



## DRILL STEM TEST REPORT

Prepared For: **Castle Resources, Inc**

PO Box 87  
Schoenchen KS 67667

ATTN: Gerry Green

### **Pfannenstiel #2**

### **11-5s-18w Phillips KS**

Start Date: 2014.09.15 @ 06:07:05

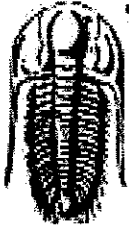
End Date: 2014.09.15 @ 10:01:30

Job Ticket #: 59351                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.17 @ 11:11:44





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Castle Resources, Inc

**11-5s-18w Phillips KS**

PO Box 87  
Schoenchen KS 67667

**Pfannenstiel #2**

Job Ticket: 59351

**DST#: 1**

ATTN: Gerry Green

Test Start: 2014.09.15 @ 06:07:05

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl

Total Length:

ft

Total Volume:

bbbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

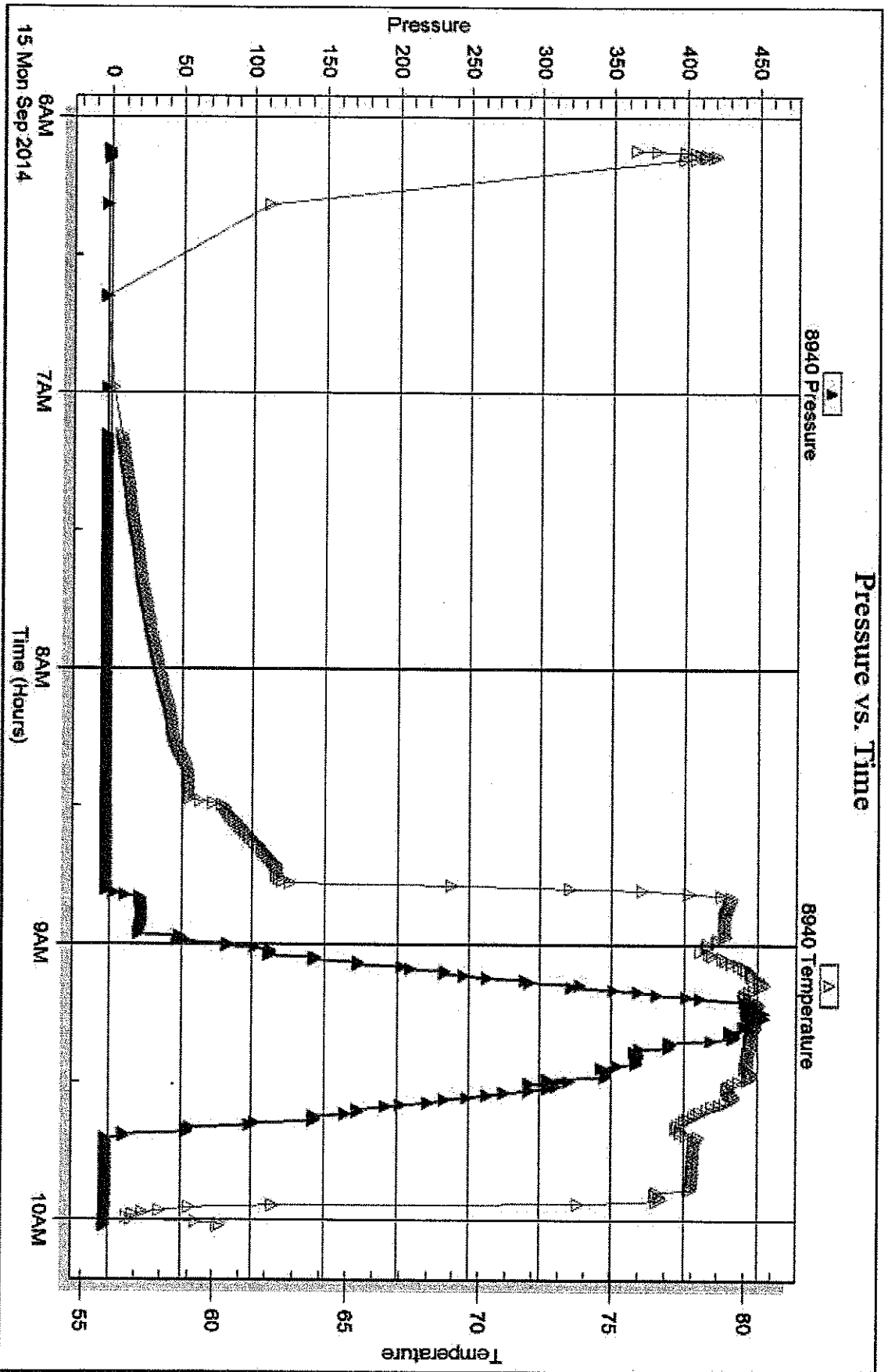
Recovery Comments:

Serial #: 8940

Outside Castle Resources, Inc

Flammstiel #2

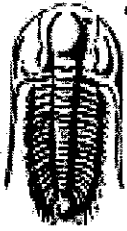
CST Test Number: 1



Trioble Testing, Inc

Ref. No: 59351

Printed: 2014.09.17 @ 11:11:46



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Castle Resources, Inc  
PO Box 87  
Schoenchen KS 67667  
ATTN: Gerry Green

