



WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

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

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

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

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

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

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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

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

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

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

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

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

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



1085589

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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
-----------------------------------	-----------	---------	-------------	---------------	---------

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	HERMAN L. LOEB, LLC
Well Name	PETERS 'D' 3-10
Doc ID	1085589

Tops

Name	Top	Datum
Anhydrite	2065	+567
Base Anhydrite	2104	+528
Heebner Shale	3905	-1273
Toronto	3921	-1289
Lansing 'A'	3946	-1314
Lansing/KC 'H'	4114	-1482
KC 'I'	4138	-1506
Stark Shale	4191	-1559
Base Kansas City	4244	-1612
Marmaton	4288	-1656
Pawnee	4385	-1753
Fort Scott	4449	-1817
Cherokee Shale	4474	-1842
Miss. Unconformity	4537	-1905
Miss. Warsaw	4544	-1912

# LITHOLOGY STRIP LOG

## WellSight Systems

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

Well Name: Peters "D" #3-10  
Location: 950' FSL & 1940' FWL, Sec. 10-T16S-R26W, Ness Co., KS.  
Licence Number: 15-135-25390-0000 Region: Unice NE  
Spud Date: 6/7/2012 Drilling Completed: 6/17/2012  
Surface Coordinates: 950' FSL & 1940' FWL, Sec. 10-T16S-R26W, Ness Co.

Bottom Hole Same as above  
Coordinates:  
Ground Elevation (ft): 2621' K.B. Elevation (ft): 2632'  
Logged Interval (ft): 3800' To: 4625' Total Depth (ft): 4625'  
Formation: Mississippian at Total Depth  
Type of Drilling Fluid: Freshwater/Gel to 3359'; Chemical Gel 3359' to 4625'

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

### OPERATOR

Company: Herman L. Loeb, LLC.  
Address: P.O. Box 838  
Lawrenceville, IL. 62439-0838

### GEOLOGIST

Name: Jon D. Christensen  
Company: Consulting Petroleum Geologist  
Address: 9002 W. Silver Hollow St.  
Wichita, KS. 67205-8856

### Cores

None Taken

### DSTs

DST #1(L/KC. 'H' + 'I' zones) 4104' - 4154'(Corrected Depths to Log) Test Times 15"-45"-45"-90" IFP Weak Blow built to 4.5", FFP Fair Blow built to 8", no Blowback on SI's; REC: 15' Drilling mud w/rainbow SO, 280' SW(Cl 95,000, Mud 2400); IFP 24-78#, ISIP 1214#, FFP 86-155#, FSIP 1192#, IHP 2020#, FHP 1953#, BHT 119 Deg. F.

DST #2(Fort Scott/Upper Cherokee Lmst). 4434' - 4482'(Corrected Depth to Log) Test Times 15"-45"-30"-60" IFP Weak surface Blow died in 11", FFP no Blow, no Blowback on SI's; REC: 30' Drlg mud, no shows; IFP 17-18#, ISIP 272#, FFP 18-20#, FSIP 75#, IHP 2276#, FHP 2133#, BHT 119 Deg. F.

DST #3(Miss. Dolomite) 4543' - 4564'(Corrected Depths to Log) Test Times 30"-60"-30"-60" IFP Weak Blow built to 4", FFP Dead at open, after 15" had Weak Surface Blow that built to 1/8" in 30"; no Blowback on SI's; REC: 15' CGO(5%G, 95%O - 37 Deg. API), 60' OCM(10%O, 90%M), 75' GHOCWM(25%G, 55%O, 10%W, 10%M) not enough water to determine Cl; IFP 20-60#, ISIP 973#, FFP 101-100#, FSIP 877# and Building; IHP 2337#, FHP 2165#, BHT 124 Deg. F.

## Comments

6/6/12 MIRU Sterling Drilling Rig #2; 6/7/12 Spud at 1:00 AM., TD. 352' - W/O welder to weld Surface Casing straps; 6/8/12 Drilling at 1269'; 6/9/12 Drilling at 2033'; 6/10/12 Drilling at 2804'; 6/11/12 Drilling at 3305'; 6/12/12 Drilling at 3525'; 6/13/12 Drilling at 3990'; 6/14/12 TD. 4156' - DST #1; 6/15/12 Drilling at 4391'; 6/16/12 Drilling at 4495'; 6/17/12 RTD. 4625' at 6:15 AM., CCH for Logs, LTD. 4625'; 6/18/12 RTD. 4625', LTD. 4625' - Cementing Production Casing.

Set new 8 5/8" 23# Surface casing at 352' with 215 sx. of Cement(Basic Energy Services). Cement did Circulate. PD. 10:00 AM. 6/7/12.

Set new 5 1/2"(15.5#) Production Casing at 4623' with 150 sx. of "Loeb Blend"(Basic Energy Services). Port Collar at 2080'. PD. 7:45 AM. 6/18/12.


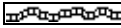
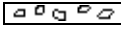

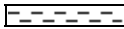







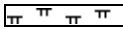

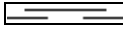
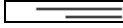
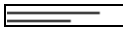



Surveys: 1 Deg. at 352'(Surface Casing); 0.25 Deg. at 4156'(DST #1); 0.75 Deg. at 4484'(DST #2); 0.50 Deg. at 4625' RTD.

After review of the Superior Logs, DST data and positive indications of commercial amounts of hydrocarbons, the operator elected to set new 5 1/2" (15.5#) Production Casing for completion in the Mississippi Warsaw dolomite.








































































LOG TOPS: Anhydrite 2065(+567), Base Anhydrite 2104(+528), Heebner Shale 3905(-1273), Toronto 3921(-1289), Lansing 'A' 3946(-1314), Lansing/KC 'H' 4114(-1482), KC 'I' 4138(-1506), Stark Shale 4191(-1559), Base Kansas City 4244(-1612), Marmaton 4288(-1656), Pawnee 4385(-1753), Fort Scott 4449(-1817), Cherokee Shale 4474(-1842), Miss. Unconformity 4537(-1905), Miss. Warsaw dolomite 4544(-1912).

NOTE: This log was shifted upward by 1' to 2' for correlation purposes with the Superior Well Service Logs.

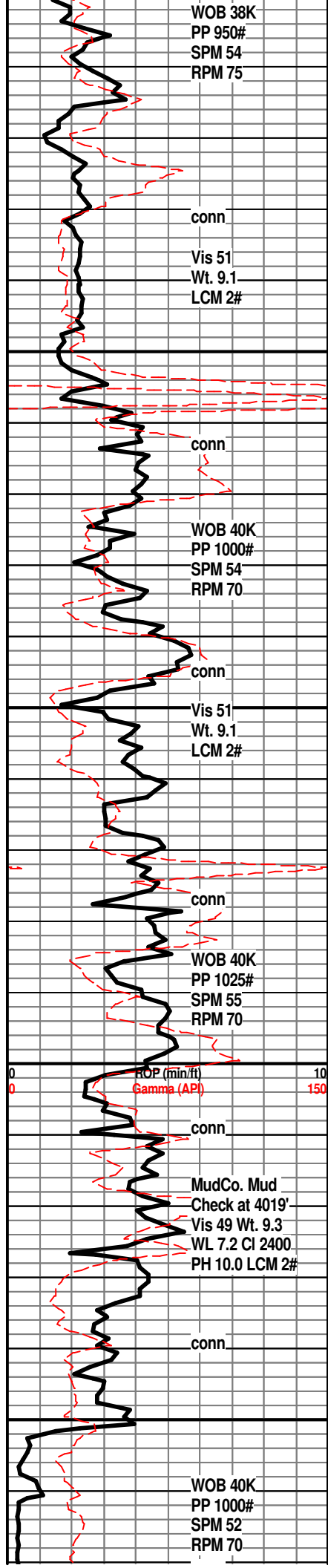
## ROCK TYPES

 Anhy  Bent  Brec  Cht	 Clyst  Coal  Congl  Dol	 Gyp  Igne  Lmst  Meta	 Mrlst  Salt  Shale  Shcol	 Shgy  Sltst  Ss  Till
---	---	---	---	---

