



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

1616 S Voss rd ste 600  
Houston, TX 77057

ATTN: Saman Sharifaie

### **Beeson Trust #4-1**

### **1-17s-34w Scott,KS**

Start Date: 2014.03.22 @ 13:47:31

End Date: 2014.03.22 @ 21:48:31

Job Ticket #: 55649                      DST #: 1

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

Printed: 2014.03.27 @ 10:10:46



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55649

**DST#: 1**

ATTN: Saman Sharifaie

Test Start: 2014.03.22 @ 13:47:31

## GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:48:01

Time Test Ended: 21:48:31

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 60

**Interval: 4276.00 ft (KB) To 4300.00 ft (KB) (TVD)**

Reference Elevations: 3115.00 ft (KB)

Total Depth: 4300.00 ft (KB) (TVD)

3105.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press@RunDepth: 225.56 psig @ 4277.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.22

End Date:

2014.03.22

Last Calib.:

2014.03.22

Start Time: 13:47:36

End Time:

21:48:30

Time On Btm:

2014.03.22 @ 15:46:31

Time Off Btm:

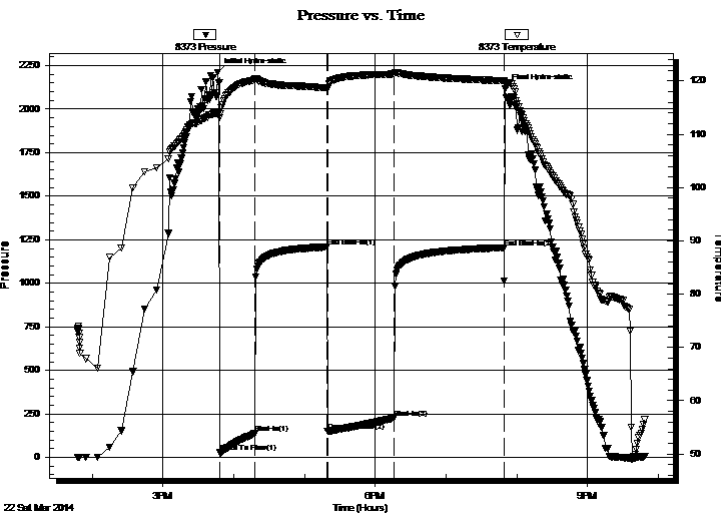
2014.03.22 @ 19:50:31

TEST COMMENT: IF: 1/4" blow built to 9"

IS: No return.

FF: Surface blow BOB in 54 min.

FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2211.27	114.00	Initial Hydro-static
2	26.78	113.11	Open To Flow (1)
31	135.67	120.15	Shut-In(1)
93	1207.47	118.73	End Shut-In(1)
93	148.55	118.59	Open To Flow (2)
150	225.56	121.28	Shut-In(2)
243	1204.64	120.03	End Shut-In(2)
244	2118.56	119.74	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
372.00	water 100%w	2.70
93.00	mcw 90%w 10%m	1.30

## Gas Rates

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



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# DRILL STEM TEST REPORT

Landmark Resources Inc

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55649

**DST#: 1**

ATTN: Saman Sharifaie

Test Start: 2014.03.22 @ 13:47:31

## GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:48:01

Time Test Ended: 21:48:31

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 60

**Interval: 4276.00 ft (KB) To 4300.00 ft (KB) (TVD)**

Reference Elevations: 3115.00 ft (KB)

Total Depth: 4300.00 ft (KB) (TVD)

3105.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8356 Outside**

Press@RunDepth: psig @ 4277.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.22

End Date:

2014.03.22

Last Calib.:

2014.03.22

Start Time: 13:47:08

End Time:

21:48:02

Time On Btm:

Time Off Btm:

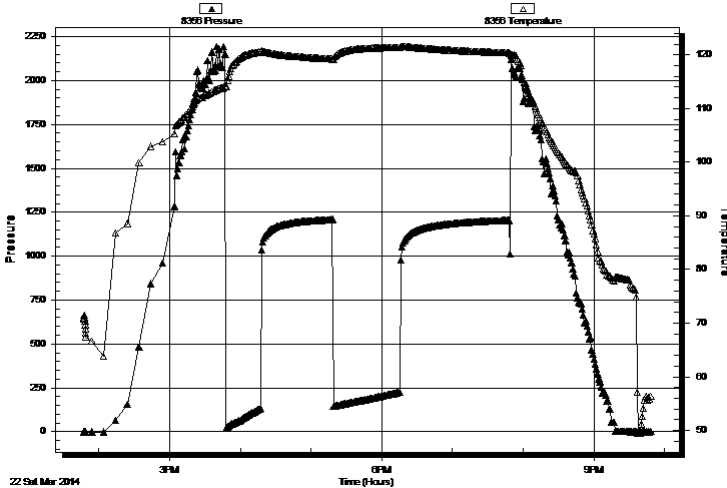
TEST COMMENT: IF: 1/4" blow built to 9"

IS: No return.

FF: Surface blow BOB in 54 min.

FS: No return.

Pressure vs. Time



## PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
372.00	water 100%w	2.70
93.00	mcw 90%w 10%m	1.30

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources Inc

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55649

**DST#: 1**

ATTN: Saman Sharifaie

Test Start: 2014.03.22 @ 13:47:31

## Tool Information

Drill Pipe:	Length: 3987.00 ft	Diameter: 3.80 inches	Volume: 55.93 bbl	Tool Weight: 1500.00 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: 276.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4276.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4257.00	
Shut In Tool	5.00			4262.00	
Hydraulic tool	5.00			4267.00	
Packer	5.00			4272.00	20.00 Bottom Of Top Packer
Packer	4.00			4276.00	
Stubb	1.00			4277.00	
Recorder	0.00	8373	Inside	4277.00	
Recorder	0.00	8356	Outside	4277.00	
Perforations	18.00			4295.00	
Bullnose	5.00			4300.00	24.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>44.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Landmark Resources Inc

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55649

**DST#: 1**

ATTN: Saman Sharifaie

Test Start: 2014.03.22 @ 13:47:31

### 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:

48000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
372.00	water 100%w	2.704
93.00	mcw 90%w 10%m	1.305

Total Length: 465.00 ft      Total Volume: 4.009 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

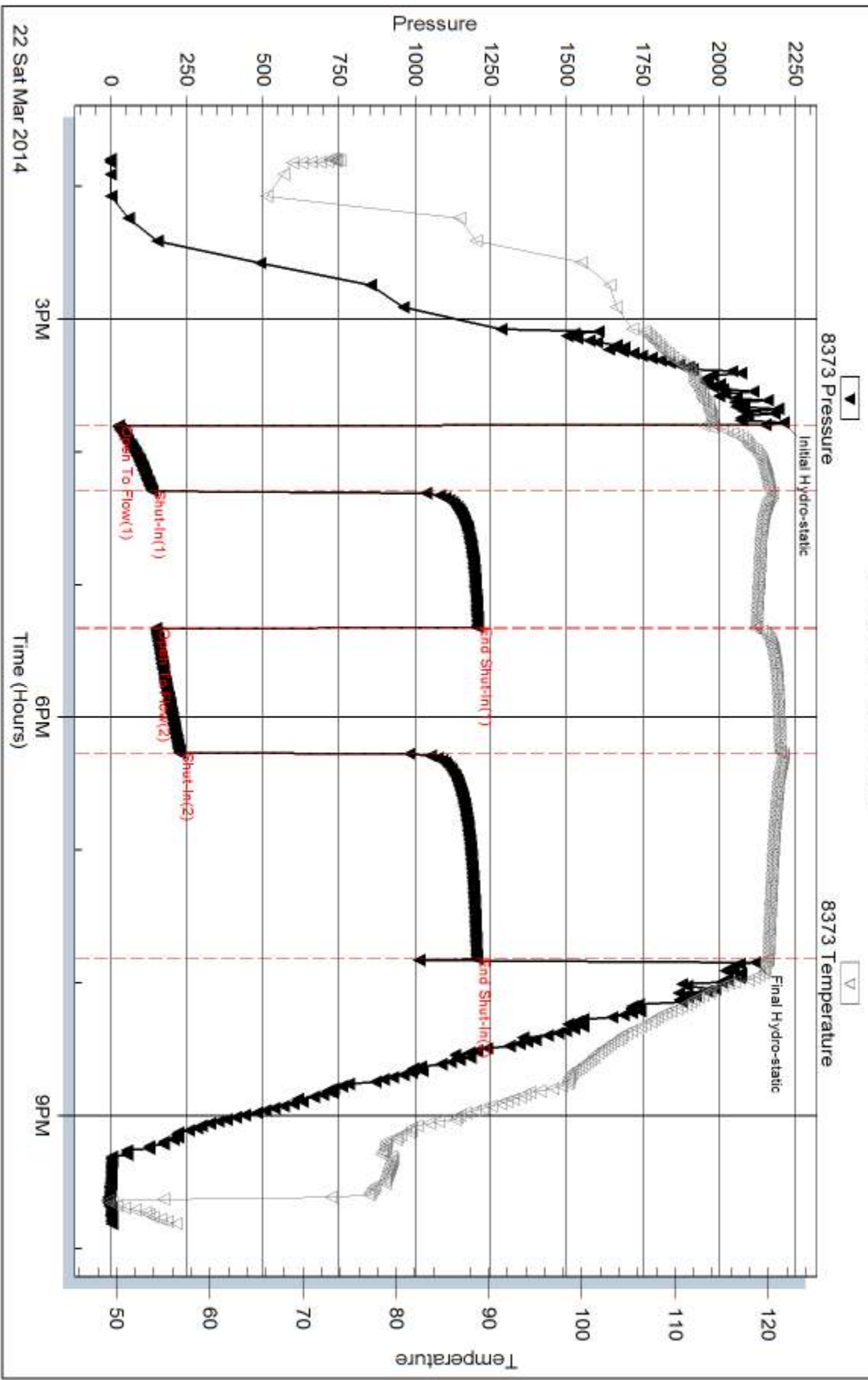
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .35@32=48000