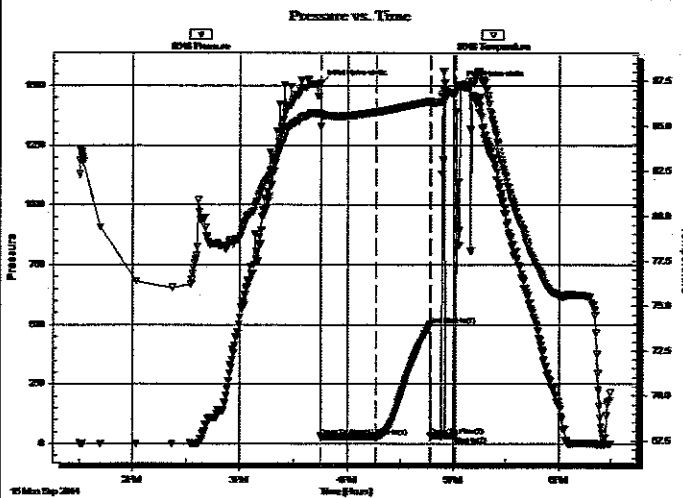
**11-5s-18w Phillips KS**  
**Pfannenstiel #2**  
Job Ticket: 59352      **DST#: 2**  
Test Start: 2014.09.15 @ 13:30:00

## GENERAL INFORMATION:

Formation: **Toronto - LKC A**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 15:45:15      Tester: Cody Bloedorn  
Time Test Ended: 18:30:00      Unit No: 73  
Interval: **3090.00 ft (KB) To 3150.00 ft (KB) (TVD)**      Reference Elevations: 1948.00 ft (KB)  
Total Depth: 3150.00 ft (KB) (TVD)      1943.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 5.00 ft

**Serial #: 8648**      Inside  
Press@RunDepth: 30.32 psig @ 3127.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.09.15      End Date: 2014.09.15      Last Calib.: 2014.09.15  
Start Time: 13:30:05      End Time: 18:29:59      Time On Btm: 2014.09.15 @ 15:45:00  
Time Off Btm: 2014.09.15 @ 17:03:45

**TEST COMMENT:** 30 - IF- 1/4" blow, died @ 14 minutes  
30 - ISI- No return  
15 - FF- No blow for 5 minutes, flushed tool, surged and died. pulled tool



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1509.32	85.66	Initial Hydro-static
1	30.47	85.00	Open To Flow (1)
31	30.32	85.78	Shut-In(1)
62	500.08	86.39	End Shut-In(1)
63	31.57	86.22	Open To Flow (2)
76	32.87	86.82	Shut-In(2)
79	1501.92	87.21	Final Hydro-static

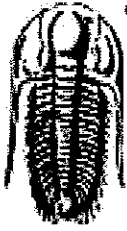
## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - Oil spots, 100%M	0.07

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Castle Resources, Inc  
 PO Box 87  
 Schoenchen KS 67667  
 ATTN: Gerry Green

**11-5s-18w Phillips KS**  
**Pfannenstiel #2**  
 Job Ticket: 59352      **DST#: 2**  
 Test Start: 2014.09.15 @ 13:30:00

**Tool Information**

Drill Pipe:	Length: 3102.00 ft	Diameter: 3.80 inches	Volume: 43.51 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 43.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3090.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	81.00 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			3070.00	
Shut In Tool	5.00			3075.00	
Hydraulic tool	5.00			3080.00	
Packer	5.00			3085.00	21.00      Bottom Of Top Packer
Packer	5.00			3090.00	
Stubb	1.00			3091.00	
Perforations	3.00			3094.00	
Change Over Sub	1.00			3095.00	
Drill Pipe	31.00			3126.00	
Change Over Sub	1.00			3127.00	
Recorder	0.00	8648	Inside	3127.00	
Recorder	0.00	8940	Outside	3127.00	
Perforations	20.00			3147.00	
Bullnose	3.00			3150.00	60.00      Bottom Packers & Anchor

