



## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N. Water Ste. 300  
Wichita KS 67202

ATTN: Bob Stolze

### **Shaw-Albers #1-6**

#### **6 6s 29w Sheridan,KS**

Start Date: 2013.09.24 @ 01:55:00

End Date: 2013.09.24 @ 10:13:30

Job Ticket #: 52743                      DST #: 1

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

Printed: 2013.09.27 @ 16:16:19



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co  
 250 N. Water Ste. 300  
 Wichita KS 67202  
 ATTN: Bob Stolzle

**6 6s 29w Sheridan, KS**  
**Shaw-Albers #1-6**  
 Job Ticket: 52743      **DST#: 1**  
 Test Start: 2013.09.24 @ 01:55:00

## GENERAL INFORMATION:

Formation: **Tor- LKC-A,B**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 04:23:30 Tester: Chuck Kreuzer Jr.  
 Time Test Ended: 10:13:30 Unit No: 61  
 Interval: **3858.00 ft (KB) To 3937.00 ft (KB) (TVD)** Reference Elevations: 2802.00 ft (KB)  
 Total Depth: 3937.00 ft (KB) (TVD) 2792.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 10.00 ft

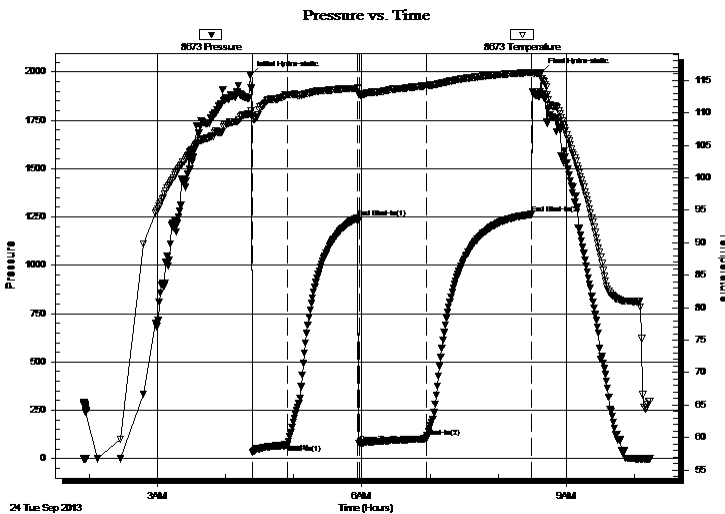
## Serial #: 8673

Inside

Press @ Run Depth: 109.13 psig @ 3859.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.09.24 End Date: 2013.09.24 Last Calib.: 2013.09.24  
 Start Time: 01:55:01 End Time: 10:13:30 Time On Btm: 2013.09.24 @ 04:21:30  
 Time Off Btm: 2013.09.24 @ 08:38:00

TEST COMMENT: IF: Weak blow , Built to 4" over 30 mins.  
 IS: No blow back  
 FF: No blow  
 FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1982.60	109.93	Initial Hydro-static
2	32.93	109.56	Open To Flow (1)
33	72.21	112.83	Shut-In(1)
95	1244.18	113.81	End Shut-In(1)
96	79.70	112.89	Open To Flow (2)
156	109.13	114.19	Shut-In(2)
248	1263.97	116.23	End Shut-In(2)
257	1996.84	115.34	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
117.00	Hocw m-30%w 20%m50%o	0.58
116.00	Hocw m-10%w 30%m60%o	0.57

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Co  
250 N. Water Ste. 300  
Wichita KS 67202  
ATTN: Bob Stolzle

**6 6s 29w Sheridan,KS**  
**Shaw-Albers #1-6**  
Job Ticket: 52743      **DST#: 1**  
Test Start: 2013.09.24 @ 01:55:00

**Tool Information**

Drill Pipe:	Length: 3627.00 ft	Diameter: 3.80 inches	Volume: 50.88 bbl	Tool Weight: 2800.00 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: 233.00 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 52.03 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3858.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	107.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			3835.00	
Hydraulic tool	5.00			3840.00	
Jars	5.00			3845.00	
Safety Joint	3.00			3848.00	
Packer	5.00			3853.00	28.00      Bottom Of Top Packer
Packer	5.00			3858.00	
Stubb	1.00			3859.00	
Recorder	0.00	8673	Inside	3859.00	
Recorder	0.00	8651	Outside	3859.00	
Perforations	10.00			3869.00	
change Over Sub	1.00			3870.00	
Drill Pipe	63.00			3933.00	
Change Over Sub	1.00			3934.00	
Bullnose	3.00			3937.00	79.00      Bottom Packers & Anchor

**Total Tool Length: 107.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co  
250 N. Water Ste. 300  
Wichita KS 67202  
ATTN: Bob Stolzle

