



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

ATTN: Terry McLeoud

### **Beeson A Unit #1-1**

### **1-17s-32w Scott,KS**

Start Date: 2014.04.24 @ 05:51:07

End Date: 2014.04.24 @ 13:30:52

Job Ticket #: 56338                      DST #: 1

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

Printed: 2014.05.02 @ 09:57:17



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc

**1-17s-32w Scott,KS**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

**Beeson A Unit #1-1**

Job Ticket: 56338

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2014.04.24 @ 05:51:07

## GENERAL INFORMATION:

Formation: **Marmaton A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:01:52

Time Test Ended: 13:30:52

Test Type: Conventional Bottom Hole (Initial)

Tester: Shane McBride

Unit No: 55

**Interval: 4417.00 ft (KB) To 4465.00 ft (KB) (TVD)**

Reference Elevations: 3111.00 ft (KB)

Total Depth: 4465.00 ft (KB) (TVD)

3100.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 6771 Inside**

Press@RunDepth: 23.34 psig @ 4418.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.24

End Date:

2014.04.24

Last Calib.:

2014.04.24

Start Time:

05:51:07

End Time:

13:25:52

Time On Btm:

2014.04.24 @ 08:01:37

Time Off Btm:

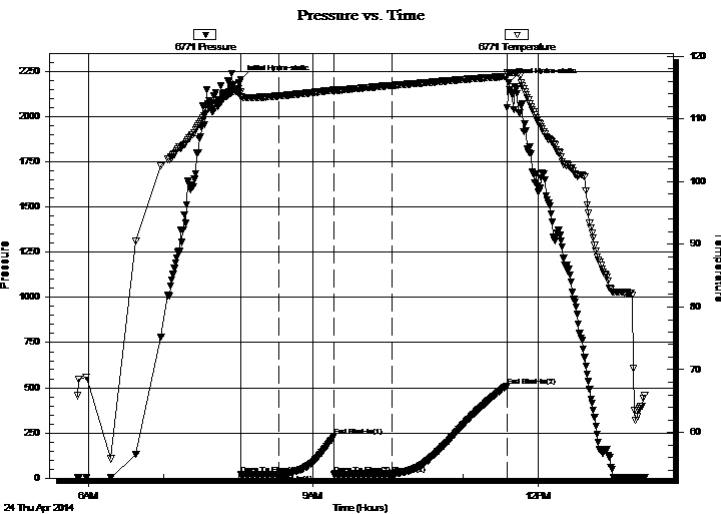
2014.04.24 @ 11:36:37

TEST COMMENT: Weak blow died in 9 min

No return

No blow

No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2206.12	114.28	Initial Hydro-static
1	20.70	113.56	Open To Flow (1)
31	22.48	113.66	Shut-In(1)
75	229.59	114.61	End Shut-In(1)
76	21.82	114.49	Open To Flow (2)
122	23.34	115.33	Shut-In(2)
214	510.09	116.79	End Shut-In(2)
215	2187.55	117.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% oil spots in tool	0.02

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Landmark Resources Inc

**1-17s-32w Scott,KS**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

**Beeson A Unit #1-1**

Job Ticket: 56338

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2014.04.24 @ 05:51:07

## 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: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 59.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	4417.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	48.00 ft			
Tool Length:	71.00 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			4395.00	
Shut In Tool	5.00			4400.00	
Hydraulic tool	5.00			4405.00	
Safety Joint	3.00			4408.00	
Packer	5.00			4413.00	23.00 Bottom Of Top Packer
Packer	4.00			4417.00	
Stubb	1.00			4418.00	
Recorder	0.00	6771	Inside	4418.00	
Recorder	0.00	8844	Outside	4418.00	
Perforations	9.00			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	48.00 Bottom Packers & Anchor

**Total Tool Length: 71.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Landmark Resources Inc

**1-17s-32w Scott,KS**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

**Beeson A Unit #1-1**

Job Ticket: 56338

**DST#: 1**

ATTN: Terry McLeoud

Test Start: 2014.04.24 @ 05:51:07

### 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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.95 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% oil spots in tool	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

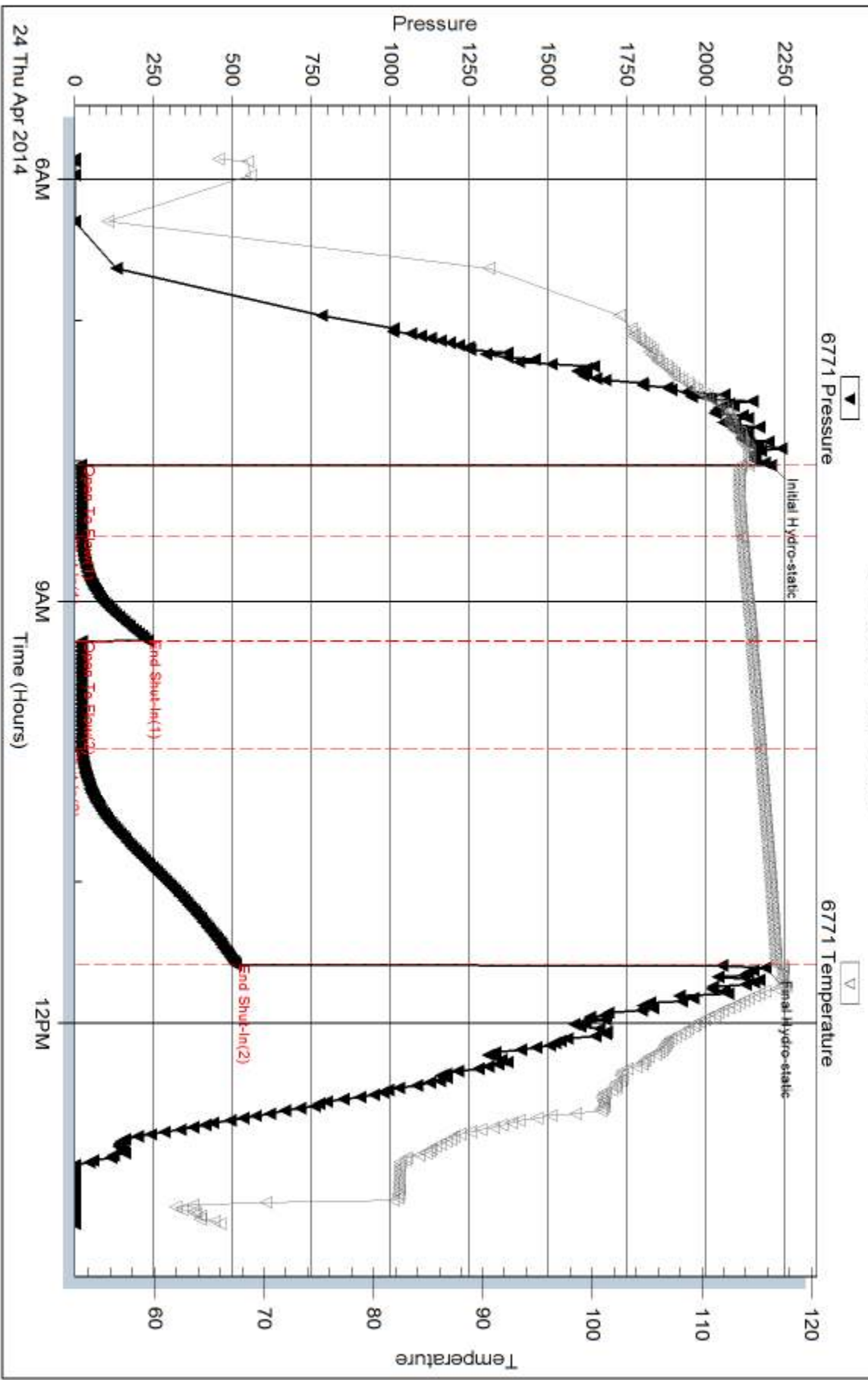
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