## ACCESSORIES

<b>MINERAL</b>  Anhy  Arggrn  Arg  Bent  Bit  Brecfrag  Calc  Carb  Chtdk  Chtlt  Dol  Feldspar  Ferrpel  Ferr  Glau	 Gyp  Hvymin  Kaol  Marl  Minxl  Nodule  Phos  Pyr  Salt  Sandy  Silt  Sil  Sulphur  Tuff	<b>FOSSIL</b>  Algae  Amph  Belm  Bioclst  Brach  Bryozoa  Cephal  Coral  Crin  Echin  Fish  Foram  Fossil  Gastro  Oolite	 Ostra  Pelec  Pellet  Pisolite  Plant  Strom  <b>STRINGER</b>  Anhy  Arg  Bent  Coal  Dol  Gyp  Ls  Mrst	 Sltstrg  Ssstrg  <b>TEXTURE</b>  Boundst  Chalky  Cryxln  Earthy  Finexln  Grainst  Lithogr  Microxln  Mudst  Packst  Wackest
---	--	--	--	---





WOB 38K  
PP 950#  
SPM 54  
RPM 75

conn

Vis 51  
Wt. 9.1  
LCM 2#

conn

WOB 40K  
PP 1000#  
SPM 54  
RPM 70

conn

Vis 51  
Wt. 9.1  
LCM 2#

conn

WOB 40K  
PP 1025#  
SPM 55  
RPM 70

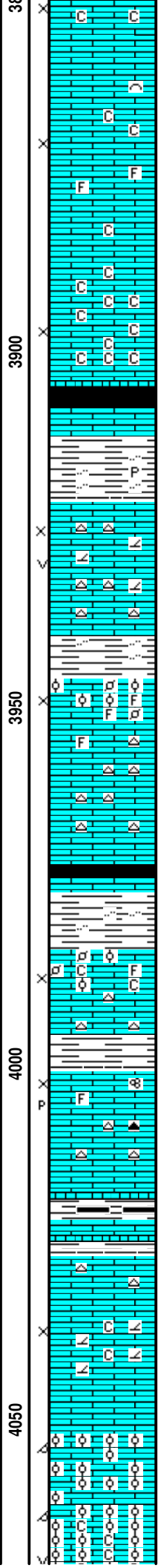
ROP (min/ft)  
Gamma (API)

conn

MudCo. Mud  
Check at 4019'  
Vis 49 Wt. 9.3  
WL 7.2 Cl 2400  
PH 10.0 LCM 2#

conn

WOB 40K  
PP 1000#  
SPM 52  
RPM 70



LM; off wh, tan, buff, fxlN w/fair interxln and scat p-p por, occ chalky mtX, dull yel fluor, no stn or odor, ns.

LM; tan to off wh, med xln w/scat cse xln, occ spar calc xtals, minor foss mat, fair to occ gd interxln por, chalky ip, lt yel fluor, ns.

LM; wh, off wh, tan, med xln w/abnt soft chalk and chalky mtX, med yel min fluor, poor to fair interxln por, no stn or odor, ns.

**HEEBNER SHALE 3905(-1273)**

SH; blk, v. dk gy, soft to blocky, carb ip.  
LM; med brn, blocky, dense

SH; med grn, silty ip, firm, rarely pyr

**TORONTO 3921(-1289)**

LM; lt gy, wh, off wh, med xln, scat sucrosic text, partly dolomitic, interbdd wh to off wh fresh cht, scat lt yel fluor, poor to fair interxln w/occ small vug por, no stn or odor, ns.

SH; grn, gy, rust red, platy, occ silty

**LANSING 'A' 3946(-1314)**

LM; off wh, tan, buff, highly foss/partly oolitic at top w/gd interpart por, most dense, blocky, scat off wh to wh cht, dull yel fluor, no vis stn, no odor, no gas kick, ns.

LM; tan to lt brn, hd, blocky, scat off wh cht, tite

SH; dk gy, blk, platy

LM; med to dk brn, blocky, hd

SH; med gy, grn, platy, silty ip.

LM; tan to off wh, foss - partly oolitic/pelletal, fair interpart por, minor soft chalky mtX, lt yel min fluor, no stn or odor, scat tan/wh cht, ns.

LM; tan to lt brn, buff, med xln, scat foss mat, fair interxln w/poor p-p por also, dull to occ lt yel fluor, no vis stn, interbdd wh to org cht, no gas kick, ns.

SH; dk gy, trc blk, platy

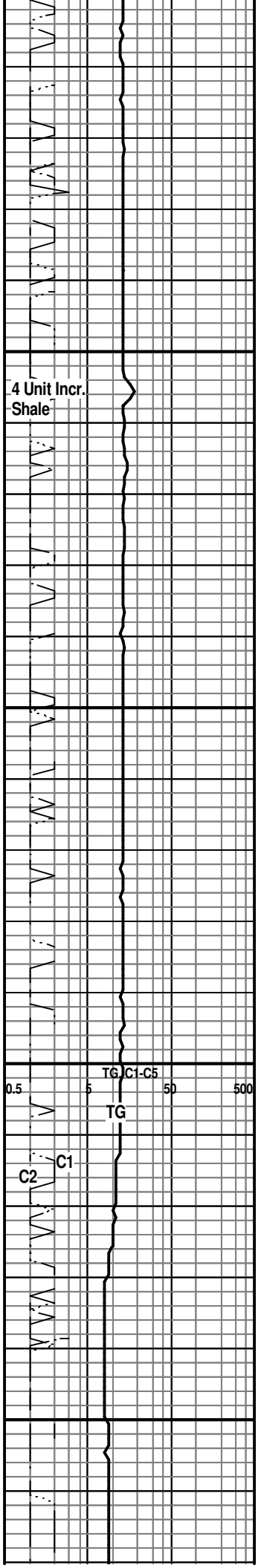
LM; med gy, hd, blocky, dense

LM; off wh, tan, f to med xln, interbdd dense micrite, hd, no vis por, cherty ip, ns.

LM; tan to buff, off wh, fxlN to sucrosic text, partly dolomitic, gd interxln por, occ soft chalky mtX, lt to med yel fluor, no stn or odor, ns.

LM; lt to med brn, oolitic, most small to med size moldic por, brittle ip, most w/gd oomoldic and occ vug por, med yel min fluor, no stn or odor, barren, no gas kick, ns.

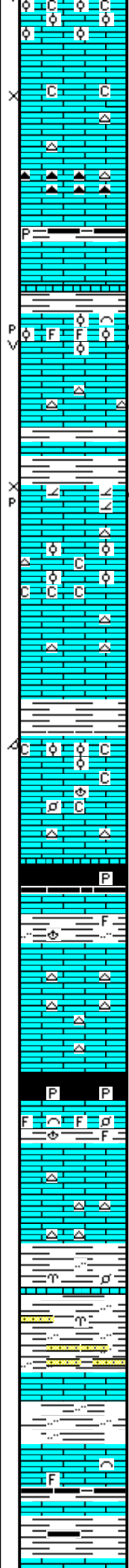
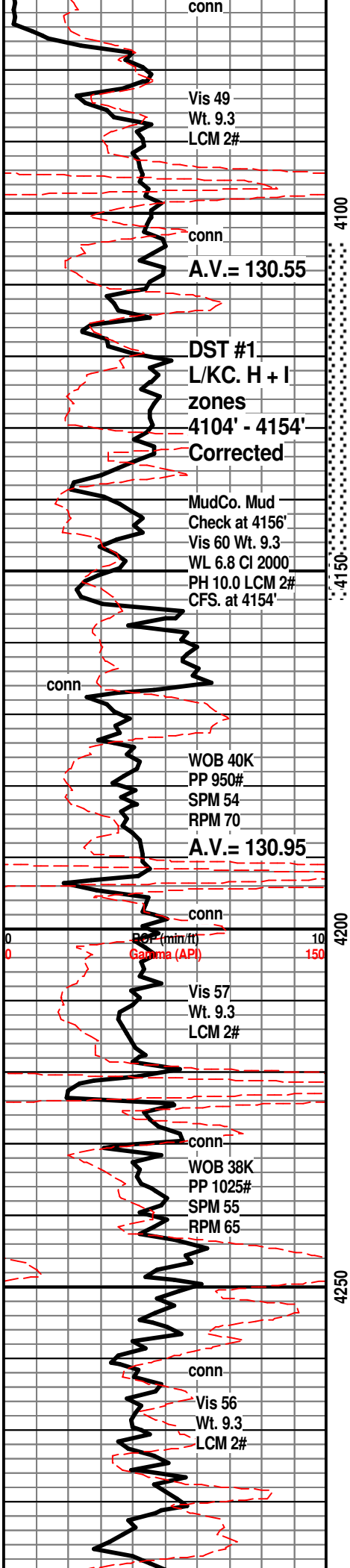
LM; lt to med brn, oolitic, med to occ lrg moldic por,