**6 6s 29w Sheridan,KS**  
**Shaw-Albers #1-6**  
Job Ticket: 52743      **DST#: 1**  
Test Start: 2013.09.24 @ 01:55:00

## Mud and Cushion Information

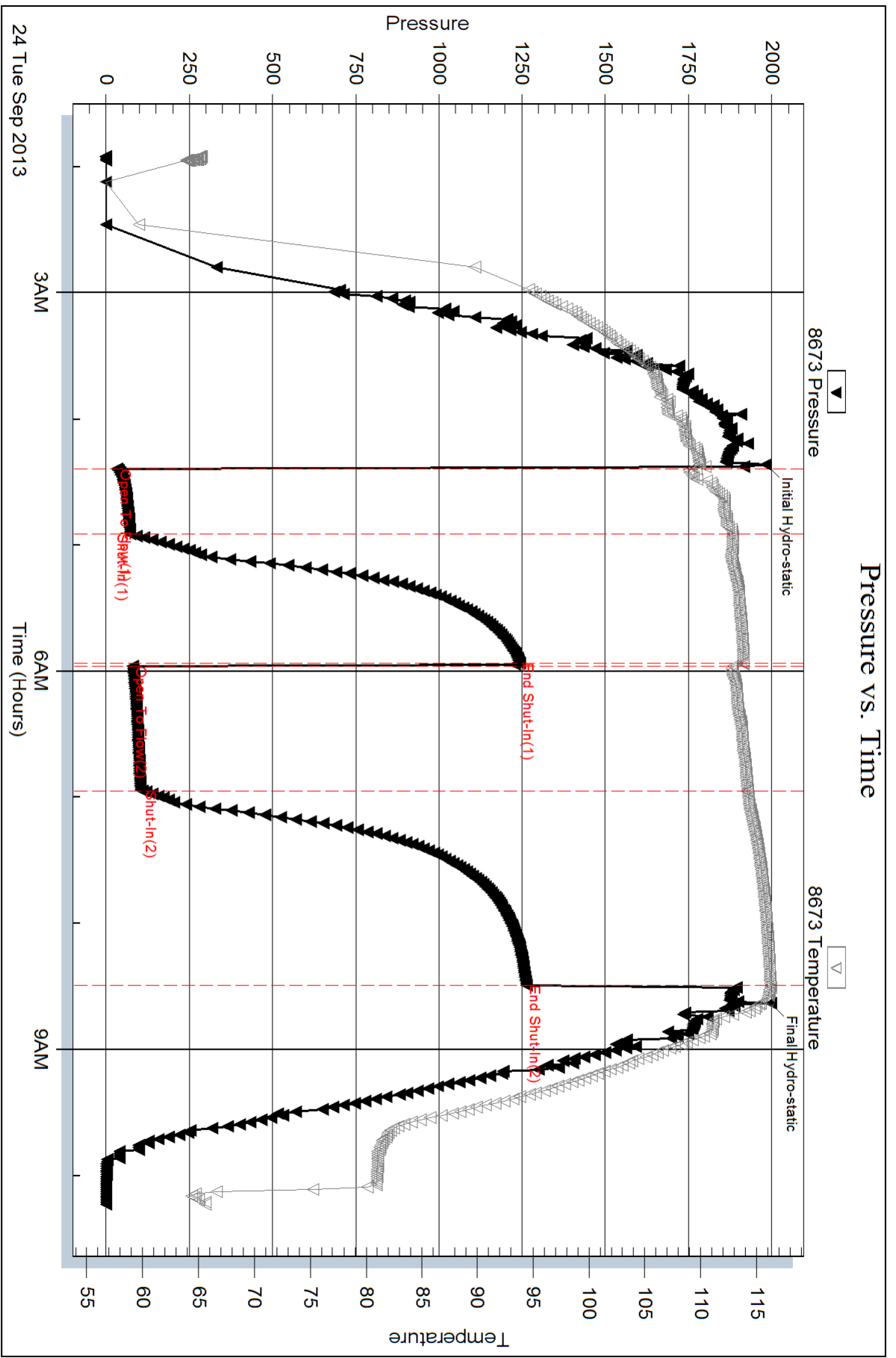
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1300.00 ppm			
Filter Cake: 2.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
117.00	Hocw m-30%w 20%m50%o	0.575
116.00	Hocw m-10%w 30%m60%o	0.570

Total Length: 233.00 ft      Total Volume: 1.145 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