**Total Tool Length: 81.00**

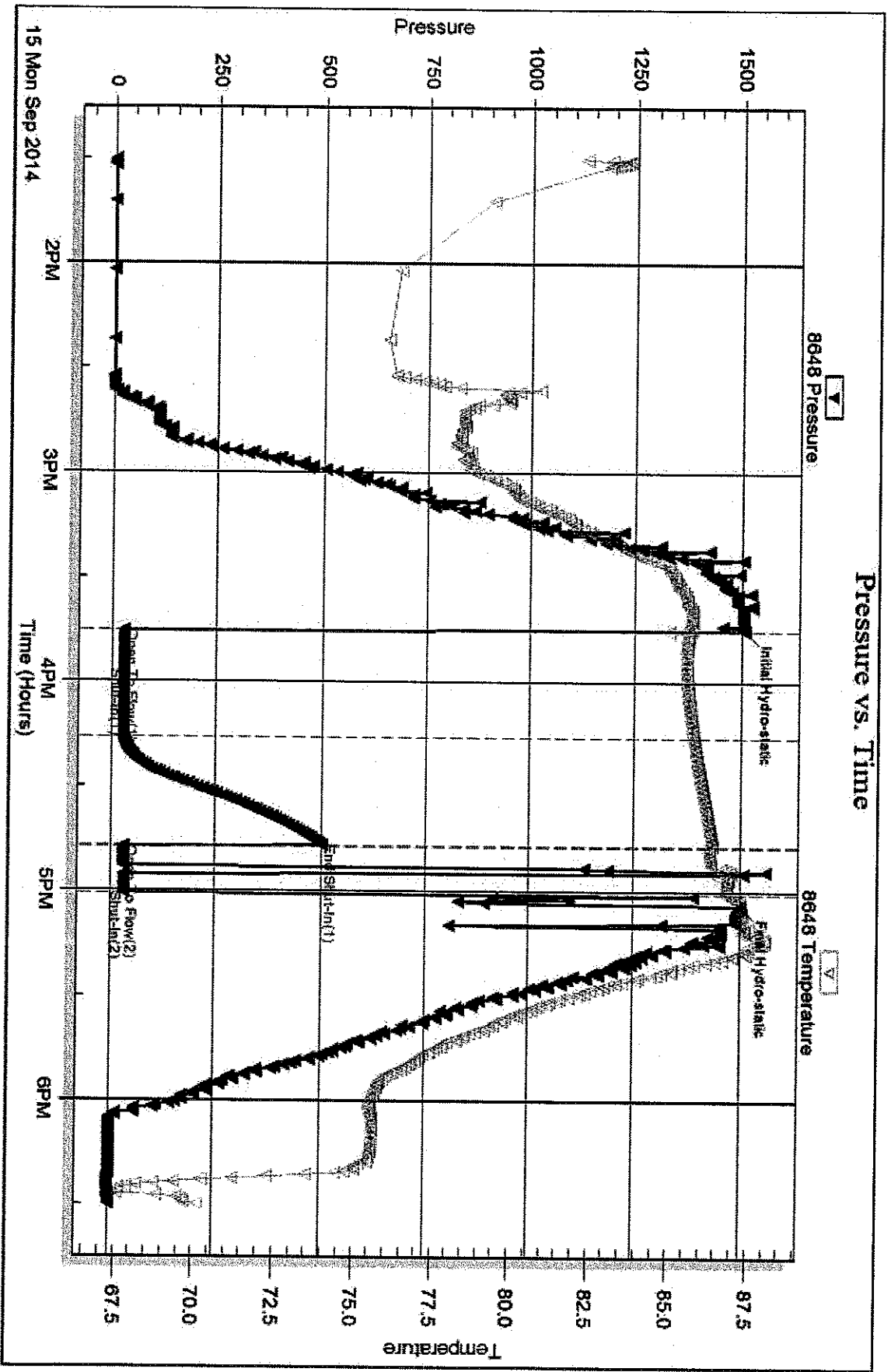
Serial #: 8648

Inside

Castle Resources, Inc

Planner/Well #2

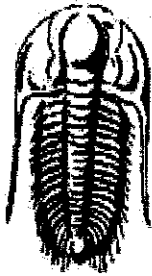
DST Test Number: 2



Tribble Testing, Inc

Ref. No: 59352

Printed: 2014.09.17 @ 11:11:24



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Castle Resources, Inc**

PO Box 87  
Schoenchen KS 67667

ATTN: Gerry Green

### **Pfannenstiel #2**

### **11-5s-18w Phillips KS**

Start Date: 2014.09.16 @ 09:02:00

End Date: 2014.09.16 @ 13:45:00

Job Ticket #: 59353                      DST #: 3

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

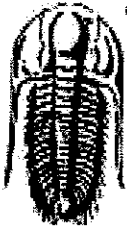
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.09.17 @ 11:10:36

Castle Resources, Inc    11-5s-18w Phillips KS    Pfannenstiel #2    DST # 3    LKC "1-J"    2014.09.16







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Castle Resources, Inc  
 PO Box 87  
 Schoenchen KS 67667  
 ATTN: Gerry Green

**11-5s-18w Phillips KS**  
**Pfannenstiel #2**  
 Job Ticket: 59353      **DST#: 3**  
 Test Start: 2014.09.16 @ 09:02:00

## 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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	SOCM, 5%O, 95%M	0.042
3.00	Free Oil, 100%O	0.042