4 Unit Incr.  
Shale

TG, C1-C5  
TG

C2  
C1



scat brn mtx, med to occ brite yel flur, no stn or odor, ns.

LM; tan to cream, buff, fxlN to micritic, scat poor interxln por, minor soft chalky mtx, most dense, occ wh cht, no fluor, ns.

LM; med brn, hd, micritic to litho, dense, scat amber to tan cht, tite

SH; blk, dk gy, platy, pyr ip.

**LANSING/KC. 'H' 4114(-1482)**

LM; tan to lt brn, foss - partly oolitic, occ med xln/gran text, spotted to even golden brn oil stn, fair p-p and occ small vug por, Trc. FO droplets, fair/gd odor, brite yel fluor, fair/gd cut

LM; tan to lt brn, hd, blocky, tite

**KC. 'I' 4138(-1506)**

LM; off wh, fxlN w/sucrosic text, partly dolomitic, spotted med brn stn, faint odor, poor to fair interxln/p-p por, some very tite, med to brite yel fluor, poor/ fair cut

LM; off wh, finely oolitic ip, chalky, no stn, ns.

**DST #1: L/KC. 'H' + 'I' 4104' - 4154' Corrected Depths to Log**

LM; tan to lt brn, buff, most dense, occ cherty, tite

SH; med gy grn, firm

LM; off wh, tan, buff, oolitic ip w/gd oomoldic por, much soft chalky mtx, med yel min fluor, no stn or odor, no gas kick, barren, ns.

LM; off wh, tan, lt gy, f to med xln, scat foss mat, most well cem, occ gy/off wh cht, minor soft chalky mtx, lt yel min fluor, ns.

**STARK SHALE 4191(-1559)**

SH; blk, carb ip, soft to blocky, pyr ip.

SH; grn, gy, silty ip, foss

LM; tan to cream, buff, off wh, most hd, micritic, dense, interbdd wh/off wh cht, no vis por, no fluor, ns.

LM; med brn, hd, blocky, tite

SH; blk, v. dk gy, platy, carb ip, scat pyr

LM; med gy, gy brn, dense, foss - finely pelletal, well cem, no vis por, ns.

LM; lt gy, lt gy brn, fxlN, sucrosic to gritty text, v. hd, blocky, no vis por, scat gy to off wh cht, no fluor, no stn or odor, ns.

**BASE KANSAS CITY 4244(-1612)**

SH; med gy, grn, occ varic, silty ip, thin shaly ss strngs, firm to soft

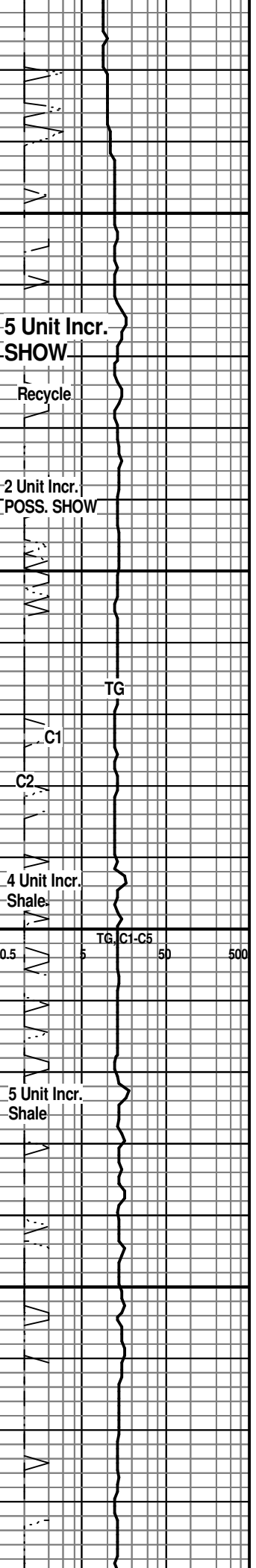
LM; med brn, hd, micritic, blocky, tite

SH; gy, grn, some varic, firm, silty ip.

LM; lt gy, gy brn, fxlN, scat well cem foss mat, no vis por, no fluor, ns.

SH; med to dk gy, rare blk, platy

**MARMATON 4288(-1656)**







WOB 101  
PP 975#  
SPM 53  
RPM 65

conn  
Vis 57  
Wt. 9.3  
LCM 2#

A.V.= 131.30

CFS. at 4551'  
**DST #3**  
**Miss. Dolo.**  
**4543' - 4564'**  
**Corrected**

CFS. at 4564'

conn

ROP (min/ft)  
Gamma (A<sup>ph</sup>)

Vis 57  
Wt. 9.5  
LCM 2#

conn

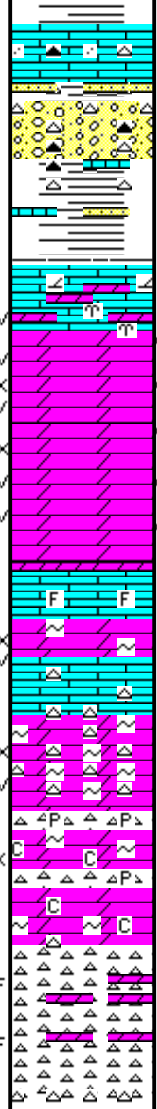
CFS. at RTD.

4550

4600

4650

00



LM; off wh, sandy w/embdd med to cse rnd qtz gr in mtx, hd, trc blk tar/gils, looks tite, occ dk brn/off wh cht

SH; varic, mustard yel, sandy ip w/varic cherts - org, yel, wh, some conglom. weath lmst, unconsol. f gr qtz ss

**MISS. UNCONFORMITY 4537(-1905)**

**MISS. DOLOMITE 4544(-1912)**

DOL; off wh, med brn(oil stn), lmy dolo/dolo lmst at top, foss ip, sucrosic to med rhombic, much gd vug por, SFO, gd odor, med golden brn spotted to even stn, med yel fluor, some lrg vug por w/oil sat, cse calc. xtals w/v. gd interpart por

CFS. at 4565': DOL; lt to med brn, sucrosic to med rhombic, well dev. vug and interxln por, GSFO, gd odor, med/brite yel fluor, streaming cut, even med brn oil stn w/some gd oil sat.

**DST #3: Miss. Dolomite 4543' - 4564' Corrected Depth to Log**

DOL; tan to lt gr, sucrosic, gd interxln w/vug por, occ grn glau, lt brn even stn, SFO, gd odor

LM; off wh, wh, tan, fxln, scat off wh cht, tite

DOL; wh, off wh, sucrosic, abnt wh to gy fresh cht, grn glau common, fair interxln/scat small vug por, trc v. spotted lt brn stn, most barren, dull yel fluor, no odor

DOL; wh, off wh, tan, gy, sucrosic, occ chalky - soft, interbdd off wh to gy occ pyr cht, poor to fair interxln por, no stn, lt yel fluor, no odor, glau ip.

