



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

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

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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  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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*  
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*  
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Flatirons Resources LLC
Well Name	Carpentier-Conner Unit 43-28
Doc ID	1076229

Tops

Name	Top	Datum
Anhydrite - top	2185	708
Anhydrite - base	2244	649
Topeka	3680	-787
Heebner	3922	-1029
Lansing	3964	-1071
Muncie Crk Sh	4148	-1255
Base/Kansas City	7328	-1435
Marmaton	4374	-1481
Ft. Scott	4498	-1605
Mississippian	4583	-1690
TD	4655	-1762

## Summary of Changes

Lease Name and Number: Carpentier-Conner Unit 43-28

API/Permit #: 15-101-22332-00-00

Doc ID: 1076229

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	03/08/2012	03/13/2012
Perf_Depth_4		4542
Perf_Material_2	4' HEC	4' HEC; 250gal 15% MCA
Perf_Material_3	4' HEC	4' HEC; 60 gal 15% MCA
Perf_Record_4		CIBP @4542
Plug Back Total Depth		4542
Save Link	../../kcc/detail/operatorE ditDetail.cfm?docID=10 69060	../../kcc/detail/operatorE ditDetail.cfm?docID=10 76229



**CONFIDENTIAL**

**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: \_\_\_\_\_



1069060

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
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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: _____ _____
---	---	--

Form	ACO1 - Well Completion
Operator	Flatirons Resources LLC
Well Name	Carpentier-Conner Unit 43-28
Doc ID	1069060

Tops

Name	Top	Datum
Anhydrite - top	2185	708
Anhydrite - base	2244	649
Topeka	3680	-787
Heebner	3922	-1029
Lansing	3964	-1071
Muncie Crk Sh	4148	-1255
Base/Kansas City	7328	-1435
Marmaton	4374	-1481
Ft. Scott	4498	-1605
Mississippian	4583	-1690
TD	4655	-1762



## DRILL STEM TEST REPORT

Prepared For: **Flatiron Resources LLC**

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203

ATTN: Gary Schaffer

**28-18s-30w Lane, KS**

**Carpentier Conner Unit #43-28**

Start Date: 2011.11.22 @ 19:07:00

End Date: 2011.11.23 @ 01:02:50

Job Ticket #: 45481                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.11.30 @ 11:38:44





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Flatiron Resources LLC

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203  
ATTN: Gary Schaffer

**Carpentier Conner Unit #43-28**

**28-18s-30w Lane, KS**

Job Ticket: 45481 **DST#: 1**

Test Start: 2011.11.22 @ 19:07:00

## GENERAL INFORMATION:

Formation: **LKC 'L'**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:19:50  
 Time Test Ended: 01:02:50  
 Interval: **4278.00 ft (KB) To 4323.00 ft (KB) (TVD)**  
 Total Depth: 4323.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Chuck Smith  
 Unit No: 37  
 Reference Elevations: 2892.00 ft (KB)  
 2884.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8018

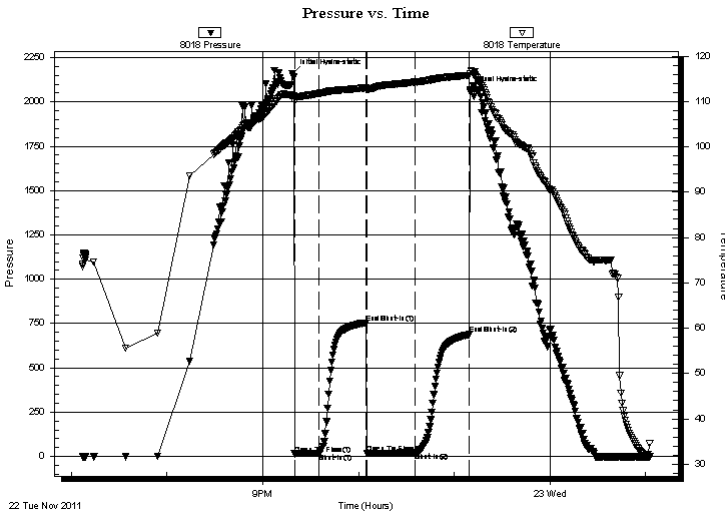
Inside

Press @ RunDepth: 20.43 psig @ 4282.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.11.22 End Date: 2011.11.23 Last Calib.: 2011.11.23  
 Start Time: 19:07:02 End Time: 01:02:49 Time On Btm: 2011.11.22 @ 21:18:30  
 Time Off Btm: 2011.11.22 @ 23:10:00

TEST COMMENT: 1/4" Blow died @ 11 min.  
 No return.  
 No blow.  
 No return.

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2160.93	111.31	Initial Hydro-static
2	14.69	109.97	Open To Flow (1)
17	17.42	111.81	Shut-In(1)
47	754.58	113.04	End Shut-In(1)
47	18.27	112.63	Open To Flow (2)
78	20.43	114.27	Shut-In(2)
111	687.79	115.80	End Shut-In(2)
112	2066.41	116.29	Final Hydro-static



## Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100m	0.14

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Flatiron Resources LLC

**Carpentier Conner Unit #43-28**

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203  
ATTN: Gary Schaffer

**28-18s-30w Lane, KS**

Job Ticket: 45481 **DST#: 1**

Test Start: 2011.11.22 @ 19:07:00

## Tool Information

Drill Pipe:	Length: 4283.00 ft	Diameter: 3.80 inches	Volume: 60.08 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.50 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4278.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	72.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4251.50	
Shut In Tool	5.00			4256.50	
Hydraulic tool	5.00			4261.50	
Jars	5.00			4266.50	
Safety Joint	2.50			4269.00	
Packer	5.00			4274.00	27.50 Bottom Of Top Packer
Packer	4.00			4278.00	
Stubb	1.00			4279.00	
Perforations	3.00			4282.00	
Recorder	0.00	8018	Inside	4282.00	
Recorder	0.00	6751	Outside	4282.00	
Change Over Sub	1.00			4283.00	
Drill Pipe	31.00			4314.00	
Change Over Sub	1.00			4315.00	
Perforations	5.00			4320.00	
Bullnose	3.00			4323.00	45.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>72.50</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Flatiron Resources LLC

**Carpentier Conner Unit #43-28**

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203  
ATTN: Gary Schaffer

**28-18s-30w Lane, KS**

Job Ticket: 45481      **DST#: 1**

Test Start: 2011.11.22 @ 19:07:00

## 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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.16 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