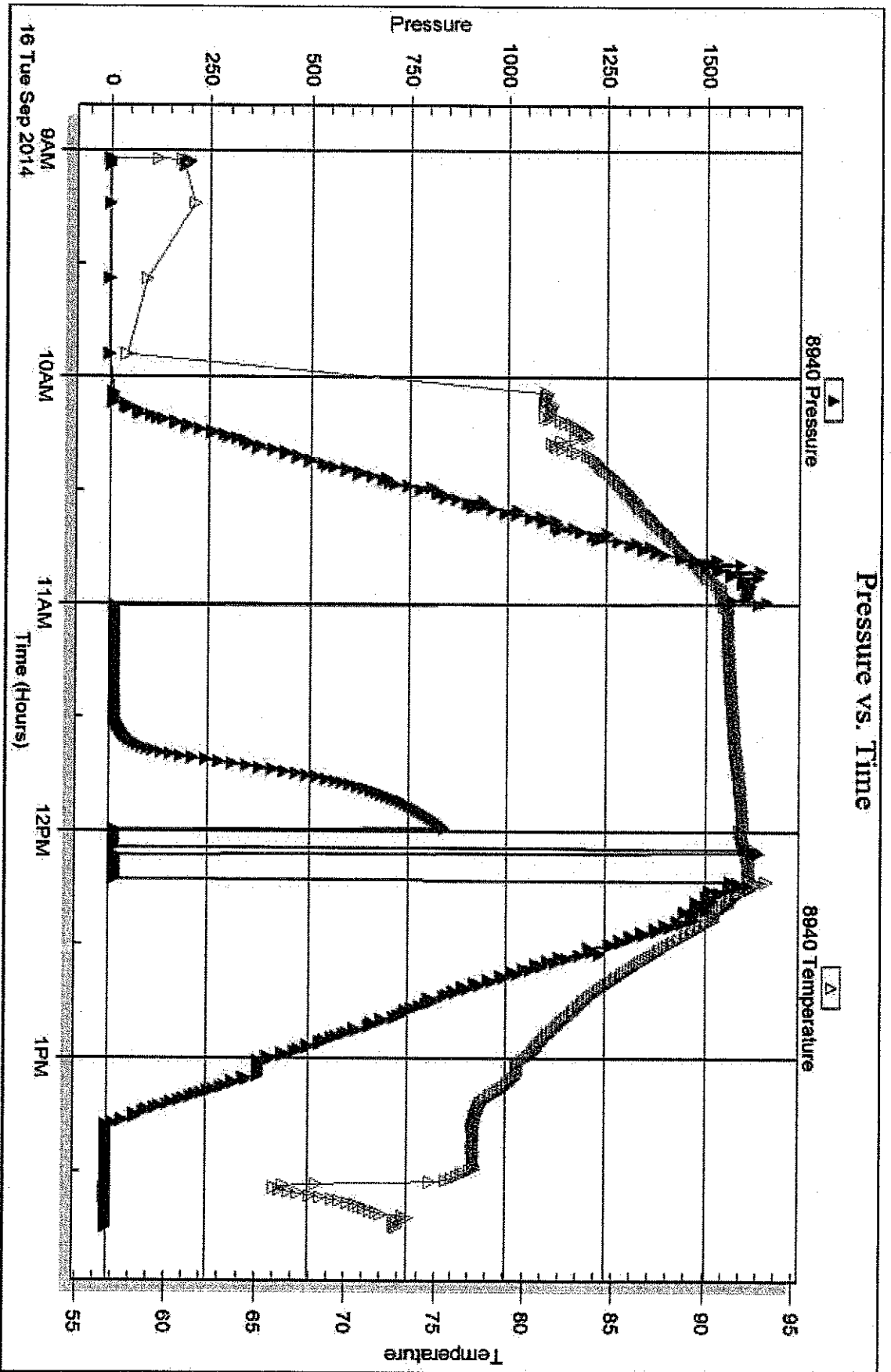
Total Length: 6.00 ft      Total Volume: 0.084 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

Serial #: 8940

Outside: Castle Resources, Inc

Paramnsitel #2

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59352

Well Name & No. Pfannenstiel #2 Test No. 2 Date 9-15-14  
 Company Castle Resources, Inc Elevation 1948 KB 1943 GL  
 Address Po Box 87, Schoenchen KS, 67667  
 Co. Rep / Geo. Jerry Green Rig White Knight  
 Location: Sec. 11 Twp. 55 Rge. 18W Co. Phillips State KS

Interval Tested 3090-3150 Zone Tested Tor - A  
 Anchor Length 60' Drill Pipe Run 3102' Mud Wt. 9.1  
 Top Packer Depth 3085 Drill Collars Run — Vis 48  
 Bottom Packer Depth 3090 Wt. Pipe Run — WL 8.0  
 Total Depth 3150 Chlorides 200 ppm System LCM 1

Blow Description IF - 14" blow, dried @ 14 minutes  
ISI - No return  
FF - No blow for 5 minutes, flushed tool, surged & dried. Pulled tool  
FST -

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud - oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 86° Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 1509  Test 1150 T-On Location 1300  
 (B) First Initial Flow 30  Jars — T-Started 1330  
 (C) First Final Flow 30  Safety Joint — T-Open 1546  
 (D) Initial Shut-In 500  Circ Sub — T-Pulled 1708  
 (E) Second Initial Flow 31  Hourly Standby — T-Out 1830  
 (F) Second Final Flow 32  Mileage 118KT 182.90 Comments Hotel  
 (G) Final Shut-In —  Sampler —  
 (H) Final Hydrostatic 1501  Straddle —  
 Ruined Shale Packer

Initial Open 30  Ruined Packer —  
 Initial Shut-In 30  Extra Copies —  
 Final Flow 15 Sub Total 0  
 Final Shut-In — Total 1332.90  
 Sub Total 1332.90 MP/DST Disc't —

Approved By \_\_\_\_\_ Our Representative Cody

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.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59353

Well Name & No. Pfannenstiel #2 Test No. 3 Date 9-16-14  
 Company Castle Resources, Inc Elevation 1948 KB 1943 GL  
 Address Po Box 87, Schoenchen KS, 67667  
 Co. Rep / Geo. Jerry Green Rig White Knight  
 Location: Sec. 11 Twp. 55 Rge. 18W Co. Phillips State KS

Interval Tested 3276-3315 Zone Tested "I, J"  
 Anchor Length 39' Drill Pipe Run 3260' Mud Wt. 9.4  
 Top Packer Depth 3271 Drill Collars Run — Vis 46  
 Bottom Packer Depth 3276 Wt. Pipe Run — WL 8.0  
 Total Depth 3315 Chlorides 800 ppm System LCM 1 #

Blow Description IF - Surface blow, died in 18 minutes  
ISI - No return  
FF - No blow for 5 min. flushed tool, surged & died - Pulled tool  
FSI -

