



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

ATTN: Wes Hansen

### **Janzen #1-7**

#### **7-17s-33w-Scott,KS**

Start Date: 2014.05.03 @ 23:57:00

End Date: 2014.05.04 @ 09:15:45

Job Ticket #: 56525                      DST #: 1

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

Printed: 2014.05.13 @ 09:16:12



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56525

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2014.05.03 @ 23:57:00

## GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:43:15

Time Test Ended: 09:15:45

Test Type: Conventional Straddle (Initial)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4202.00 ft (KB) To 4232.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4317.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8522**

**Inside**

Press@RunDepth: 746.91 psig @ 4204.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.03

End Date:

2014.05.04

Last Calib.:

2014.05.04

Start Time: 23:57:05

End Time:

09:15:45

Time On Btm:

2014.05.04 @ 02:43:00

Time Off Btm:

2014.05.04 @ 06:30:45

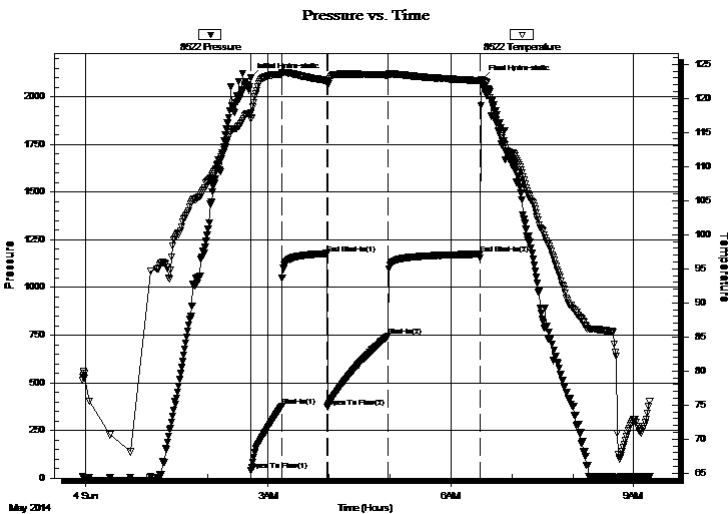
TEST COMMENT: IF: BOB in 5 min.

IS: Bled off in 2 min.-No return

FF: BOB in 6 min.

FS: Bled off in 1 1/2 min.-No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2099.01	117.82	Initial Hydro-static
1	40.30	116.99	Open To Flow (1)
31	376.56	123.51	Shut-In(1)
75	1178.58	122.59	End Shut-In(1)
76	373.28	122.09	Open To Flow (2)
135	746.91	123.42	Shut-In(2)
226	1175.44	122.59	End Shut-In(2)
228	2090.09	122.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
275.00	G & Mcw 5g 25m 70w	1.35
630.00	Gw 5g 95w	8.84
441.00	G & Mcw 2g 5m 93w	6.19
252.00	Wm 15w 85m	3.53

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56525

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2014.05.03 @ 23:57:00

## Tool Information

Drill Pipe:	Length: 3920.00 ft	Diameter: 3.80 inches	Volume: 54.99 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: 26000.00 lb
Drill Collar:	Length: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 10000.00 lb
			<u>Total Volume: 56.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4202.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	4232.00 ft			
Interval between Packers:	30.00 ft			
Tool Length:	142.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4176.00	
Shut In Tool	5.00			4181.00	
Hydraulic tool	5.00			4186.00	
Jars	5.00			4191.00	
Safety Joint	2.00			4193.00	
Packer	5.00			4198.00	27.00 Bottom Of Top Packer
Packer	4.00			4202.00	
Stubb	1.00			4203.00	
Perforations	1.00			4204.00	
Recorder	0.00	8522	Inside	4204.00	
Recorder	0.00	8678	Outside	4204.00	
Perforations	24.00			4228.00	
Blank Off Sub	1.00			4229.00	
Top of Straddle Packer	3.00			4232.00	30.00 Tool Interval
Packer	1.00			4233.00	
Stubb	1.00			4234.00	
Change Over Sub	1.00			4235.00	
Drill Pipe	63.00			4298.00	
Recorder	0.00	8677	Below	4298.00	
Change Over Sub	1.00			4299.00	
Perforations	15.00			4314.00	
Bullnose	3.00			4317.00	85.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>142.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56525

**DST#: 1**

ATTN: Wes Hansen

Test Start: 2014.05.03 @ 23:57:00

## 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:

48000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.76 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
275.00	G & Mcw 5g 25m 70w	1.352
630.00	Gw 5g 95w	8.837
441.00	G & Mcw 2g 5m 93w	6.186
252.00	Wm 15w 85m	3.535

Total Length: 1598.00 ft      Total Volume: 19.910 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

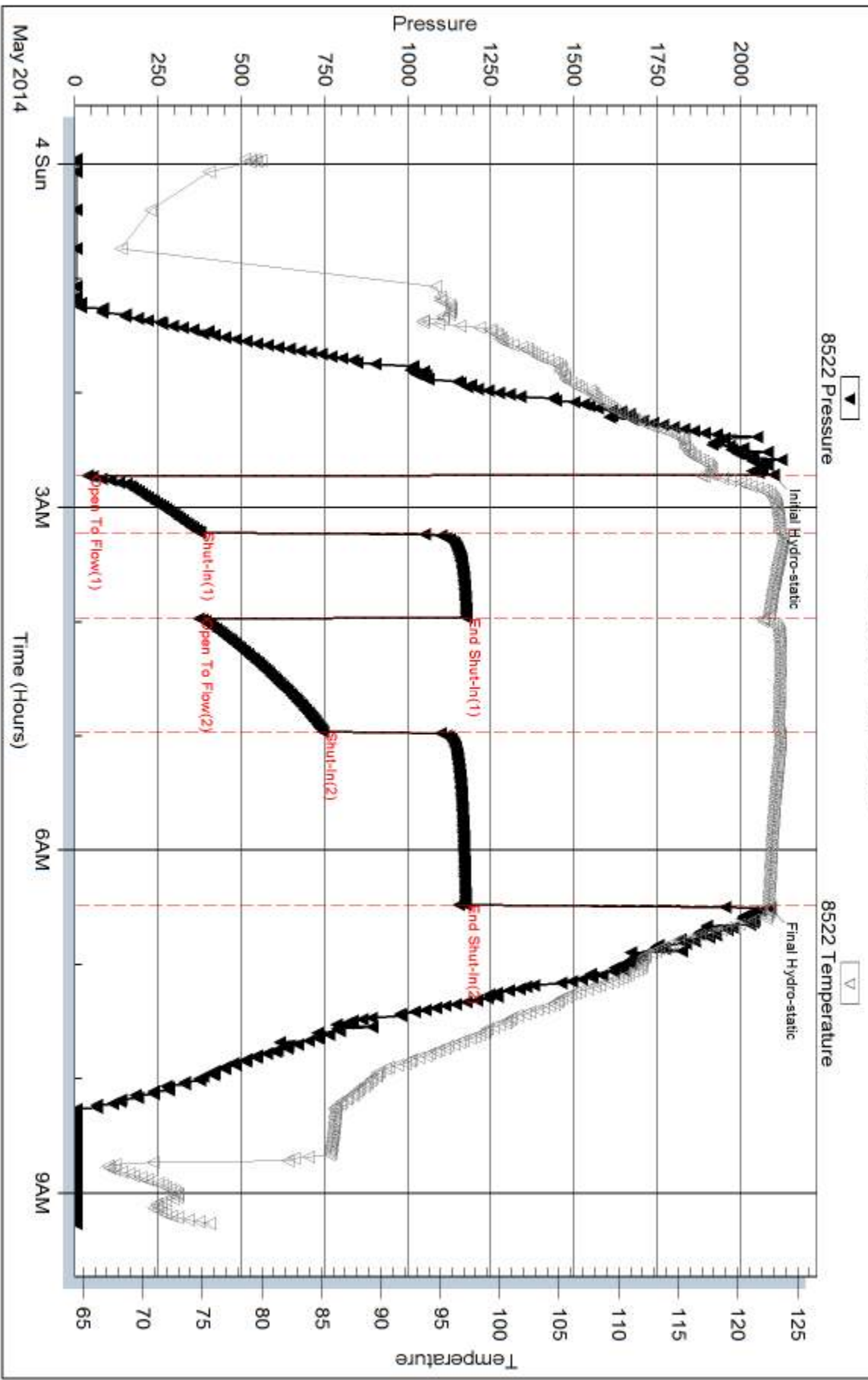
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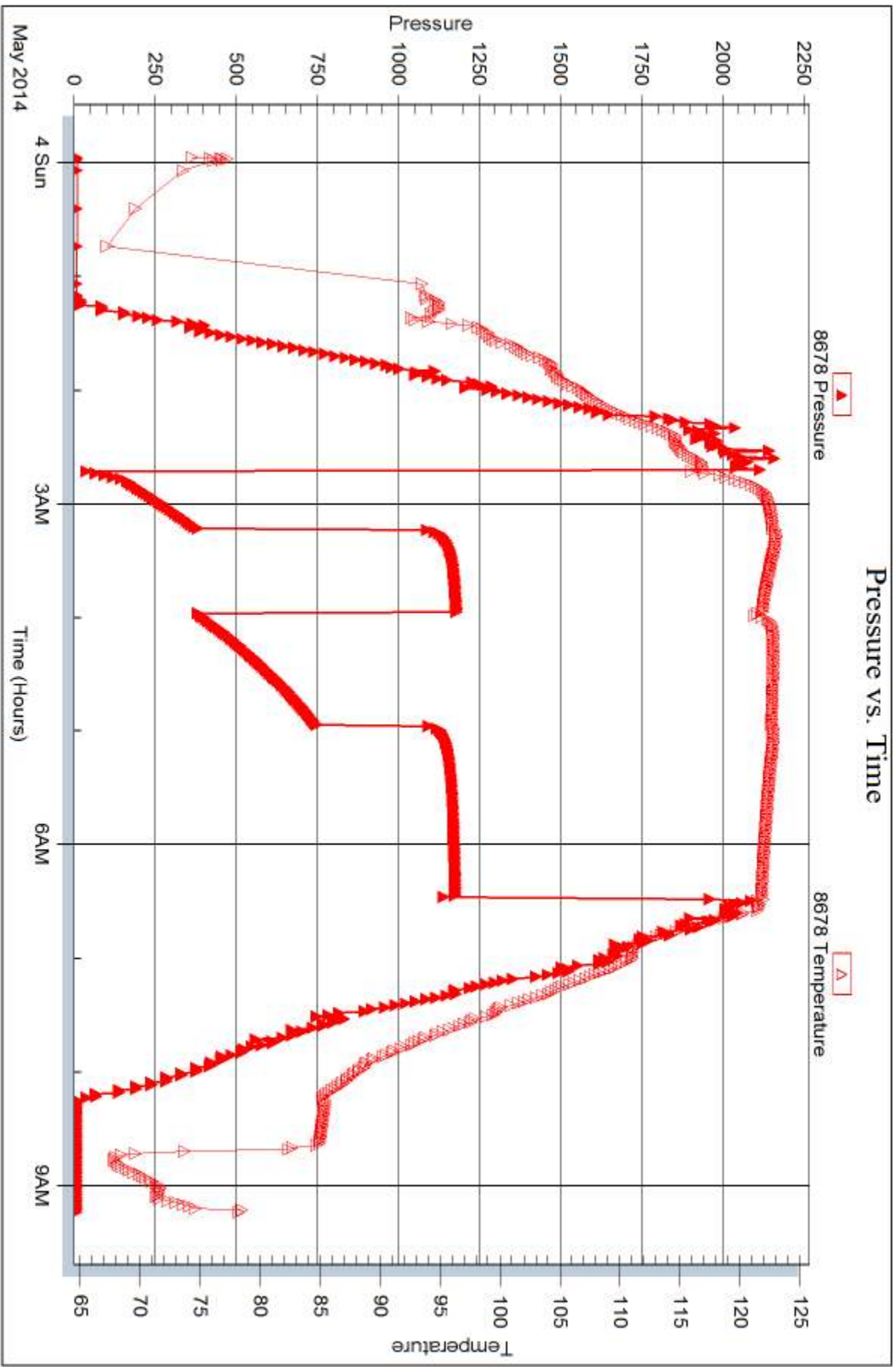
Laboratory Name:

Laboratory Location:

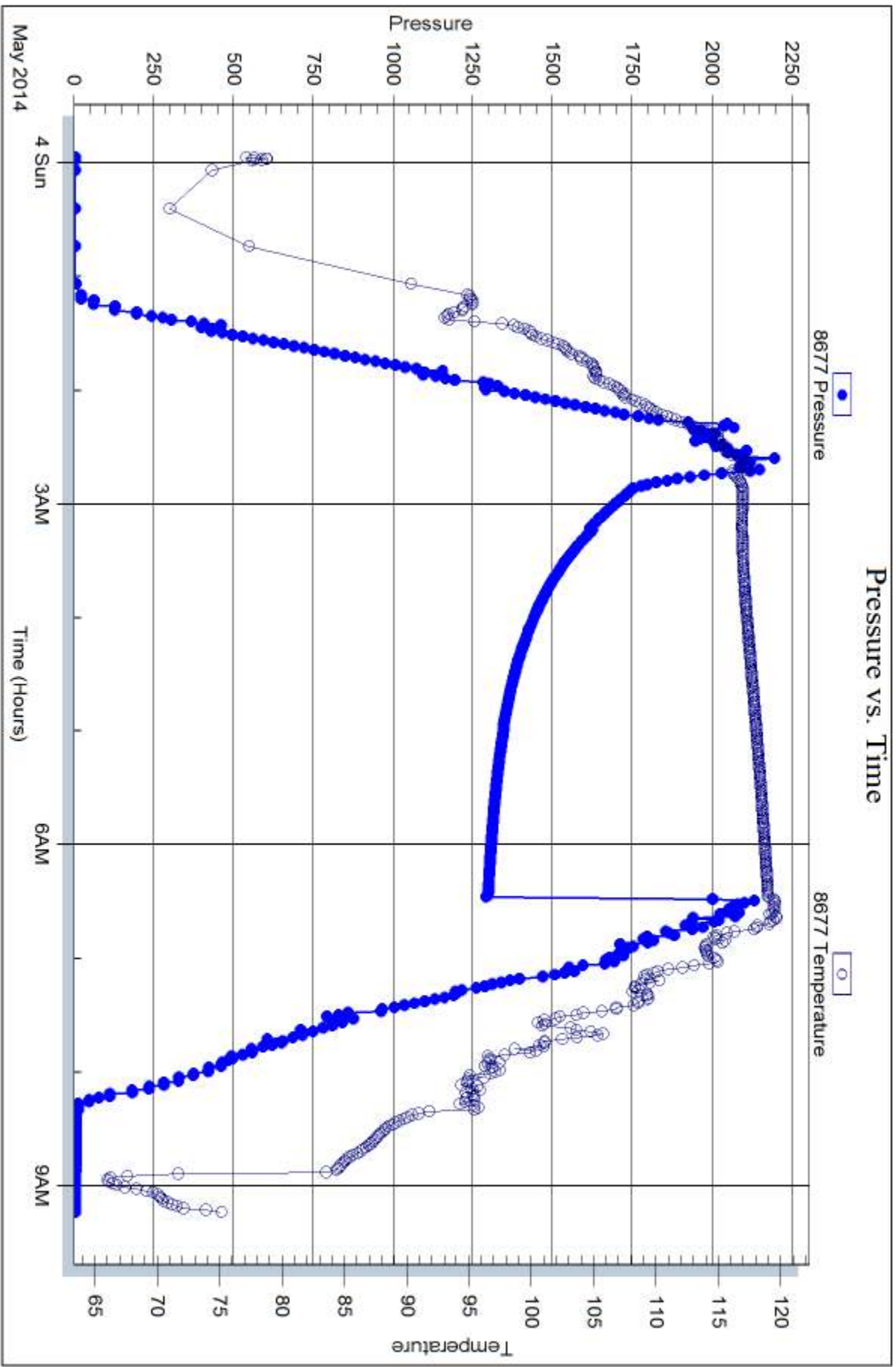
Recovery Comments: RW .161 @ 67=48000

# Pressure vs. Time











## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

ATTN: Wes Hansen

### **Janzen #1-7**

#### **7-17s-33w-Scott,KS**

Start Date: 2014.05.05 @ 02:11:00

End Date: 2014.05.05 @ 09:16:15

Job Ticket #: 56526                      DST #: 2

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

Printed: 2014.05.13 @ 09:15:44



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56526

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 02:11:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:30:30

Time Test Ended: 09:16:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4412.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4470.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8677 Outside**

Press@RunDepth: 56.03 psig @ 4415.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.05

End Date:

2014.05.05

Last Calib.:

2014.05.05

Start Time:

02:11:05

End Time:

09:16:14

Time On Btm:

2014.05.05 @ 04:30:15

Time Off Btm:

2014.05.05 @ 07:15:45

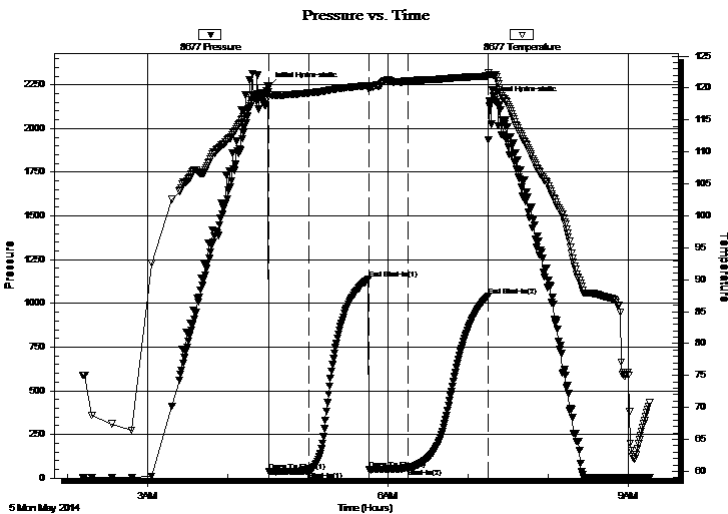
TEST COMMENT: IF: 1/2" Blow -Died in 20 min.

IS: No return

FF: No blow

FS: No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2237.73	119.48	Initial Hydro-static
1	39.21	118.64	Open To Flow (1)
31	41.44	119.22	Shut-In(1)
76	1139.48	120.37	End Shut-In(1)
76	48.30	119.75	Open To Flow (2)
105	56.03	121.20	Shut-In(2)
165	1041.72	121.85	End Shut-In(2)
166	2157.26	122.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	G & Ocm 5g 35o 60m	0.02
4.00	G & Mco 5g 40m 55o	0.02
1.00	Co 100o	0.00

\* Recovery from multiple tests

## Gas Rates

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



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# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56526

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 02:11:00

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:30:30

Time Test Ended: 09:16:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4412.00 ft (KB) To 4470.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4470.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8678** Inside

Press@RunDepth: psig @ 4415.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.05

End Date:

2014.05.05

Last Calib.:

2014.05.05

Start Time: 02:11:05

End Time:

09:16:14

Time On Btm:

Time Off Btm:

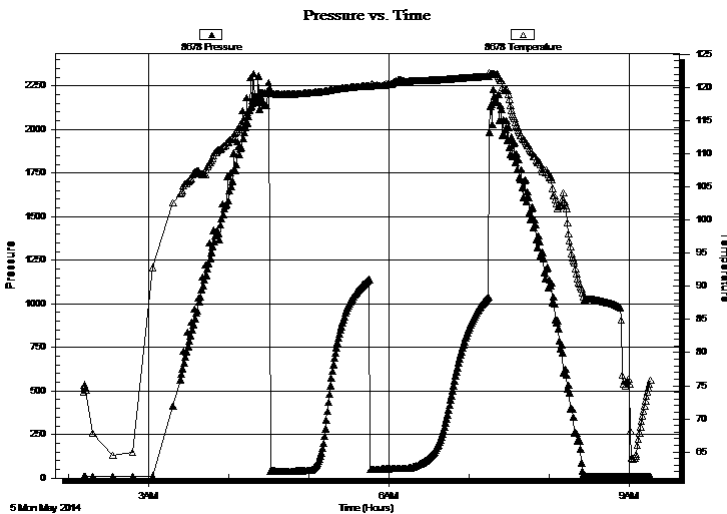
**TEST COMMENT:** IF: 1/2" Blow -Died in 20 min.

