Top Packer run is a Shale Packer on this test.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4407.00	
Shut In Tool	5.00			4412.00	
Hydraulic tool	5.00			4417.00	
Jars	5.00			4422.00	
Safety Joint	2.00			4424.00	
Packer	5.00			4429.00	28.00 Bottom Of Top Packer
Packer	5.00			4434.00	
Stubb	1.00			4435.00	
Perforations	4.00			4439.00	
Recorder	0.00	8673	Inside	4439.00	
Recorder	0.00	6755	Outside	4439.00	
Perforations	5.00			4444.00	
Blank Off Sub	1.00			4445.00	
Blank Spacing	3.00			4448.00	14.00 Tool Interval
Packer	1.00			4449.00	
Perforations	6.00			4455.00	
Change Over Sub	1.00			4456.00	
Recorder	0.00	8736	Below	4456.00	
Blank Spacing	152.00			4608.00	160.00 Bottom Packers & Anchor

**Total Tool Length: 202.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Tengasco, Inc.

**Mal "B-1"**

PO Box 458  
Hays, KS 67601

**14-15s-25w Trego,KS**

Job Ticket: 43477

**DST#: 3**

ATTN: Mike Baird

Test Start: 2011.09.09 @ 12:46:39

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
90.00	Drilling Mud	1.262

Total Length: 90.00 ft

Total Volume: 1.262 bbl

Num Fluid Samples: 0

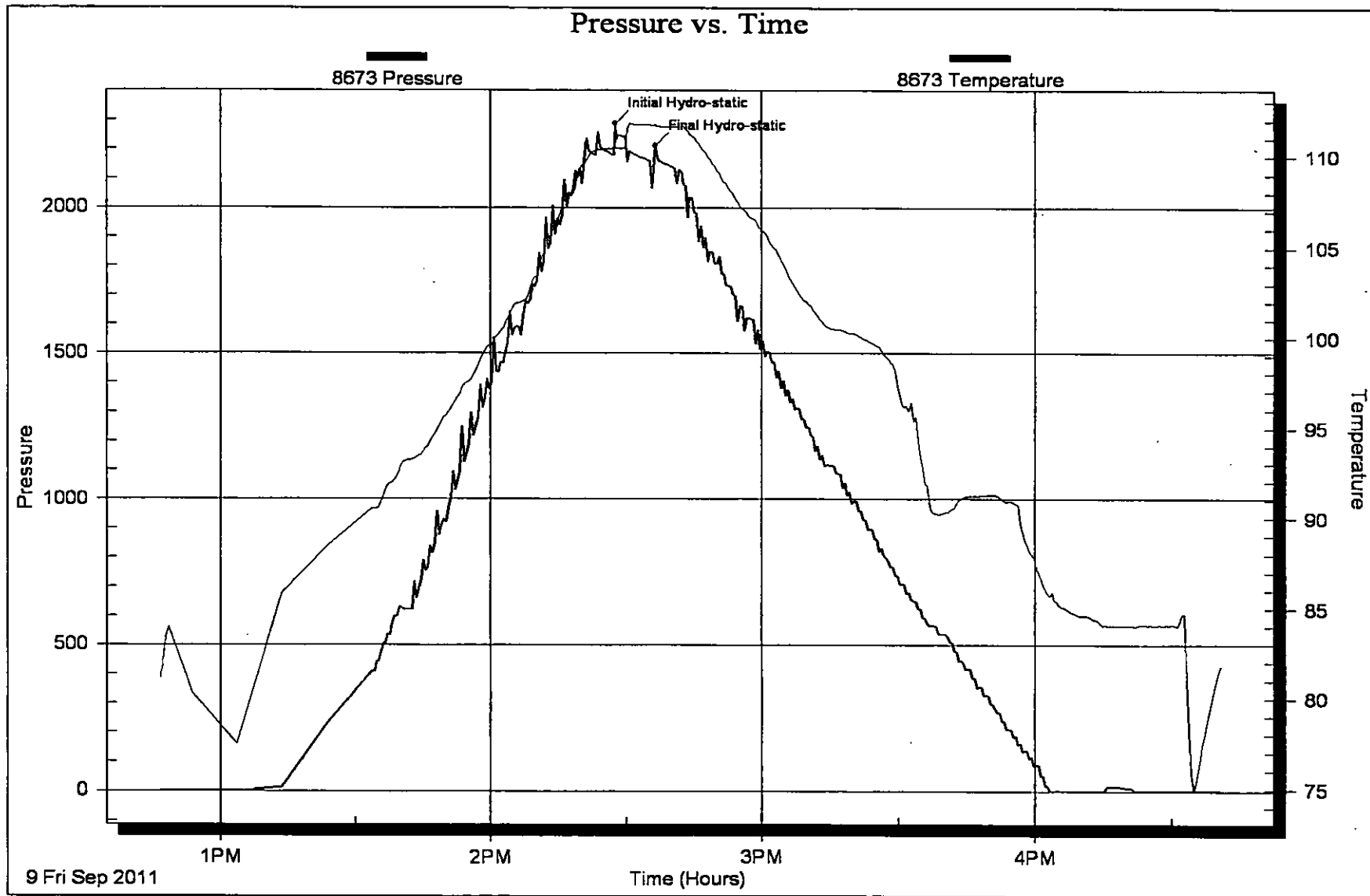
Num Gas Bombs: 0

Serial #:

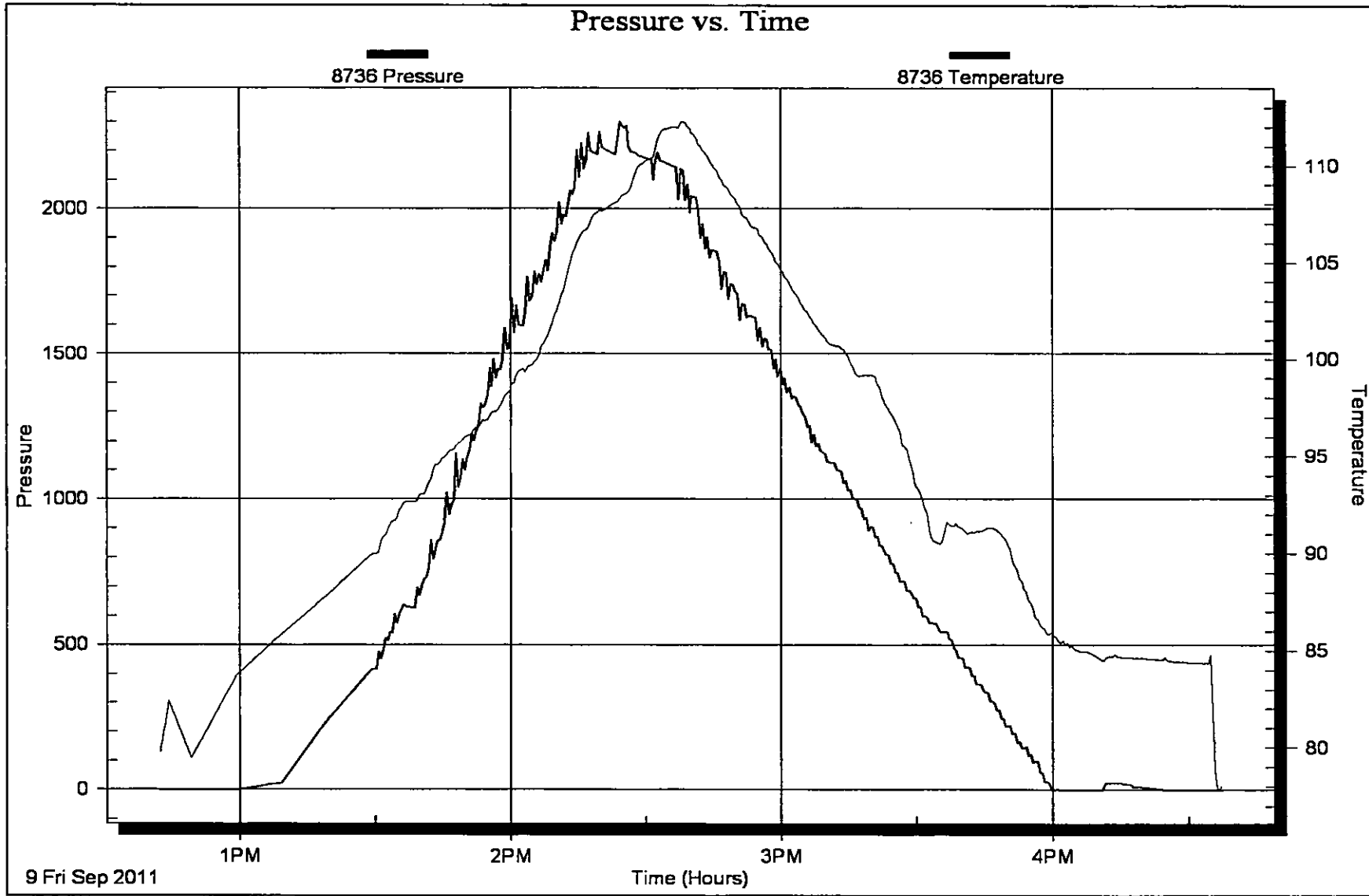
Laboratory Name:

Laboratory Location:

Recovery Comments:







9 Fri Sep 2011

Time (Hours)