CHT; lt gy, off wh, fresh, fracs ip, partly dolomitic with interbdd wh sucrosic dolo, no fluor, no stn or odor, no sample shows

RTD. 4625' at 6:15 AM. 6/17/12

LTD. 4625'

Superior Well Services DIL, NEU/DEN with PE, Microlog

NOTE: This log was shifted 1' to 2' for correlation purposes with the Superior Well Service logs.

C1 TG

5 Unit Incr. SHOW

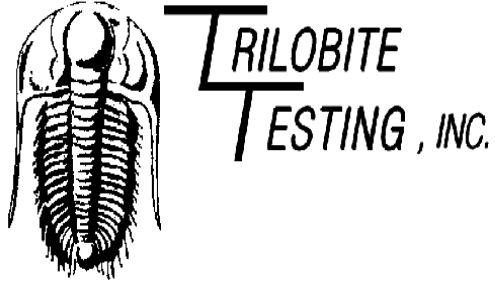
6 Unit Incr. SHOW

15 Unit Incr. Poss. SHOW

Recycle

0.5 TG, C1, C5 5 50 500

7 Unit Incr.



## DRILL STEM TEST REPORT

Prepared For: **Herman L. Loeb, LLC**

PO Box 838  
Lawrenceville IL 62439

ATTN: Jon Christensen

### **Peters D #3-10**

### **10-16s-26w Ness,KS**

Start Date: 2012.06.13 @ 21:30:30

End Date: 2012.06.14 @ 07:13:30

Job Ticket #: 49251                      DST #: 1

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

Printed: 2012.06.20 @ 11:05:58

Herman L. Loeb, LLC  
10-16s-26w Ness,KS  
Peters D #3-10  
DST # 1  
KC "H-I"  
2012.06.13



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Herman L. Loeb, LLC  
 PO Box 838  
 Lawrenceville IL 62439  
 ATTN: Jon Christensen

**10-16s-26w Ness, KS**  
**Peters D #3-10**  
 Job Ticket: 49251      **DST#: 1**  
 Test Start: 2012.06.13 @ 21:30:30

## GENERAL INFORMATION:

Formation: **KC "H-I"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 01:44:30  
 Time Test Ended: 07:13:30  
 Interval: **4106.00 ft (KB) To 4156.00 ft (KB) (TVD)**  
 Total Depth: 4156.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 2632.00 ft (KB)  
 2621.00 ft (CF)  
 KB to GR/CF: 11.00 ft

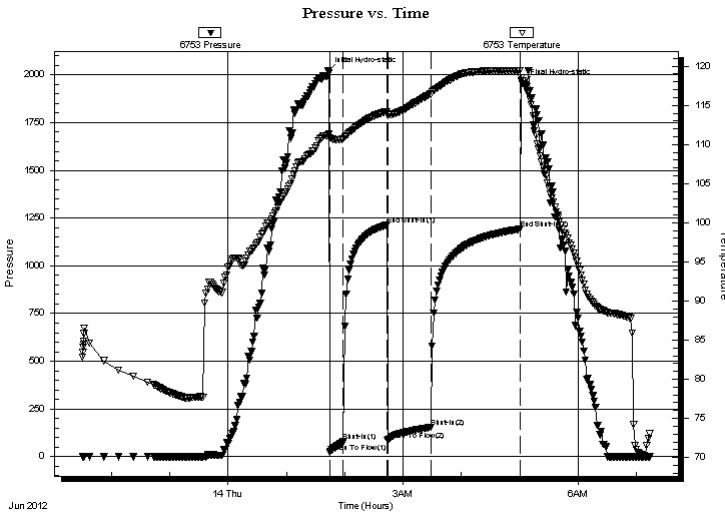
## Serial #: 6753

Inside

Press @ Run Depth: 155.11 psig @ 4107.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.06.13 End Date: 2012.06.14 Last Calib.: 2012.06.14  
 Start Time: 21:30:35 End Time: 07:13:30 Time On Btm: 2012.06.14 @ 01:43:00  
 Time Off Btm: 2012.06.14 @ 05:03:00

TEST COMMENT: IF-4.5" blow  
 IS- No blow  
 FF-8" blow  
 FS- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2019.68	111.17	Initial Hydro-static
2	23.54	110.84	Open To Flow (1)
16	78.06	110.72	Shut-In(1)
60	1213.97	114.23	End Shut-In(1)
61	85.82	113.76	Open To Flow (2)
106	155.11	116.44	Shut-In(2)
197	1192.18	119.45	End Shut-In(2)
200	1953.33	118.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud	0.07
280.00	Water	2.15

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Herman L. Loeb, LLC

**10-16s-26w Ness, KS**

PO Box 838  
Lawrenceville IL 62439

**Peters D #3-10**

Job Ticket: 49251

**DST#: 1**

ATTN: Jon Christensen

Test Start: 2012.06.13 @ 21:30:30

## Tool Information

Drill Pipe:	Length: 3892.00 ft	Diameter: 3.80 inches	Volume: 54.59 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4106.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4084.00	
Shut In Tool	5.00			4089.00	
Hydraulic tool	5.00			4094.00	
Safety Joint	2.00			4096.00	
Packer	5.00			4101.00	23.00 Bottom Of Top Packer
Packer	5.00			4106.00	
Stubb	1.00			4107.00	
Recorder	0.00	6753	Inside	4107.00	
Recorder	0.00	8369	Outside	4107.00	
Perforations	2.00			4109.00	
Change Over Sub	1.00			4110.00	
Drill Pipe	32.00			4142.00	
Change Over Sub	1.00			4143.00	
Perforations	10.00			4153.00	
Bullnose	3.00			4156.00	50.00 Bottom Packers & Anchor

**Total Tool Length: 73.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Herman L. Loeb, LLC

**10-16s-26w Ness, KS**

PO Box 838  
Lawrenceville IL 62439

**Peters D #3-10**

Job Ticket: 49251

**DST#: 1**

ATTN: Jon Christensen

Test Start: 2012.06.13 @ 21:30:30

## 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:

95000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud	0.074
280.00	Water	2.151