IS: No return

FF: No blow

FS: No return

## PRESSURE SUMMARY



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

Length (ft)	Description	Volume (bbl)
5.00	G & Ocm 5g 35o 60m	0.02
4.00	G & Mco 5g 40m 55o	0.02
1.00	Co 100o	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56526

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 02:11:00

## Tool Information

Drill Pipe:	Length: 4115.00 ft	Diameter: 3.80 inches	Volume: 57.72 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:	26000.00 lb
Drill Collar:	Length: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose:	20000.00 lb
			<u>Total Volume: 59.07 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	76000.00 lb
Depth to Top Packer:	4412.00 ft			Final	76000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	58.00 ft				
Tool Length:	85.00 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			4386.00	
Shut In Tool	5.00			4391.00	
Hydraulic tool	5.00			4396.00	
Jars	5.00			4401.00	
Safety Joint	2.00			4403.00	
Packer	5.00			4408.00	27.00 Bottom Of Top Packer
Packer	4.00			4412.00	
Stubb	1.00			4413.00	
Perforations	1.00			4414.00	
Change Over Sub	1.00			4415.00	
Recorder	0.00	8678	Inside	4415.00	
Recorder	0.00	8677	Outside	4415.00	
Drill Pipe	31.00			4446.00	
Change Over Sub	1.00			4447.00	
Perforations	20.00			4467.00	
Bullnose	3.00			4470.00	58.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>85.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56526

**DST#: 2**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 02:11:00

## 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: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
5.00	G & Ocm 5g 35o 60m	0.025
4.00	G & Mco 5g 40m 55o	0.020
1.00	Co 100o	0.005

Total Length: 10.00 ft      Total Volume: 0.050 bbl

Num Fluid Samples: 0

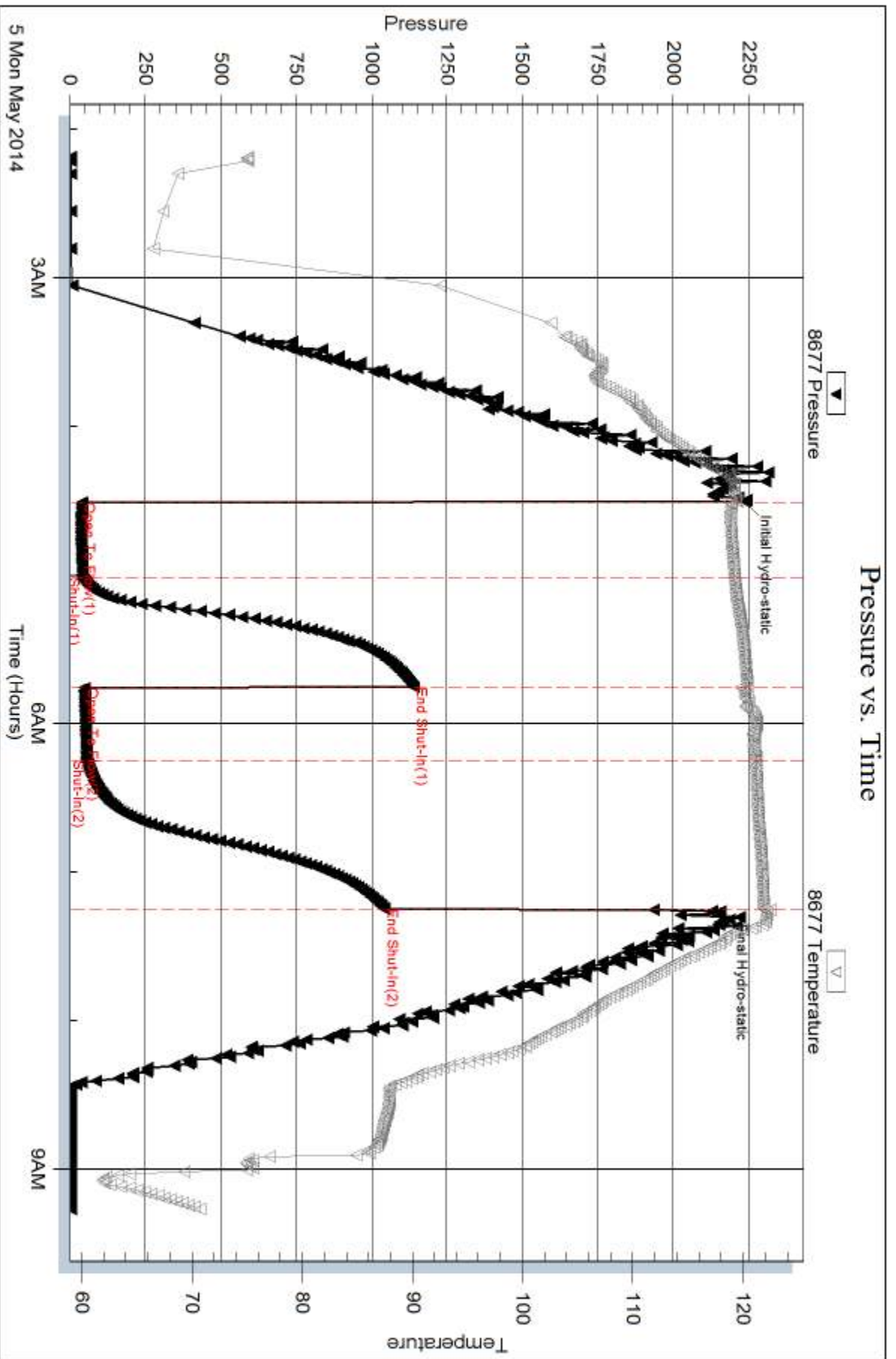
Num Gas Bombs: 0

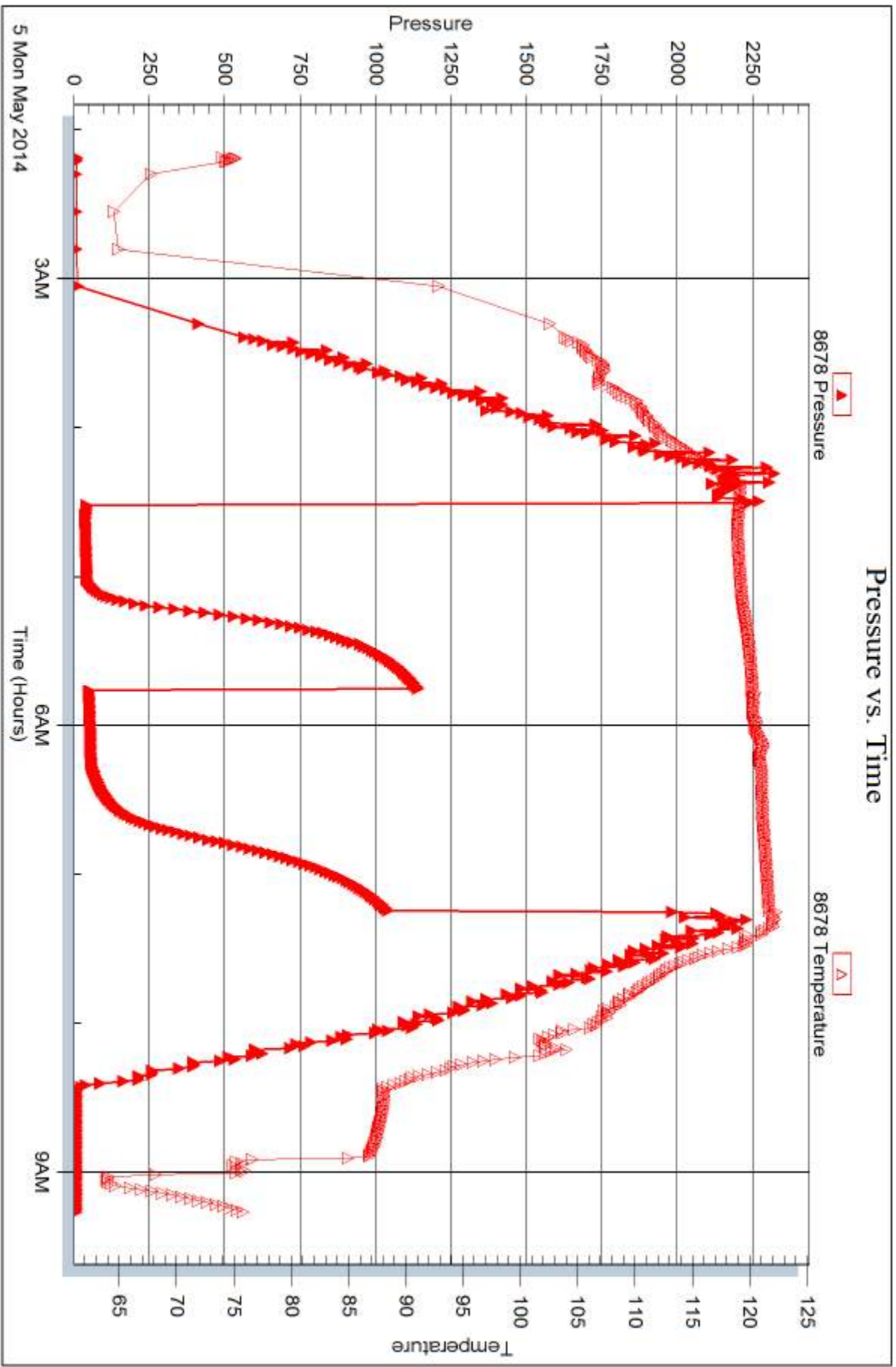
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:









## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

ATTN: Wes Hansen

### **Janzen #1-7**

#### **7-17s-33w-Scott,KS**

Start Date: 2014.05.05 @ 17:15:00

End Date: 2014.05.06 @ 02:05:45

Job Ticket #: 56527                      DST #: 3

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

Printed: 2014.05.13 @ 09:15:24



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56527

**DST#: 3**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 17:15:00

## GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:26:15

Time Test Ended: 02:05:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4468.00 ft (KB) To 4500.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4500.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8678**

**Inside**

Press@RunDepth: 261.64 psig @ 4470.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.05

End Date:

2014.05.06

Last Calib.:

2014.05.06

Start Time: 17:15:05

End Time:

02:05:45

Time On Btm:

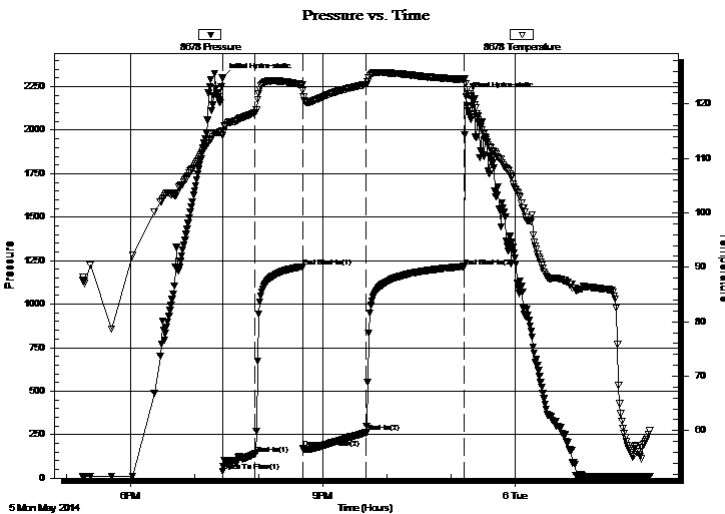
2014.05.05 @ 19:26:00

Time Off Btm:

2014.05.05 @ 23:13:45

**TEST COMMENT:** IF: BOB in 9 min.  
IS: Bled off in 3 min.-BOB in 10 min.  
FF: BOB Immediately  
FS: Bled off in 3 min.- BOB in 30 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2301.31	115.02	Initial Hydro-static
1	37.23	114.12	Open To Flow (1)
31	138.84	118.36	Shut-In(1)
75	1211.89	123.53	End Shut-In(1)
76	169.85	122.44	Open To Flow (2)
135	261.64	123.60	Shut-In(2)
226	1216.00	124.46	End Shut-In(2)
228	2193.08	123.74	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
61.00	Mcgo 10m 15g 75o	0.30
498.00	Cgo 50g 50o	5.04
126.00	Cgo 30g 70o	1.77
0.00	GIP=2111	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56527

**DST#: 3**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 17:15:00

## Tool Information

Drill Pipe:	Length: 4180.00 ft	Diameter: 3.80 inches	Volume: 58.63 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:	26000.00 lb
Drill Collar:	Length: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose:	10000.00 lb
			<u>Total Volume: 59.98 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	76000.00 lb
Depth to Top Packer:	4468.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	59.00 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			4442.00	
Shut In Tool	5.00			4447.00	
Hydraulic tool	5.00			4452.00	
Jars	5.00			4457.00	
Safety Joint	2.00			4459.00	
Packer	5.00			4464.00	27.00 Bottom Of Top Packer
Packer	4.00			4468.00	
Stubb	1.00			4469.00	
Perforations	1.00			4470.00	
Recorder	0.00	8678	Inside	4470.00	
Recorder	0.00	8677	Outside	4470.00	
Perforations	27.00			4497.00	
Bullnose	3.00			4500.00	32.00 Bottom Packers & Anchor

**Total Tool Length: 59.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56527

**DST#: 3**

ATTN: Wes Hansen

Test Start: 2014.05.05 @ 17:15:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.73 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	Mcgo 10m 15g 75o	0.300
498.00	Cgo 50g 50o	5.036
126.00	Cgo 30g 70o	1.767
0.00	GIP=2111	0.000

Total Length: 685.00 ft      Total Volume: 7.103 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

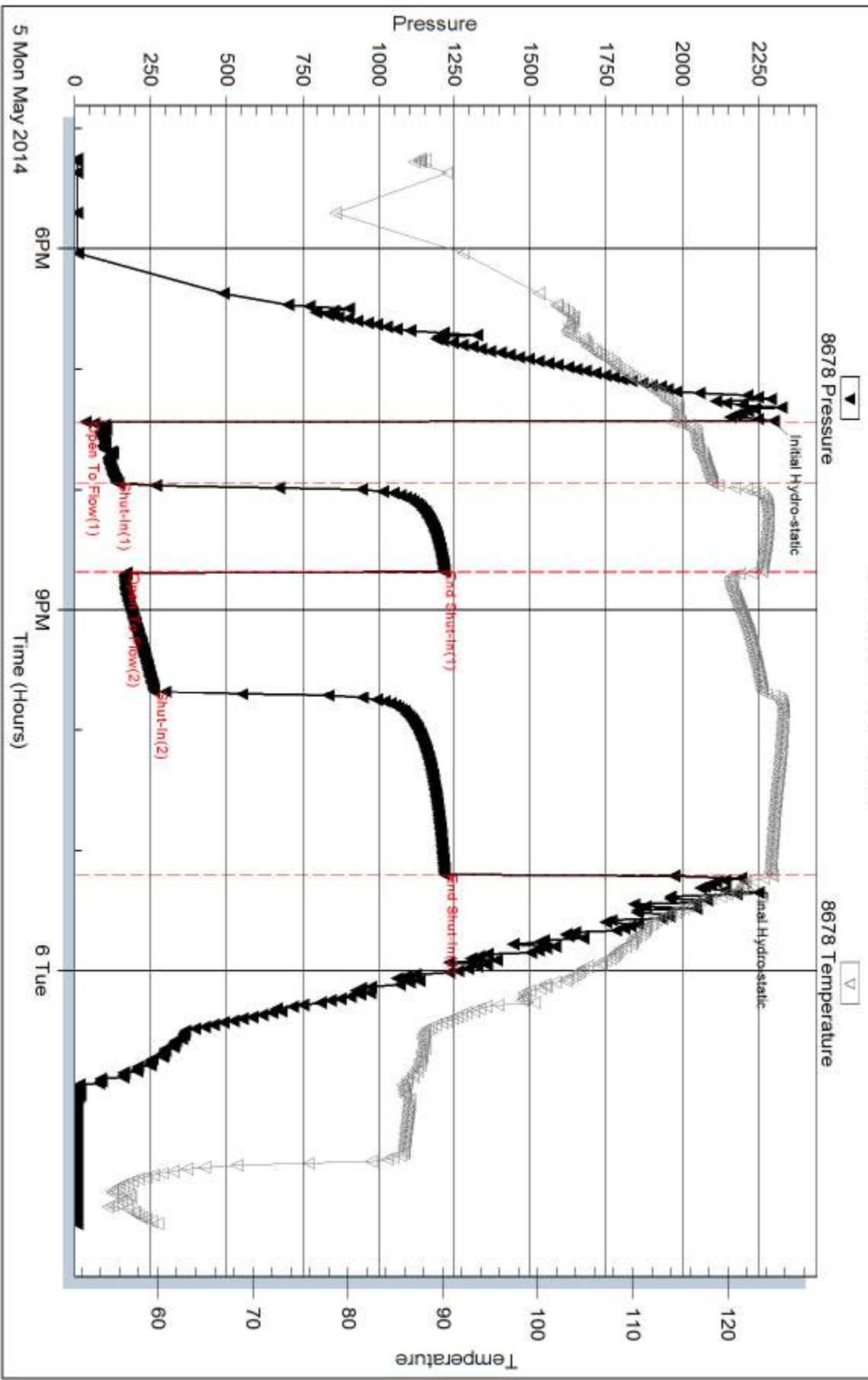
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity 30@50=31

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

ATTN: Wes Hansen

### **Janzen #1-7**

#### **7-17s-33w-Scott,KS**

Start Date: 2014.05.06 @ 18:03:00

End Date: 2014.05.07 @ 02:25:15

Job Ticket #: 56528                      DST #: 4

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

Printed: 2014.05.13 @ 09:15:03



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56528

**DST#: 4**

ATTN: Wes Hansen

Test Start: 2014.05.06 @ 18:03:00

## GENERAL INFORMATION:

Formation: **Myrice Station-Ft. S**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:07:15

Time Test Ended: 02:25:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 69

**Interval: 4552.00 ft (KB) To 4600.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4600.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8677 Outside**

Press@RunDepth: 182.26 psig @ 4555.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.06

End Date:

2014.05.07

Last Calib.:

2014.05.07

Start Time:

18:03:05

End Time:

02:25:14

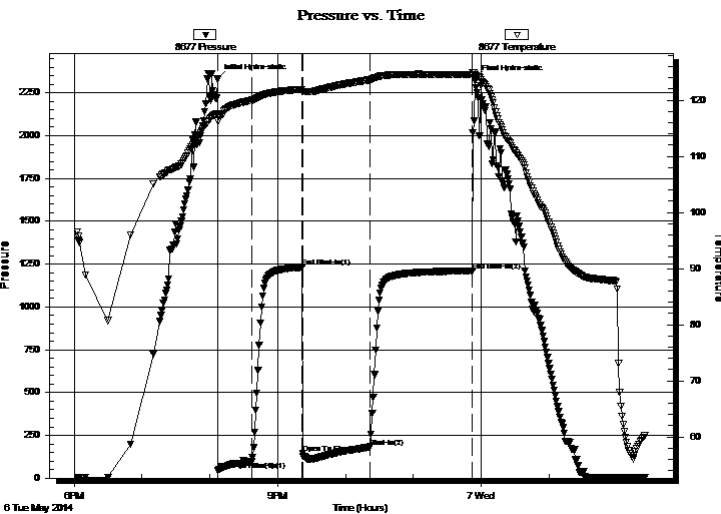
Time On Btm:

2014.05.06 @ 20:07:00

Time Off Btm:

2014.05.06 @ 23:54:30

**TEST COMMENT:** IF: BOB in 4 1/2 min.  
IS: Bled off in 4 min.-4". of Blow back-Died in 21 min.  
FF: BOB in 4 1/2 min.  
FS: Bled off in 4 min.-BOB in 20 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2332.56	117.74	Initial Hydro-static
1	43.88	116.31	Open To Flow (1)
30	95.97	120.00	Shut-In(1)
75	1231.88	121.97	End Shut-In(1)
76	145.50	121.58	Open To Flow (2)
135	182.26	123.67	Shut-In(2)
226	1210.99	124.59	End Shut-In(2)
228	2330.87	124.65	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mcgo 10m 20g 70o	0.15
245.00	Cgo 30g 70o	1.20
252.00	Cgo 20g 80o	3.53
0.00	GIP=3906	0.00

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56528

**DST#: 4**

ATTN: Wes Hansen

Test Start: 2014.05.06 @ 18:03:00

**GENERAL INFORMATION:**

Formation: **Myrice Station-Ft. S**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:07:15

Time Test Ended: 02:25:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cornelio Landa III

Unit No: 69

Interval: **4552.00 ft (KB) To 4600.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4600.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8678**

**Inside**

Press@RunDepth: psig @ 4555.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.06

End Date:

2014.05.07

Last Calib.:

2014.05.07

Start Time: 18:03:05

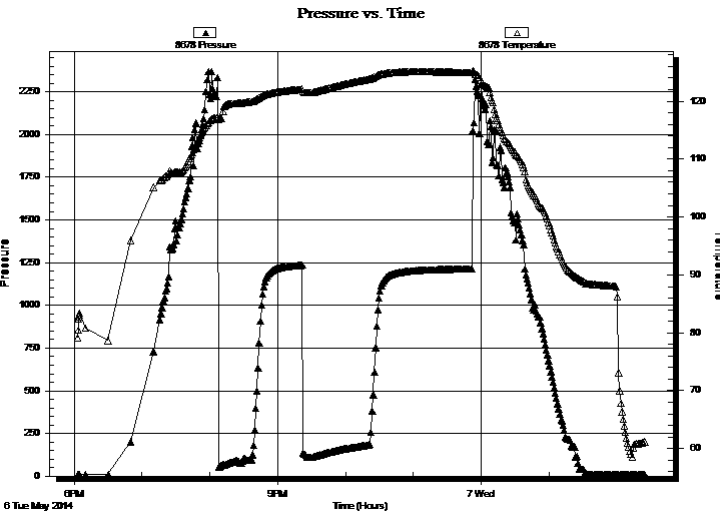
End Time:

02:25:14

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: BOB in 4 1/2 min.  
IS: Bled off in 4 min.-4". of Blow back-Died in 21 min.  
FF: BOB in 4 1/2 min.  
FS: Bled off in 4 min.-BOB in 20 min.



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
30.00	Mcgo 10m 20g 70o	0.15
245.00	Cgo 30g 70o	1.20
252.00	Cgo 20g 80o	3.53
0.00	GIP=3906	0.00

\* Recovery from multiple tests

**Gas Rates**

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56528

**DST#: 4**

ATTN: Wes Hansen

Test Start: 2014.05.06 @ 18:03:00

## Tool Information

Drill Pipe:	Length: 4272.00 ft	Diameter: 3.80 inches	Volume: 59.92 bbl	Tool Weight: 25000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 12000.00 lb
			<u>Total Volume: 61.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4552.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	75.00 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			4526.00	
Shut In Tool	5.00			4531.00	
Hydraulic tool	5.00			4536.00	
Jars	5.00			4541.00	
Safety Joint	2.00			4543.00	
Packer	5.00			4548.00	27.00 Bottom Of Top Packer
Packer	4.00			4552.00	
Stubb	1.00			4553.00	
Perforations	1.00			4554.00	
Change Over Sub	1.00			4555.00	
Recorder	0.00	8678	Inside	4555.00	
Recorder	0.00	8677	Outside	4555.00	
Drill Pipe	31.00			4586.00	
Change Over Sub	1.00			4587.00	
Perforations	10.00			4597.00	
Bullnose	3.00			4600.00	48.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>75.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 56528

**DST#: 4**

ATTN: Wes Hansen

Test Start: 2014.05.06 @ 18:03:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mcgo 10m 20g 70o	0.148
245.00	Cgo 30g 70o	1.205
252.00	Cgo 20g 80o	3.535
0.00	GIP=3906	0.000

Total Length: 527.00 ft      Total Volume: 4.888 bbl

Num Fluid Samples: 0

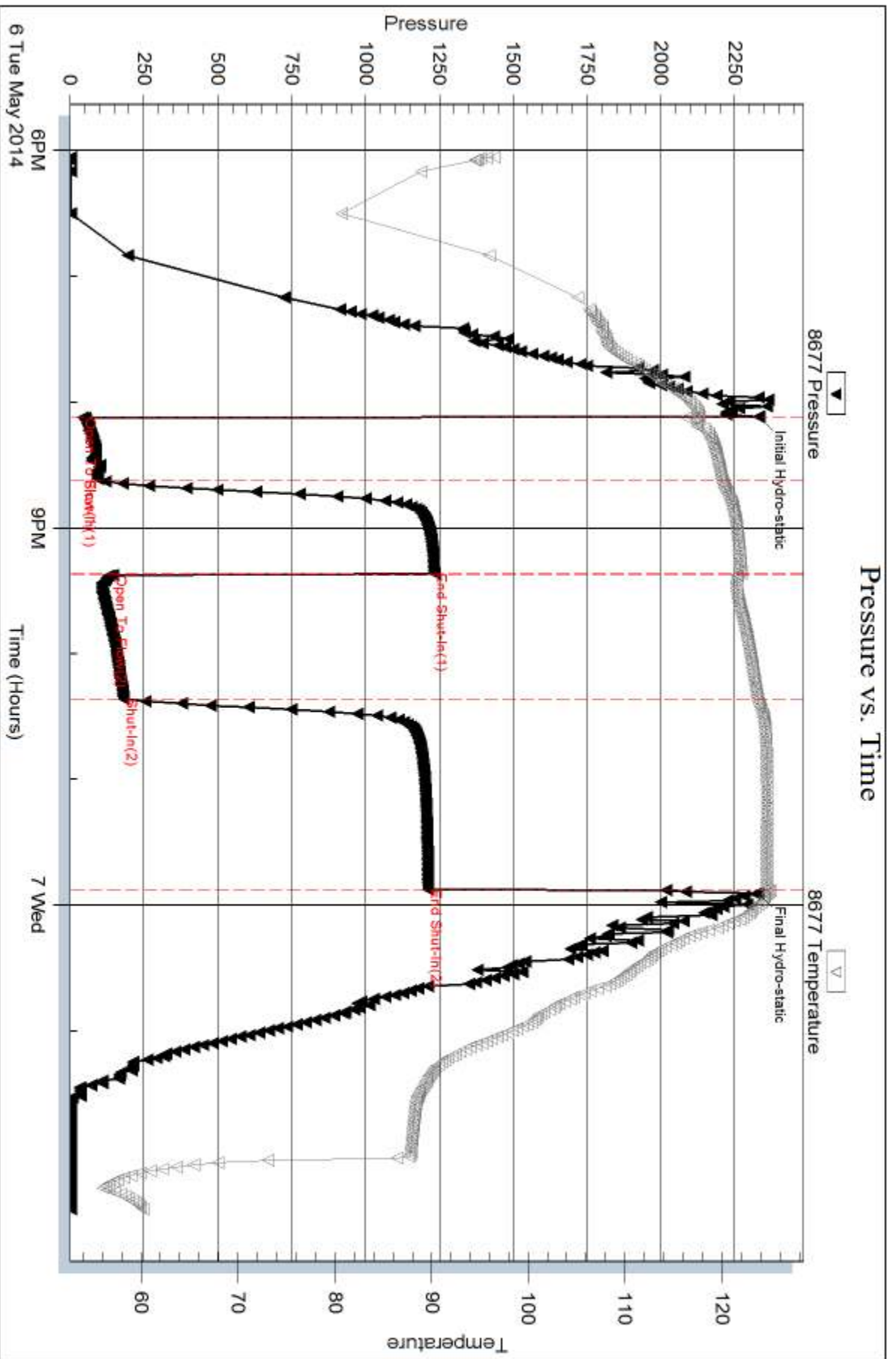
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravit 32@50=33