### Pressure vs. Time

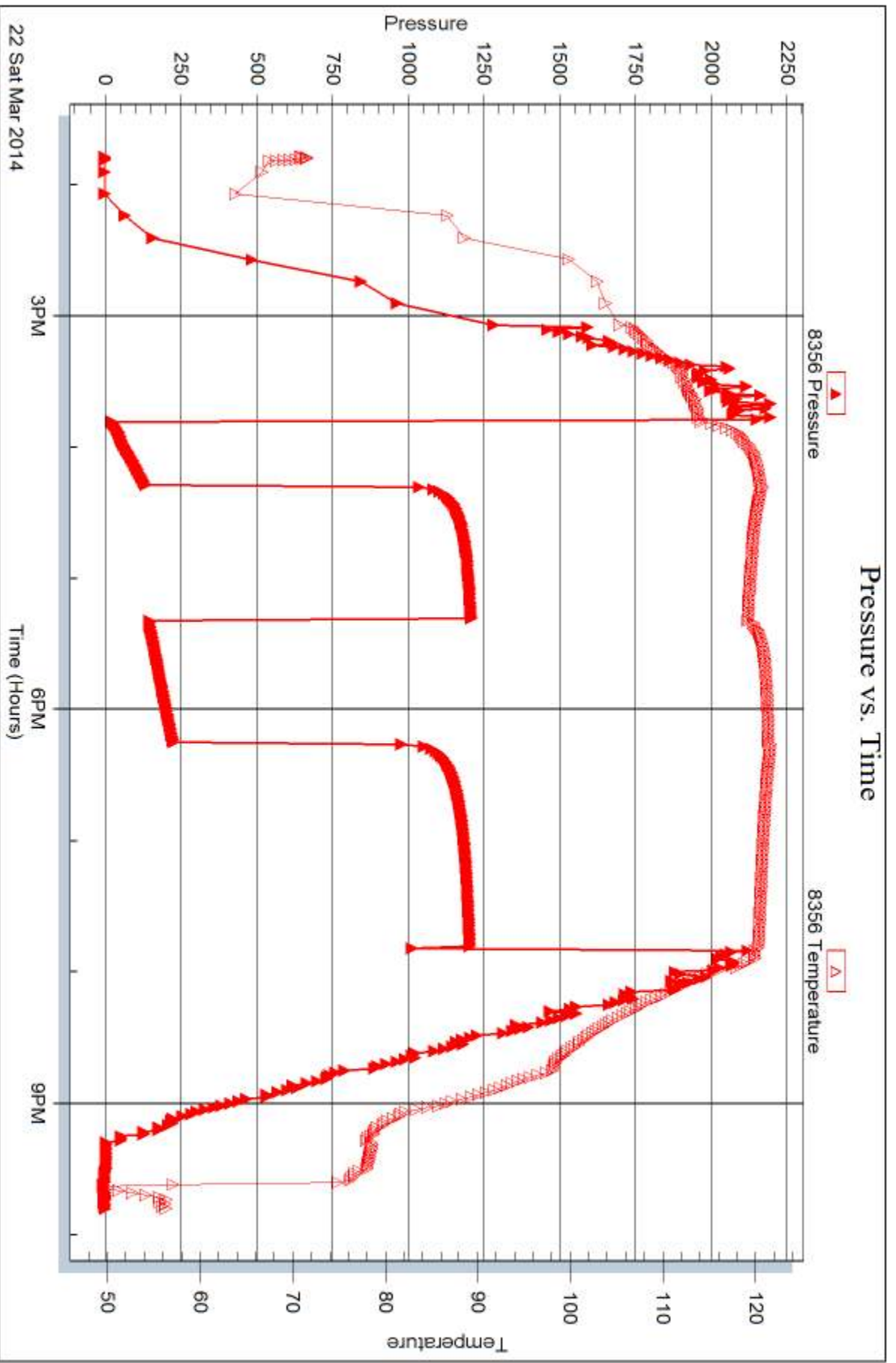


Serial #: 8356

Outside Landmark Resources Inc

Beeson Trust #4-1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 55649

Printed: 2014.03.27 @ 10:10:48



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

1616 S Voss rd ste 600  
Houston, TX 77057

ATTN: Saman Sharifaie

### **Beeson Trust #4-1**

### **1-17s-34w Scott,KS**

Start Date: 2014.03.23 @ 12:59:34

End Date: 2014.03.23 @ 21:04:34

Job Ticket #: 55650                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.03.27 @ 10:10:23





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55650

**DST#: 2**

ATTN: Saman Sharifaie

Test Start: 2014.03.23 @ 12:59:34

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:52:34

Time Test Ended: 21:04:34

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

**Interval: 4425.00 ft (KB) To 4465.00 ft (KB) (TVD)**

Reference Elevations: 3115.00 ft (KB)

Total Depth: 4465.00 ft (KB) (TVD)

3105.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373**

**Inside**

Press@RunDepth: 148.58 psig @ 4426.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.23

End Date:

2014.03.23

Last Calib.:

2014.03.23

Start Time: 12:59:39

End Time:

21:04:33

Time On Btm:

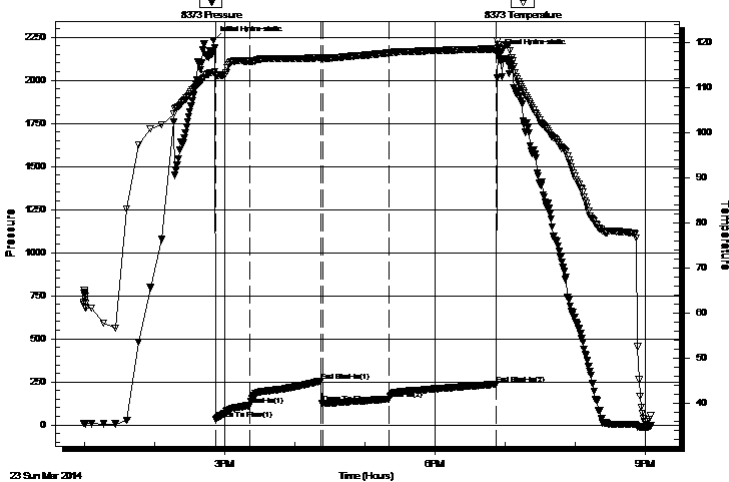
2014.03.23 @ 14:50:34

Time Off Btm:

2014.03.23 @ 18:54:04

**TEST COMMENT:** IF: BOB in 19 min.  
IS: Surface blow built to 1/2" in 60 min.  
FF: 1/4" blow BOB in 33 min.  
FS: Surface blow built to 4" in 90 min.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2231.12	113.38	Initial Hydro-static
2	35.10	112.87	Open To Flow (1)
31	114.41	115.89	Shut-In(1)
92	256.15	116.66	End Shut-In(1)
94	125.79	116.56	Open To Flow (2)
150	148.58	117.74	Shut-In(2)
242	236.56	118.63	End Shut-In(2)
244	2157.08	119.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcgo 40%g 30%o 30%m	0.30
124.00	mcgo 10%g 65%o 25%m	0.61
155.00	mcgo 5%g 75%o 20%m	1.35
0.00	341 GIP	0.00