Total Length: 295.00 ft      Total Volume: 2.225 bbl

Num Fluid Samples: 0

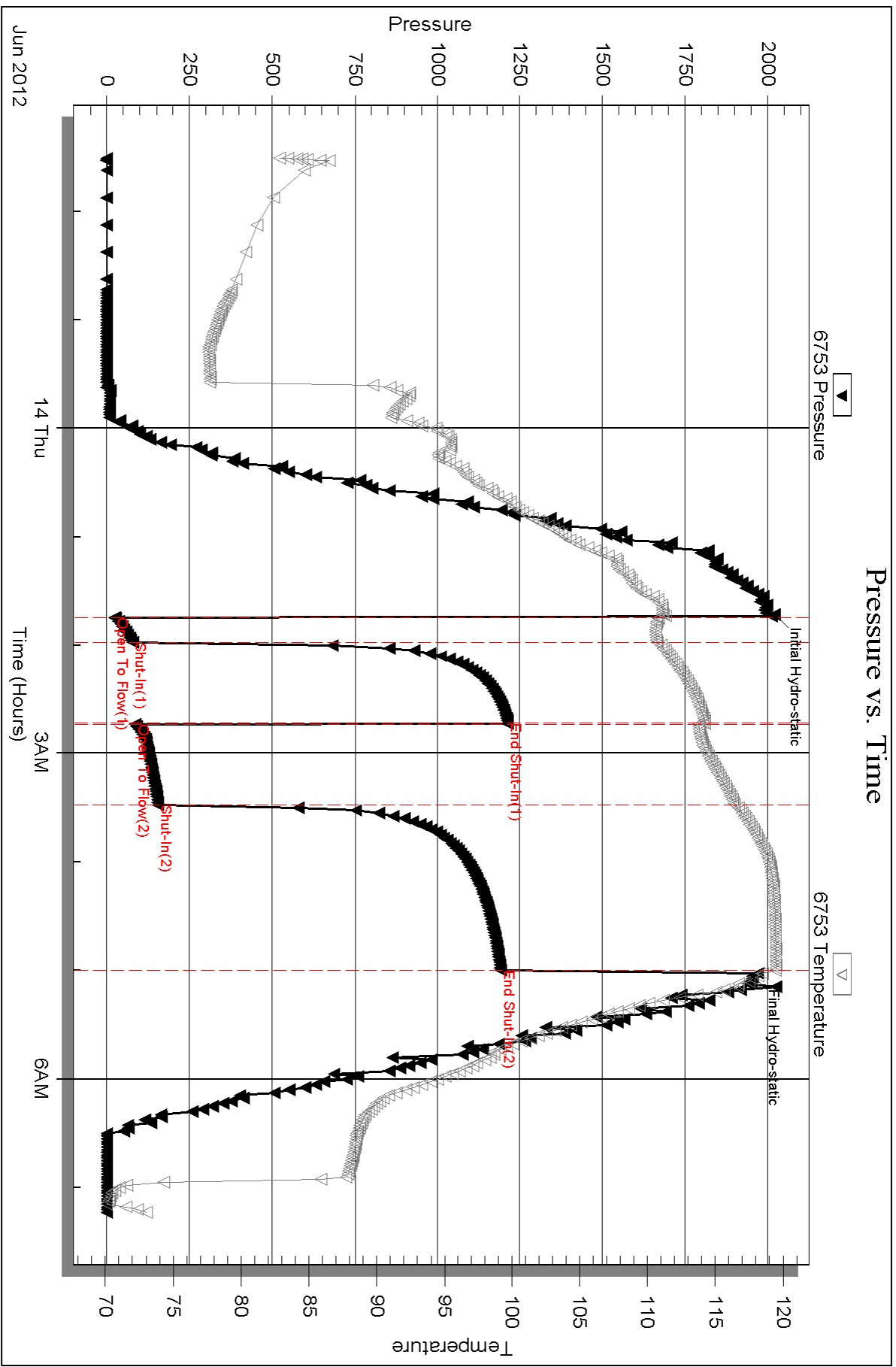
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW.09@ 65



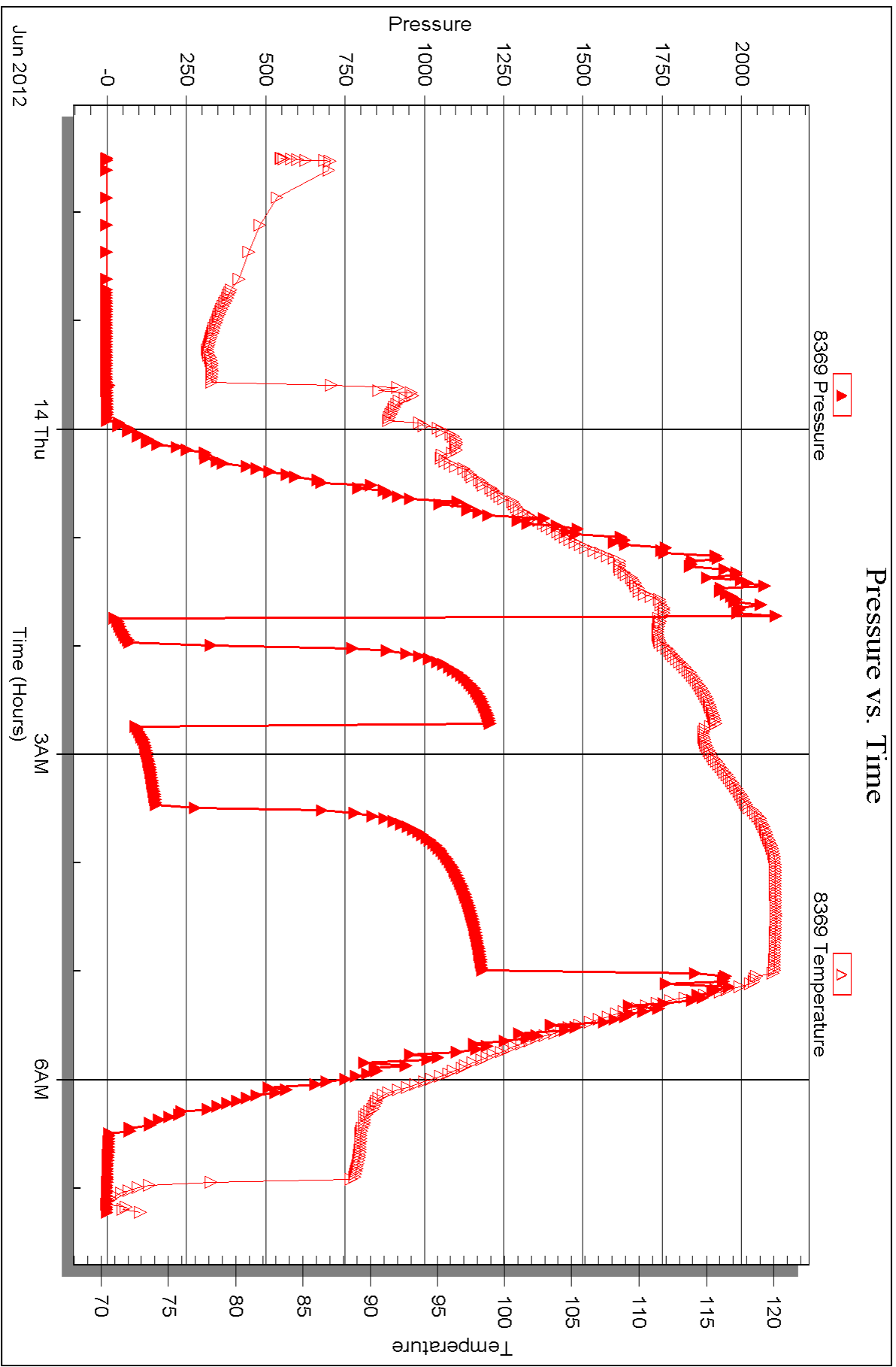


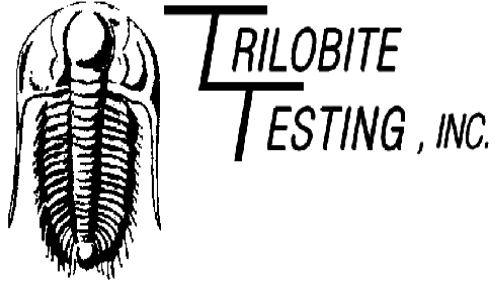
Serial #: 8369

Outside Herman L. Loeb, LLC

Peters D#3-10

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Herman L. Loeb, LLC**

PO Box 838  
Lawrenceville IL 62439

ATTN: Jon Christensen

**Peters D #3-10**

**10-16s-26w Ness,KS**

Start Date: 2012.06.15 @ 19:35:02

End Date: 2012.06.16 @ 03:36:02

Job Ticket #: 49252                      DST #: 2

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

Printed: 2012.06.20 @ 11:04:56







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Herman L. Loeb, LLC

**10-16s-26w Ness, KS**

PO Box 838  
Lawrenceville IL 62439

**Peters D #3-10**

Job Ticket: 49252

**DST#: 2**

ATTN: Jon Christensen

Test Start: 2012.06.15 @ 19:35:02

## Tool Information

Drill Pipe:	Length: 4210.00 ft	Diameter: 3.80 inches	Volume: 59.06 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	4436.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	71.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4414.00	
Shut In Tool	5.00			4419.00	
Hydraulic tool	5.00			4424.00	
Safety Joint	2.00			4426.00	
Packer	5.00			4431.00	23.00 Bottom Of Top Packer
Packer	5.00			4436.00	
Stubb	1.00			4437.00	
Recorder	0.00	6753	Inside	4437.00	
Recorder	0.00	8369	Outside	4437.00	
Perforations	2.00			4439.00	
Change Over Sub	1.00			4440.00	
Drill Pipe	32.00			4472.00	
Change Over Sub	1.00			4473.00	
Perforations	8.00			4481.00	
Bullnose	3.00			4484.00	48.00 Bottom Packers & Anchor