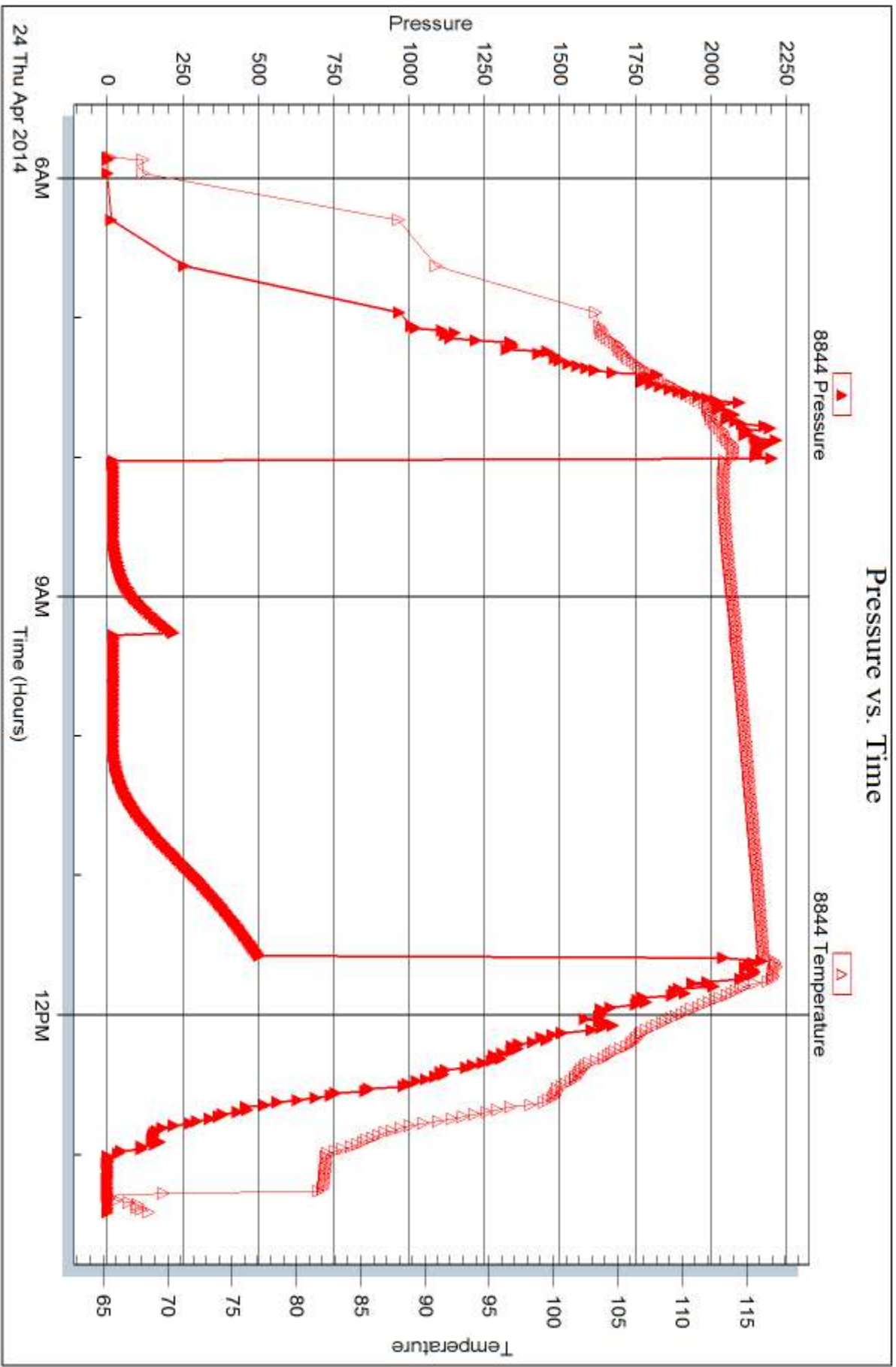


Serial #: 8844

Outside Landmark Resources Inc

Beeson A Unit #1-1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

ATTN: Terry McLeoud

### **Beeson A Unit #1-1**

### **1-17s-32w Scott,KS**

Start Date: 2014.04.25 @ 00:05:33

End Date: 2014.04.25 @ 07:45:33

Job Ticket #: 56339                      DST #: 2

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

Printed: 2014.05.02 @ 09:56:54





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc

**1-17s-32w Scott,KS**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

**Beeson A Unit #1-1**

ATTN: Terry McLeod

Job Ticket: 56339

**DST#: 2**

Test Start: 2014.04.25 @ 00:05:33

## GENERAL INFORMATION:

Formation: **Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:00:33

Time Test Ended: 07:45:33

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

**Interval: 4463.00 ft (KB) To 4530.00 ft (KB) (TVD)**

Reference Elevations: 3111.00 ft (KB)

Total Depth: 4530.00 ft (KB) (TVD)

3100.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

**Serial #: 6771 Inside**

Press@RunDepth: 171.07 psig @ 4464.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.25

End Date:

2014.04.25

Last Calib.:

2014.04.25

Start Time: 00:05:33

End Time:

07:33:33

Time On Btm:

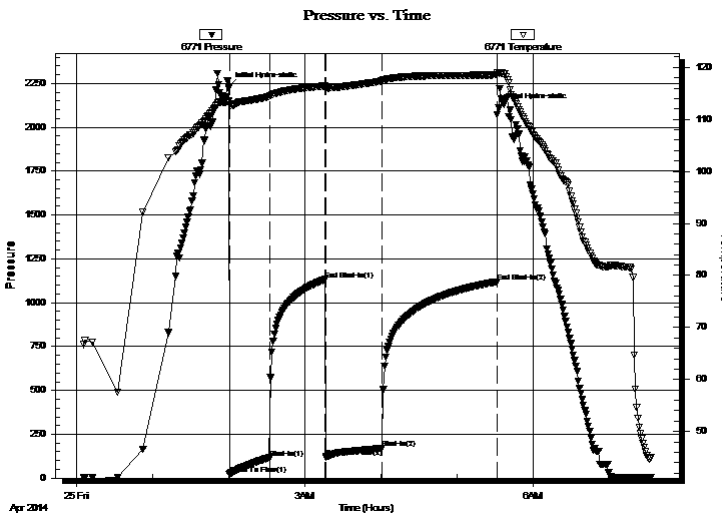
2014.04.25 @ 02:00:18

Time Off Btm:

2014.04.25 @ 05:33:18

TEST COMMENT: 6 1/2" blow  
No return  
5 1/2" blow  
No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2231.52	113.49	Initial Hydro-static
1	22.02	112.82	Open To Flow (1)
32	115.86	114.39	Shut-In(1)
76	113.17	116.41	End Shut-In(1)
77	119.10	116.03	Open To Flow (2)
121	171.07	117.36	Shut-In(2)
212	1119.91	118.55	End Shut-In(2)
213	2112.36	118.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
125.00	water 100w	0.61
120.00	m c w 30m 70w	0.59
90.00	w c m 40w 60m	0.99

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc  
 1616 S. Voss Rd Ste 600  
 Houston, TX 77057-2641  
 ATTN: Terry McLeoud

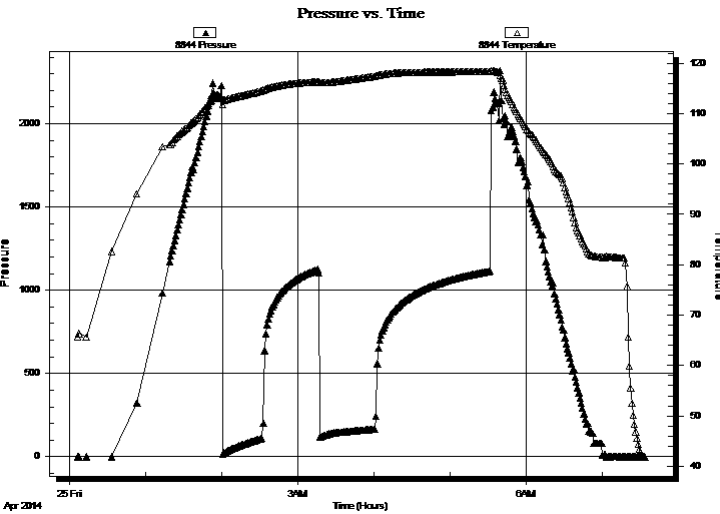
**1-17s-32w Scott, KS**  
**Beeson A Unit #1-1**  
 Job Ticket: 56339 **DST#: 2**  
 Test Start: 2014.04.25 @ 00:05:33