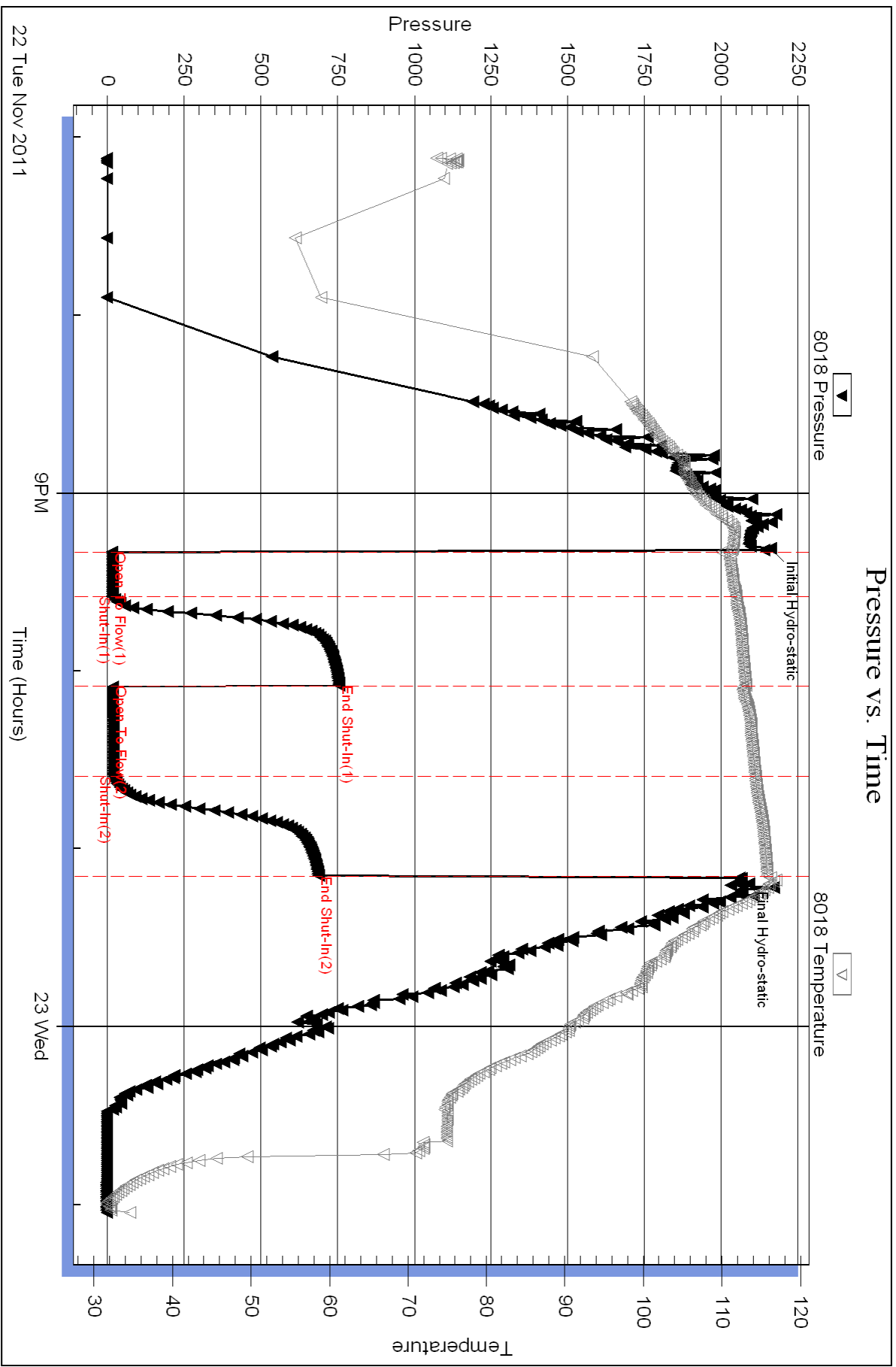
Length ft	Description	Volume bbl
10.00	OSM 100m	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

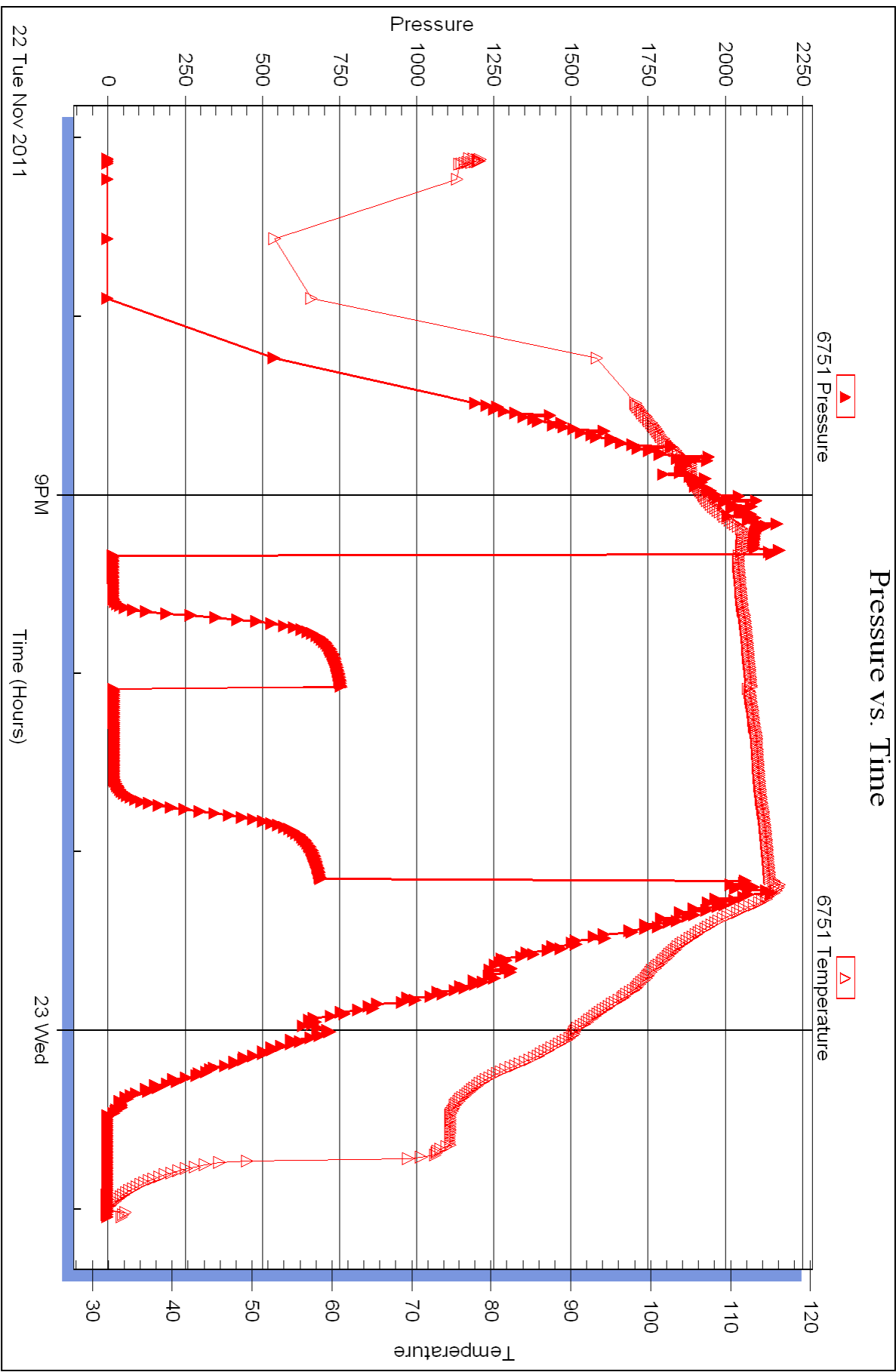


Serial #: 6751

Outside Flatiron Resources LLC

28-18s-30w Lane, KS

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Flatiron Resources LLC**

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203

ATTN: Gary Schaffer

**28-18s-30w Lane, KS**

**Carpentier Conner Unit #43-28**

Start Date: 2011.11.23 @ 16:00:00

End Date: 2011.11.24 @ 00:04:39

Job Ticket #: 45482                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.11.30 @ 11:39:37

Flatiron Resources LLC

Carpentier Conner Unit #43-28

28-18s-30w Lane, KS

DST # 2

Marmaton

2011.11.23



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Flatiron Resources LLC

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203  
ATTN: Gary Schaffer

**Carpentier Conner Unit #43-28**

**28-18s-30w Lane, KS**

Job Ticket: 45482 **DST#: 2**

Test Start: 2011.11.23 @ 16:00:00

## GENERAL INFORMATION:

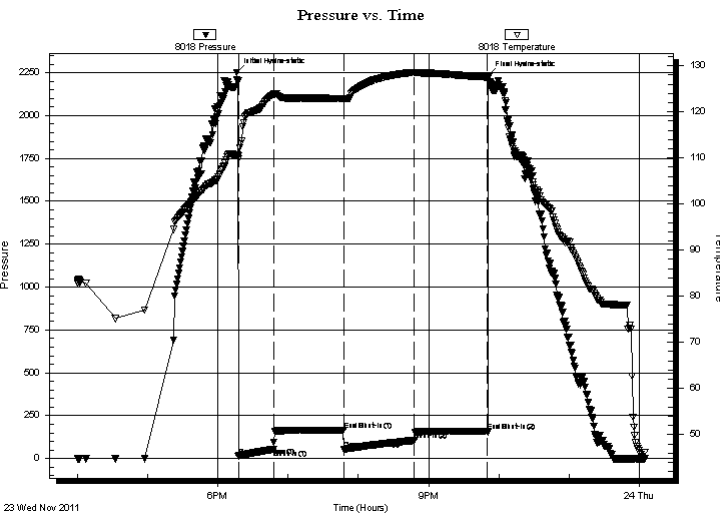
Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:17:20  
 Time Test Ended: 00:04:39  
 Interval: **4383.00 ft (KB) To 4412.00 ft (KB) (TVD)**  
 Total Depth: 4412.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Smith  
 Unit No: 37  
 Reference Elevations: 2892.00 ft (KB)  
 2884.00 ft (CF)  
 KB to GR/CF: 8.00 ft