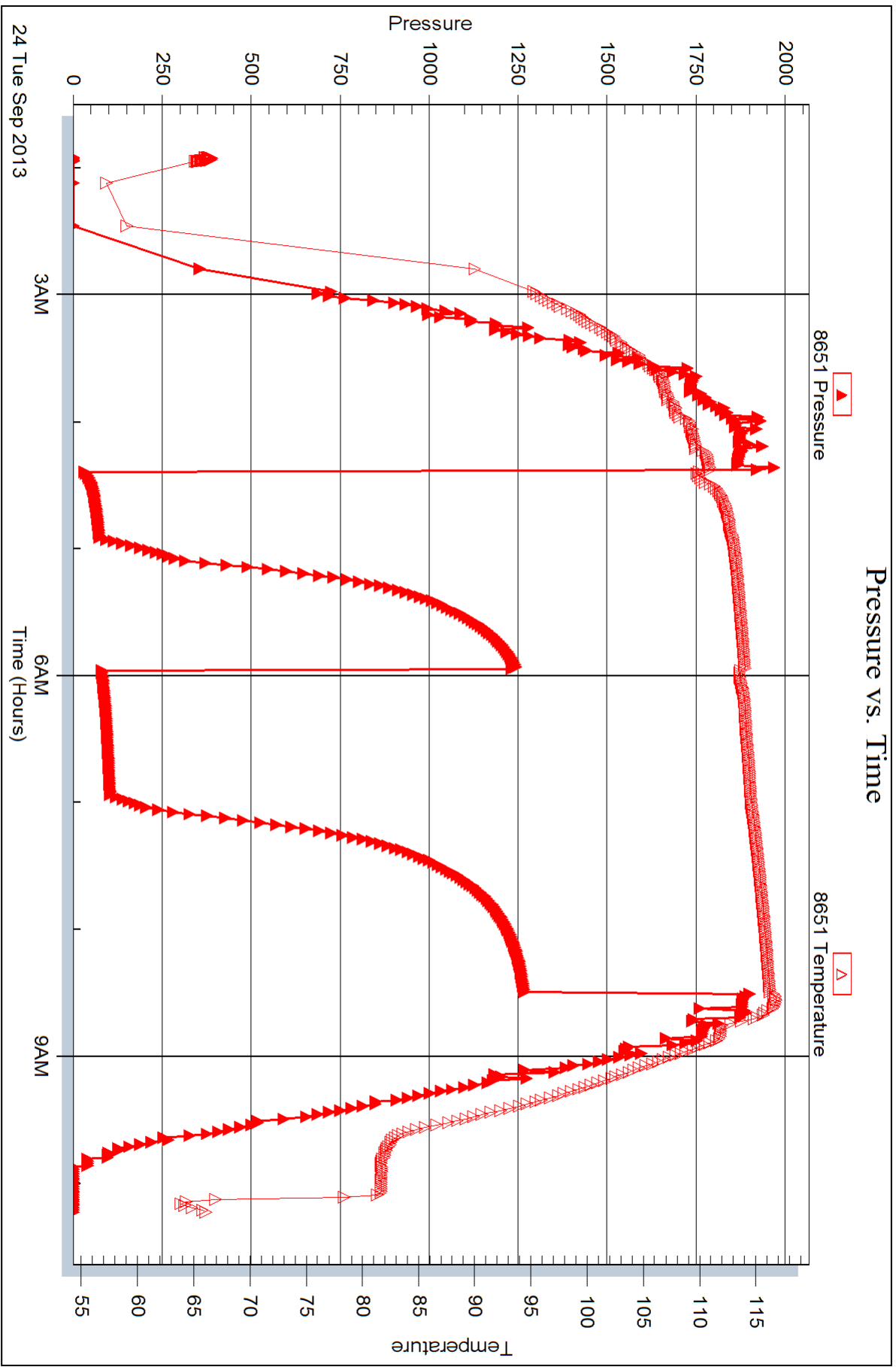


Serial #: 8651

Outside Murfin Drilling Co

Shaw-Albers #1-6

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 52743

Printed: 2013.09.27 @ 16:16:21



## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N. Water Ste. 300  
Wichita KS 67202

ATTN: Bob Stolze

### **Shaw-Albers #1-6**

#### **6 6s 29w Sheridan,KS**

Start Date: 2013.09.24 @ 17:10:00

End Date: 2013.09.24 @ 22:53:30

Job Ticket #: 52744                      DST #: 2

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

Printed: 2013.09.27 @ 16:15:39

Murfin Drilling Co  
6 6s 29w Sheridan,KS  
Shaw-Albers #1-6  
DST # 2  
LKC-E,F  
2013.09.24





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co  
 250 N. Water Ste. 300  
 Wichita KS 67202  
 ATTN: Bob Stolzle

**6 6s 29w Sheridan, KS**  
**Shaw-Albers #1-6**  
 Job Ticket: 52744      **DST#: 2**  
 Test Start: 2013.09.24 @ 17:10:00

## GENERAL INFORMATION:

Formation: **LKC-EF**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:02:30  
 Time Test Ended: 22:53:30  
 Interval: **3956.00 ft (KB) To 3980.00 ft (KB) (TVD)**  
 Total Depth: 3980.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Kreuzer Jr.  
 Unit No: 61  
 Reference Elevations: 2802.00 ft (KB)  
 2792.00 ft (CF)  
 KB to GR/CF: 10.00 ft

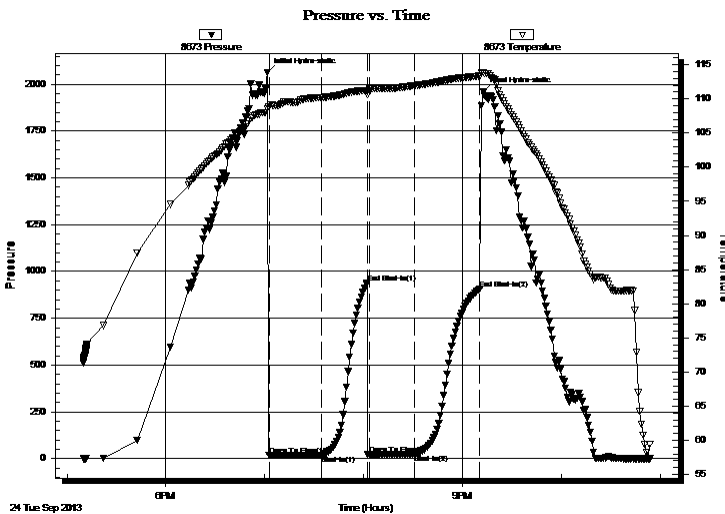
## Serial #: 8673

Inside

Press @ Run Depth: 23.24 psig @ 3957.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.09.24      End Date: 2013.09.24      Last Calib.: 2013.09.24  
 Start Time: 17:10:01      End Time: 22:53:30      Time On Btm: 2013.09.24 @ 19:01:30  
 Time Off Btm: 2013.09.24 @ 21:12:30

TEST COMMENT: IF: Weak surface blow, started and stopped through out 30 mins.  
 IS: No blow bsck  
 FF: Weak surface blow, Died in secs.  
 FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2063.28	108.59	Initial Hydro-static
1	18.37	108.90	Open To Flow (1)
33	19.48	110.21	Shut-In(1)
61	938.90	111.26	End Shut-In(1)
62	21.88	111.43	Open To Flow (2)
90	23.24	111.95	Shut-In(2)
129	907.48	113.34	End Shut-In(2)
131	1958.14	113.88	Final Hydro-static

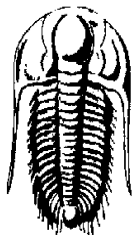
## Recovery

Length (ft)	Description	Volume (bbl)
1.00	ocm-40% m60%o	0.00
2.00	oil-100%o	0.01

\* Recovery from multiple tests

## Gas Rates

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



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TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co  
250 N. Water Ste. 300  
Wichita KS 67202  
ATTN: Bob Stolzle

**6 6s 29w Sheridan, KS**

**Shaw-Albers #1-6**

Job Ticket: 52744      **DST#: 2**  
Test Start: 2013.09.24 @ 17:10:00

## GENERAL INFORMATION:

Formation: **LKC-EF**

Deviated: No Whipstock:      ft (KB)

Time Tool Opened: 19:02:30

Time Test Ended: 22:53:30

**Interval: 3956.00 ft (KB) To 3980.00 ft (KB) (TVD)**

Total Depth: 3980.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreutzer Jr.