Gas Rates

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

\* Recovery from multiple tests



# DRILL STEM TEST REPORT

Landmark Resources Inc

1-17s-34w Scott,KS

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

ATTN: Saman Sharifaie

Job Ticket: 55650

**DST#: 2**

Test Start: 2014.03.23 @ 12:59:34

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:52:34

Time Test Ended: 21:04:34

Interval: **4425.00 ft (KB) To 4465.00 ft (KB) (TVD)**

Total Depth: 4465.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

Reference Elevations: 3115.00 ft (KB)

3105.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 8356**

**Outside**

Press@RunDepth: psig @ 4426.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.23

End Date:

2014.03.23

Last Calib.:

2014.03.23

Start Time: 12:59:47

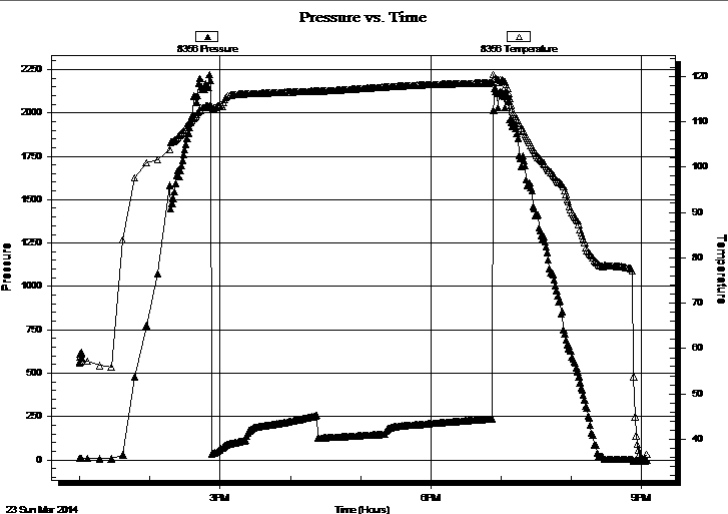
End Time:

21:04:41

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: BOB in 19 min.  
IS: Surface blow built to 1/2" in 60 min.  
FF: 1/4" blow BOB in 33 min.  
FS: Surface blow built to 4" in 90 min.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcgo 40%g 30%o 30%m	0.30
124.00	mcgo 10%g 65%o 25%m	0.61
155.00	mcgo 5%g 75%o 20%m	1.35
0.00	341 GIP	0.00

## 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

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55650

**DST#: 2**

ATTN: Saman Sharifaie

Test Start: 2014.03.23 @ 12:59:34

## Tool Information

Drill Pipe:	Length: 4142.00 ft	Diameter: 3.80 inches	Volume: 58.10 bbl	Tool Weight: 1500.00 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: 276.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 59.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4425.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4406.00	
Shut In Tool	5.00			4411.00	
Hydraulic tool	5.00			4416.00	
Packer	5.00			4421.00	20.00 Bottom Of Top Packer
Packer	4.00			4425.00	
Stubb	1.00			4426.00	
Recorder	0.00	8373	Inside	4426.00	
Recorder	0.00	8356	Outside	4426.00	
Perforations	1.00			4427.00	
Change Over Sub	1.00			4428.00	
Drill Pipe	31.00			4459.00	
Change Over Sub	1.00			4460.00	
Bullnose	5.00			4465.00	40.00 Bottom Packers & Anchor

**Total Tool Length: 60.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Inc

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55650

**DST#: 2**

ATTN: Saman Sharifaie

Test Start: 2014.03.23 @ 12:59:34

## 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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	mcgo 40%g 30%o 30%m	0.305
124.00	mcgo 10%g 65%o 25%m	0.610
155.00	mcgo 5%g 75%o 20%m	1.354
0.00	341 GIP	0.000