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>SOC M</u>	<u>5</u>		<u>95</u>	
<u>3</u>	<u>Free Oil</u>	<u>100</u>			

Rec Total 6' BHT 91° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1632  Test 1150 T-On Location 0844  
 (B) First Initial Flow 14  Jars — T-Started 0902  
 (C) First Final Flow 15  Safety Joint — T-Open 1059  
 (D) Initial Shut-In 8.38  Circ Sub — T-Pulled 1208  
 (E) Second Initial Flow 16  Hourly Standby — T-Out 1345  
 (F) Second Final Flow 13  Mileage 118RTX2 182.90  
 (G) Final Shut-In —  Sampler — 182.90  
 (H) Final Hydrostatic 1616  Straddle —

Comments 9/17/14 @ 5:30 am Loaded tools  
\*Hotel\*

Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Initial Open 30  
 Initial Shut-In 30  
 Final Flow 15  
 Final Shut-In —  
 Accessibility  
 Sub Total 1515.80  
 Sub Total 1515.80

Approved By \_\_\_\_\_ Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59351

Well Name & No. Pfannenstiel #2 Test No. 1 Date 9-15-14  
 Company Castle Resources, Inc Elevation 1948 KB 1943 GL  
 Address Po Box 87, Schoenchen KS, 67667  
 Co. Rep / Geo. Jerry Green Rig White knight  
 Location: Sec. 11 Twp. 5s Rge. 18w Co. Phillips State KS

Interval Tested 3090-3150 Zone Tested Tor-A  
 Anchor Length 60' Drill Pipe Run 3102' Mud Wt. 9.1  
 Top Packer Depth 3085 Drill Collars Run - Vis 48  
 Bottom Packer Depth 3090 Wt. Pipe Run - WL 8.0  
 Total Depth 3150 Chlorides 200 ppm System LCM 1

Blow Description IF- Hit Bridge 1000' down could NOT  
ISD- get through it. come out of hole  
FF- with Tool to clean up hole.  
FSI- 9:18 Am. Hit Bridge.