**GENERAL INFORMATION:**

Formation: **Altamont**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 02:00:33 Tester: Shane McBride  
 Time Test Ended: 07:45:33 Unit No: 55  
**Interval: 4463.00 ft (KB) To 4530.00 ft (KB) (TVD)** Reference Elevations: 3111.00 ft (KB)  
 Total Depth: 4530.00 ft (KB) (TVD) 3100.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

**Serial #: 8844 Outside**  
 Press@RunDepth: psig @ 4464.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.25 End Date: 2014.04.25 Last Calib.: 2014.04.25  
 Start Time: 00:06:13 End Time: 07:33:58 Time On Btm:  
 Time Off Btm:

TEST COMMENT: 6 1/2" blow  
 No return  
 5 1/2" blow  
 No return



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
125.00	water 100w	0.61
120.00	m c w 30m 70w	0.59
90.00	w c m 40w 60m	0.99

\* 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-32w Scott,KS**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

**Beeson A Unit #1-1**

Job Ticket: 56339

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2014.04.25 @ 00:05:33

## Tool Information

Drill Pipe:	Length: 4175.00 ft	Diameter: 3.80 inches	Volume: 58.56 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: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 59.91 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 77000.00 lb
Depth to Top Packer:	4463.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	90.00 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			4441.00	
Shut In Tool	5.00			4446.00	
Hydraulic tool	5.00			4451.00	
Safety Joint	3.00			4454.00	
Packer	5.00			4459.00	23.00 Bottom Of Top Packer
Packer	4.00			4463.00	
Stubb	1.00			4464.00	
Recorder	0.00	6771	Inside	4464.00	
Recorder	0.00	8844	Outside	4464.00	
Perforations	28.00			4492.00	
Change Over Sub	1.00			4493.00	
Drill Pipe	31.00			4524.00	
Change Over Sub	1.00			4525.00	
Bullnose	5.00			4530.00	67.00 Bottom Packers & Anchor

**Total Tool Length: 90.00**



**TRILOBITE  
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# DRILL STEM TEST REPORT

## FLUID SUMMARY

Landmark Resources Inc

**1-17s-32w Scott,KS**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

**Beeson A Unit #1-1**

Job Ticket: 56339

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2014.04.25 @ 00:05:33

### 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:

27000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 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
125.00	water 100w	0.615
120.00	m c w 30m 70w	0.590
90.00	w c m 40w 60m	0.989