## Serial #: 8018

Inside

Press @ Run Depth: 105.51 psig @ 4387.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.11.23 End Date: 2011.11.24 Last Calib.: 2011.11.24  
 Start Time: 16:00:02 End Time: 00:04:40 Time On Btm: 2011.11.23 @ 18:15:50  
 Time Off Btm: 2011.11.23 @ 21:51:09

TEST COMMENT: 6" Blow.  
No return.  
8" Blow.  
No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2251.31	110.57	Initial Hydro-static
2	14.22	109.76	Open To Flow (1)
32	53.79	123.79	Shut-In(1)
92	165.06	122.86	End Shut-In(1)
92	54.40	122.79	Open To Flow (2)
152	105.51	128.53	Shut-In(2)
215	159.48	127.51	End Shut-In(2)
216	2233.13	127.55	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	MW 50m 50w Oil spots in tool.	1.74
76.00	WM 10w 90m	1.07

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Flatiron Resources LLC

**Carpentier Conner Unit #43-28**

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203  
ATTN: Gary Schaffer

**28-18s-30w Lane, KS**

Job Ticket: 45482 **DST#: 2**

Test Start: 2011.11.23 @ 16:00:00

## Tool Information

Drill Pipe:	Length: 4377.00 ft	Diameter: 3.80 inches	Volume: 61.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.50 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4383.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	56.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4356.50	
Shut In Tool	5.00			4361.50	
Hydraulic tool	5.00			4366.50	
Jars	5.00			4371.50	
Safety Joint	2.50			4374.00	
Packer	5.00			4379.00	27.50 Bottom Of Top Packer
Packer	4.00			4383.00	
Stubb	1.00			4384.00	
Perforations	3.00			4387.00	
Recorder	0.00	8018	Inside	4387.00	
Recorder	0.00	6751	Outside	4387.00	
Perforations	22.00			4409.00	
Bullnose	3.00			4412.00	29.00 Bottom Packers & Anchor

**Total Tool Length: 56.50**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Flatiron Resources LLC

**Carpentier Conner Unit #43-28**

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203  
ATTN: Gary Schaffer

**28-18s-30w Lane, KS**

Job Ticket: 45482      **DST#: 2**

Test Start: 2011.11.23 @ 16:00:00

## 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:	45000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

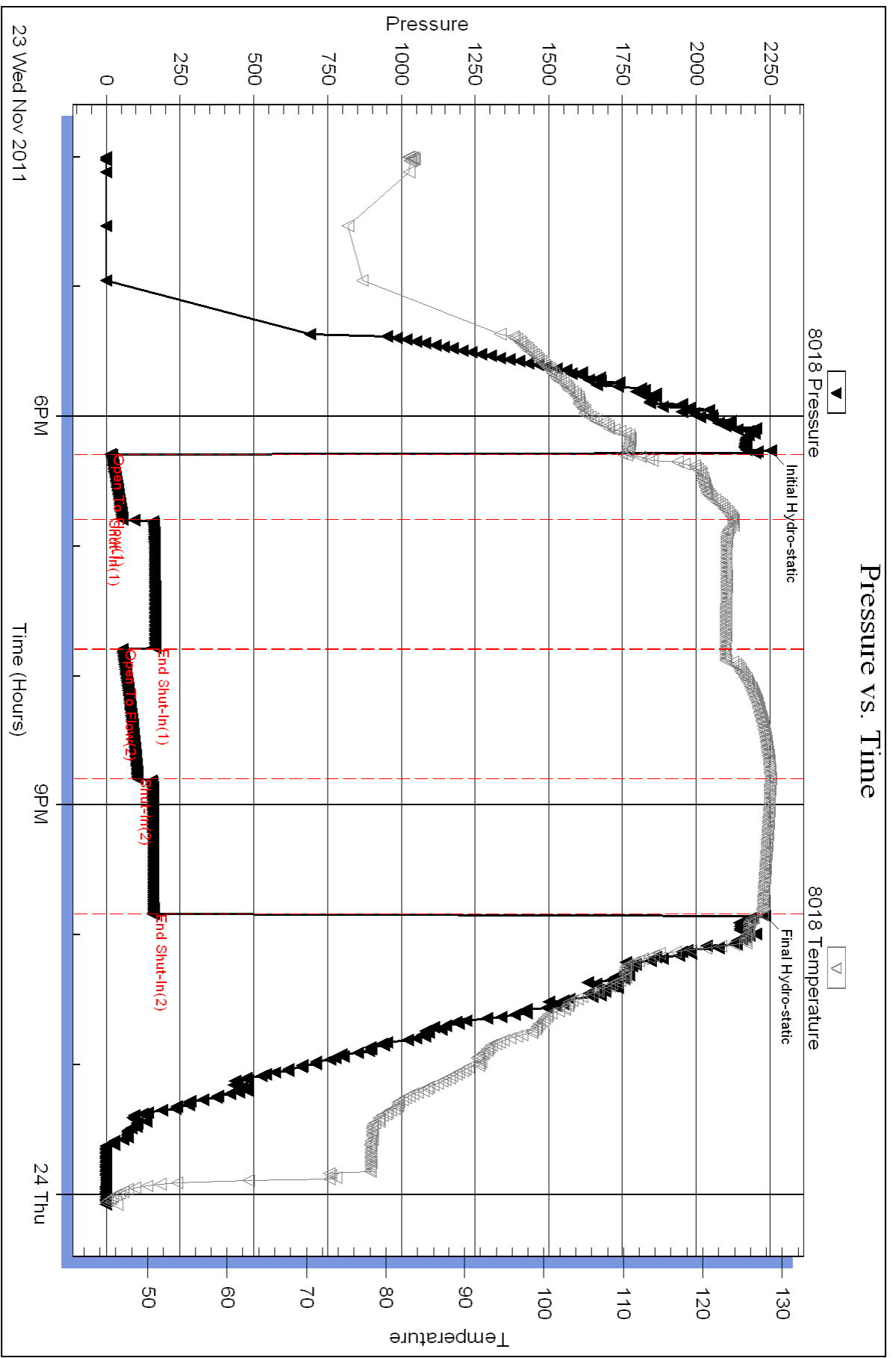
Length ft	Description	Volume bbl
124.00	MW 50m 50w Oil spots in tool.	1.739
76.00	WM 10w 90m	1.066