**Total Tool Length: 71.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Herman L. Loeb, LLC

**10-16s-26w Ness, KS**

PO Box 838  
Lawrenceville IL 62439

**Peters D #3-10**

Job Ticket: 49252

**DST#: 2**

ATTN: Jon Christensen

Test Start: 2012.06.15 @ 19:35:02

**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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
30.00	mud	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

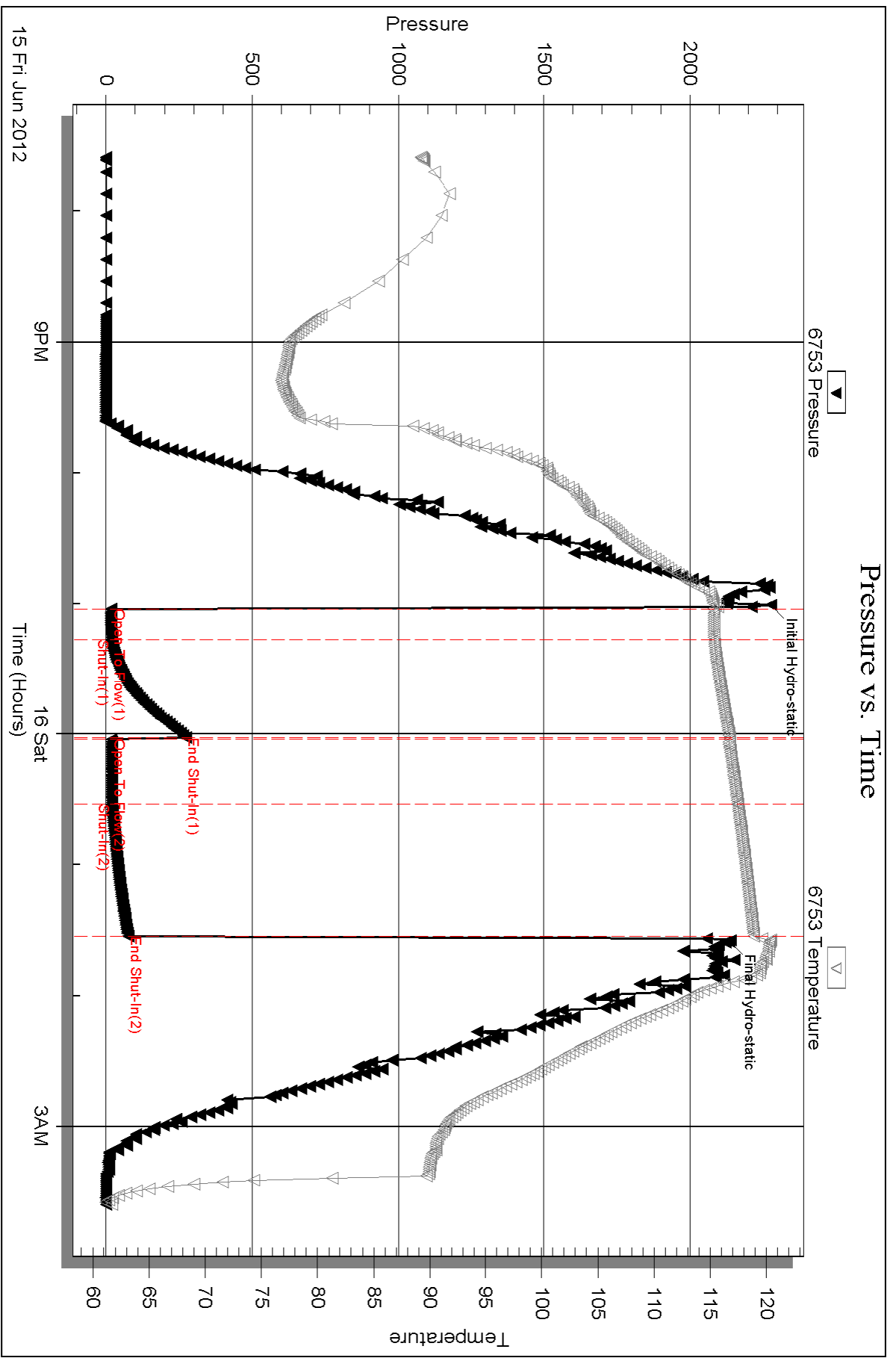
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

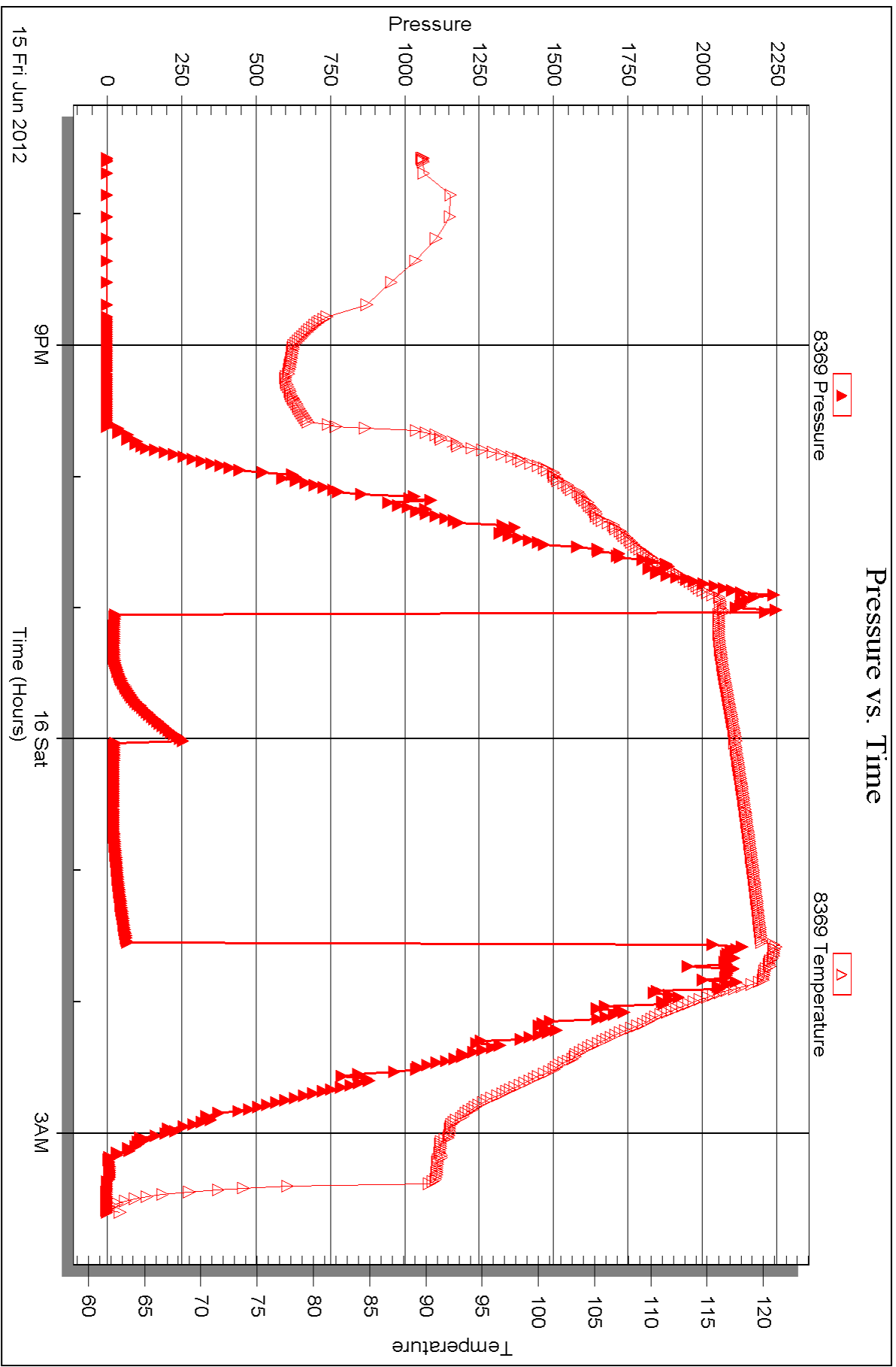


Serial #: 8369

Outside Herman L. Loeb, LLC

Peters D#3-10

DST Test Number: 2







## DRILL STEM TEST REPORT

Prepared For: **Herman L. Loeb, LLC**

PO Box 838  
Lawrenceville IL 62439

ATTN: Jon Christensen

### **Peters D #3-10**

### **10-16s-26w Ness,KS**

Start Date: 2012.06.16 @ 15:35:15

End Date: 2012.06.17 @ 00:13:45

Job Ticket #: 49253                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.06.20 @ 11:04:11