Total Length: 341.00 ft

Total Volume: 2.269 bbl

Num Fluid Samples: 0

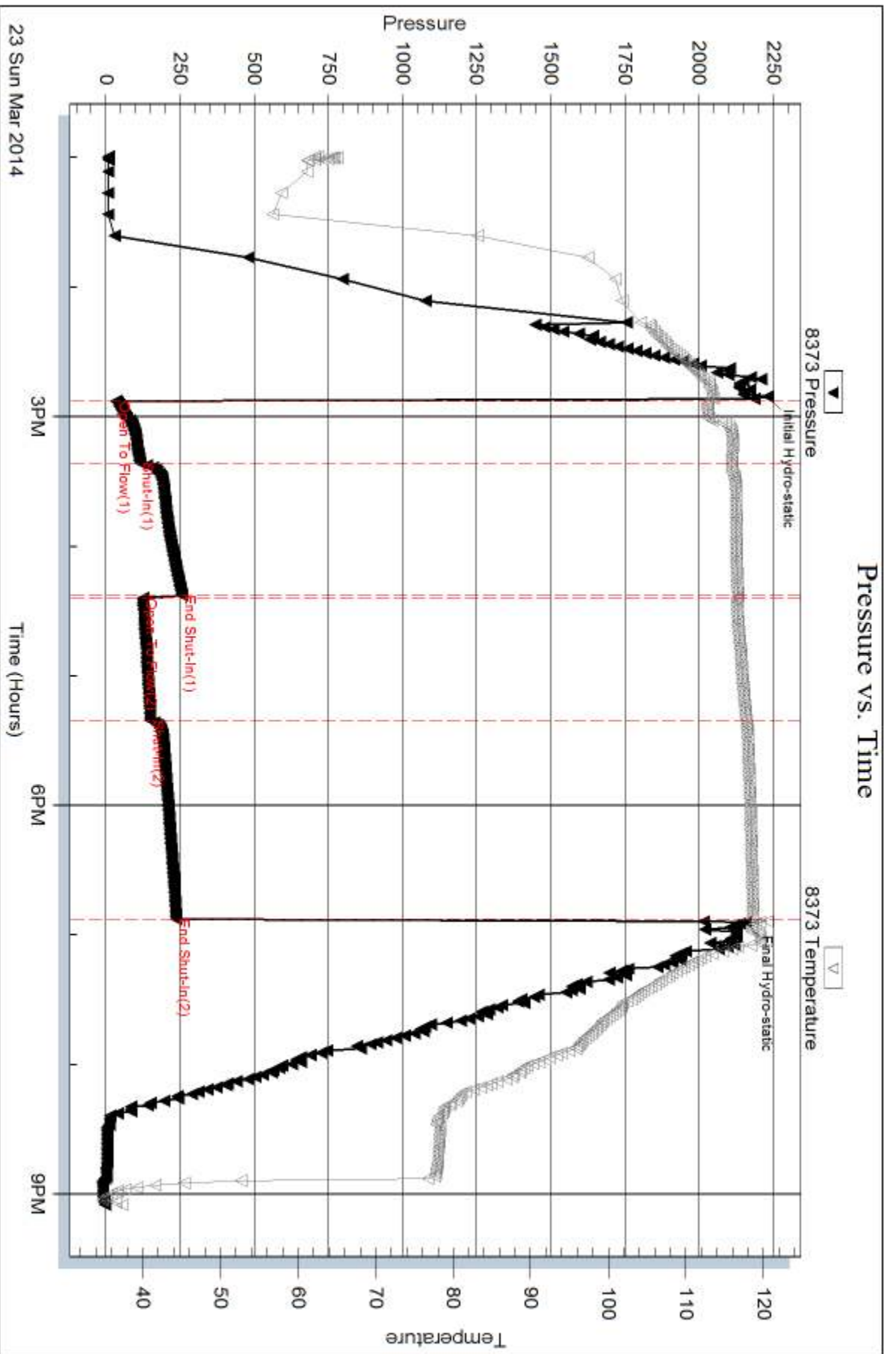
Num Gas Bombs: 0

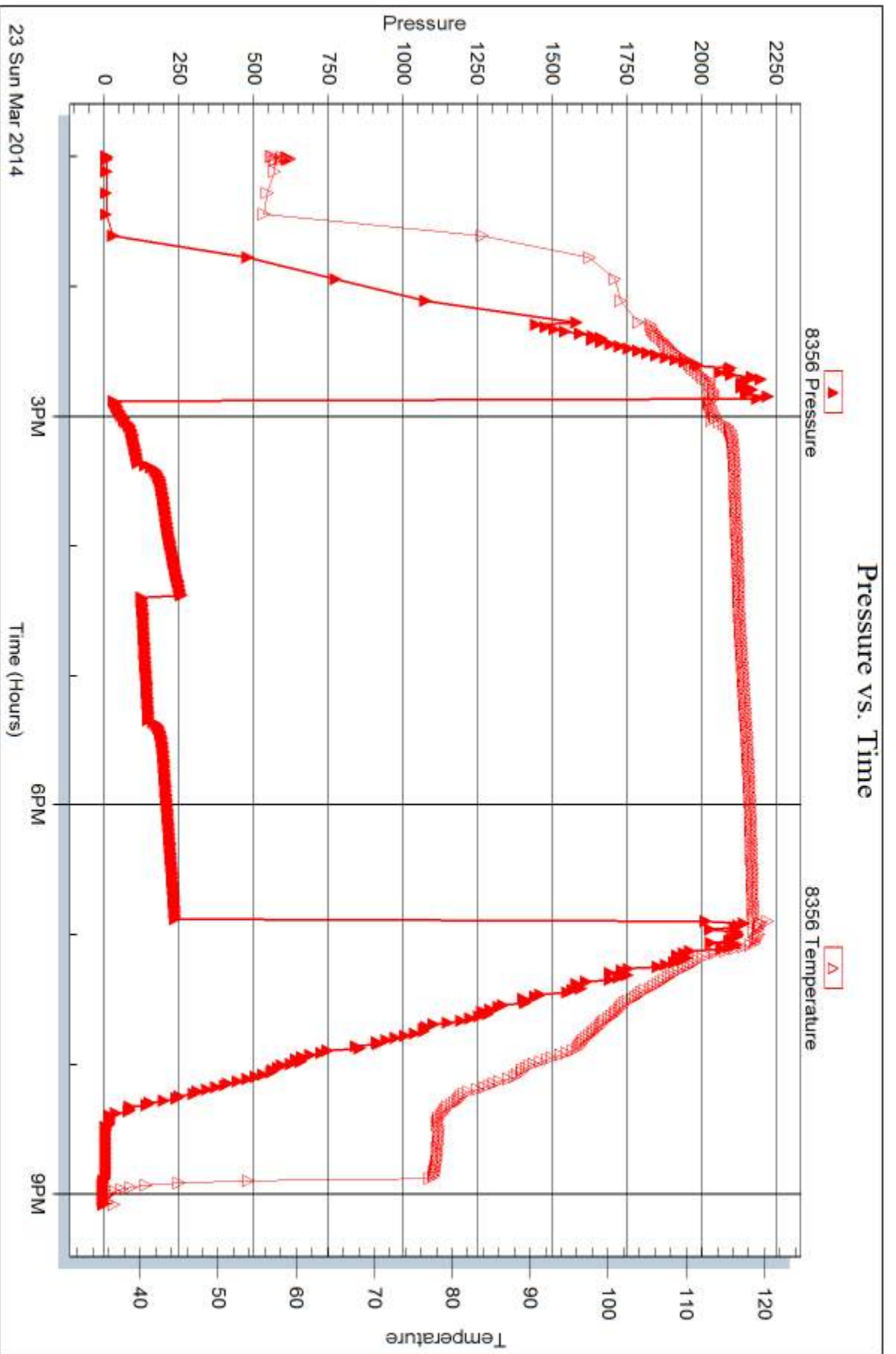
Serial #:

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: Saman Sharifaie

### **Beeson Trust #4-1**

### **1-17s-34w Scott,KS**

Start Date: 2014.03.24 @ 05:04:12

End Date: 2014.03.24 @ 14:35:42

Job Ticket #: 55726                      DST #: 3

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

Printed: 2014.03.27 @ 10:09:58



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55726

**DST#: 3**

ATTN: Saman Sharifaie

Test Start: 2014.03.24 @ 05:04:12

## GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:06:42

Time Test Ended: 14:35:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

**Interval: 4467.00 ft (KB) To 4503.00 ft (KB) (TVD)**

Reference Elevations: 3115.00 ft (KB)

Total Depth: 4503.00 ft (KB) (TVD)

3105.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8373 Inside**

Press@RunDepth: 892.44 psig @ 4468.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.24

End Date:

2014.03.24

Last Calib.:

2014.03.24

Start Time: 05:04:17

End Time:

14:35:42

Time On Btm:

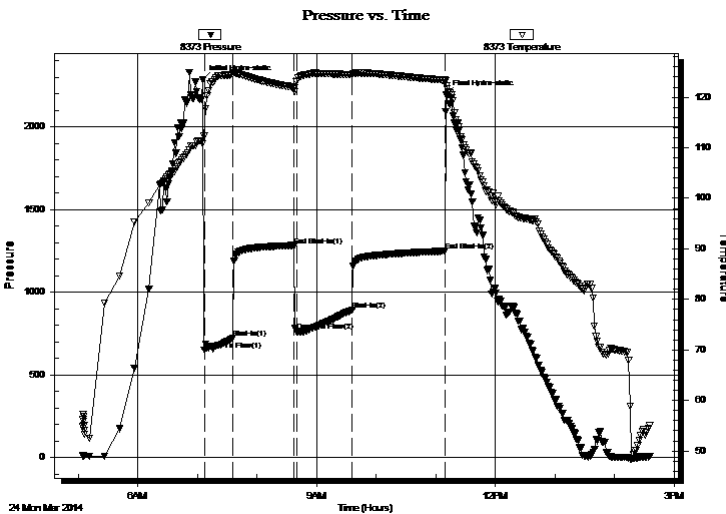
2014.03.24 @ 07:05:12

Time Off Btm:

2014.03.24 @ 11:10:42

**TEST COMMENT:** IF: BOB in 4 min  
IS: No return  
FF: BOB in 7 min  
FS: Surface blow built to 3" died in 60 min.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2285.05	110.77	Initial Hydro-static
2	648.76	112.28	Open To Flow (1)
30	722.53	124.58	Shut-In(1)
92	1283.53	121.98	End Shut-In(1)
95	762.60	123.12	Open To Flow (2)
151	892.44	124.50	Shut-In(2)
244	1248.78	123.39	End Shut-In(2)
246	2194.38	122.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcgo 10%g 80%o 10%m	0.61
372.00	mcgo 20%g 70%o 10%m	3.83
372.00	mcgo 20%g 50%o 30%m	5.22
868.00	mcgo 30%g 50%o 20%m	12.18
372.00	mcgo 10%g 60%o 30%m	5.22
0.00	124 GIP	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

**1-17s-34w Scott, KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55726

**DST#: 3**

ATTN: Saman Sharifaie

Test Start: 2014.03.24 @ 05:04:12

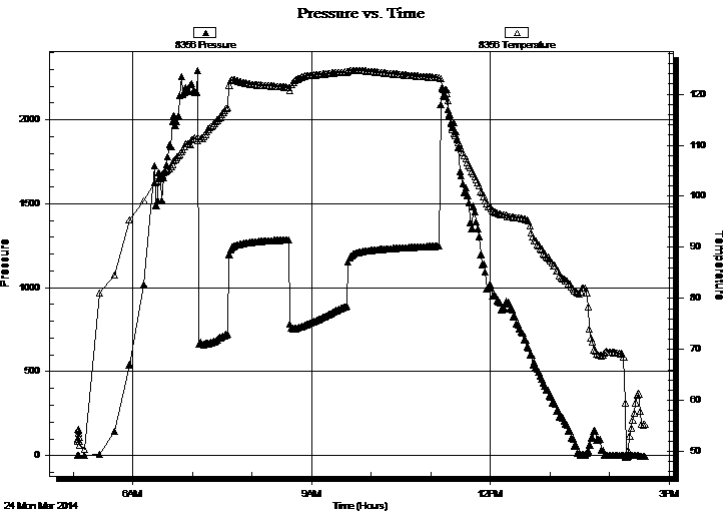
## GENERAL INFORMATION:

Formation: **Altamont**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:06:42  
 Time Test Ended: 14:35:42  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brandon Turley  
 Unit No: 60  
 Interval: **4467.00 ft (KB) To 4503.00 ft (KB) (TVD)**  
 Reference Elevations: 3115.00 ft (KB)  
 Total Depth: 4503.00 ft (KB) (TVD)  
 3105.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 KB to GR/CF: 10.00 ft

## Serial #: 8356 Outside

Press@RunDepth:	psig @	4468.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2014.03.24	End Date:	2014.03.24	Last Calib.:
Start Time:	05:04:19	End Time:	14:35:44	Time On Btm:
				Time Off Btm:

**TEST COMMENT:**  
 IF: BOB in 4 min  
 IS: No return  
 FF: BOB in 7 min  
 FS: Surface blow built to 3" died in 60 min.