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: Rw .201 @ 60 deg F

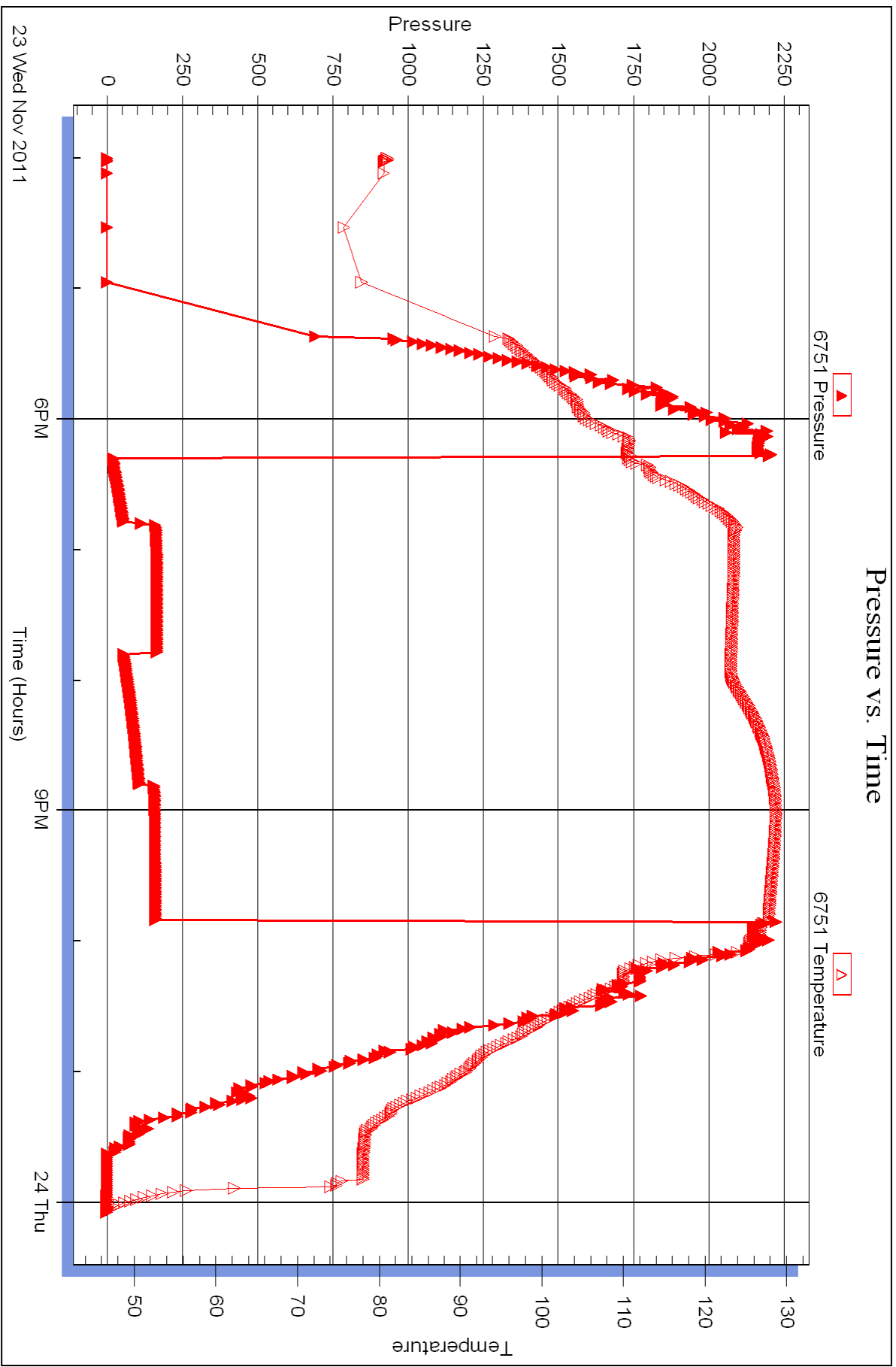


Serial #: 6751

Outside Flatiron Resources LLC

28-18s-30w Lane, KS

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 45482

Printed: 2011.11.30 @ 11:39:39



## DRILL STEM TEST REPORT

Prepared For: **Flatiron Resources LLC**

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203

ATTN: Gary Schaffer

**28-18s-30w Lane, KS**

**Carpentier Conner Unit #43-28**

Start Date: 2011.11.24 @ 17:10:00

End Date: 2011.11.25 @ 00:26:30

Job Ticket #: 45483                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.11.30 @ 11:40:13



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Flatiron Resources LLC  
 303 E. 17th Ave.  
 Suite 940  
 Denver, CO 80203  
 ATTN: Gary Schaffer

**Carpentier Conner Unit #43-28**  
**28-18s-30w Lane, KS**  
 Job Ticket: 45483 **DST#: 3**  
 Test Start: 2011.11.24 @ 17:10:00

## GENERAL INFORMATION:

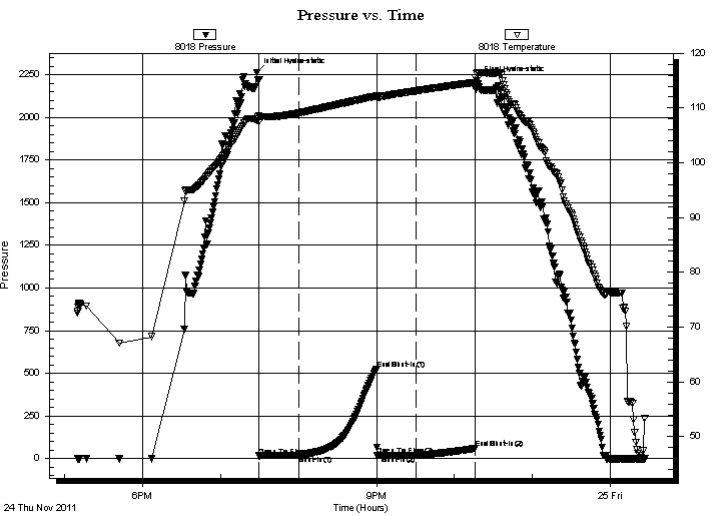
Formation: **Myric St. / Ft. Scot**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 19:29:40 Tester: Chuck Smith  
 Time Test Ended: 00:26:30 Unit No: 37  
 Interval: **4461.00 ft (KB) To 4510.00 ft (KB) (TVD)** Reference Elevations: 2892.00 ft (KB)  
 Total Depth: 4510.00 ft (KB) (TVD) 2884.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 8.00 ft

## Serial #: 8018

Inside

Press @ Run Depth: 19.23 psig @ 4464.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.11.24 End Date: 2011.11.25 Last Calib.: 2011.11.25  
 Start Time: 17:10:02 End Time: 00:26:30 Time On Btm: 2011.11.24 @ 19:28:00  
 Time Off Btm: 2011.11.24 @ 22:17:00

TEST COMMENT: 1/2" Blow receded to weak surface blow.  
 No return.  
 No blow.  
 No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2263.94	107.73	Initial Hydro-static
2	15.30	107.55	Open To Flow (1)
32	17.78	109.09	Shut-In(1)
92	525.35	112.19	End Shut-In(1)
93	19.31	111.92	Open To Flow (2)
123	19.23	113.14	Shut-In(2)
168	60.01	114.70	End Shut-In(2)
169	2216.44	116.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 1 to 99m	0.14

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Flatiron Resources LLC

**Carpentier Conner Unit #43-28**

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203  
ATTN: Gary Schaffer

**28-18s-30w Lane, KS**

Job Ticket: 45483 **DST#: 3**

Test Start: 2011.11.24 @ 17:10:00

## Tool Information

Drill Pipe:	Length: 4442.00 ft	Diameter: 3.80 inches	Volume: 62.31 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 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: 80000.00 lb
			<u>Total Volume: 62.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.50 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4461.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	76.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4434.50	
Shut In Tool	5.00			4439.50	
Hydraulic tool	5.00			4444.50	
Jars	5.00			4449.50	
Safety Joint	2.50			4452.00	
Packer	5.00			4457.00	27.50 Bottom Of Top Packer
Packer	4.00			4461.00	
Stubb	1.00			4462.00	
Perforations	2.00			4464.00	
Recorder	0.00	8018	Inside	4464.00	
Recorder	0.00	6751	Outside	4464.00	
Perforations	10.00			4474.00	
Change Over Sub	1.00			4475.00	
Drill Pipe	31.00			4506.00	
Change Over Sub	1.00			4507.00	
Bullnose	3.00			4510.00	49.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>76.50</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Flatiron Resources LLC  
303 E. 17th Ave.  
Suite 940  
Denver, CO 80203  
ATTN: Gary Schaffer

**Carpentier Conner Unit #43-28**  
**28-18s-30w Lane, KS**  
Job Ticket: 45483      **DST#: 3**  
Test Start: 2011.11.24 @ 17:10:00

## 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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.16 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 1o 99m	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