Total Length: 335.00 ft      Total Volume: 2.194 bbl

Num Fluid Samples: 0

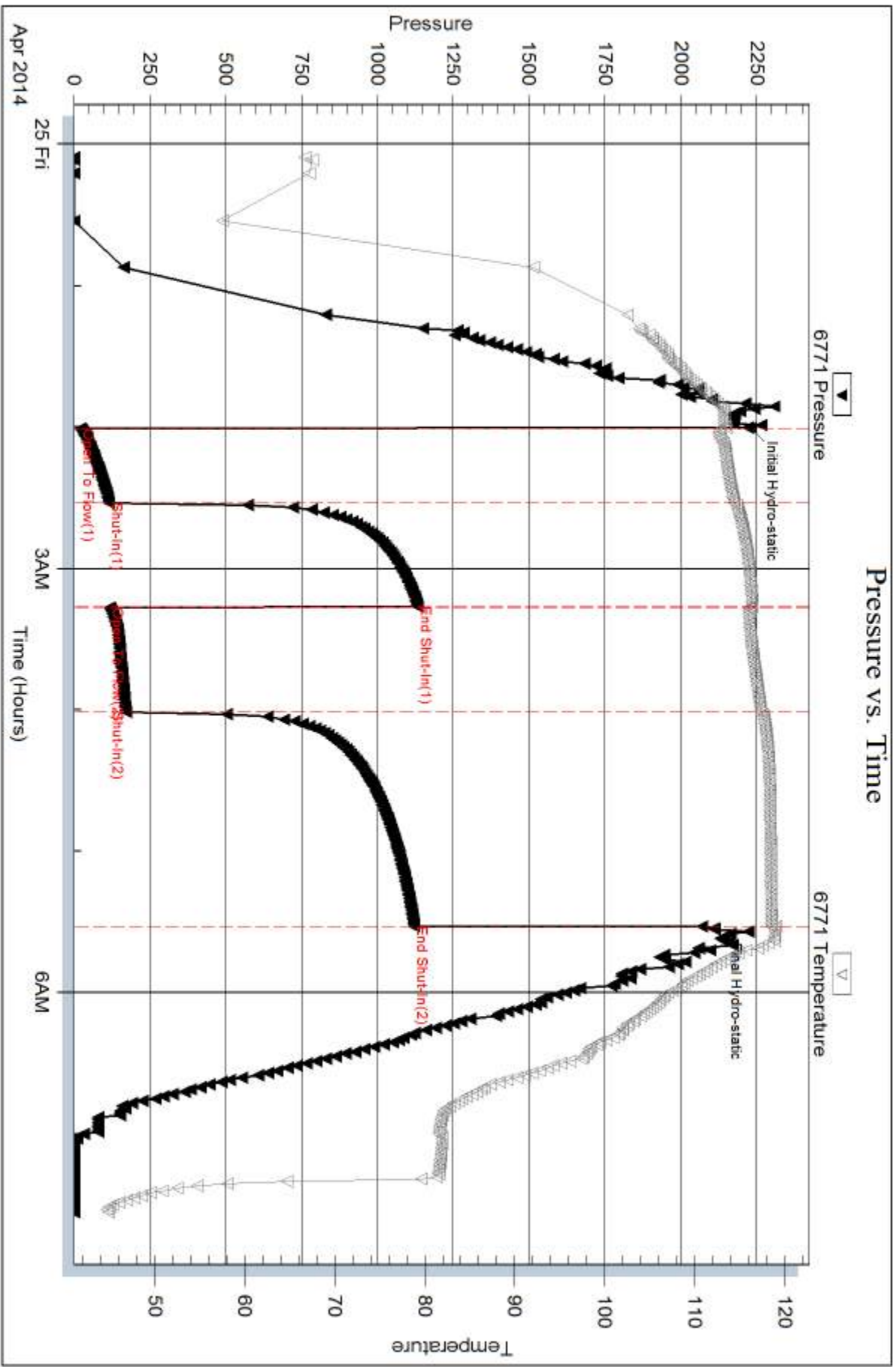
Num Gas Bombs: 0

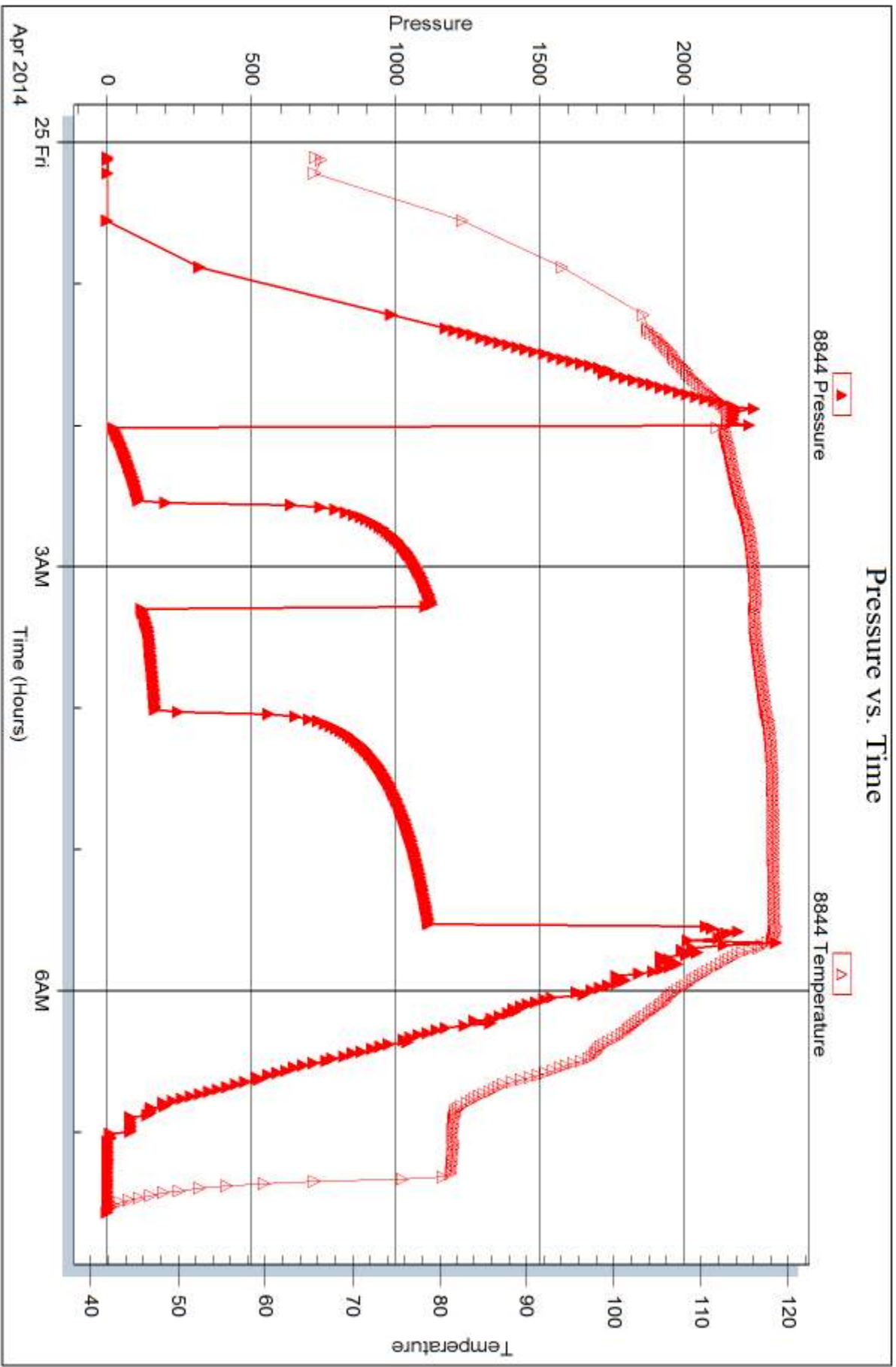
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw .415 @ 45\*f= 27,000 chlor







## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

ATTN: Terry McLeoud

### **Beeson A Unit #1-1**

### **1-17s-32w Scott,KS**

Start Date: 2014.04.26 @ 03:00:15

End Date: 2014.04.26 @ 10:40:00

Job Ticket #: 56340                      DST #: 3

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

Printed: 2014.05.02 @ 09:56:29



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc  
1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641  
ATTN: Terry McLeod

**1-17s-32w Scott,KS**

**Beeson A Unit #1-1**

Job Ticket: 56340

**DST#: 3**

Test Start: 2014.04.26 @ 03:00:15

## GENERAL INFORMATION:

Formation: **Johnson**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:56:00  
 Time Test Ended: 10:40:00  
 Interval: **4662.00 ft (KB) To 4730.00 ft (KB) (TVD)**  
 Total Depth: 4730.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3111.00 ft (KB)  
 3100.00 ft (CF)  
 KB to GR/CF: 11.00 ft

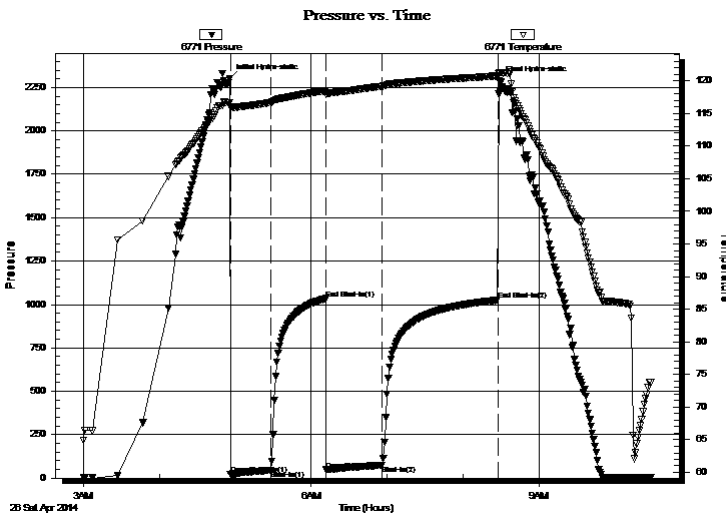
## Serial #: 6771

Inside

Press@RunDepth: 74.58 psig @ 4663.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.26 End Date: 2014.04.26 Last Calib.: 2014.04.26  
 Start Time: 03:00:15 End Time: 10:28:00 Time On Btm: 2014.04.26 @ 04:55:30  
 Time Off Btm: 2014.04.26 @ 08:28:15

TEST COMMENT: 2" blow  
 No return  
 1/4" blow  
 No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2301.68	116.68	Initial Hydro-static
1	20.94	115.98	Open To Flow (1)
33	45.46	116.70	Shut-In(1)
76	1034.03	118.48	End Shut-In(1)
77	48.23	117.98	Open To Flow (2)
121	74.58	119.15	Shut-In(2)
212	1025.09	120.77	End Shut-In(2)
213	2287.42	121.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	mud w/oil scum	0.34

\* 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-32w Scott, KS**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

**Beeson A Unit #1-1**

ATTN: Terry McLeod

Job Ticket: 56340

**DST#: 3**

Test Start: 2014.04.26 @ 03:00:15

**GENERAL INFORMATION:**

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:56:00

Time Test Ended: 10:40:00

**Interval: 4662.00 ft (KB) To 4730.00 ft (KB) (TVD)**

Total Depth: 4730.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Shane McBride

Unit No: 55

Reference Elevations: 3111.00 ft (KB)

3100.00 ft (CF)

KB to GR/CF: 11.00 ft

**Serial #: 8844 Outside**

Press@RunDepth: psig @ 4663.00 ft (KB)

Start Date: 2014.04.26

End Date:

2014.04.26

Start Time: 03:00:15

End Time:

10:28:00

Capacity: 8000.00 psig

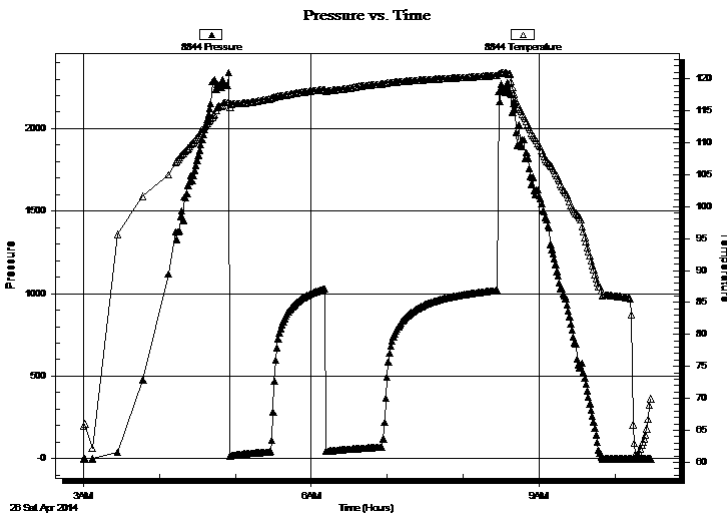
Last Calib.:

2014.04.26

Time On Btm:

Time Off Btm:

TEST COMMENT: 2" blow  
No return  
1/4" blow  
No return



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
70.00	mud w/oil scum	0.34

\* 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-32w Scott,KS**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

**Beeson A Unit #1-1**

Job Ticket: 56340

**DST#: 3**

ATTN: Terry McLeod

Test Start: 2014.04.26 @ 03:00:15

## Tool Information

Drill Pipe:	Length: 4395.00 ft	Diameter: 3.80 inches	Volume: 61.65 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: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 63.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4662.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	91.00 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			4640.00	
Shut In Tool	5.00			4645.00	
Hydraulic tool	5.00			4650.00	
Safety Joint	3.00			4653.00	
Packer	5.00			4658.00	23.00 Bottom Of Top Packer
Packer	4.00			4662.00	
Stubb	1.00			4663.00	
Recorder	0.00	6771	Inside	4663.00	
Recorder	0.00	8844	Outside	4663.00	
Perforations	29.00			4692.00	
Change Over Sub	1.00			4693.00	
Drill Pipe	31.00			4724.00	
Change Over Sub	1.00			4725.00	
Bullnose	5.00			4730.00	68.00 Bottom Packers & Anchor

**Total Tool Length: 91.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Landmark Resources Inc

**1-17s-32w Scott,KS**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

**Beeson A Unit #1-1**

Job Ticket: 56340

**DST#: 3**

ATTN: Terry McLeoud

Test Start: 2014.04.26 @ 03:00:15

### 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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	mud w /oil scum	0.344

Total Length: 70.00 ft      Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

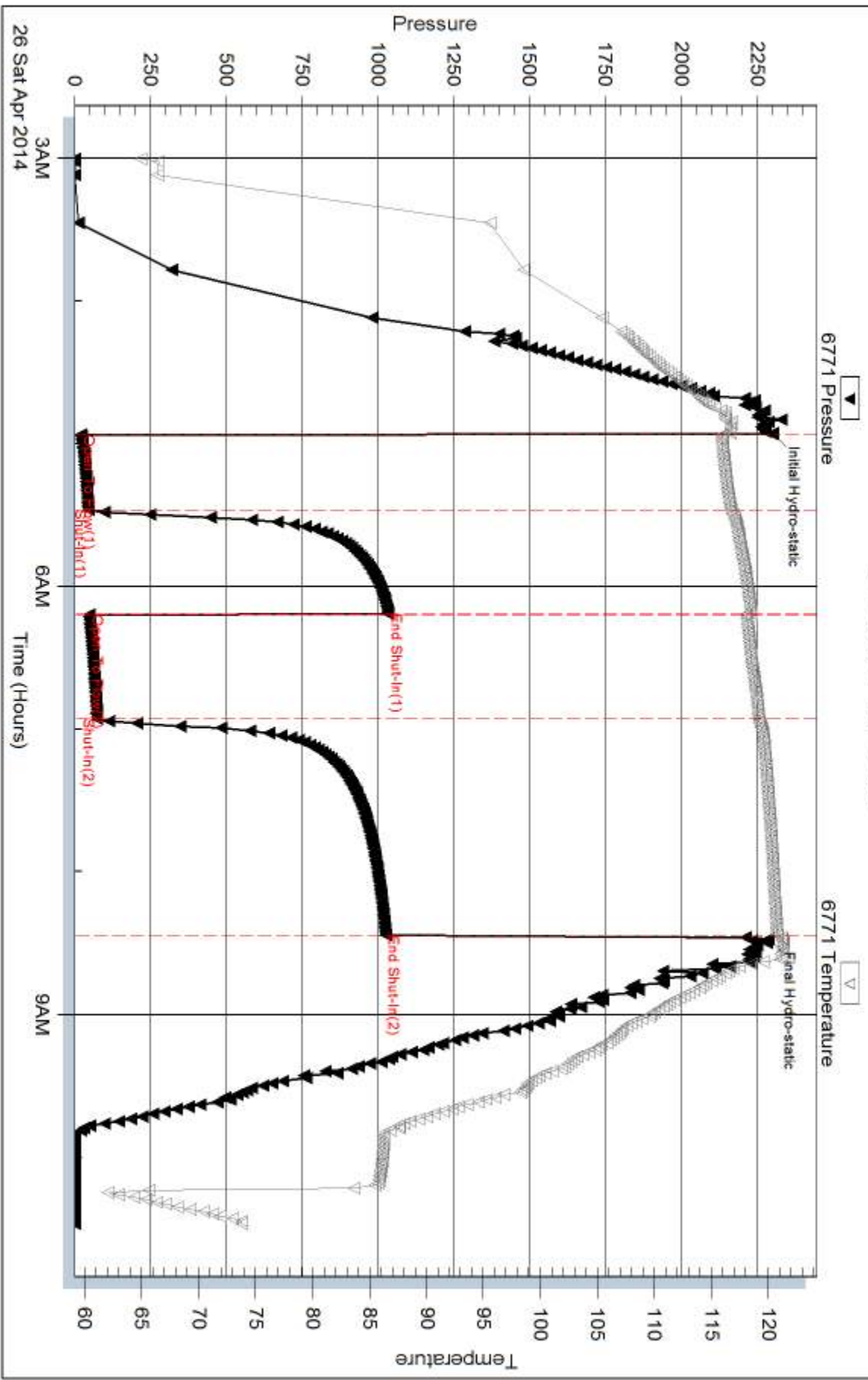
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