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Herman L. Loeb, LLC

**10-16s-26w Ness, KS**

PO Box 838  
Lawrenceville IL 62439

**Peters D #3-10**

Job Ticket: 49253

**DST#: 3**

ATTN: Jon Christensen

Test Start: 2012.06.16 @ 15:35:15

## Tool Information

Drill Pipe:	Length: 4337.00 ft	Diameter: 3.80 inches	Volume: 60.84 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 85000.00 lb
Depth to Top Packer:	4544.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4522.00	
Shut In Tool	5.00			4527.00	
Hydraulic tool	5.00			4532.00	
Safety Joint	2.00			4534.00	
Packer	5.00			4539.00	23.00 Bottom Of Top Packer
Packer	5.00			4544.00	
Stubb	1.00			4545.00	
Recorder	0.00	6753	Inside	4545.00	
Recorder	0.00	8369	Outside	4545.00	
Perforations	2.00			4547.00	
Perforations	15.00			4562.00	
Bullnose	3.00			4565.00	21.00 Bottom Packers & Anchor

**Total Tool Length: 44.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Herman L. Loeb, LLC

**10-16s-26w Ness,KS**

PO Box 838  
Lawrenceville IL 62439

**Peters D #3-10**

Job Ticket: 49253

**DST#: 3**

ATTN: Jon Christensen

Test Start: 2012.06.16 @ 15:35:15

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
75.00	GSMWCO 25%G 55%O 10%W 10%M	0.369
60.00	SOCM 10%O 90%M	0.295
15.00	VSGO 5%G 95%O	0.074

Total Length: 150.00 ft      Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