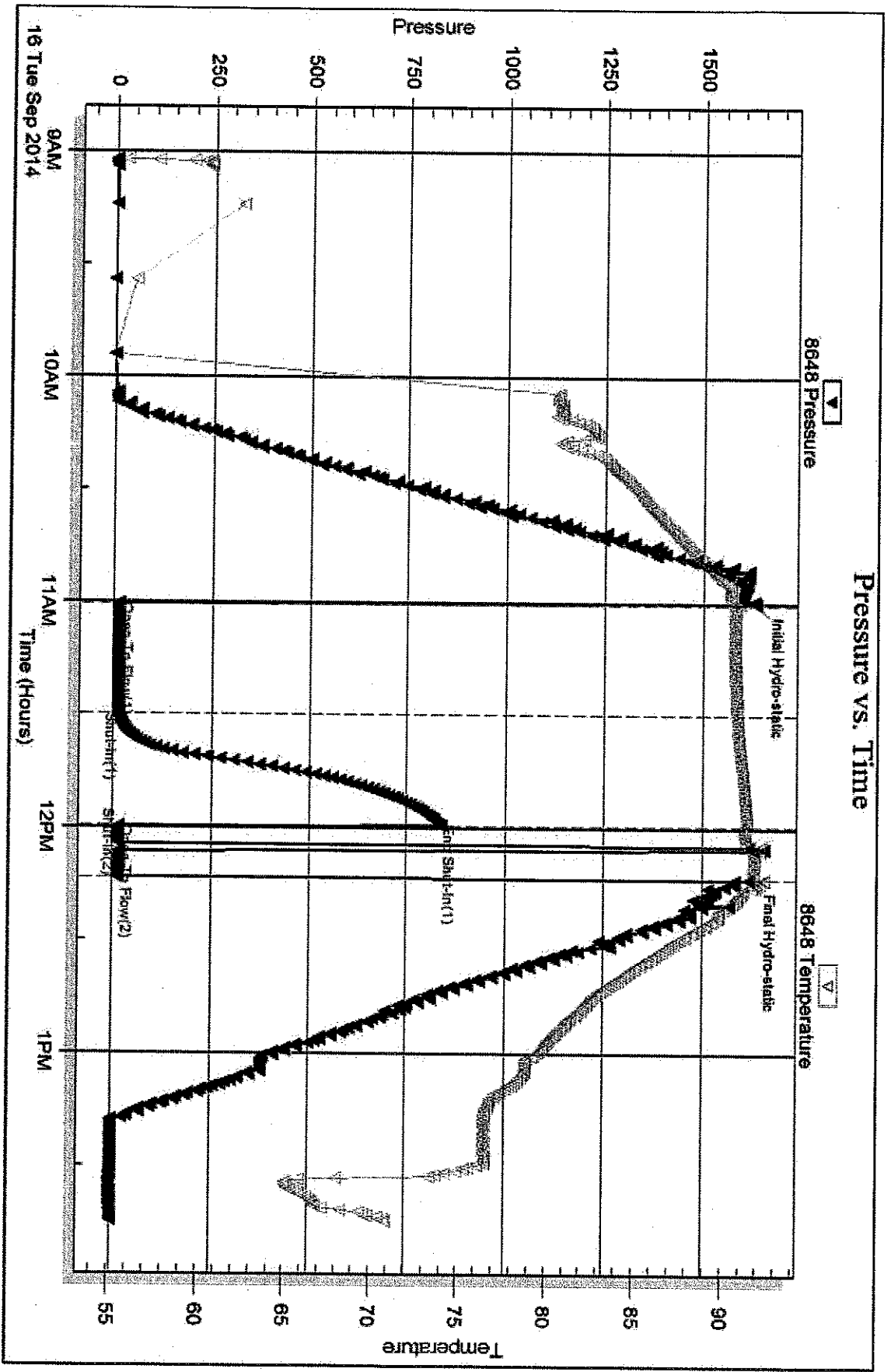
Rec	Feet of	%gas	%oil	%water	%mud

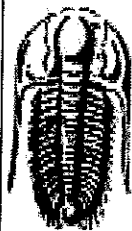
Rec Total \_\_\_\_\_ BHT \_\_\_\_\_ Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic \_\_\_\_\_  Test 950 T-On Location 0547  
 (B) First Initial Flow \_\_\_\_\_  Jars \_\_\_\_\_ T-Started 0607  
 (C) First Final Flow \_\_\_\_\_  Safety Joint \_\_\_\_\_ T-Open \_\_\_\_\_  
 (D) Initial Shut-In \_\_\_\_\_  Circ Sub \_\_\_\_\_ T-Pulled \_\_\_\_\_  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out 1002  
 (F) Second Final Flow \_\_\_\_\_  Mileage 118PT 182.90 Comments Hit bridge  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_ \* Hotel \*  
 (H) Final Hydrostatic \_\_\_\_\_  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open \_\_\_\_\_  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In \_\_\_\_\_  Day Standby \_\_\_\_\_ Total 1132.90  
 Final Flow \_\_\_\_\_  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In \_\_\_\_\_ Sub Total 1132.90

Approved By \_\_\_\_\_ Our Representative Cody [Signature]

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**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources, Inc

11-5s-18w Phillips KS

PO Box 87  
Schoenchen KS 67667

Pfannenstiel #2

Job Ticket: 59353

DST#: 3

ATTN: Gerry Green

Test Start: 2014.09.16 @ 09:02:00

### Tool Information

Drill Pipe:	Length: 3260.00 ft	Diameter: 3.80 inches	Volume: 45.73 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 42000.00 lb
		Total Volume:	45.73 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3276.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3256.00	
Shut In Tool	5.00			3261.00	
Hydraulic tool	5.00			3266.00	
Packer	5.00			3271.00	21.00 Bottom Of Top Packer
Packer	5.00			3276.00	
Stubb	1.00			3277.00	
Perforations	3.00			3280.00	
Recorder	0.00	8648	Inside	3280.00	
Recorder	0.00	8940	Outside	3280.00	
Perforations	32.00			3312.00	
Bullnose	3.00			3315.00	39.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>60.00</b>				





**TRIOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Castle Resources, Inc

11-5s-18w Phillips KS

PO Box 87  
Schoenchen KS 67667

Pfannenstiel #2

Job Ticket: 59353

DST#: 3

ATTN: Gerry Green

Test Start: 2014.09.16 @ 09:02:00

## GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:00:15

Time Test Ended: 13:45:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: **3276.00 ft (KB) To 3315.00 ft (KB) (TVD)**

Total Depth: 3315.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1948.00 ft (KB)

1943.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8648

Inside

Press@RunDepth: 15.74 psig @ 3280.00 ft (KB)

Start Date: 2014.09.16

End Date: 2014.09.16

Capacity: 8000.00 psig

Last Calib.: 2014.09.16

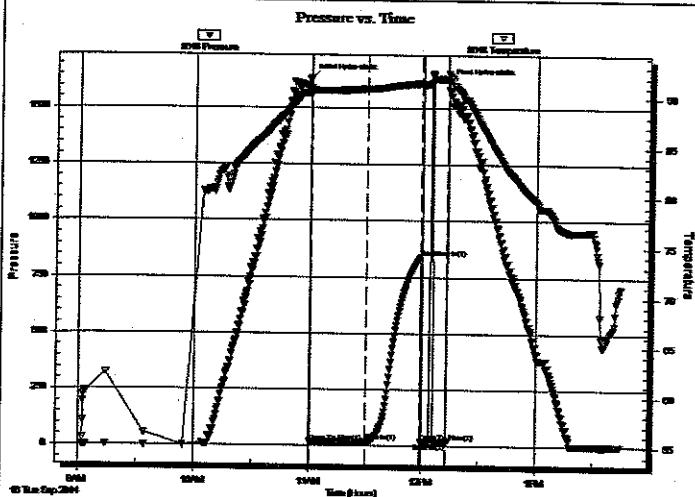
Start Time: 09:02:05

End Time: 13:44:59

Time On Btm: 2014.09.16 @ 11:00:00

Time Off Btm: 2014.09.16 @ 12:13:30

TEST COMMENT: 30 - IF- Surface blow, died in 18 minutes  
30 - IS- No return  
15 - FF- no blow for 5 min. flushed tool, surged and died, pulled tool



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1632.74	90.99	Initial Hydro-static
1	14.79	90.46	Open To Flow (1)
30	15.74	90.85	Shut-In(1)
60	838.56	91.46	End Shut-In(1)
60	16.90	91.20	Open To Flow (2)
74	13.48	91.90	Shut-In(2)
74	1616.54	92.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	SOCM, 5%O, 95%M	0.04
3.00	Free Oil, 100%O	0.04