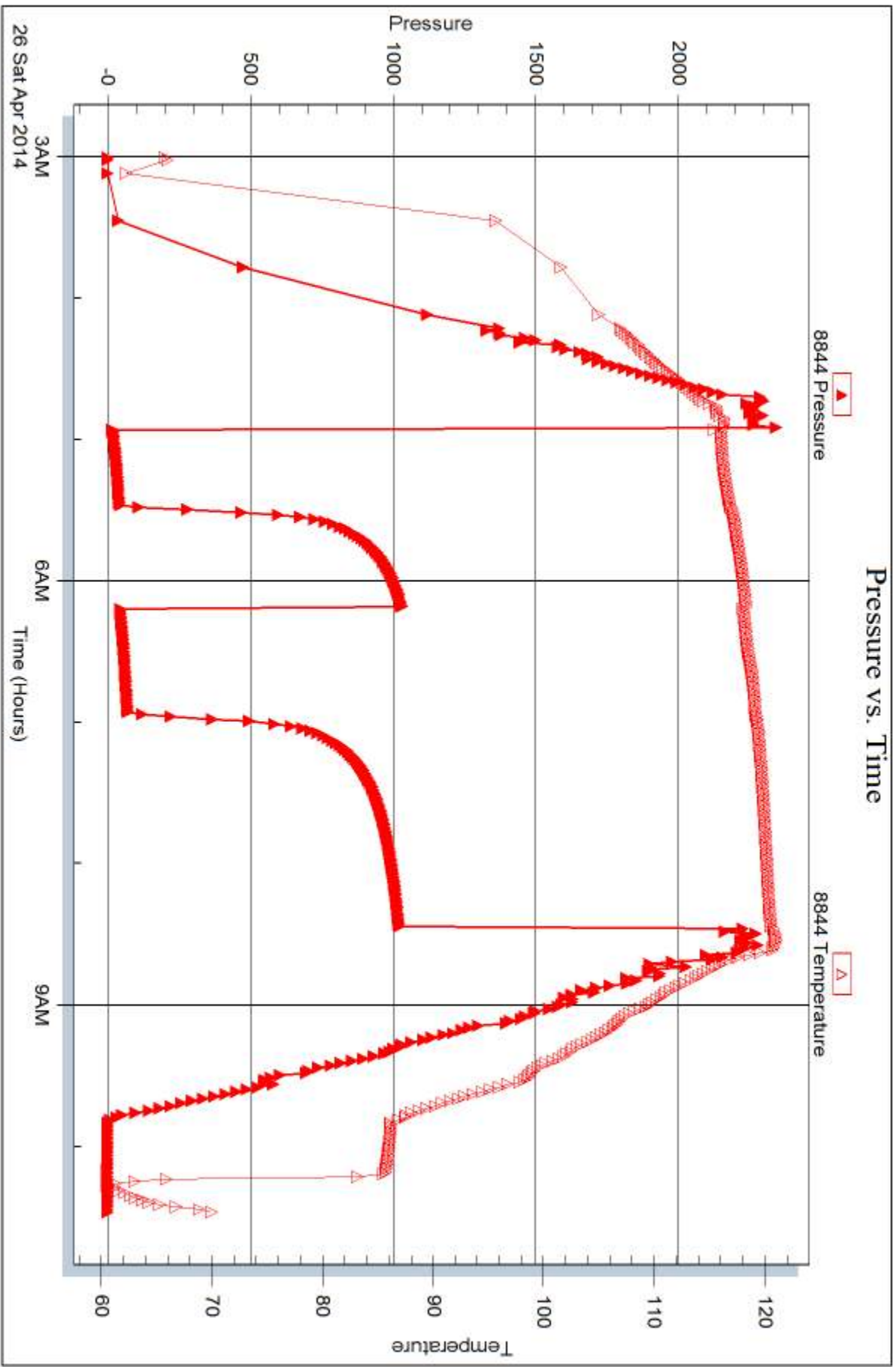


Serial #: 8844

Outside Landmark Resources Inc

Beeson A Unit #1-1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 56340

Printed: 2014.05.02 @ 09:56:30



## DRILL STEM TEST REPORT

Prepared For: **Landmark Resources Inc**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

ATTN: Terry McLeoud

### **Beeson A Unit #1-1**

### **1-17s-32w Scott,KS**

Start Date: 2014.04.27 @ 07:08:00

End Date: 2014.04.27 @ 15:29:30

Job Ticket #: 57640                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.05.02 @ 09:48:10



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc  
 1616 S. Voss Rd Ste 600  
 Houston, TX 77057-2641  
 ATTN: Terry McLeod

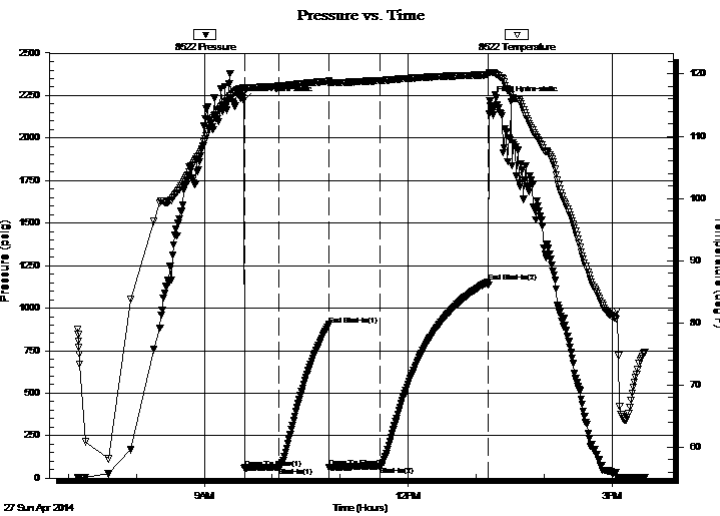
**1-17s-32w Scott,KS**  
**Beeson A Unit #1-1**  
 Job Ticket: 57640 **DST#: 4**  
 Test Start: 2014.04.27 @ 07:08:00

## GENERAL INFORMATION:

Formation: **Marmaton - Altamont**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:35:15  
 Time Test Ended: 15:29:30  
 Interval: **4416.00 ft (KB) To 4491.00 ft (KB) (TVD)**  
 Total Depth: 4850.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 69  
 Reference Elevations: 3111.00 ft (KB)  
 3100.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8522 Inside**  
 Press@RunDepth: 68.65 psig @ 4417.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.27 End Date: 2014.04.27 Last Calib.: 2014.04.27  
 Start Time: 07:08:05 End Time: 15:29:29 Time On Btm: 2014.04.27 @ 09:34:45  
 Time Off Btm: 2014.04.27 @ 13:12:00

TEST COMMENT: IF: 1/2" blow , receded to a Surface blow .  
 IS: No return.  
 FF: No blow .  
 FS: No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2219.35	117.79	Initial Hydro-static
1	58.93	117.27	Open To Flow (1)
31	63.04	118.05	Shut-In(1)
76	902.99	118.85	End Shut-In(1)
76	64.08	118.41	Open To Flow (2)
120	68.65	118.94	Shut-In(2)
216	1154.22	119.87	End Shut-In(2)
218	2218.21	120.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	mud 100% oil spots in tool	0.15

\* Recovery from multiple tests

## Gas Rates

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



# DRILL STEM TEST REPORT

Landmark Resources Inc  
 1616 S. Voss Rd Ste 600  
 Houston, TX 77057-2641  
 ATTN: Terry McLeod

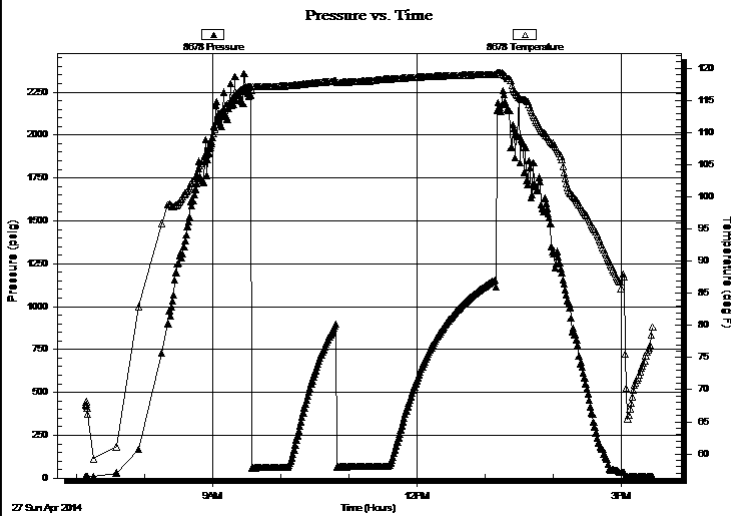
**1-17s-32w Scott,KS**  
**Beeson A Unit #1-1**  
 Job Ticket: 57640 **DST#: 4**  
 Test Start: 2014.04.27 @ 07:08:00

## GENERAL INFORMATION:

Formation: **Marmaton - Altamont**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 09:35:15  
 Time Test Ended: 15:29:30  
**Interval: 4416.00 ft (KB) To 4491.00 ft (KB) (TVD)**  
 Total Depth: 4850.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Bradley Walter  
 Unit No: 69  
 Reference Elevations: 3111.00 ft (KB)  
 3100.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 8678** **Outside**  
 Press@RunDepth: psig @ 4417.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.04.27 End Date: 2014.04.27 Last Calib.: 2014.04.27  
 Start Time: 07:08:05 End Time: 15:27:59 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF: 1/2" blow , receded to a Surface blow .  
 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	mud 100% oil spots in tool	0.15

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Landmark Resources Inc  
1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641  
ATTN: Terry McLeoud