Unit No: 61

Reference Elevations: 2802.00 ft (KB)

2792.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8651      Outside**

Press @ Run Depth:      psig @      3957.00 ft (KB)

Start Date: 2013.09.24      End Date: 2013.09.24

Start Time: 17:10:01      End Time: 22:53:30

Capacity: 8000.00 psig

Last Calib.: 2013.09.24

Time On Btm:

Time Off Btm:

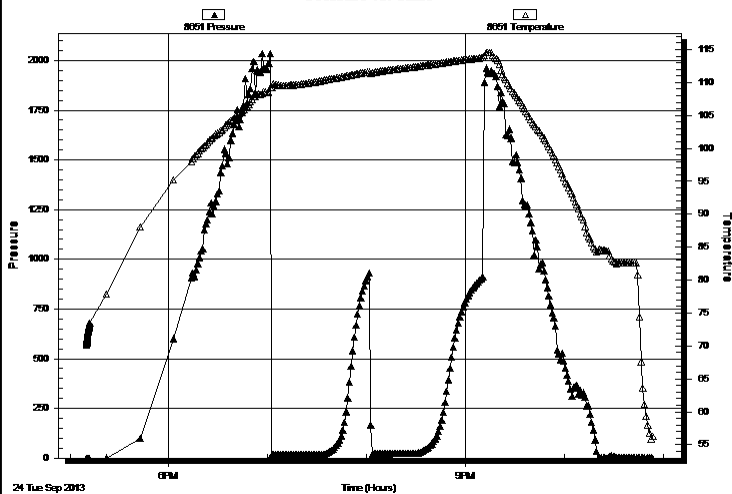
**TEST COMMENT:** IF: Weak surface blow, started and stopped through out 30 mins.

IS: No blow bsck

FF: Weak surface blow, Died in secs.

FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1.00	ocm-40%m60%o	0.00
2.00	oil-100%o	0.01

Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Co  
250 N. Water Ste. 300  
Wichita KS 67202  
ATTN: Bob Stolzle

**6 6s 29w Sheridan,KS**  
**Shaw-Albers #1-6**  
Job Ticket: 52744      **DST#: 2**  
Test Start: 2013.09.24 @ 17:10:00

**Tool Information**

Drill Pipe:	Length: 3715.00 ft	Diameter: 3.80 inches	Volume: 52.11 bbl	Tool Weight: 2800.00 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: 233.00 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 53.26 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3956.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			3933.00	
Hydraulic tool	5.00			3938.00	
Jars	5.00			3943.00	
Safety Joint	3.00			3946.00	
Packer	5.00			3951.00	28.00      Bottom Of Top Packer
Packer	5.00			3956.00	
Stubb	1.00			3957.00	
Recorder	0.00	8673	Inside	3957.00	
Recorder	0.00	8651	Outside	3957.00	
Perforations	20.00			3977.00	
Bullnose	3.00			3980.00	24.00      Bottom Packers & Anchor

**Total Tool Length: 52.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co

**6 6s 29w Sheridan,KS**

250 N. Water Ste. 300  
Wichita KS 67202

**Shaw-Albers #1-6**

Job Ticket: 52744

**DST#: 2**

ATTN: Bob Stolzle

Test Start: 2013.09.24 @ 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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	ocm-40% m60%o	0.005
2.00	oil-100%o	0.010

Total Length: 3.00 ft      Total Volume: 0.015 bbl

Num Fluid Samples: 0

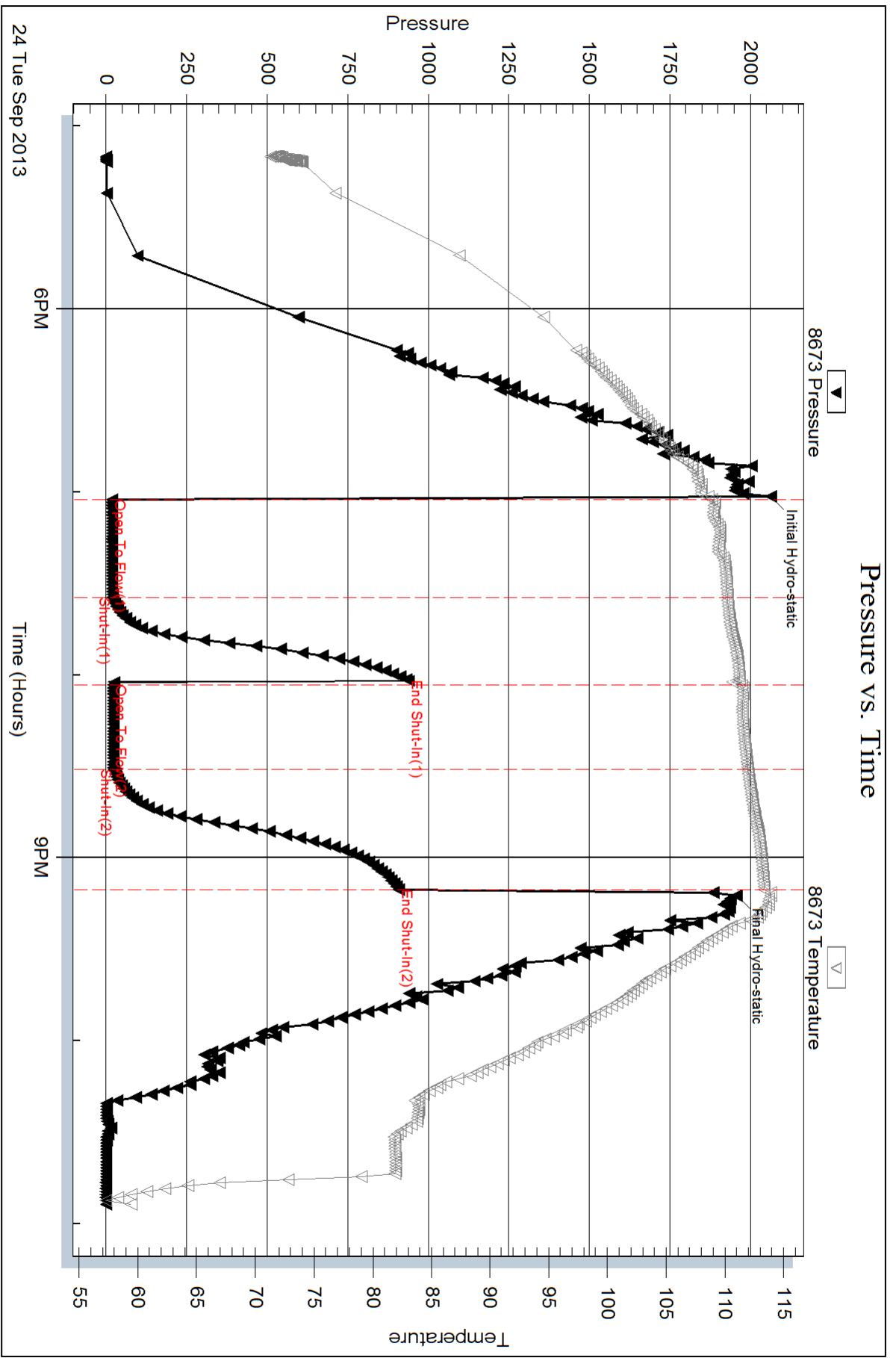
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