\* Recovery from multiple tests

## Gas Rates

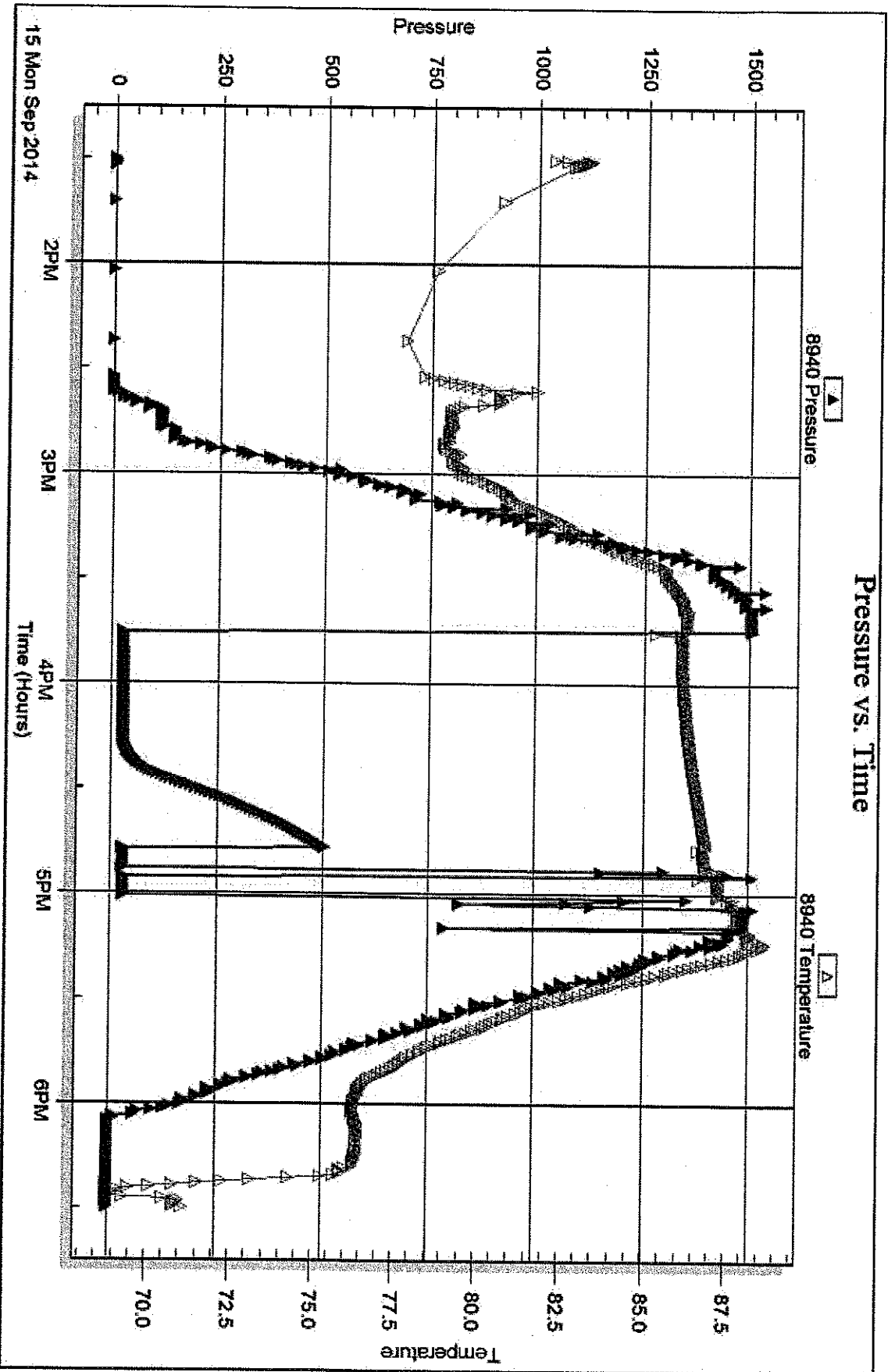
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

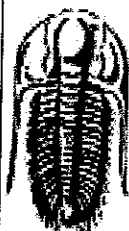
Serial #: 8940

Outside Castle Resources, Inc

Flammestiel #2

DST Test Number: 2





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Castle Resources, Inc

**11-5s-18w Phillips KS**

PO Box 87  
Schoenchen KS 67667

**Pfannenstiel #2**

Job Ticket: 59352

**DST#: 2**

ATTN: Gerry Green

Test Start: 2014.09.15 @ 13:30:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 7.99 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud - Oil spots, 100%M	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

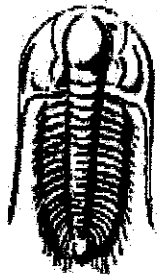
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Castle Resources, Inc**

PO Box 87  
Schoenchen KS 67667

ATTN: Gerry Green

### **Pfannenstiel #2**

#### **11-5s-18w Phillips KS**

Start Date: 2014.09.15 @ 13:30:00

End Date: 2014.09.15 @ 18:30:00

Job Ticket #: 59352                      DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2014.09.17 @ 11:11:23