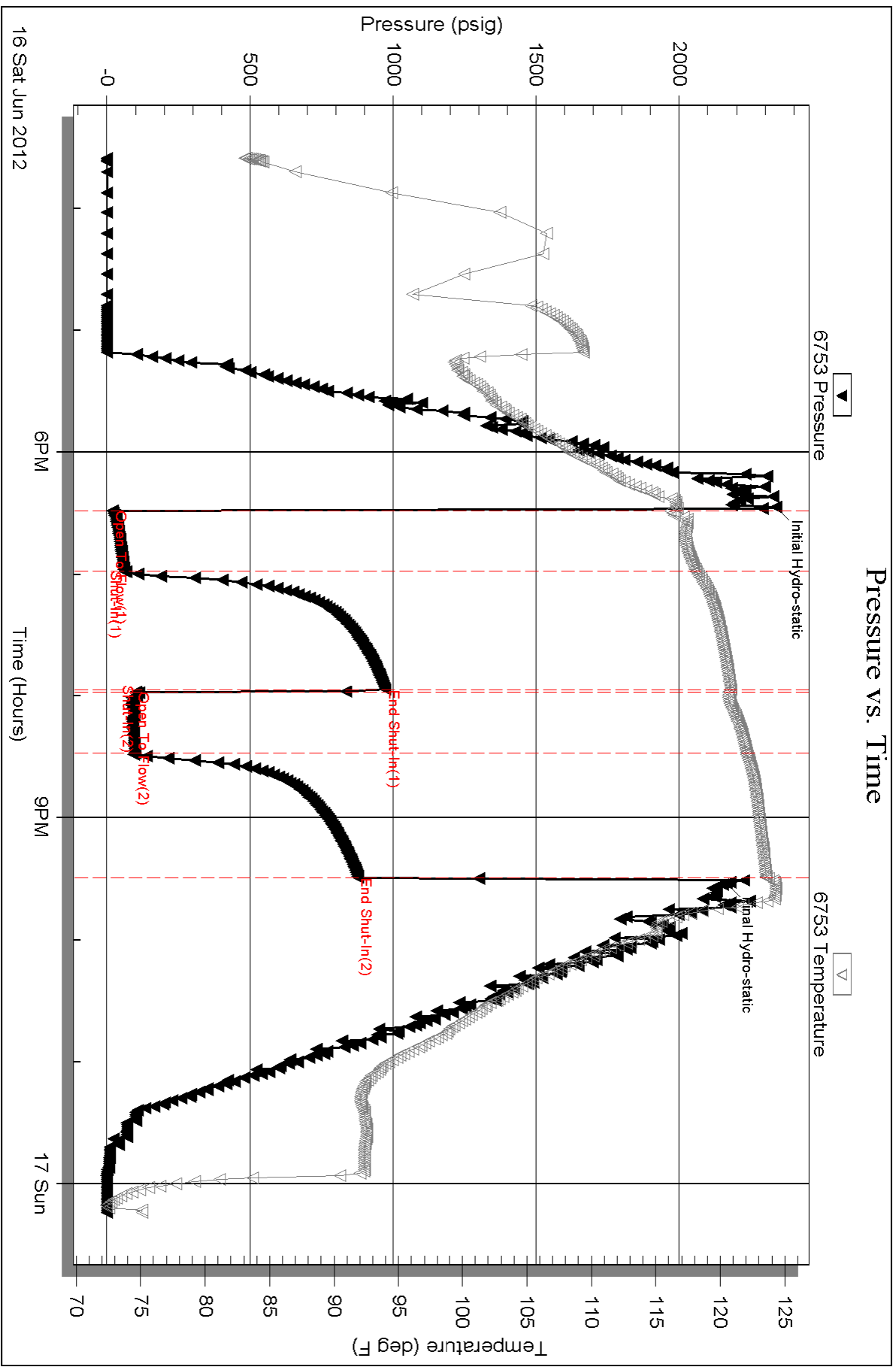
Serial #: 6753

Inside

Herrman L. Loeb, LLC

Peters D#3-10

DST Test Number: 3

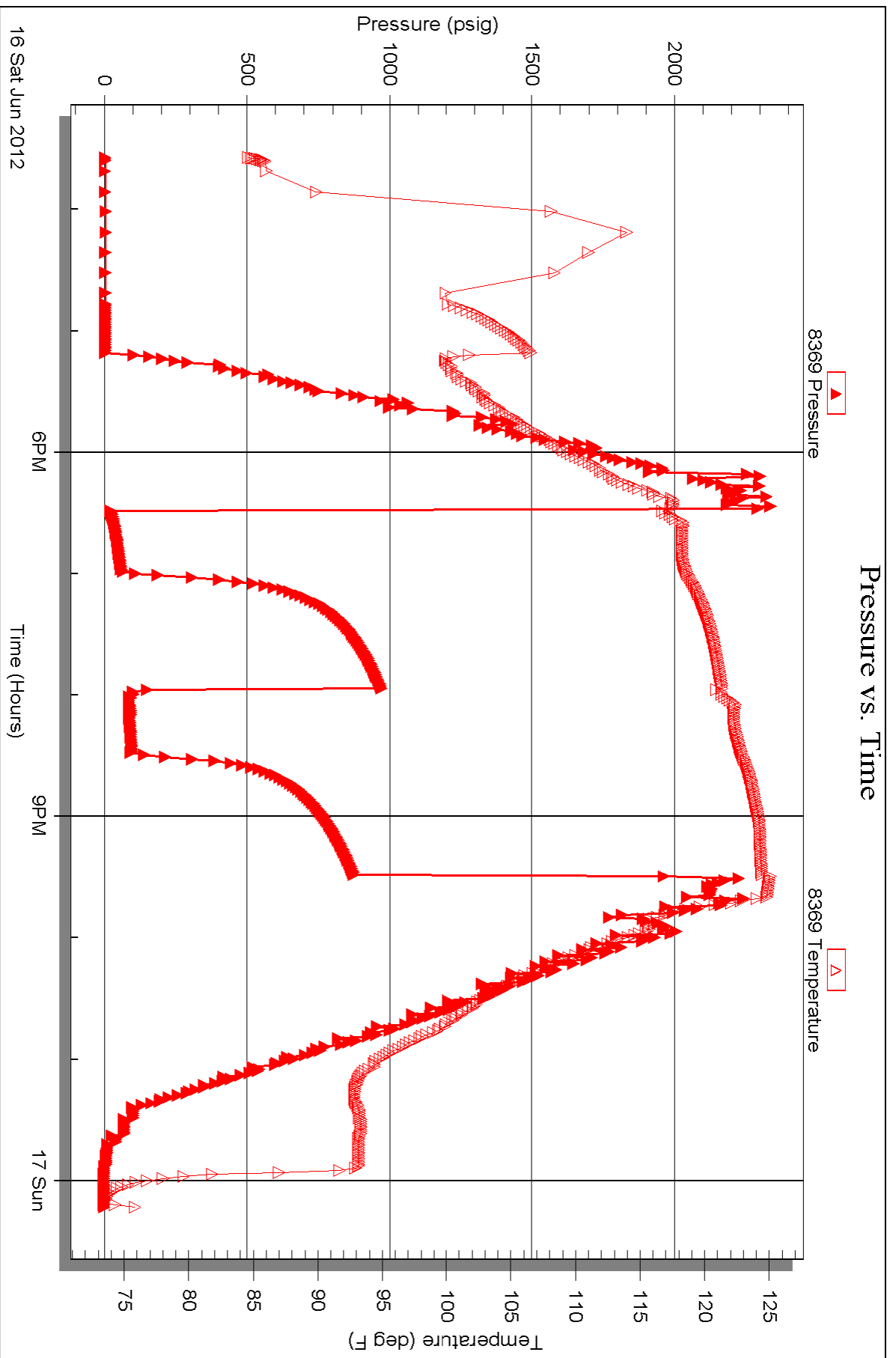


Serial #: 8369

Outside Herman L. Loeb, LLC

Peters D#3-10

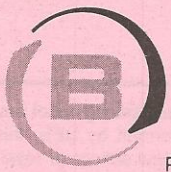
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 49253

Printed: 2012.06.20 @ 11:04:18



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET  
1718 05927 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 6-18-12		DISTRICT: KANSAS		NEW WELL <input checked="" type="checkbox"/>		OLD WELL <input type="checkbox"/>		PROD <input type="checkbox"/>		INJ <input type="checkbox"/>		WDW <input type="checkbox"/>		CUSTOMER ORDER NO.:	
CUSTOMER: Herman L. Lock LLC				LEASE: Peter's O #3-10				WELL NO.:							
ADDRESS:				COUNTY: Ness 10-16-26				STATE: KS							
CITY:				STATE:				SERVICE CREW: Allen, Joe Dale							
AUTHORIZED BY:				JOB TYPE: 5/2 L.S. w/ Pott collar				G.W.W.							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME					
28443 P.U.	1 1/2						6-17-12			1100					
33708-20920	1 1/2					ARRIVED AT JOB	6-17-12	AM	PM	1100					
19826-19918	1 1/2					START OPERATION	6-18-12	AM	PM	600					
						FINISH OPERATION	6-18-12	AM	PM	430					
						RELEASED	6-18-12	AM	PM						
						MILES FROM STATION TO WELL	100-miles								

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

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

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP104	50/50 Poz	SK	150		
CP103	60/40 Poz	SK	50		
CC102	cell FLAKP	lb	30		
CC113	Gypsum	lb	840		
CC129	F/A-322	lb	89		
CC201	Gilsonite	lb	1200		
C700	KCL Potassium Chloride	lb	433		
CF461	5/8 P.C. Blue	EA	1		
CF607	Latch down Plug + Baffle	EA	1		
CF1251	Auto Fill Float Shoe 5/2	EA	1		
CF1651	Turbolizer 5/2 Blue	EA	10		
CF1901	Basket Blue	EA	2		
CF2001	Cement scratcher Cable Type 5/2	EA	5		
CC151	muo Flush	gal	1000		

CHEMICAL / ACID DATA:


SUB TOTAL

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

TOTAL

SERVICE REPRESENTATIVE: Allen P. Wood

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)







PAGE	CUST NO	INVOICE DATE
1 of 1	1007589	06/08/2012
INVOICE NUMBER		
1718 - 90924745		

Pratt (620) 672-1201  
 B HERMAN L LOEB LLC  
 I PO Box: 838  
 L LAWRENCEVILLE  
 L IL US 62439  
 T  
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Peters D 3-10  
 O LOCATION  
 B COUNTY Ness  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T  
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40472783	19843		Net - 30 days	07/08/2012

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 06/07/2012 to 06/07/2012</i>				
0040472783				
171806503A Cement-New Well Casing/Pi 06/07/2012				
Cement 8 5/8" Surface				
60/40 POZ	215.00	EA	9.60	2,064.00 T
Celloflake	54.00	EA	2.96	159.84 T
Calcium Chloride	555.00	EA	0.84	466.20 T
"Wooden Cmt Plug, 8 5/8""	1.00	EA	128.00	128.00
"Unit Mileage Chg (PU, cars one way)"	100.00	MI	3.40	340.00
Heavy Equipment Mileage	200.00	MI	5.60	1,120.00
"Proppant & Bulk Del. Chgs., per ton mil	925.00	EA	1.28	1,184.00
Depth Charge; 0-500'	1.00	EA	800.00	800.00
Blending & Mixing Service Charge	215.00	BAG	1.12	240.80
Plug Container Util. Chg.	1.00	EA	200.00	200.00
"Service Supervisor, first 8 hrs on loc.	1.00	EA	140.00	140.00

761 Peters D  
 6420

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	6,842.84
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	169.47
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	7,012.31
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



Customer: <b>Hermin Loeb</b>	Lease No.:	Date: <b>06-07-12</b>
Lease: <b>Peter's D</b>	Well # <b>3-10</b>	
Field Order # <b>6503</b>	Station <b>PRATT K</b>	Casing <b>8 5/8</b>
Type Job <b>CNW 8 5/8 Surface</b>	Formation:	Depth <b>350</b>
		County <b>NESS</b>
		State <b>KS</b>
		Legal Description <b>10-16-26</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<b>8 5/8</b>							Max	5 Min.
Depth <b>350</b>	Depth	From	To	Pre Pad	Min			10 Min.
Volume <b>20</b>	Volume	From	To	Pad	Avg			15 Min.
Max Press <b>3000</b>	Max Press	From	To	Frac	HHP Used			Annulus Pressure
Well Connection <b>P.C.</b>	Annulus Vol.	From	To		Gas Volume			Total Load
Plug Depth <b>320</b>	Packer Depth	From	To	Flush				

Customer Representative: \_\_\_\_\_ Station Manager: **DAVE SCOTT** Treater: **Kolbert Jellison**

Service Units	37900	19880	19883	19959	19860				
Driver Names	Sullivan	Edman	Phye						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0:50 AM					on for softy merty
					Run 8 str 8 5/8 23 csg.
9:20					CASING ON BOTTOM
9:30					Work cap to circ w/ rig
9:35	150		3	3	At spacer
			46	4.5	mix cont 245 st 60/40/2 @ 14.5 ppf
					cont mix. st
				4	st ring
10:00	170		20		shc down
					circ 10 BOL to pit
					JOB COMPLETE
					Thank you