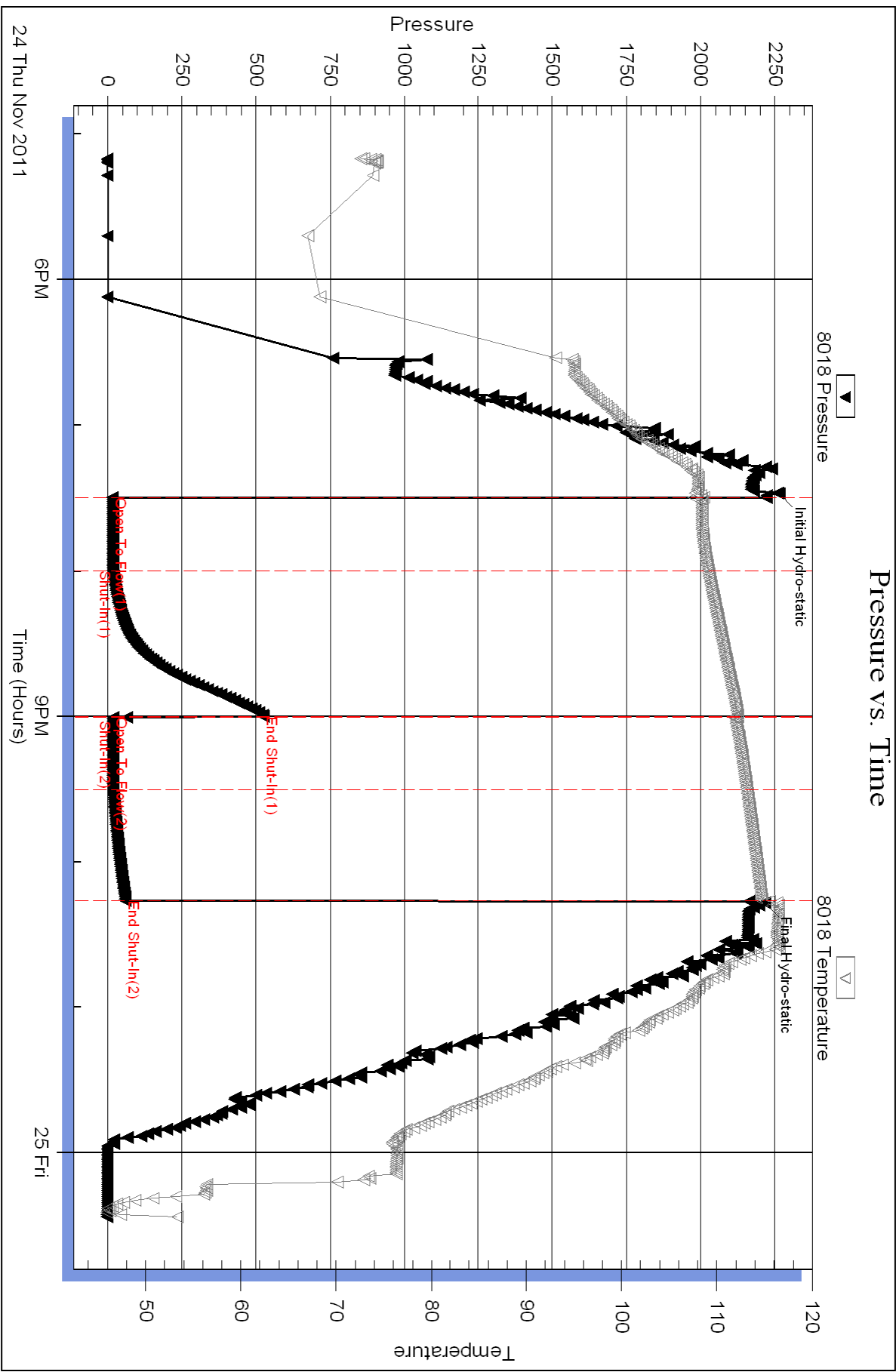
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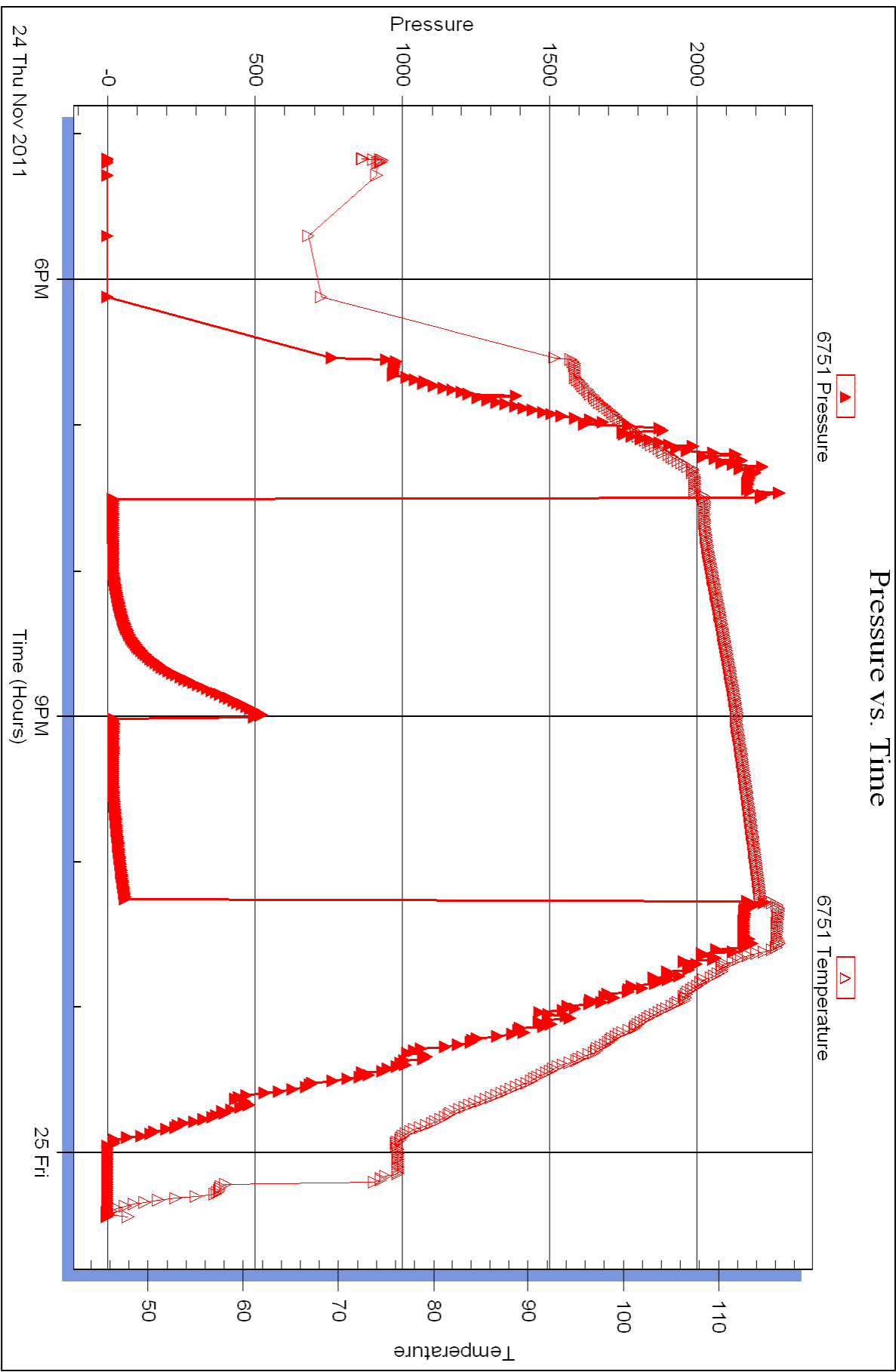
Inside