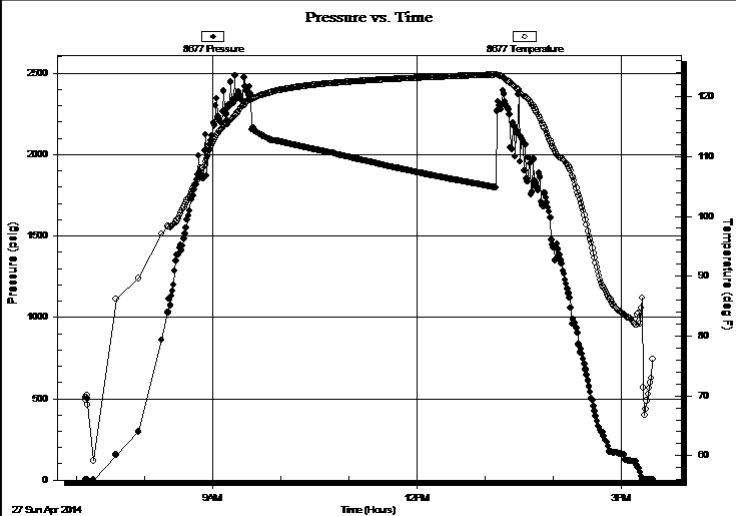
**1-17s-32w Scott, KS**  
**Beeson A Unit #1-1**  
Job Ticket: 57640 **DST#: 4**  
Test Start: 2014.04.27 @ 07:08:00

**GENERAL INFORMATION:**

Formation: **Marmaton - Altamont**  
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
Time Tool Opened: 09:35:15 Tester: Bradley Walter  
Time Test Ended: 15:29:30 Unit No: 69  
**Interval: 4416.00 ft (KB) To 4491.00 ft (KB) (TVD)** Reference Elevations: 3111.00 ft (KB)  
Total Depth: 4850.00 ft (KB) (TVD) 3100.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 11.00 ft

**Serial #: 8677 Below (Straddle)**  
Press@RunDepth: psig @ 4497.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2014.04.27 End Date: 2014.04.27 Last Calib.: 2014.04.27  
Start Time: 07:08:05 End Time: 15:27:59 Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF: 1/2" blow, receded to a Surface blow.  
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	mud 100% oil spots in tool	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

**1-17s-32w Scott,KS**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

**Beeson A Unit #1-1**

Job Ticket: 57640

**DST#: 4**

ATTN: Terry McLeoud

Test Start: 2014.04.27 @ 07:08:00

## Tool Information

Drill Pipe:	Length: 4141.00 ft	Diameter: 3.80 inches	Volume: 58.09 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: 275.00 ft	Diameter: 2.25 inches	Volume: 1.35 bbl	Weight to Pull Loose: 95000.00 lb
			Total Volume: 59.44 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4416.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	434.00 ft			
Tool Length:	454.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Change Over Sub	1.00			4397.00	
Shut In Tool	5.00			4402.00	
Hydraulic tool	5.00			4407.00	
Packer	5.00			4412.00	20.00 Bottom Of Top Packer
Packer	4.00			4416.00	
Stubb	1.00			4417.00	
Recorder	0.00	8522	Inside	4417.00	
Recorder	0.00	8678	Outside	4417.00	
Perforations	1.00			4418.00	
Change Over Sub	1.00			4419.00	
Drill Pipe	62.00			4481.00	
Change Over Sub	1.00			4482.00	
Perforations	5.00			4487.00	
Blank Off Sub	1.00			4488.00	434.00 Tool Interval
Packer	3.00			4491.00	
Blank Spacing	1.00			4492.00	
Perforations	4.00			4496.00	
Change Over Sub	1.00			4497.00	
Recorder	0.00	8677	Below	4497.00	
Drill Pipe	349.00			4846.00	
Change Over Sub	1.00			4847.00	
Bullnose	3.00			4850.00	1000453.00 Bottom Packers & Anchor

**Total Tool Length: 454.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Landmark Resources Inc

**1-17s-32w Scott,KS**

1616 S. Voss Rd Ste 600  
Houston, TX 77057-2641

**Beeson A Unit #1-1**

Job Ticket: 57640

**DST#: 4**

ATTN: Terry McLeoud

Test Start: 2014.04.27 @ 07:08:00

## 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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 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	mud 100% oil spots in tool	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

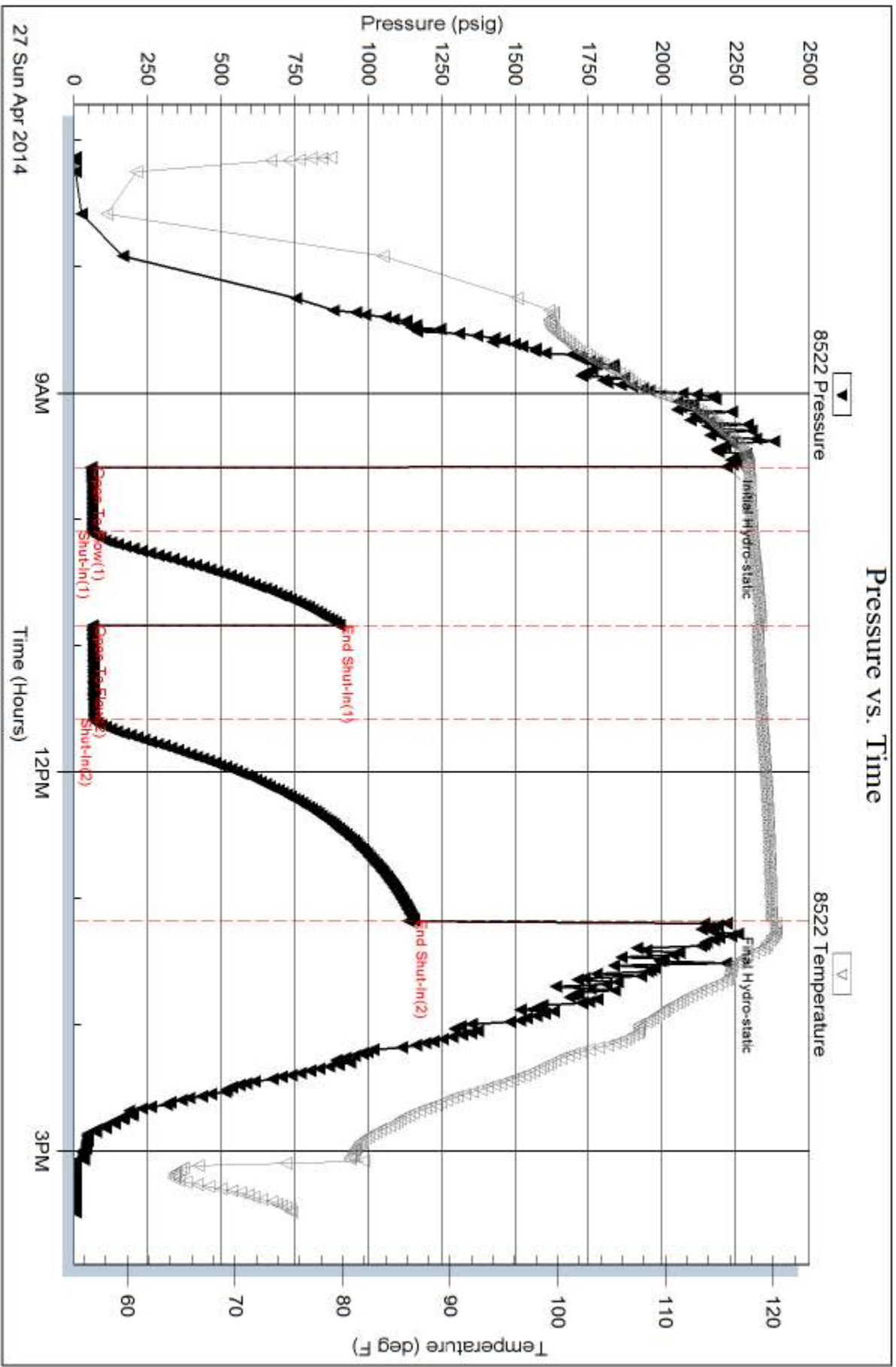
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