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcgo 10%g 80%o 10%m	0.61
372.00	mcgo 20%g 70%o 10%m	3.83
372.00	mcgo 20%g 50%o 30%m	5.22
868.00	mcgo 30%g 50%o 20%m	12.18
372.00	mcgo 10%g 60%o 30%m	5.22
0.00	124 GIP	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

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55726

**DST#: 3**

ATTN: Saman Sharifaie

Test Start: 2014.03.24 @ 05:04:12

## Tool Information

Drill Pipe:	Length: 4176.00 ft	Diameter: 3.80 inches	Volume: 58.58 bbl	Tool Weight: 1500.00 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: 276.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 59.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4467.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Stubb	1.00			4448.00	
Shut In Tool	5.00			4453.00	
Hydraulic tool	5.00			4458.00	
Packer	5.00			4463.00	20.00 Bottom Of Top Packer
Packer	4.00			4467.00	
Stubb	1.00			4468.00	
Recorder	0.00	8373	Inside	4468.00	
Recorder	0.00	8356	Outside	4468.00	
Perforations	30.00			4498.00	
Bullnose	5.00			4503.00	36.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>56.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Inc

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55726

**DST#: 3**

ATTN: Saman Sharifaie

Test Start: 2014.03.24 @ 05:04:12

## 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: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	mcgo 10%g 80%o 10%m	0.610
372.00	mcgo 20%g 70%o 10%m	3.834
372.00	mcgo 20%g 50%o 30%m	5.218
868.00	mcgo 30%g 50%o 20%m	12.176
372.00	mcgo 10%g 60%o 30%m	5.218
0.00	124 GIP	0.000

Total Length: 2108.00 ft

Total Volume: 27.056 bbl

Num Fluid Samples: 0

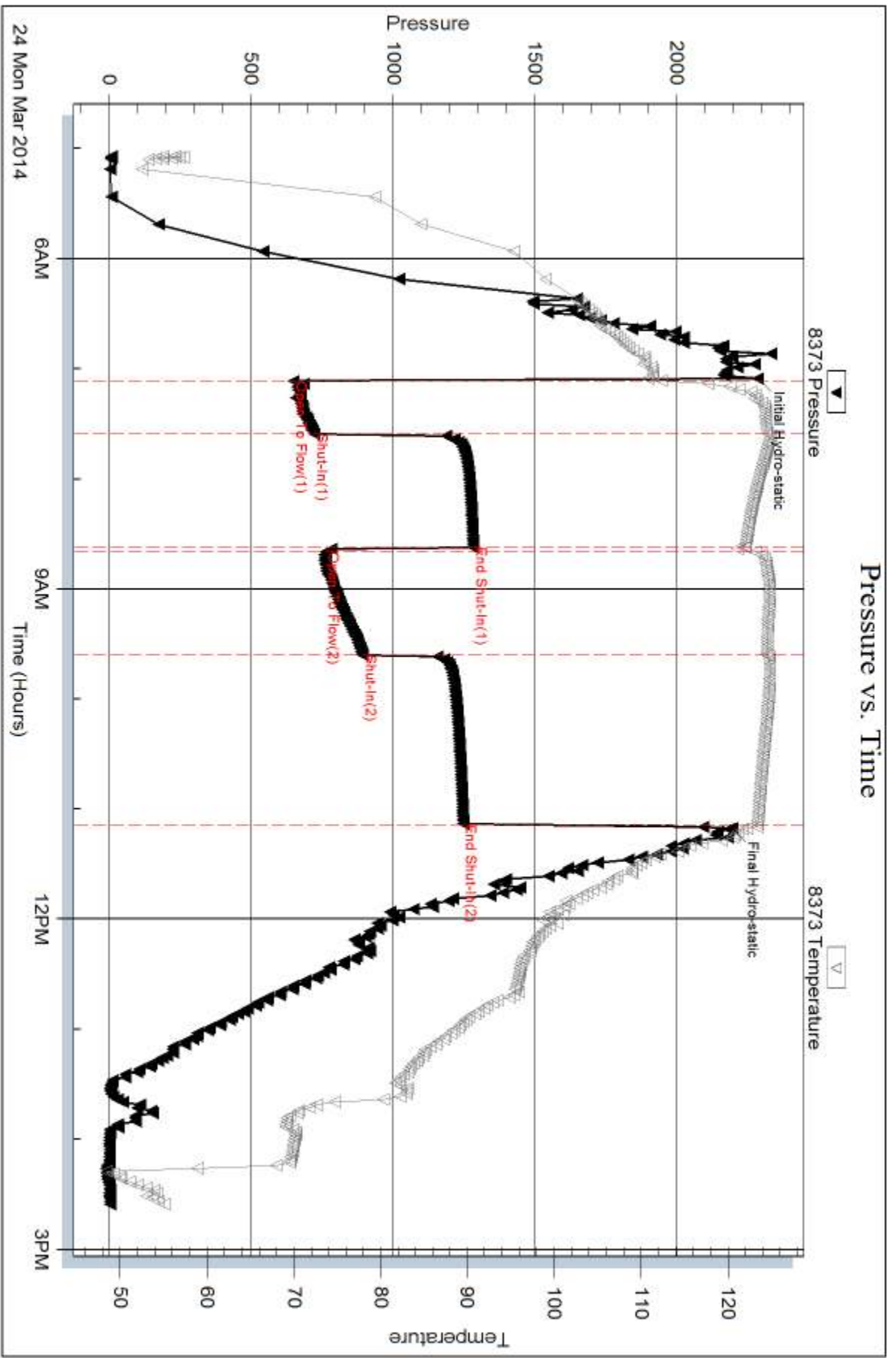
Num Gas Bombs: 0

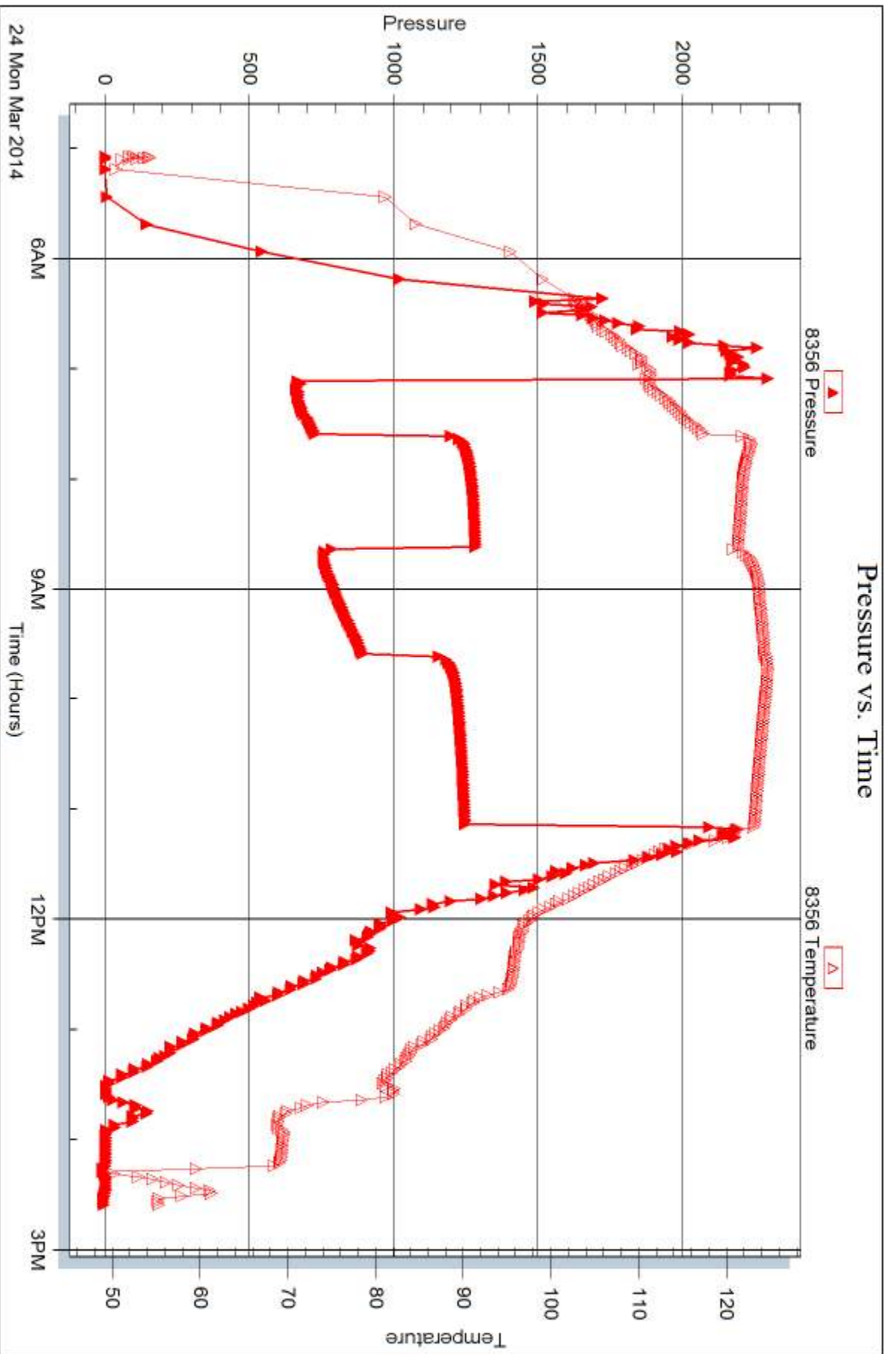
Serial #:

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: Saman Sharifaie

### **Beeson Trust #4-1**

### **1-17s-34w Scott,KS**

Start Date: 2014.03.25 @ 07:25:55

End Date: 2014.03.25 @ 15:32:55

Job Ticket #: 55727                      DST #: 4

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

Printed: 2014.03.27 @ 10:09:12

Landmark Resources Inc

1-17s-34w Scott,KS

Beeson Trust #4-1

DST # 4

Pawnee-Cherokee

2014.03.25



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc  
 1616 S Voss rd ste 600  
 Houston, TX 77057  
 ATTN: Saman Sharifaie

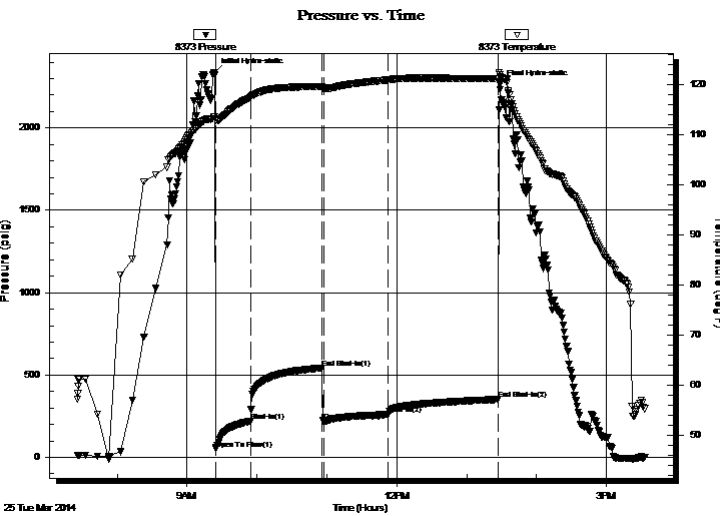
**1-17s-34w Scott,KS**  
**Beeson Trust #4-1**  
 Job Ticket: 55727 **DST#: 4**  
 Test Start: 2014.03.25 @ 07:25:55

## GENERAL INFORMATION:

Formation: **Pawnee-Cherokee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:24:25  
 Time Test Ended: 15:32:55  
 Interval: **4525.00 ft (KB) To 4630.00 ft (KB) (TVD)**  
 Total Depth: 4630.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brandon Turley  
 Unit No: 60  
 Reference Elevations: 3115.00 ft (KB)  
 3105.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8373** **Inside**  
 Press@RunDepth: 260.70 psig @ 4526.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.03.25 End Date: 2014.03.25 Last Calib.: 2014.03.25  
 Start Time: 07:26:00 End Time: 15:32:54 Time On Btm: 2014.03.25 @ 09:23:25  
 Time Off Btm: 2014.03.25 @ 13:28:25

TEST COMMENT: IF: BOB in 5 min.  
 IS: No return.  
 FF: Surface blow built to 6"  
 FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2337.55	113.63	Initial Hydro-static
1	51.83	112.92	Open To Flow (1)
31	220.05	117.48	Shut-In(1)
93	542.83	119.68	End Shut-In(1)
94	220.39	119.27	Open To Flow (2)
150	260.70	120.99	Shut-In(2)
244	351.81	121.22	End Shut-In(2)
245	2265.94	121.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
310.00	water 100%w	1.83
196.00	mcw 90%w 10%m	2.75

\* Recovery from multiple tests

## Gas Rates

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55727

**DST#: 4**

ATTN: Saman Sharifaie

Test Start: 2014.03.25 @ 07:25:55

## GENERAL INFORMATION:

Formation: **Pawnee-Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:24:25

Time Test Ended: 15:32:55

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 60

**Interval: 4525.00 ft (KB) To 4630.00 ft (KB) (TVD)**

Reference Elevations: 3115.00 ft (KB)

Total Depth: 4630.00 ft (KB) (TVD)

3105.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8356**

**Outside**

Press@RunDepth: psig @ 4526.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.03.25

End Date:

2014.03.25

Last Calib.:

2014.03.25

Start Time: 07:25:58

End Time:

15:32:52

Time On Btm:

Time Off Btm:

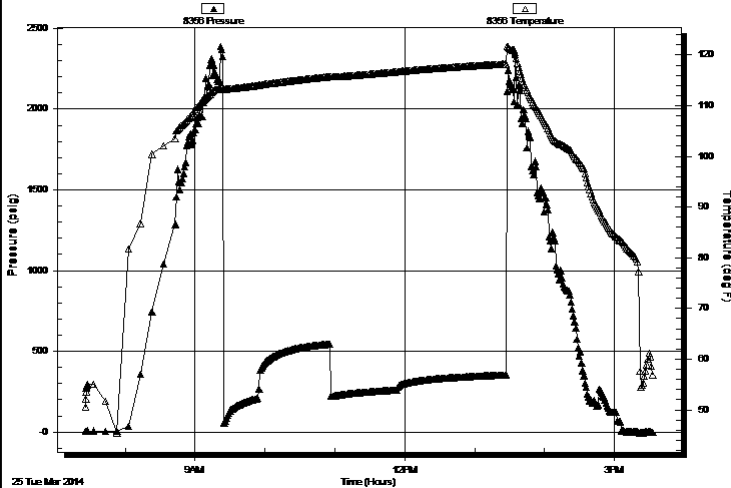
TEST COMMENT: IF: BOB in 5 min.

IS: No return.

FF: Surface blow built to 6"

FS: No return.

Pressure vs. Time



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
310.00	water 100%w	1.83
196.00	mcw 90%w 10%m	2.75

\* 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

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55727

**DST#: 4**

ATTN: Saman Sharifaie

Test Start: 2014.03.25 @ 07:25:55

## Tool Information

Drill Pipe:	Length: 4237.00 ft	Diameter: 3.80 inches	Volume: 59.43 bbl	Tool Weight: 1500.00 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: 276.00 ft	Diameter: 2.25 inches	Volume: 1.36 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 60.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4525.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	105.00 ft			
Tool Length:	125.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4506.00	
Shut In Tool	5.00			4511.00	
Hydraulic tool	5.00			4516.00	
Packer	5.00			4521.00	20.00 Bottom Of Top Packer
Packer	4.00			4525.00	
Stubb	1.00			4526.00	
Recorder	0.00	8373	Inside	4526.00	
Recorder	0.00	8356	Outside	4526.00	
Perforations	3.00			4529.00	
Change Over Sub	1.00			4530.00	
Drill Pipe	94.00			4624.00	
Change Over Sub	1.00			4625.00	
Bullnose	5.00			4630.00	105.00 Bottom Packers & Anchor