Flatiron Resources LLC

28-18s-30w Lane, KS

DST Test Number: 3







## DRILL STEM TEST REPORT

Prepared For: **Flatiron Resources LLC**

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203

ATTN: Gary Schaffer

**28-18s-30w Lane, KS**

**Carpentier Conner Unit #43-28**

Start Date: 2011.11.25 @ 15:38:00

End Date: 2011.11.25 @ 22:34:00

Job Ticket #: 45484                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.11.30 @ 11:41:02

Flatiron Resources LLC

Carpentier Conner Unit #43-28

28-18s-30w Lane, KS

DST # 4

Johnson

2011.11.25



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Flatiron Resources LLC

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203  
ATTN: Gary Schaffer

**Carpentier Conner Unit #43-28**

**28-18s-30w Lane, KS**

Job Ticket: 45484 **DST#: 4**

Test Start: 2011.11.25 @ 15:38:00

## GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:39:30  
 Time Test Ended: 22:34:00  
 Interval: **4531.00 ft (KB) To 4573.00 ft (KB) (TVD)**  
 Total Depth: 4573.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Smith  
 Unit No: 37  
 Reference Elevations: 2892.00 ft (KB)  
 2884.00 ft (CF)  
 KB to GR/CF: 8.00 ft

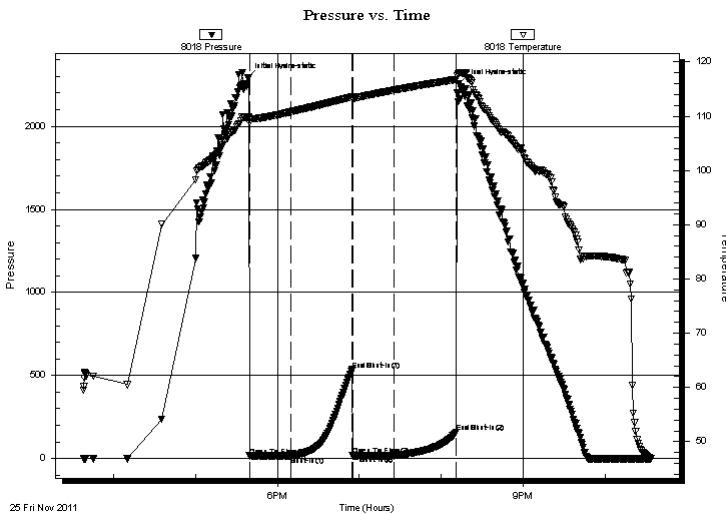
## Serial #: 8018

Inside

Press @ Run Depth: 17.20 psig @ 4535.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.11.25 End Date: 2011.11.25 Last Calib.: 2011.11.25  
 Start Time: 15:38:02 End Time: 22:34:00 Time On Btm: 2011.11.25 @ 17:38:10  
 Time Off Btm: 2011.11.25 @ 20:12:50

TEST COMMENT: 1/4" Blow receded to surface blow.  
 No return.  
 No blow.  
 No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2295.55	109.80	Initial Hydro-static
2	15.93	108.76	Open To Flow (1)
32	16.82	110.79	Shut-In(1)
77	535.25	113.53	End Shut-In(1)
77	17.26	113.17	Open To Flow (2)
108	17.20	114.79	Shut-In(2)
153	158.82	116.77	End Shut-In(2)
155	2256.71	117.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
6.00	OCM 50 95m	0.08

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Flatiron Resources LLC

**Carpentier Conner Unit #43-28**

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203  
ATTN: Gary Schaffer

**28-18s-30w Lane, KS**

Job Ticket: 45484 **DST#: 4**

Test Start: 2011.11.25 @ 15:38:00

## Tool Information

Drill Pipe:	Length: 4506.00 ft	Diameter: 3.80 inches	Volume: 63.21 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 63.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.50 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4531.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	69.50 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4504.50	
Shut In Tool	5.00			4509.50	
Hydraulic tool	5.00			4514.50	
Jars	5.00			4519.50	
Safety Joint	2.50			4522.00	
Packer	5.00			4527.00	27.50 Bottom Of Top Packer
Packer	4.00			4531.00	
Stubb	1.00			4532.00	
Perforations	3.00			4535.00	
Recorder	0.00	8018	Inside	4535.00	
Recorder	0.00	6751	Outside	4535.00	
Perforations	2.00			4537.00	
Change Over Sub	1.00			4538.00	
Drill Pipe	31.00			4569.00	
Change Over Sub	1.00			4570.00	
Bullnose	3.00			4573.00	42.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>69.50</b>				





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Flatiron Resources LLC

**Carpentier Conner Unit #43-28**

303 E. 17th Ave.  
Suite 940  
Denver, CO 80203  
ATTN: Gary Schaffer

**28-18s-30w Lane, KS**

Job Ticket: 45484      **DST#: 4**

Test Start: 2011.11.25 @ 15:38:00

## 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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2400.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	OCM 5o 95m	0.084

Total Length: 6.00 ft      Total Volume: 0.084 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

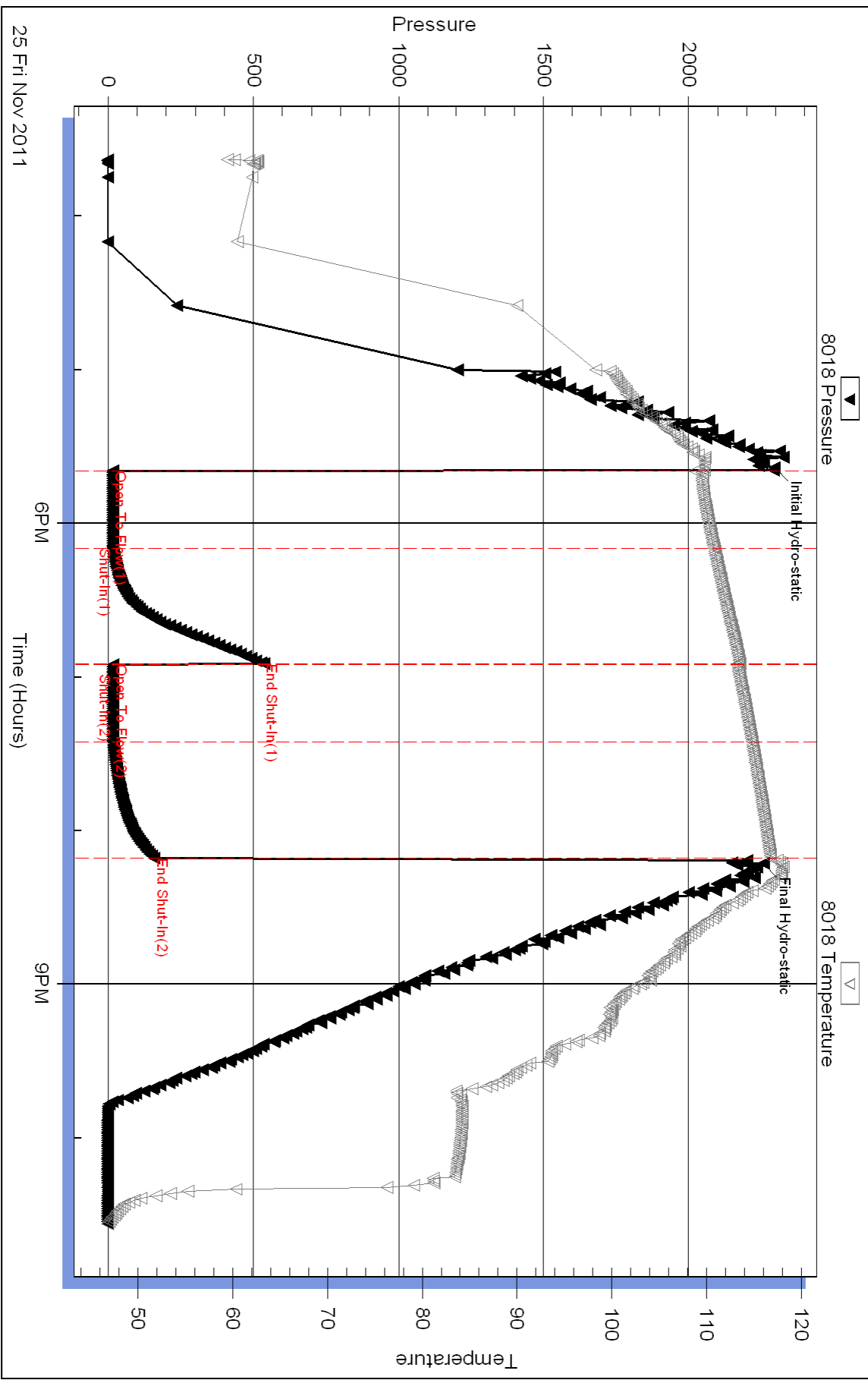
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