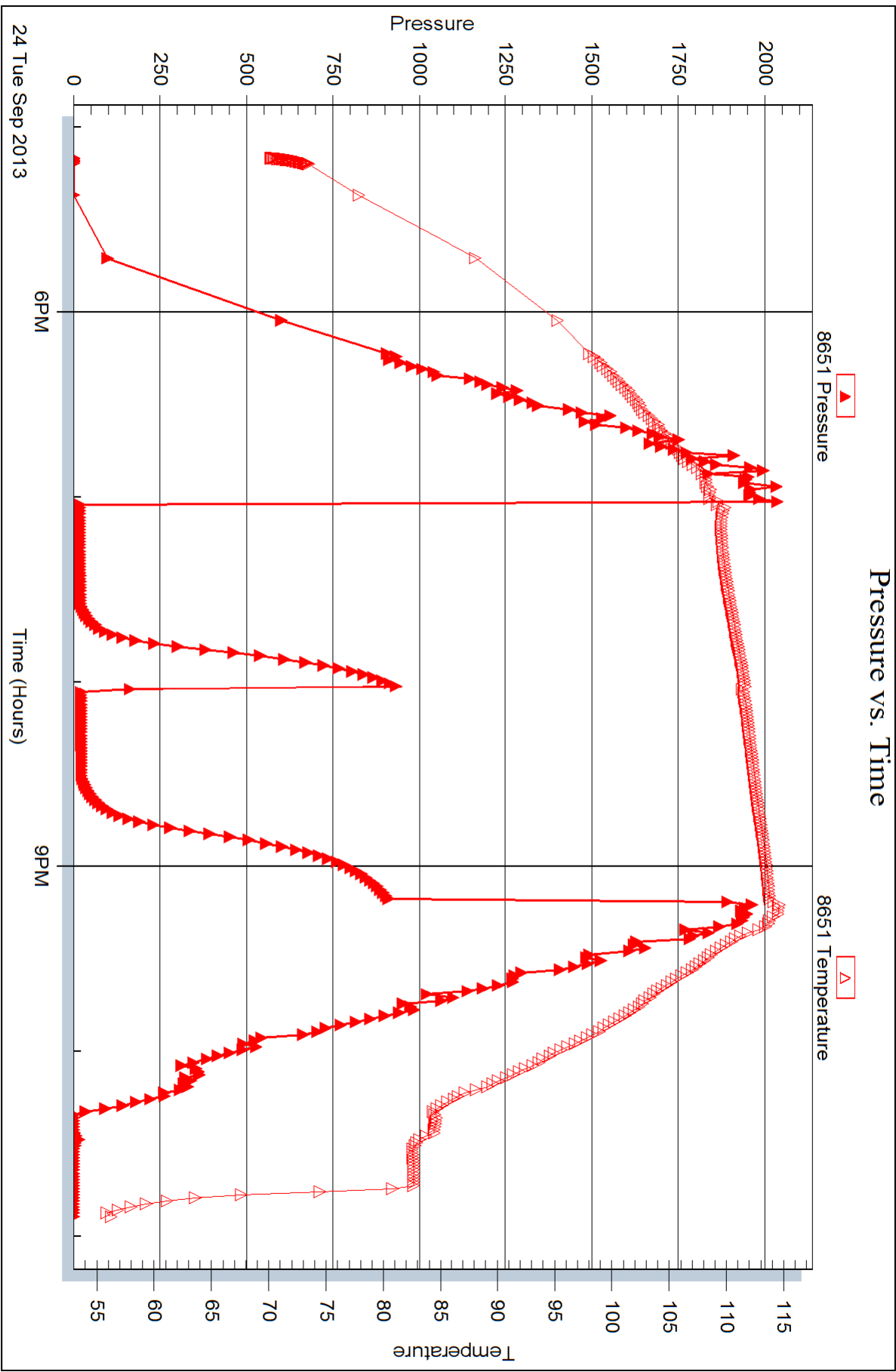


Serial #: 8651

Outside Murfin Drilling Co

Shaw-Albers #1-6

DST Test Number: 2





## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N. Water Ste. 300  
Wichita KS 67202

ATTN: Bob Stolze

### **Shaw-Albers #1-6**

#### **6 6s 29w Sheridan,KS**

Start Date: 2013.09.25 @ 09:40:00

End Date: 2013.09.25 @ 16:02:30

Job Ticket #: 52745                      DST #: 3

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

Printed: 2013.09.27 @ 16:14:31

Murfin Drilling Co  
6 6s 29w Sheridan,KS  
Shaw-Albers #1-6  
DST # 3  
LKC-J  
2013.09.25



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Murfin Drilling Co  
 250 N. Water Ste. 300  
 Wichita KS 67202  
 ATTN: Bob Stolzle

**6 6s 29w Sheridan, KS**  
**Shaw-Albers #1-6**  
 Job Ticket: 52745      **DST#: 3**  
 Test Start: 2013.09.25 @ 09:40:00