**Total Tool Length: 125.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Landmark Resources Inc

**1-17s-34w Scott,KS**

1616 S Voss rd ste 600  
Houston, TX 77057

**Beeson Trust #4-1**

Job Ticket: 55727

**DST#: 4**

ATTN: Saman Sharifaie

Test Start: 2014.03.25 @ 07:25:55

### 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:

34000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 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
310.00	water 100%w	1.834
196.00	mcw 90%w 10%m	2.749

Total Length: 506.00 ft      Total Volume: 4.583 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

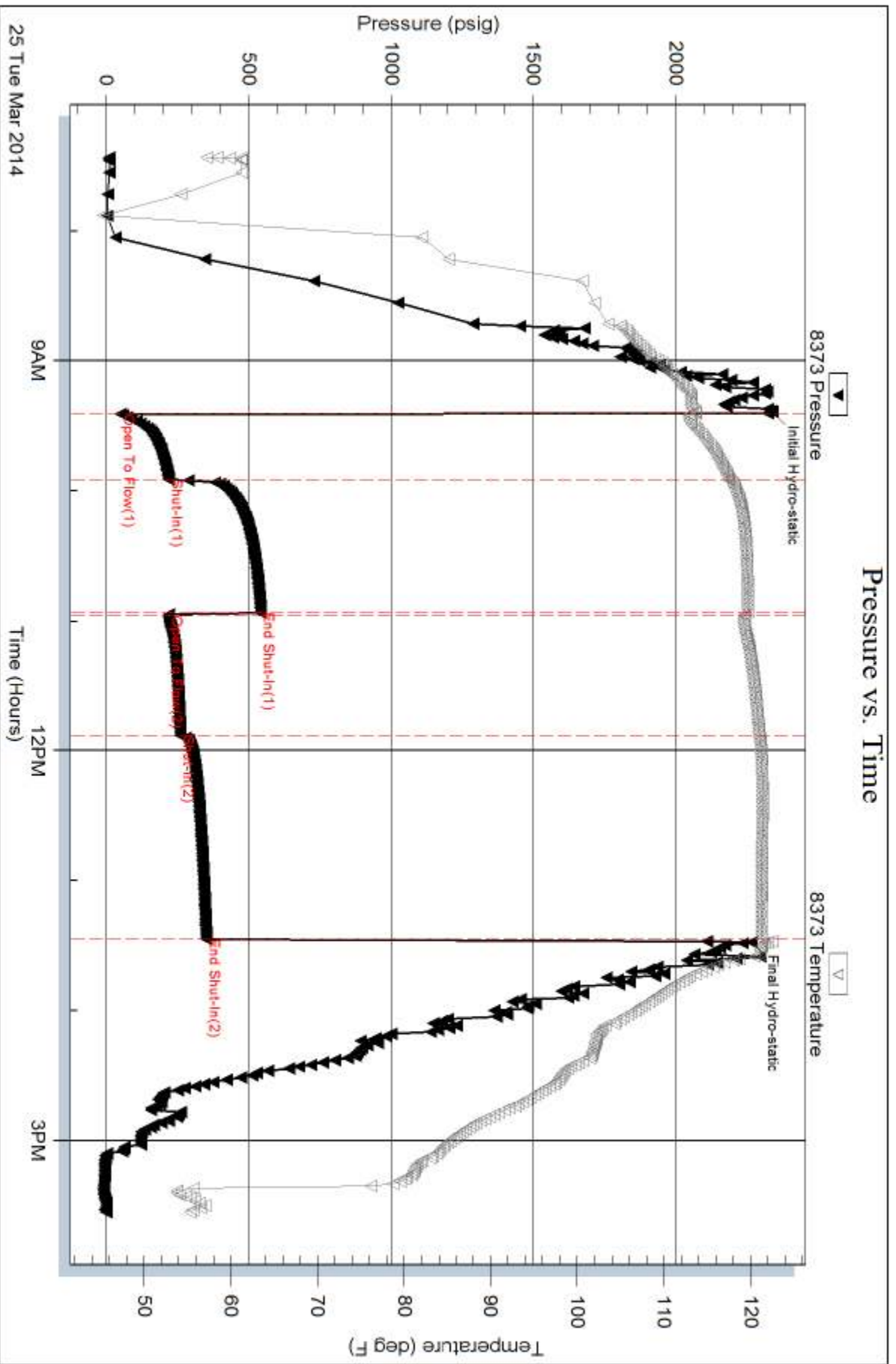
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .25@59=34000

# Pressure vs. Time

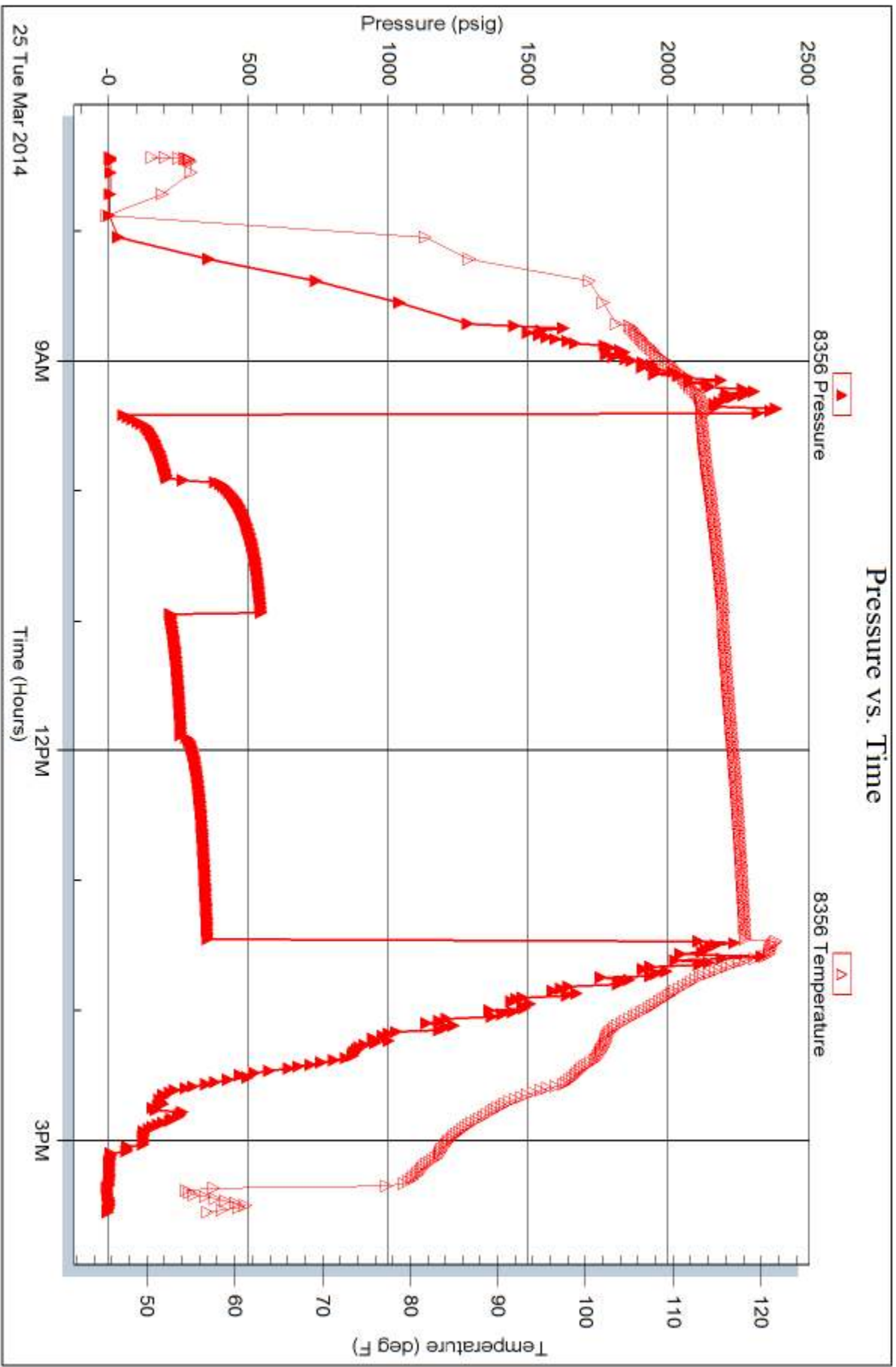


Serial #: 8356

Outside Landmark Resources Inc

Beeson Trust #4-1

DST Test Number: 4





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55649

Well Name & No. Beeson Trust #4-1 Test No. 1 Date 3-22-14  
 Company Landmark Resources Inc Elevation 3115 KB 3105 GL  
 Address 1616 S 0055 Rd Ste 606 Houston TX 77057  
 Co. Rep / Geo. Sammy Shariffie Rig Murfin 21  
 Location: Sec. 1 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4276 4300 Zone Tested LKJ  
 Anchor Length 24 Drill Pipe Run 3987 Mud Wt. 9.4  
 Top Packer Depth 4271 Drill Collars Run 276 Vis 56  
 Bottom Packer Depth 4276 Wt. Pipe Run --- WL 8.0  
 Total Depth 4300 Chlorides 5500 ppm System LCM 2