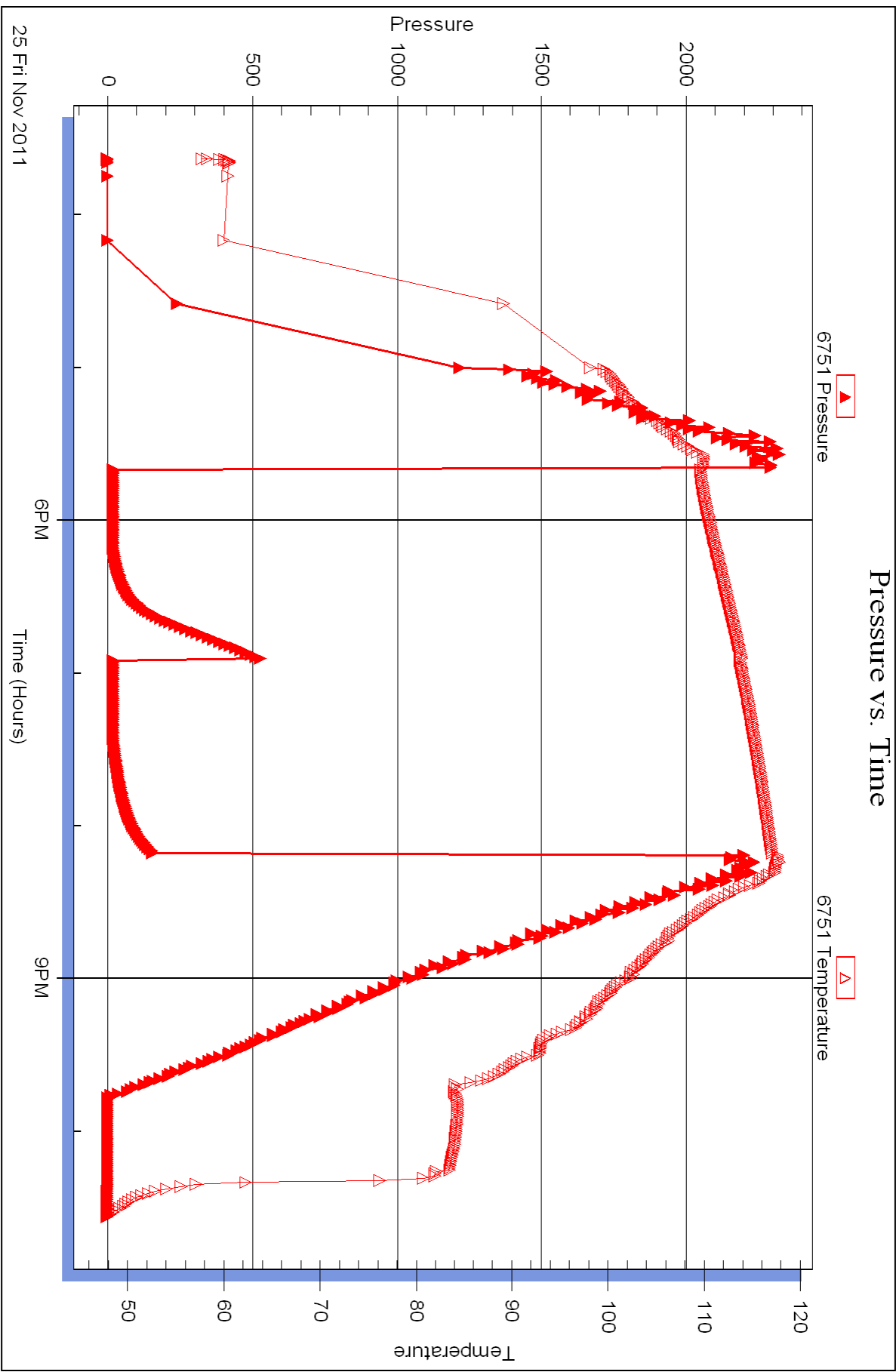


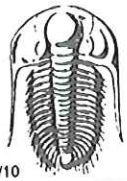
Serial #: 6751

Outside Patton Resources LLC

28-18s-30w Lane, KS

DST Test Number: 4





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
NOV 23 2011

## Test Ticket

NO. 45481

Well Name & No. Carpentier Conner Unit 43-28 Test No. 1 Date 11-22-11  
 Company Flatiron Resources LLC Elevation 2892 KB 2884 GL  
 Address 303 E. 17th Ave. Ste 940 Denver, CO 80203  
 Co. Rep / Geo. Gary Schaffer Rig Val#4  
 Location: Sec. 28 Twp. 18s Rge. 30w Co. Lane State Ks

Interval Tested 4278-4323 Zone Tested LKC 'L'  
 Anchor Length 45 Drill Pipe Run 4283 Mud Wt. 9.1  
 Top Packer Depth 4274 Drill Collars Run 0 Vis 53  
 Bottom Packer Depth 4278 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4323 Chlorides 2800 ppm System LCM 2  
 Blow Description 1/4" Blow died @ 11 min.  
No return.  
No blow.  
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>0.5M</u>			<u>100</u>	<u>%mud</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 116 Gravity — API RW @ °F Chlorides — ppm

(A) Initial Hydrostatic 2161  Test 1225' T-On Location 18:00  
 (B) First Initial Flow 15  Jars 250' T-Started 19:07  
 (C) First Final Flow 17  Safety Joint 75' T-Open 21:20  
 (D) Initial Shut-In 255  Circ Sub N/C T-Pulled 23:09  
 (E) Second Initial Flow 18  Hourly Standby — T-Out 1:03  
 (F) Second Final Flow 20  Mileage 35PT 49' Comments —  
 (G) Final Shut-In 688  Sampler —  
 (H) Final Hydrostatic 2066  Straddle —  Ruined Shale Packer —  
 Shale Packer —  Ruined Packer —  
 Extra Packer —  Extra Copies —  
 Extra Recorder — Sub Total Ø  
 Day Standby — Total 1749'  
 Accessibility 150' MP/DST Disc't —

Approved By [Signature] Our Representative Chuck Smith

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
NOV 23 2011

## Test Ticket

NO. 45482

BY: \_\_\_\_\_ Date 11-23-11  
 Well Name & No. Carpentier Conner Unit 43-28 Test No. 2 Elevation 2892 KB 2884 GL  
 Company Flatiron Resources, LLC  
 Address 303 E 17th Ave. Ste 940 Denver, CO 80203  
 Co. Rep / Geo. Gary Shaffer Rig Val #4 State KS  
 Location: Sec. 28 Twp. 18.5 Rge. 30w Co. Lane

Interval Tested 4383-4412 Zone Tested Lower Marmaton  
 Anchor Length 29 Drill Pipe Run 4377 Mud Wt. 9.3  
 Top Packer Depth 4479 Drill Collars Run 0 Vis 51  
 Bottom Packer Depth 4483 Wt. Pipe Run 0 WL 6.0  
 Total Depth 4412 Chlorides 2500 ppm System LCM 2  
 Blow Description 6" Blow.