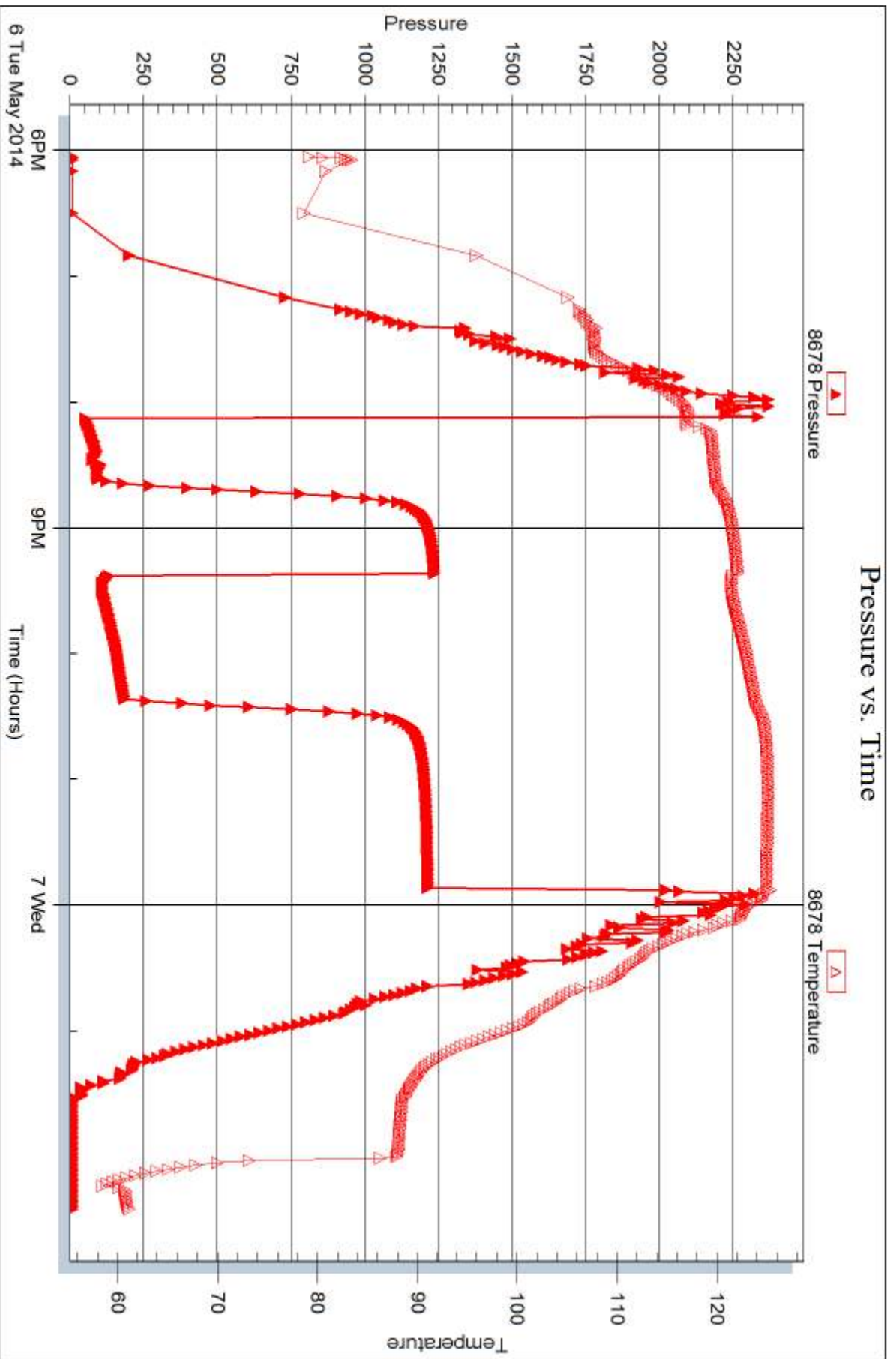
Serial #: 8678

Inside

Landmark Resources Inc.

Janzen #1-7

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 56528

Printed: 2014.05.13 @ 09:15:05



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc.**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

ATTN: Wes Hansen

### **Janzen #1-7**

#### **7-17s-33w-Scott,KS**

Start Date: 2014.05.07 @ 15:05:00

End Date: 2014.05.07 @ 22:18:30

Job Ticket #: 57643                      DST #: 5

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

Printed: 2014.05.13 @ 09:14:26



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 57643

**DST#: 5**

ATTN: Wes Hansen

Test Start: 2014.05.07 @ 15:05:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:22:30

Time Test Ended: 22:18:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

**Interval: 4642.00 ft (KB) To 4732.00 ft (KB) (TVD)**

Reference Elevations: 3098.00 ft (KB)

Total Depth: 4732.00 ft (KB) (TVD)

3087.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

**Serial #: 8522 Outside**

Press@RunDepth: 43.20 psig @ 4643.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.07

End Date:

2014.05.07

Last Calib.:

2014.05.07

Start Time: 15:05:05

End Time:

22:18:29

Time On Btm:

2014.05.07 @ 17:22:15

Time Off Btm:

2014.05.07 @ 20:12:15

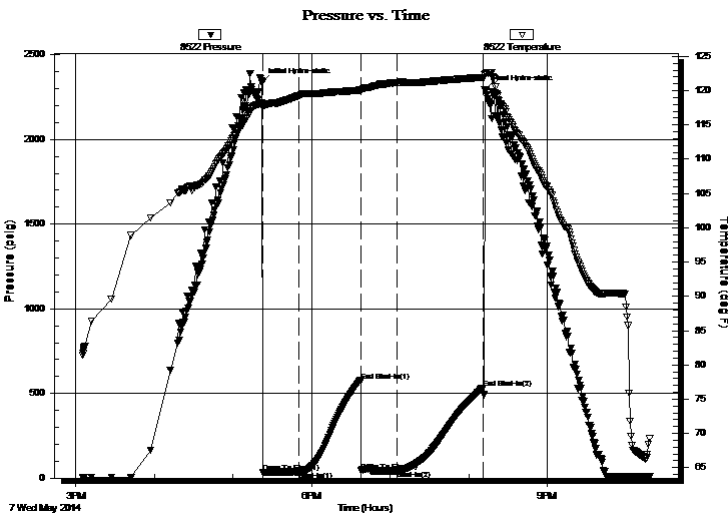
TEST COMMENT: IF: Surface blow , died @ 25 min.

IS: No return.

FF: No blow .

FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2337.22	118.19	Initial Hydro-static
1	31.66	117.49	Open To Flow (1)
29	37.91	119.24	Shut-In(1)
76	574.88	120.07	End Shut-In(1)
76	42.59	119.86	Open To Flow (2)
104	43.20	121.19	Shut-In(2)
169	531.46	121.95	End Shut-In(2)
170	2292.67	122.34	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	socm 1o 99m	0.15

\* Recovery from multiple tests

## Gas Rates

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



# DRILL STEM TEST REPORT

Landmark Resources Inc.

7-17s-33w-Scott,KS

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

Janzen #1-7

Job Ticket: 57643

DST#: 5

ATTN: Wes Hansen

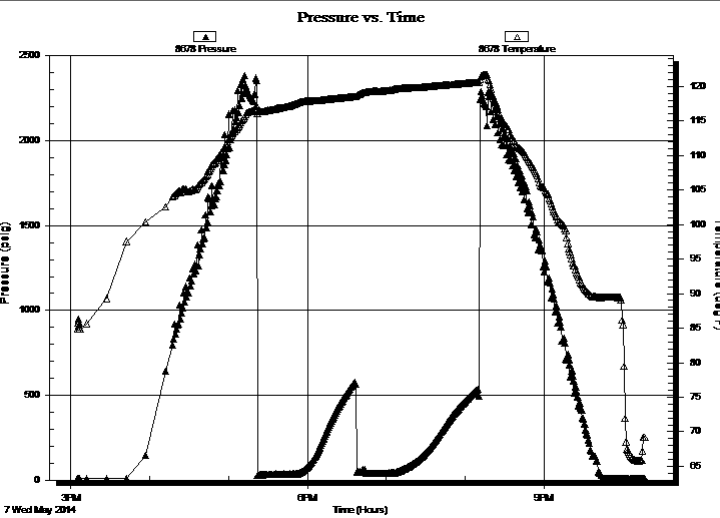
Test Start: 2014.05.07 @ 15:05:00

## GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 17:22:30 Tester: Bradley Walter  
 Time Test Ended: 22:18:30 Unit No: 69  
 Interval: **4642.00 ft (KB) To 4732.00 ft (KB) (TVD)** Reference Elevations: 3098.00 ft (KB)  
 Total Depth: 4732.00 ft (KB) (TVD) 3087.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

**Serial #: 8678** Inside  
 Press@RunDepth: psig @ 4643.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.05.07 End Date: 2014.05.07 Last Calib.: 2014.05.07  
 Start Time: 15:05:05 End Time: 22:17:14 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: Surface blow , died @ 25 min.  
 IS: No return.  
 FF: No blow .  
 FS: No return.