Blow Description IF: 1/4 blow built to 9,  
IS: No return,  
FF: surface blow BoB in 54 min.  
ES: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>93</u>	<u>mcw</u>		<u>90</u>	<u>10</u>	
<u>372</u>	<u>water</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 Total 465 BHT 120 Gravity --- API RW 135 @ 32 °F Chlorides 48,000 ppm

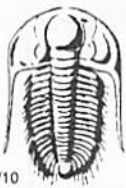
(A) Initial Hydrostatic 2211  Test 1250 T-On Location 12:30  
 (B) First Initial Flow 26  Jars T-Started 13:47  
 (C) First Final Flow 135  Safety Joint T-Open 15:48  
 (D) Initial Shut-In 1207  Circ Sub NIL T-Pulled 19:48  
 (E) Second Initial Flow 148  Hourly Standby T-Out 2:45  
 (F) Second Final Flow 225  Mileage 34- 52.70  
 (G) Final Shut-In 1204  Sampler  
 (H) Final Hydrostatic 2118  Straddle  Ruined Shale Packer

Initial Open 30  Shale Packer  Ruined Packer  
 Initial Shut-In 60  Extra Packer  Extra Copies  
 Final Flow 60  Extra Recorder Sub Total 0  
 Final Shut-In 90  Day Standby Total 1302.70  
 Accessibility MP/DST Disc't  
 Sub Total 1302.70

Approved By \_\_\_\_\_

Our Representative 

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. 55650

Well Name & No. Beeson Trust 4-1 Test No. 2 Date 3-23-14  
 Company Lindmark Resources Elevation 3115 KB 3105 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Saman Sharifgic Rig Murfin 21  
 Location: Sec. 1 Twp. 175 Rge. 34 W Co. Scott State KS

Interval Tested 4425 4465 Zone Tested Marmaton  
 Anchor Length 40 Drill Pipe Run 4142 Mud Wt. 9.3  
 Top Packer Depth 4420 Drill Collars Run 276 Vis 60  
 Bottom Packer Depth 4425 Wt. Pipe Run — WL 8.8  
 Total Depth 4465 Chlorides 7000 ppm System LCM 2

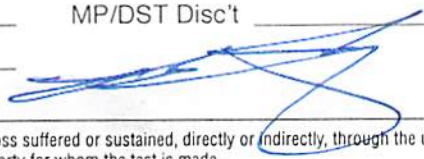
Blow Description IF: BoB in 19 min.  
IS: Surface blow built to 1/2 in 60 min.  
EF: 1/4 blow BoB in 33 min.  
FS: Surface blow built to 4 in 90 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>155</u>	<u>MC90</u>	<u>5</u>	<u>75</u>	<u>20</u>	<u>—</u>
<u>124</u>	<u>MC90</u>	<u>10</u>	<u>65</u>	<u>25</u>	<u>—</u>
<u>62</u>	<u>MC90</u>	<u>48</u>	<u>30</u>	<u>30</u>	<u>—</u>
Rec	Feet of <u>341 GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

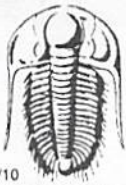
Rec Total 341 BHT 118 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2231  Test 1250 T-On Location 12:05  
 (B) First Initial Flow 35  Jars \_\_\_\_\_ T-Started 12:59  
 (C) First Final Flow 114  Safety Joint \_\_\_\_\_ T-Open 14:30  
 (D) Initial Shut-In 256  Circ Sub N/C T-Pulled 18:50  
 (E) Second Initial Flow 125  Hourly Standby \_\_\_\_\_ T-Out 21:00  
 (F) Second Final Flow 148  Mileage 34- 52.70 Comments \_\_\_\_\_  
 (G) Final Shut-In 236  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2157  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Shut-In 90  Day Standby \_\_\_\_\_ Total 1302.70  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1302.70

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

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. 55726

4/10

Well Name & No. Beeson Trust 4-1 Test No. 3 Date 3-24-14  
 Company Landmark Resources Elevation 3115 KB 3105 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Samm Sharifagic Rig Murfin 21  
 Location: Sec. 1 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4467 4503 Zone Tested Altamont  
 Anchor Length \_\_\_\_\_ Drill Pipe Run 4176 Mud Wt. 9.3  
 Top Packer Depth 4462 Drill Collars Run 276 Vis 52  
 Bottom Packer Depth 4467 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4503 Chlorides 4500 ppm System LCM 2  
 Blow Description FF! BOB in 4.  
FS! No return.  
FF! BOB in 7.  
FS! surface blow built to 3 died in 60 min.

Rec	Feet of		%gas	%oil	%water	%mud
<u>372</u>	<u>mc90</u>	<u>10</u>	<u>60</u>		<u>30</u>	
<u>868</u>	<u>mc90</u>	<u>30</u>	<u>50</u>		<u>20</u>	
<u>372</u>	<u>mc90</u>	<u>20</u>	<u>50</u>		<u>30</u>	
<u>372</u>	<u>mc90</u>	<u>20</u>	<u>70</u>		<u>10</u>	
<u>124</u>	<u>mc90</u>	<u>10</u>	<u>80</u>		<u>10</u>	

Rec Total 2108 BHT 124 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm  
 (A) Initial Hydrostatic 2285  Test 1250 T-On Location 4:45  
 (B) First Initial Flow 648  Jars \_\_\_\_\_ T-Started 5:04  
 (C) First Final Flow 722  Safety Joint \_\_\_\_\_ T-Open 7:05  
 (D) Initial Shut-In 1283  Circ Sub NIL T-Pulled 11:05  
 (E) Second Initial Flow 762  Hourly Standby \_\_\_\_\_ T-Out 14:33  
 (F) Second Final Flow 892  Mileage 34 52.70 Comments \_\_\_\_\_  
 (G) Final Shut-In 1248  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2194  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Initial Open 30  Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer 320  
 Initial Shut-In 60  Extra Copies \_\_\_\_\_  
 Final Flow 60 Sub Total 0  
 Final Shut-In 90 Total 1622.70  
 Sub Total 1302.70 MP/DST Disc't \_\_\_\_\_

Approved By [Signature] 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. 55727

Well Name & No. Beason Trust 4-1 Test No. 4 Date 3-25-14  
 Company Landmark Resources Elevation 3115 KB 3105 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. SMITH Sharifia Rig Murfin 21  
 Location: Sec. 1 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4525 4630 Zone Tested Pawnee - Cherokee  
 Anchor Length 105 Drill Pipe Run 4237 Mud Wt. 9.4  
 Top Packer Depth 4520 Drill Collars Run 276 Vis 60  
 Bottom Packer Depth 4525 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4630 Chlorides 7200 ppm System LCM 2

Blow Description IF: Bob in 5 min.  
IS: No return.  
IF: Surface blow built to 6.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>196</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	
<u>310</u>	<u>water</u>		<u>100</u>		

Rec Total 506 BHT 121 Gravity \_\_\_\_\_ API RW .25 @ 59 °F Chlorides 34,000 ppm

(A) Initial Hydrostatic 2337  Test 1250 T-On Location 6:30  
 (B) First Initial Flow 51  Jars \_\_\_\_\_ T-Started 7:25  
 (C) First Final Flow 220  Safety Joint \_\_\_\_\_ T-Open 9:22  
 (D) Initial Shut-In 542  Circ Sub NIL T-Pulled 13:22  
 (E) Second Initial Flow 220  Hourly Standby \_\_\_\_\_ T-Out 15:30  
 (F) Second Final Flow 260  Mileage 34 - 52.70 Comments \_\_\_\_\_  
 (G) Final Shut-In 351  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2265  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 60  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 60  Day Standby \_\_\_\_\_ Total 1302.70  
 Final Shut-In 90  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1302.70

Approved By [Signature] Our Representative [Signature]

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