No return  
8" Blow.  
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>76</u>	<u>WM</u>			<u>10</u>	<u>90</u>
<u>124</u>	<u>MW Oil spots in tool.</u>			<u>50</u>	<u>50</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 200 BHT 128 Gravity — API RW .201 @ 60° F Chlorides 45,000 ppm  
 (A) Initial Hydrostatic 2251  Test 1225' T-On Location 15:45  
 (B) First Initial Flow 14  Jars 250' T-Started 16:00  
 (C) First Final Flow 54  Safety Joint 75' T-Open 18:17  
 (D) Initial Shut-In 165  Circ Sub N/C T-Pulled 21:50  
 (E) Second Initial Flow 54  Hourly Standby \_\_\_\_\_ T-Out 0:05  
 (F) Second Final Flow 106  Mileage 35RT 49' Comments \_\_\_\_\_  
 (G) Final Shut-In 159  Sampler \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 (H) Final Hydrostatic 2233  Straddle \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 60

Accessibility 150'  
 Sub Total 1749'

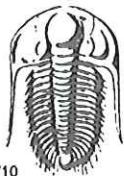
Sub Total 0  
 Total 1749'  
 MP/DST Disc't \_\_\_\_\_

Approved By [Signature]

Our Representative 1599 [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED  
NOV 28 2011

## Test Ticket

NO. 45483

4/10

Well Name & No. Carpentier Conner Unit 43-28 Test No. 3 Date 11-24-11  
 Company Flatiron Resources, LLC Elevation 2892 KB 2884 GL  
 Address 303 E. 17th Ave. Ste. 940 Denver, CO 80203  
 Co. Rep / Geo. Gary Schaffer Rig Val#4  
 Location: Sec. 28 Twp. 18s Rge. 30w Co. Lane State KS

Interval Tested 4461-4510 Zone Tested Myric St. - Fr. Scott  
 Anchor Length 49 Drill Pipe Run 4442 Mud Wt. 9.2  
 Top Packer Depth 4457 Drill Collars Run 0 Vis 57  
 Bottom Packer Depth 4461 Wt. Pipe Run 0 WL 6.4  
 Total Depth 4510 Chlorides 2000 ppm System LCM 2  
 Blow Description 1/2" Blow receded to weak surface blow.  
No return.  
No blow.  
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec	<u>10</u> Feet of <u>OCM</u>		<u>1</u> %oil		<u>99</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 115 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2264  Test 1225' T-On Location 16:30  
 (B) First Initial Flow 15  Jars 250' T-Started 17:10  
 (C) First Final Flow 18  Safety Joint 75' T-Open 19:30  
 (D) Initial Shut-In 525  Circ Sub N/C T-Pulled 22:16  
 (E) Second Initial Flow 19  Hourly Standby — T-Out 00:26  
 (F) Second Final Flow 19  Mileage 35RT 49' Comments —  
 (G) Final Shut-In 60  Sampler —  
 (H) Final Hydrostatic 2216  Straddle —  Ruined Shale Packer —  
 Shale Packer —  Ruined Packer —  
 Extra Packer —  Extra Copies —  
 Initial Open 30  Extra Recorder — Sub Total 0  
 Initial Shut-In 60  Day Standby — Total 1749  
 Final Flow 30  Accessibility 150 MP/DST Disc't —  
 Final Shut-In 45 Sub Total 1749

Approved By [Signature] Our Representative Chuck Smith

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

NOV 23 2011

## Test Ticket

NO. 45484

BY: \_\_\_\_\_

Well Name & No. Carpentier Conner Unit 43-28 Test No. 4 Date 11-25-11  
 Company Flatiron Resources, LLC Elevation 2892 KB 2884 GL  
 Address 303 E. 17th Ave. Ste. 940 Denver, CO 80203  
 Co. Rep / Geo. Gary Schaffer Rig Val #4  
 Location: Sec. 28 Twp. 18s Rge. 30w Co. Lane State KS

Interval Tested 4531 - 4573 Zone Tested Johnson  
 Anchor Length 42 Drill Pipe Run 4506 Mud Wt. 9.3  
 Top Packer Depth 4527 Drill Collars Run 0 Vis 55  
 Bottom Packer Depth 4531 Wt. Pipe Run 0 WL 6.4  
 Total Depth 4573 Chlorides 2400 ppm System LCM 2

Blow Description 1/4" Blow receded to surface blow

No return  
No blow  
No return

Rec	Feet of	%gas	%oil	%water	%mud
6	Feet of <u>OCM to</u>		5		95
	Feet of				
	Feet of				
	Feet of				

Rec Total 6 BHT 117 Gravity - API RW - @ - ° F Chlorides - ppm

- (A) Initial Hydrostatic 2296  Test 1225'
- (B) First Initial Flow 14  Jars 250'
- (C) First Final Flow 17  Safety Joint 75'
- (D) Initial Shut-In 535  Circ Sub 50'
- (E) Second Initial Flow 17  Hourly Standby
- (F) Second Final Flow 17  Mileage 35RT 49'
- (G) Final Shut-In 159  Sampler
- (H) Final Hydrostatic 2257  Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility 150

T-On Location 15:30  
 T-Started 15:38  
 T-Open 17:40  
 T-Pulled 20:11  
 T-Out 22:34

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 30  
 Final Shut-In 45

Comments \_\_\_\_\_  
 Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total 8  
 Total 1799  
 MP/DST Disc't \_\_\_\_\_

Sub Total 1880 1799  
1849

Approved By [Signature]

Our Representative Chuck Smith

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.









# ALLIED CEMENTING CO., LLC. 036149

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Oakley, KS

DATE <u>12-21-11</u>	SEC. <u>28</u>	TWP. <u>18</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>12/29/11</u>	JOB START <u>3:00pm</u>	JOB FINISH <u>4:30pm</u>
LEASE <u>Conner</u>	WELL# <u>43-28</u>	LOCATION <u>Amy, Ks 25, 1W, Nink</u>			COUNTY <u>Lane</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one)							

CONTRACTOR H2 Plains  
 TYPE OF JOB production port collar  
 HOLE SIZE 7 7/8 T.D.  
 CASING SIZE 5 7/8 DEPTH  
 TUBING SIZE 2 7/8 DEPTH 3815'  
 DRILL PIPE DEPTH  
 TOOL port collar DEPTH 2144'  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT 12.44 bbl  
 EQUIPMENT  
 PUMP TRUCK CEMENTER Lakene  
 # 431 HELPER Darren  
 BULK TRUCK  
 # 394/287 DRIVER Ethan  
 BULK TRUCK  
 # DRIVER

OWNER same  
 CEMENT  
 AMOUNT ORDERED 450 sks Lite 1/2 #50  
5# gilsonite / 15 gal on side  
2 sand on side  
 COMMON @  
 POZMIX @  
 GEL 15 sks @ 21.25 318.75  
 CHLORIDE @  
 ASC @  
Lite type II 380 sks @ 14.50 4985.00  
 sand 2 sks @ 13.10 26.20  
Flowcal 165 # @ 2.70 445.50  
gilsonite 1650 # @ .89 1468.50  
 HANDLING 392 sks @ 2.25 1242.00  
 MILEAGE 118 sk/mile 2732.80  
 TOTAL 11617.35

REMARKS:

Load hole of spot sand, pulled to port  
pressure system to 1500 #  
Mix 330 # cement / test on line  
cement did not circulate  
Close port collar & pressure to 1500 #  
run in spools and basket

Thank you

SERVICE

DEPTH OF JOB 3815' 2144'  
 PUMP TRUCK CHARGE 2225.00  
 EXTRA FOOTAGE @  
 MILEAGE 45 @ 7.00 315.00  
 MANIFOLD @  
L.H. mileage @ 4.00 180.00  
 TOTAL 2720.00

CHARGE TO: Flation Resources  
 STREET  
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT:

@  
 @  
 @  
 @  
 @  
 TOTAL

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cements and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME  
 SIGNATURE Brent Hill

SALES TAX (If Any)  
 TOTAL CHARGES  
 DISCOUNT IF PAID IN 30 DAYS

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

March 08, 2012

John Marvin  
Flatirons Resources LLC  
303 E 17TH AVE STE 940  
DENVER, CO 80203

Re: ACO1  
API 15-101-22332-00-00  
Carpentier-Conner Unit 43-28  
SE/4 Sec.28-18S-30W  
Lane 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.

Respectfully,  
John Marvin