## GENERAL INFORMATION:

Formation: **LKC-J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:17:30  
 Time Test Ended: 16:02:30  
 Interval: **4030.00 ft (KB) To 4070.00 ft (KB) (TVD)**  
 Total Depth: 4070.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Kreuzer Jr.  
 Unit No: 61  
 Reference Elevations: 2802.00 ft (KB)  
 2792.00 ft (CF)  
 KB to GR/CF: 10.00 ft

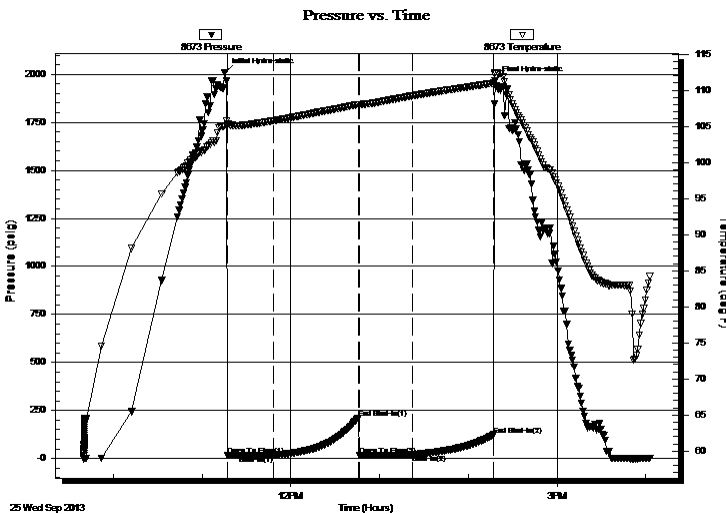
## Serial #: 8673

Inside

Press @ Run Depth: 20.99 psig @ 4031.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2013.09.25      End Date: 2013.09.25      Last Calib.: 2013.09.25  
 Start Time: 09:40:01      End Time: 16:02:30      Time On Btm: 2013.09.25 @ 11:15:30  
 Time Off Btm: 2013.09.25 @ 14:18:00

TEST COMMENT: IF: Weak surface blow, Died in 20 mins.  
 IS: No blow back  
 FF: No blow.  
 FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2009.78	105.11	Initial Hydro-static
2	18.18	105.33	Open To Flow (1)
33	17.64	105.76	Shut-In(1)
90	211.24	108.02	End Shut-In(1)
91	18.47	107.93	Open To Flow (2)
127	20.99	109.24	Shut-In(2)
182	124.18	110.99	End Shut-In(2)
183	1966.10	112.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud w ith oil specs	0.01

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Co  
250 N. Water Ste. 300  
Wichita KS 67202  
ATTN: Bob Stolzle

**6 6s 29w Sheridan,KS**  
**Shaw-Albers #1-6**  
Job Ticket: 52745      **DST#: 3**  
Test Start: 2013.09.25 @ 09:40:00

**Tool Information**

Drill Pipe:	Length: 3781.00 ft	Diameter: 3.80 inches	Volume: 53.04 bbl	Tool Weight: 2800.00 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: 233.00 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 54.19 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4030.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			4007.00	
Hydraulic tool	5.00			4012.00	
Jars	5.00			4017.00	
Safety Joint	3.00			4020.00	
Packer	5.00			4025.00	28.00      Bottom Of Top Packer
Packer	5.00			4030.00	
Stubb	1.00			4031.00	
Recorder	0.00	8673	Inside	4031.00	
Recorder	0.00	8651	Outside	4031.00	
Perforations	36.00			4067.00	
Bullnose	3.00			4070.00	40.00      Bottom Packers & Anchor

**Total Tool Length: 68.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Co

**6 6s 29w Sheridan,KS**

250 N. Water Ste. 300  
Wichita KS 67202

**Shaw-Albers #1-6**

Job Ticket: 52745

**DST#: 3**

ATTN: Bob Stolzle

Test Start: 2013.09.25 @ 09:40:00

## 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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud w ith oil specs	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

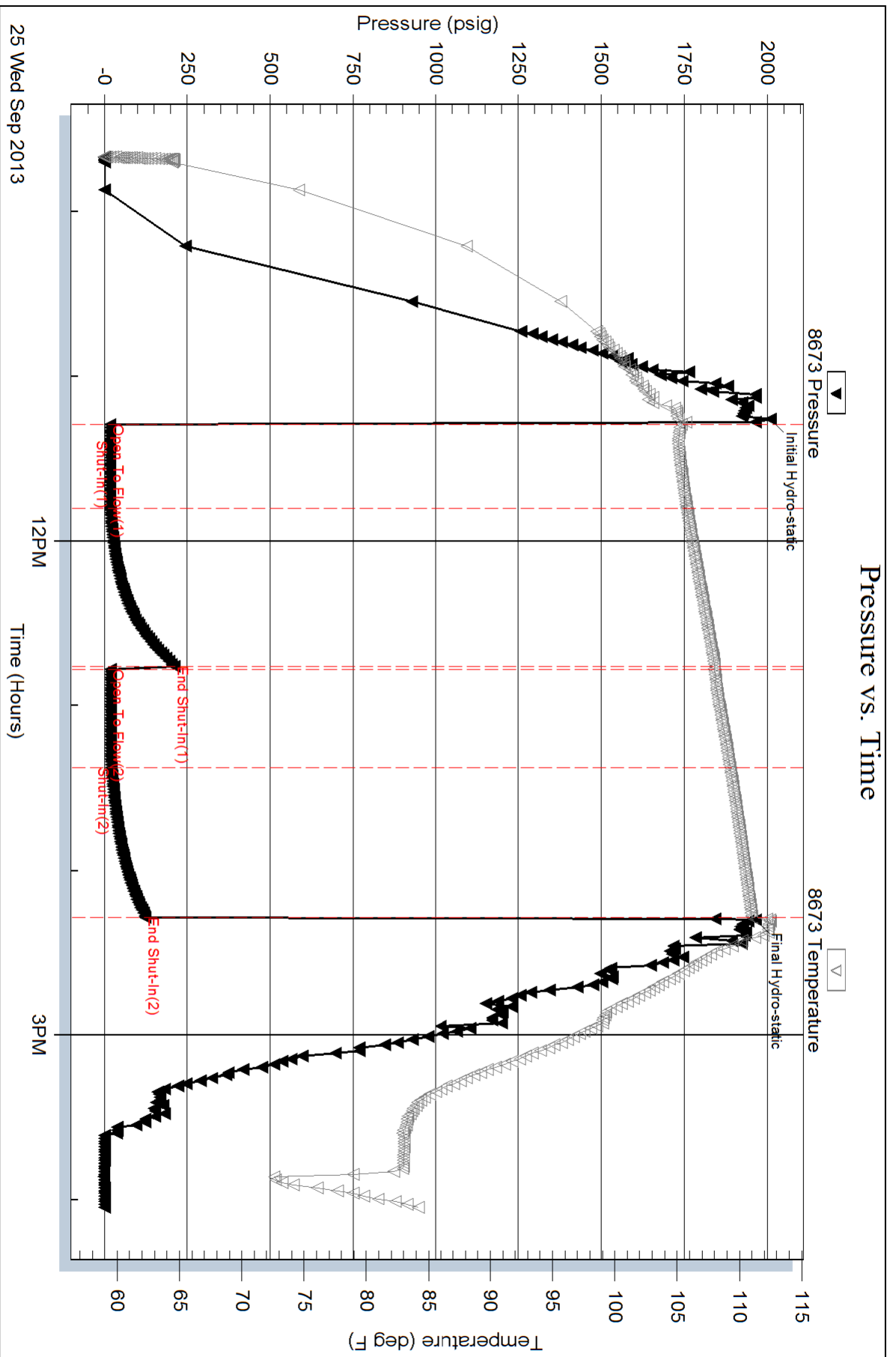
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