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

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	socm 1o 99m	0.15

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 57643

**DST#: 5**

ATTN: Wes Hansen

Test Start: 2014.05.07 @ 15:05:00

## Tool Information

Drill Pipe:	Length: 4364.00 ft	Diameter: 3.80 inches	Volume: 61.22 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: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 62.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4642.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	117.00 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			4616.00	
Shut In Tool	5.00			4621.00	
Hydraulic tool	5.00			4626.00	
Jars	5.00			4631.00	
Safety Joint	2.00			4633.00	
Packer	5.00			4638.00	27.00 Bottom Of Top Packer
Packer	4.00			4642.00	
Stubb	1.00			4643.00	
Recorder	0.00	8678	Inside	4643.00	
Recorder	0.00	8522	Outside	4643.00	
Perforations	21.00			4664.00	
Change Over Sub	1.00			4665.00	
Drill Pipe	63.00			4728.00	
Change Over Sub	1.00			4729.00	
Bullnose	3.00			4732.00	90.00 Bottom Packers & Anchor

**Total Tool Length: 117.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Inc.

**7-17s-33w-Scott,KS**

1616 S. Voss Rd Ste # 600  
Houston, TX 77057

**Janzen #1-7**

Job Ticket: 57643

**DST#: 5**

ATTN: Wes Hansen

Test Start: 2014.05.07 @ 15:05:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	socm 1o 99m	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:

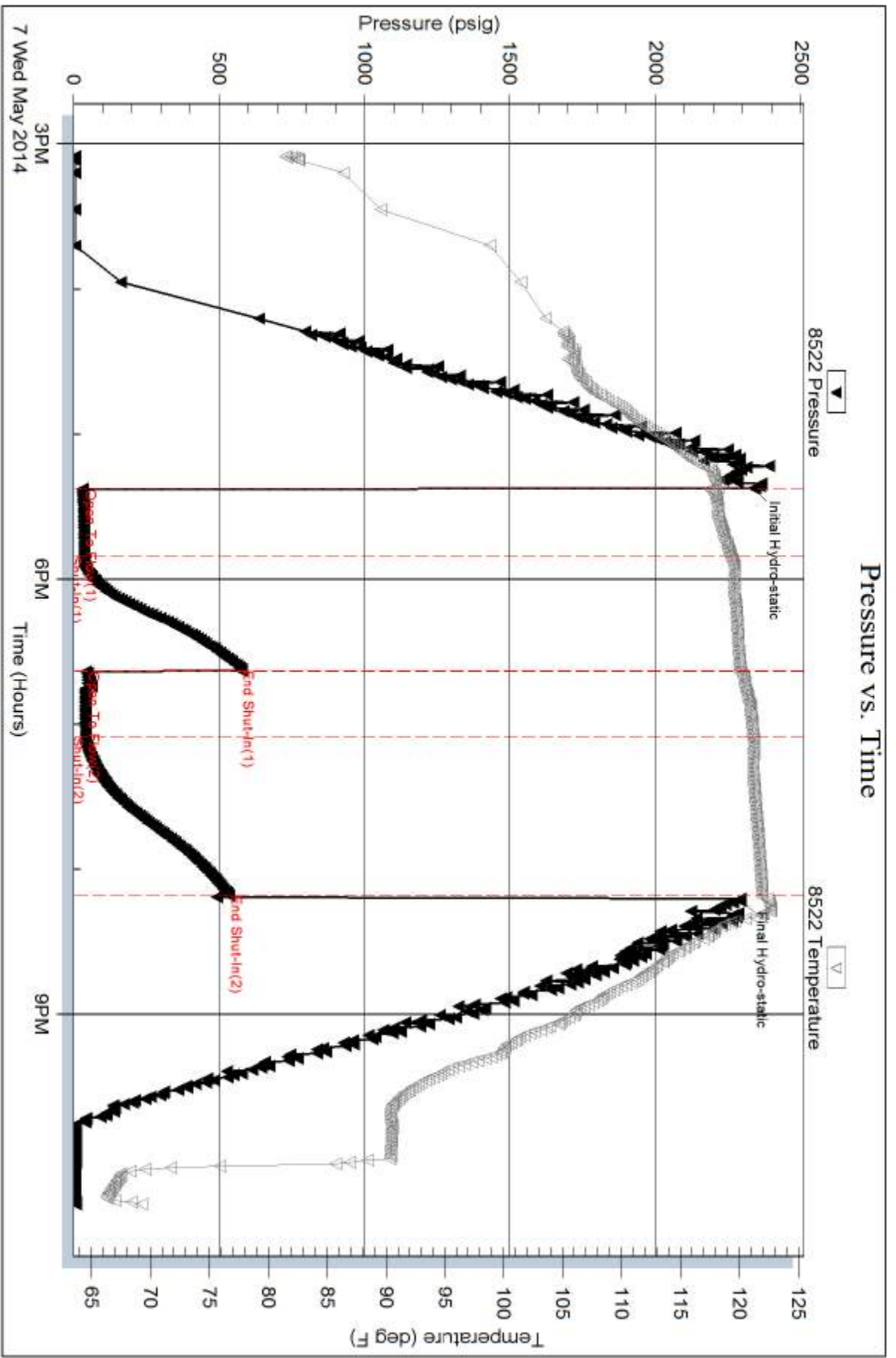
Recovery Comments:

Serial #: 8522

Outside Landmark Resources Inc.

Janzen #1-7

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 57643

Printed: 2014.05.13 @ 09:14:27

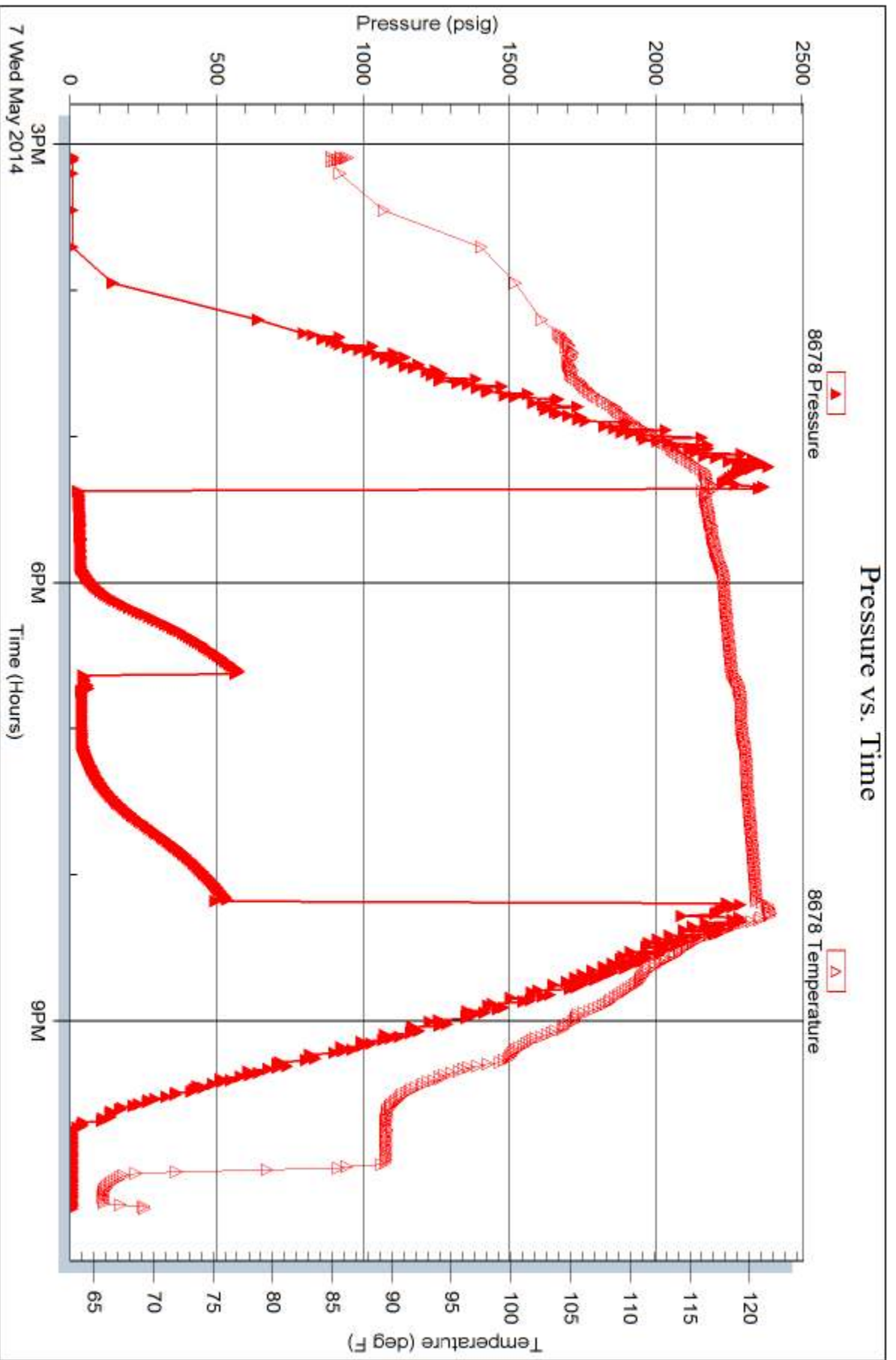
Serial #: 8678

Inside

Landmark Resources Inc.

Janzen #1-7

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 57643

Printed: 2014.05.13 @ 09:14:27



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56525

Well Name & No. Janzen #1-7 Test No. 1 Date 5-3-14  
 Company Landmark Resources Inc. Elevation 3098 KB ~~3087~~ 3087 GL  
 Address 1616 S. Voss Rd. Ste #600 - Houston, Tx 77057  
 Co. Rep / Geo. Wes Hansen Rig Murfin #21  
 Location: Sec. 7 Twp. 17-S Rge. 33-W Co. Scott State Ks

Interval Tested 4202-4232 Zone Tested Lansing "H"  
 Anchor Length 30' 85' Total 4232-4317 Drill Pipe Run 3920 Mud Wt. 9.2  
 Top Packer Depth 4198 Drill Collars Run 275 Vis 54  
 Bottom Packer Depth 4202 Wt. Pipe Run Ø WL 6.8  
 Total Depth 4317 Chlorides 3000 ppm System LCM #2

Blow Description IF: B.o.b. in 5min.  
ISI: B.O. in 2min. - No Return  
FF: B.o.b. in 10min.  
FSI: Bleed off in ~~10~~ 15 min - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>275</u>	<u>G+mcw</u>	<u>5</u>	<u>70</u>	<u>25</u>	<u></u>
<u>630</u>	<u>GW</u>	<u>5</u>	<u>95</u>	<u></u>	<u></u>
<u>441</u>	<u>G+mcw</u>	<u>2</u>	<u>93</u>	<u>5</u>	<u></u>
<u>252</u>	<u>wm</u>	<u></u>	<u>15</u>	<u>85</u>	<u></u>