Castle Resources, Inc

11-5s-18w Phillips KS

Pfannenstiel #2

DST # 2

Toronto - LKC A

2014.09.15

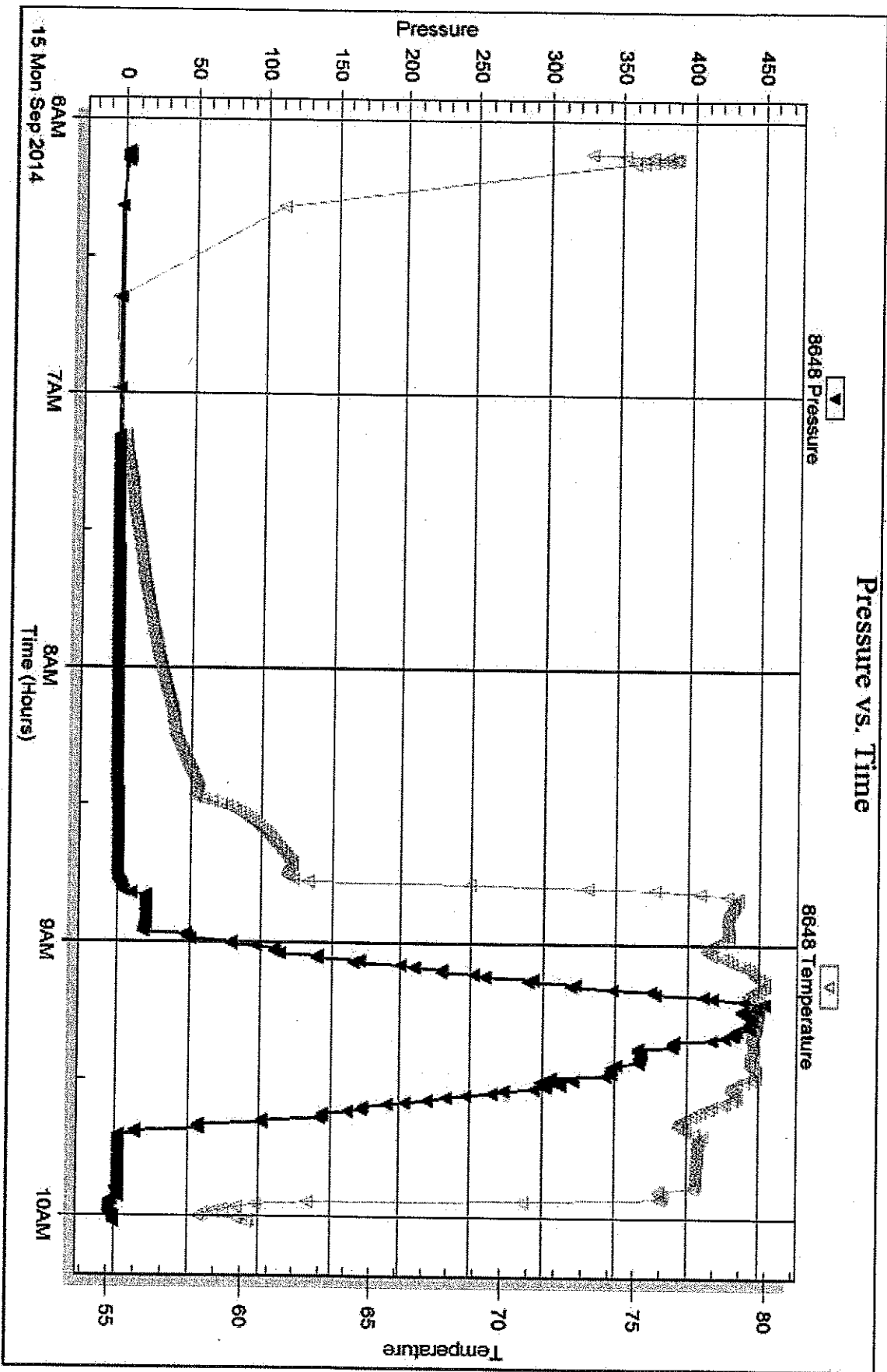
Serial #: 8648

Inside

Castle Resources, Inc

Pfammattel #2

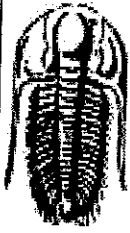
DST Test Number: 1



Trioble Testing, Inc

Ref. No: 59351

Printed: 2014.09.17 @ 11:11:46



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Castle Resources, Inc  
 PO Box 87  
 Schoenchen KS 67667  
 ATTN: Gerry Green

**11-5s-18w Phillips KS**  
**Pfannenstiel #2**  
 Job Ticket: 59351      **DST#: 1**  
 Test Start: 2014.09.15 @ 06:07:05

**Tool Information**

Drill Pipe:	Length: 3102.00 ft	Diameter: 3.80 inches	Volume: 43.51 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 2500.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
		<b>Total Volume:</b>	<b>43.51 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial lb
Depth to Top Packer:	3090.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	81.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Hit a bridge roughly a 1000' down, not enough weight to open tool. tried pushing through bridge. Did not work. Came out of hole with tool to clean up the hole.

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3070.00	
Shut In Tool	5.00			3075.00	
Hydraulic tool	5.00			3080.00	
Packer	5.00			3085.00	21.00      Bottom Of Top Packer
Packer	5.00			3090.00	
Stubb	1.00			3091.00	
Perforations	3.00			3094.00	
Change Over Sub	1.00			3095.00	
Drill Pipe	31.00			3126.00	
Change Over Sub	1.00			3127.00	
Recorder	0.00	8648	Inside	3127.00	
Recorder	0.00	8940	Outside	3127.00	
Perforations	20.00			3147.00	
Bullnose	3.00			3150.00	60.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>81.00</b>				