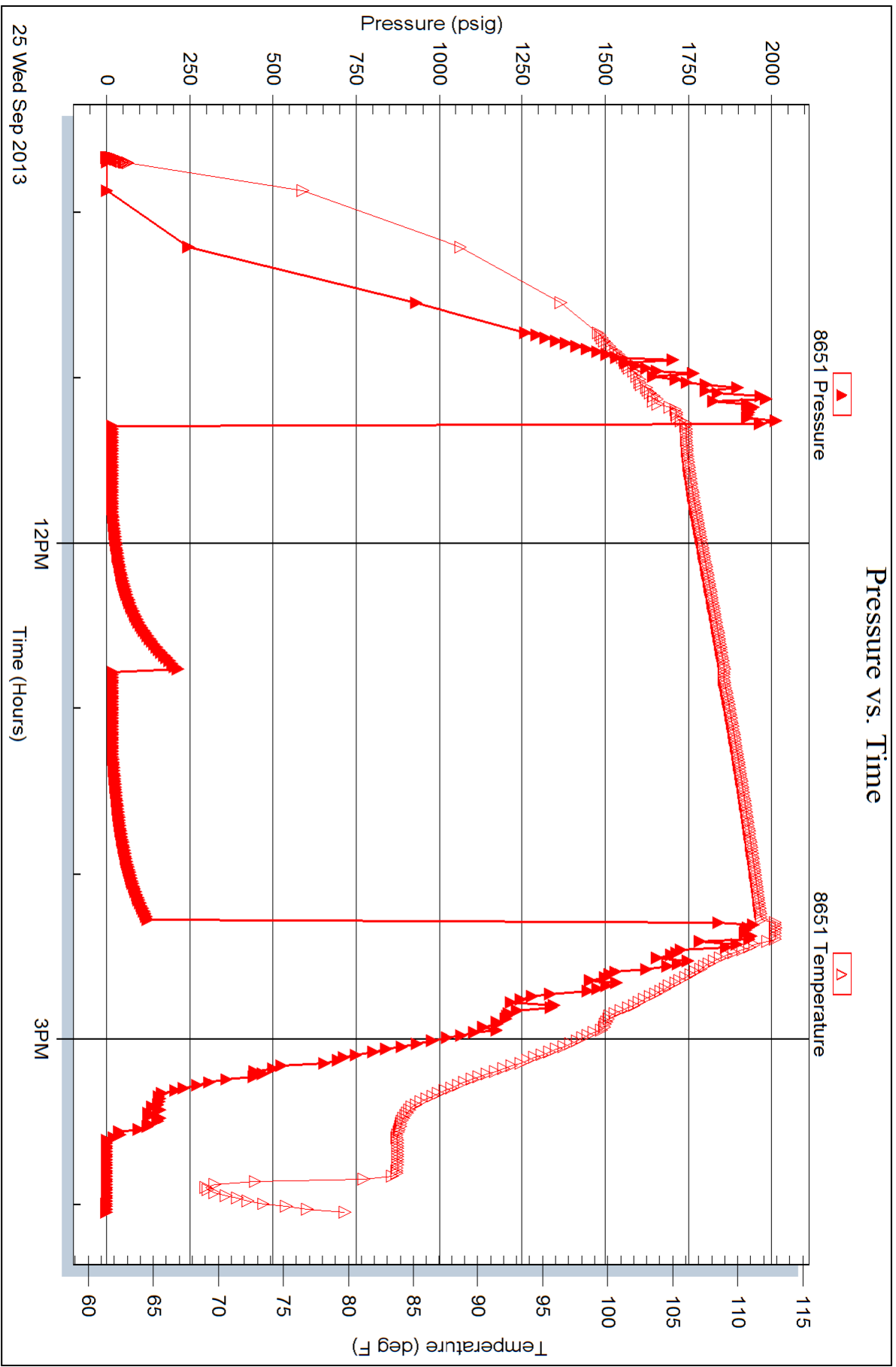


Serial #: 8651

Outside Murfin Drilling Co

Shaw-Albers #1-6

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 52743

Well Name & No. Shaw-Alberts # 1-6 Test No. 1 Date 9-24-2013  
 Company Murfin Drilling Co. Elevation 2802 KB 2792 GL  
 Address 250 N. Water Ste. 300 Wichita Ks 67202  
 Co. Rep / Geo. Bob Stolze Rig Murfin #2  
 Location: Sec. 6 Twp. 6S Rge. 29W Co. Shelburne State Ks