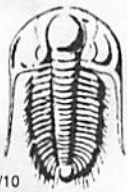
Rec Total 1598 BHT 122 Gravity — API RW 161 @ 67 °F Chlorides 48,000 ppm

(A) Initial Hydrostatic 2099  Test 1250 T-On Location 23:10  
 (B) First Initial Flow 40  Jars 250 T-Started 23:57  
 (C) First Final Flow 377  Safety Joint 75 T-Open 02:43  
 (D) Initial Shut-In 1179  Circ Sub MLC T-Pulled 06:28  
 (E) Second Initial Flow 373  Hourly Standby ~~MLC~~ MLC T-Out 09:15  
 (F) Second Final Flow 747  Mileage 32 R-T 49.60  
 (G) Final Shut-In 1175  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic ~~2090~~ 2090  Straddle 600  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 60  Day Standby \_\_\_\_\_ Total 2224.60  
 Final Shut-In 90  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 2224.60

Approved By Wesley Hansen Our Representative [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. **56526**

4/10

Well Name & No. Janzen #1-7 Test No. 2 Date 5-5-14  
 Company Landmark Resources, Inc. Elevation 3098 KB 3087 GL  
 Address 1616 S. VOSS Rd - Houston TX 77057  
 Co. Rep / Geo. Wes Hansen Rig Murfin #21  
 Location: Sec. 7 Twp. 17-S Rge. 33-W Co. Scott State Ks

Interval Tested 4412 - 4470 Zone Tested Marmaton  
 Anchor Length 58' Drill Pipe Run 4115' Mud Wt. 9.3  
 Top Packer Depth 4408 Drill Collars Run 275.00 Vis 63  
 Bottom Packer Depth 4412 Wt. Pipe Run Ø WL 80  
 Total Depth 4470 Chlorides 4,000 ppm System LCM #2  
 Blow Description IF 1/2 in. Blow - Died in 20 min.

ISF. No Return  
FF. No Blow  
FSI. No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>G + o cm</u>	<u>5</u>	<u>35</u>	<u>60</u>	<u>0</u>
<u>4</u>	<u>G + m co</u>	<u>5</u>	<u>55</u>	<u>40</u>	<u>0</u>
<u>1</u>	<u>CO</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>0</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

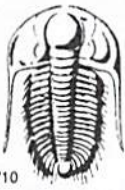
Rec Total 10' BHT 122 Gravity   API RW   @   °F Chlorides   ppm

(A) Initial Hydrostatic 2238  Test 1250 T-On Location ~~01:40~~ 01:40  
 (B) First Initial Flow 39  Jars 250 T-Started 02:11  
 (C) First Final Flow 41  Safety Joint 75 T-Open 4:30  
 (D) Initial Shut-In 1139  Circ Sub N/C T-Pulled 7:15  
 (E) Second Initial Flow 48  Hourly Standby   T-Out 9:16  
 (F) Second Final Flow 56  Mileage 49.60 Comments    
 (G) Final Shut-In 1042  Sampler    
 (H) Final Hydrostatic 2157  Straddle    Ruined Shale Packer    
 Shale Packer    Ruined Packer 6" packer  
 Extra Packer    Extra Copies    
 Extra Recorder   Sub Total 0  
 Day Standby   Total 1624.60  
 Accessibility   MP/DST Disc't  

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 30  
 Final Shut-In 60  
 Sub Total 1624.60

Approved By Wesley Hansen Our Representative Calderone

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. 56527

4/10

Well Name & No. Janzen #1-7 Test No. 3 Date 5-5-14  
 Company Landmark Resources Inc. Elevation 3098 KB 3087 GL  
 Address 1616 S. Voss Rd. - Houston, TX 77057 - Ste #600  
 Co. Rep / Geo. Wes Hanson Rig Murfin #21  
 Location: Sec. 7 Twp. 17-S Rge. 33-W Co. Scott State KS

Interval Tested 4468-4500 Zone Tested Altamont  
 Anchor Length 32' Drill Pipe Run 4180 Mud Wt. 9.3  
 Top Packer Depth 4464 Drill Collars Run 275' Vis 66  
 Bottom Packer Depth 4468 Wt. Pipe Run Ø WL 8.8  
 Total Depth 4500 Chlorides 5000 ppm System LCM #2

Blow Description IF: B.O.B. in 9 mins.  
ISF: Bled off in 3 min. - B.O.B. in 10 mins.  
FF: B.O.B. Immediately  
FSI: Bled off in 3 min. - B.O.B. in 30 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>61</u>	<u>MCGO</u>	<u>15</u>	<u>75</u>	<u>10</u>	<u>0</u>
<u>498</u>	<u>CGO</u>	<u>50</u>	<u>50</u>	<u>0</u>	<u>0</u>
<u>124</u>	<u>CGO</u>	<u>30</u>	<u>70</u>	<u>0</u>	<u>0</u>
	<u>GIP = 2111</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

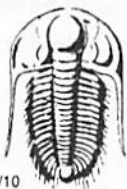
Rec Total 685 BHT 124 Gravity 31 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2301  Test 1250 T-On Location 16:55  
 (B) First Initial Flow 37  Jars 250 T-Started 17:15  
 (C) First Final Flow 139  Safety Joint 75 T-Open 19:26  
 (D) Initial Shut-In 1212  Circ Sub N/C T-Pulled 23:11  
 (E) Second Initial Flow 170  Hourly Standby \_\_\_\_\_ T-Out 02:05  
 (F) Second Final Flow 242  Mileage 49.60 Comments \_\_\_\_\_  
 (G) Final Shut-In 1216  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2193  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 60  
 Final Shut-In 90  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1624.60  
 Total 1624.60  
 MP/DST Disc't \_\_\_\_\_

Approved By Wesley Hanson Our Representative Celinda

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. 56528

Well Name & No. Janzen #1-7 Test No. 4 Date 5-6-14  
 Company Landmark Resources, Inc Elevation 3098 KB 3087 GL  
 Address 1666 S. Voss Rd. Apt #600 - Houston TX 77057  
 Co. Rep / Geo. Wes Hansen Rig Murfin #21  
 Location: Sec. 7 Twp. 17-S Rge. 33-W Co. Scott State Ks

Interval Tested 4552-4600 Zone Tested Myrie Station - Ft. Scott  
 Anchor Length 48' Drill Pipe Run 4272 Mud Wt. 9.3  
 Top Packer Depth 4548 Drill Collars Run 275.00 Vis 58  
 Bottom Packer Depth 4552 Wt. Pipe Run Ø WL 10.0  
 Total Depth 4600 Chlorides 5000 ppm System LCM #1

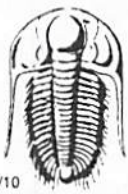
Blow Description IF: Bob. in 4 1/2 min.  
ISI: Bled off in 4 min - 4 in of Blowback - Dried in 21 min.  
FFi: Bob. in 4 1/2 min.  
FSI: Bled off in 4 min - Bob. in 20 min.

Rec	Feet of	%gas	%oil	%water	%mud
	<u>3906 GIP</u>				
	<u>CGO = 252'</u>	<u>30</u>	<u>70</u>		
	<u>245</u>	<u>20</u>	<u>80</u>		
	<u>30</u>	<u>20</u>	<u>70</u>		<u>10</u>
	<u>MC GO</u>				

Rec Total 527 BHT 125 Gravity 33 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2333  Test 1250 T-On Location 17:52  
 (B) First Initial Flow 44  Jars 250 T-Started 18:03  
 (C) First Final Flow 96  Safety Joint 75 T-Open 20:07  
 (D) Initial Shut-In 1232  Circ Sub N/C T-Pulled 23:54  
 (E) Second Initial Flow 146  Hourly Standby — T-Out 02:25  
 (F) Second Final Flow 182  Mileage 49.60 Comments —  
 (G) Final Shut-In 1211  Sampler —  
 (H) Final Hydrostatic 2331  Straddle —  Ruined Shale Packer —  
 Shale Packer —  Ruined Packer 6"  
 Extra Packer —  Extra Copies —  
 Initial Open 30  Extra Recorder — Sub Total 0  
 Initial Shut-In 45  Day Standby — Total 1624.60  
 Final Flow 60  Accessibility — MP/DST Disc't —  
 Final Shut-In 90 Sub Total 1624.60

Approved By Wes Hansen Our Representative C. Anderson  
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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57643

Well Name & No. Janzen 1-7 Test No. 5 Date 5/7/14  
 Company Landmark Resources, Inc Elevation 3098 KB 3087 GL  
 Address 1616 S. Voss Rd Ste 600 Houston, Tx 77057  
 Co. Rep / Geo. Wes Hanson Rig Mortu 21  
 Location: Sec. 7 Twp. 17s Rge. 33w Co. Scott State Ks

Interval Tested 4642 - 4732 Zone Tested Johnson  
 Anchor Length 90' Drill Pipe Run 4364 Mud Wt. 9.2  
 Top Packer Depth 4637 Drill Collars Run 275 Vis 50  
 Bottom Packer Depth 4642 Wt. Pipe Run 0 WL 108  
 Total Depth 4732 Chlorides 7200 ppm System LCM 2#  
 Blow Description IP: Surface blow, died @ 25 min.  
IGI: No return.  
FF: No blow.  
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>50CM</u>		<u>1</u>	<u>99</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 30 BHT 121 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2337</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1430</u>
(B) First Initial Flow <u>32</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1505</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1720</u>
(D) Initial Shut-In <u>575</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>2005</u>
(E) Second Initial Flow <u>43</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2219</u>
(F) Second Final Flow <u>43</u>	<input checked="" type="checkbox"/> Mileage <u>32 RT</u> <u>49.60</u>	Comments
(G) Final Shut-In <u>531</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2293</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>45</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>1624.60</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1624.60</u>	

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

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