Interval Tested 3858 3937 Zone Tested Edwards - LRC, A, B  
 Anchor Length 79 Drill Pipe Run 3627 Mud Wt. 8.9  
 Top Packer Depth 3853 Drill Collars Run 233 Vis 54  
 Bottom Packer Depth 3858 Wt. Pipe Run 0 WL 6.0  
 Total Depth 3937 Chlorides 1,300 ppm System LCM 6#

Blow Description IF: Weak blow, Built to 4 in. over 30 mins -

ISE: No blow back

FF: No blow

FSE: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>116</u>	<u>HOCWM</u>		<u>60</u>	<u>10</u>	<u>30</u>
<u>117</u>	<u>HOCWM</u>		<u>50</u>	<u>30</u>	<u>20</u>

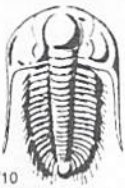
Rec Total 233 BHT 114 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1983  Test 1150 T-On Location 1:20  
 (B) First Initial Flow 33  Jars 250 T-Started 1:55  
 (C) First Final Flow 72  Safety Joint 75 T-Open 4:23  
 (D) Initial Shut-In 1244  Circ Sub T-Pulled 8:25  
 (E) Second Initial Flow 80  Hourly Standby T-Out 10:13  
 (F) Second Final Flow 109  Mileage 30x2 = 60x1.55 93 Comments \_\_\_\_\_  
 (G) Final Shut-In 1264  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1997  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 1568  
 Final Flow 60  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 90 Sub Total 1568

Approved By \_\_\_\_\_ Our Representative Chris [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 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. 52744

4/10

Well Name & No. Shaw-Alberts #1-6 Test No. 2 Date 9-24-2013  
 Company Murfin Drilling Co. Elevation 2802 KB 2792 GL \_\_\_\_\_  
 Address 250 N. Water Ste. 300 Wichita KS. 67202  
 Co. Rep / Geo. Bob Stolzle Rig Murfin #2  
 Location: Sec. 6 Twp. 6S Rge. 29W Co. Sheridan State KS

Interval Tested 3956 3980 Zone Tested LKC-E, F  
 Anchor Length \_\_\_\_\_ 24 Drill Pipe Run 3715 Mud Wt. 9.0  
 Top Packer Depth \_\_\_\_\_ 3951 Drill Collars Run 233 Vis 56  
 Bottom Packer Depth \_\_\_\_\_ 3956 Wt. Pipe Run 0. WL 6.0  
 Total Depth \_\_\_\_\_ 3980 Chlorides 1,100 ppm System LCM 6\*

Blow Description IF: Weak blow, Blow started and stopped through out 30mins  
ISS: No blow back

FF: Weak surface blow, Died in Secs.

FSS: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Free oil</u>		<u>100</u>		
<u>1</u>	<u>OCM</u>		<u>60</u>		<u>40</u>
_____	_____				
_____	_____				
_____	_____				

Rec Total 3 BHT 112 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic _____ <u>2063</u>	<input checked="" type="checkbox"/> Test _____ 1150	T-On Location _____ <u>18:43</u>
(B) First Initial Flow _____ <u>18</u>	<input checked="" type="checkbox"/> Jars _____ 250	T-Started _____ <u>17:10</u>
(C) First Final Flow _____ <u>19</u>	<input checked="" type="checkbox"/> Safety Joint _____ 75	T-Open _____ <u>19:02</u>
(D) Initial Shut-In _____ <u>939</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled _____ <u>21:00</u>
(E) Second Initial Flow _____ <u>22</u>	<input type="checkbox"/> Hourly Standby _____	T-Out _____ <u>22:53</u>
(F) Second Final Flow _____ <u>23</u>	<input checked="" type="checkbox"/> Mileage <u>30x2 = 60x.55 =</u> 93	Comments _____
(G) Final Shut-In _____ <u>907</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic _____ <u>1458</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open _____ <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In _____ <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow _____ <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total _____ <u>0</u>
Final Shut-In _____ <u>30</u>	<input type="checkbox"/> Day Standby _____	Total _____ <u>1568</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total _____ <u>1568</u>	

Approved By \_\_\_\_\_ Our Representative [Signature]  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 52745

Well Name & No. Shaw-Albers #1-6 Test No. 3 Date 9-25-2013  
 Company Murfin Drilling Co. Elevation 2800 KB 2792 GL  
 Address 250 N. Water Ste. 300 Wichita Ks. 67202  
 Co. Rep / Geo. Bob Stolzle Rig Murfin #2  
 Location: Sec. 6 Twp. 6S Rge. 29W Co. Sheridan State Ks.

Interval Tested 4030 4070 Zone Tested LKC-J  
 Anchor Length 40 Drill Pipe Run 3781 Mud Wt. 9.0  
 Top Packer Depth 4025 Drill Collars Run 233 Vis 58  
 Bottom Packer Depth 4030 Wt. Pipe Run - 0' WL 6.0  
 Total Depth 4070 Chlorides 1,100 ppm System LCM 4#

Blow Description IF: Weak surface blow, Dead in 20 mins.

ISI: No blow back

FF: No blow

FS: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud with oil specs</u>				

Rec Total 2 BHT 109 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2010</u> <del>2020</del>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>9:10</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>9:40</u>
(C) First Final Flow <u>18</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>11:17</u>
(D) Initial Shut-In <u>211</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>14:15</u>
(E) Second Initial Flow <u>18</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:02</u>
(F) Second Final Flow <u>21</u>	<input checked="" type="checkbox"/> Mileage <u>30x2=60x1.56</u> 186	Comments <u>Loaded tools on</u>
(G) Final Shut-In <u>124</u>	<input type="checkbox"/> Sampler	<u>9-26-at 6:00 A.M.</u>
(H) Final Hydrostatic <u>1966</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>60</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1761</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1761</u>	

Approved By \_\_\_\_\_ Our Representative Chuck Hager

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