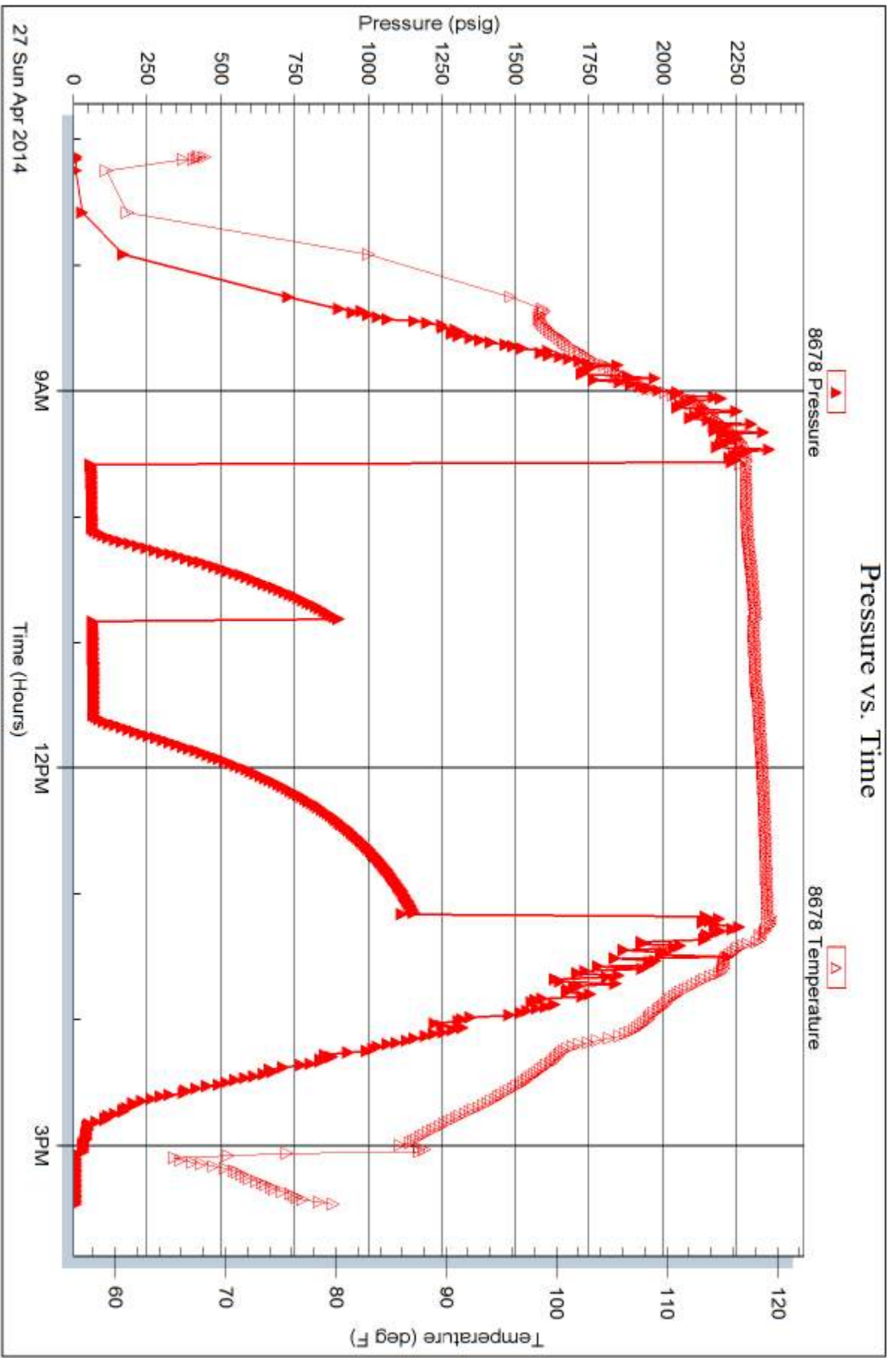


Serial #: 8678

Outside Landmark Resources Inc

Beeson A Unit #1-1

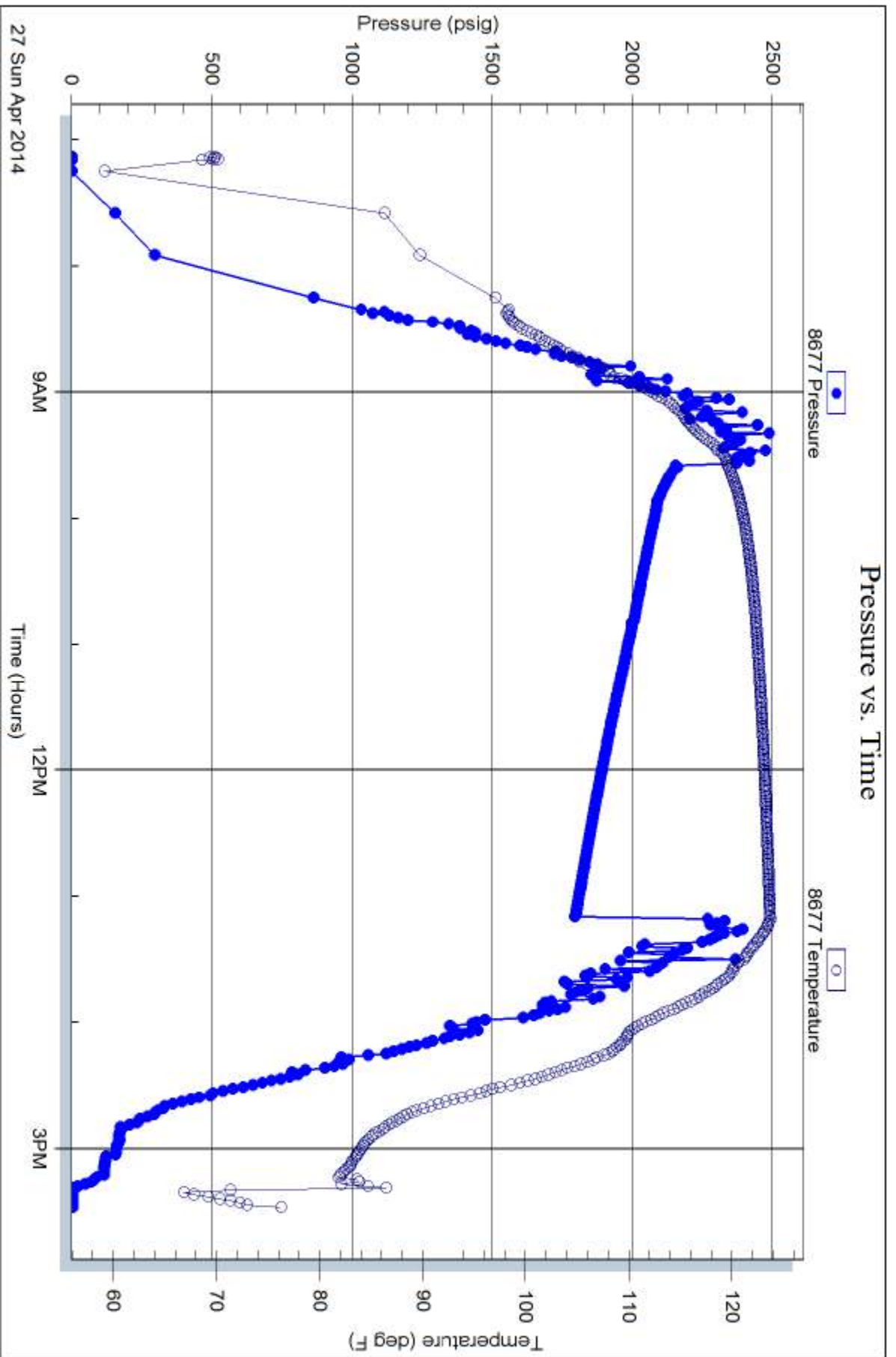
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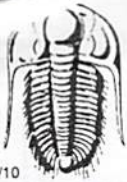
Trilobite Testing, Inc

Ref. No: 57640

Printed: 2014.05.02 @ 09:48:11







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **56338**

4/10

Well Name & No. Beeson A Unit # 1-1 Test No. #1 Date 2/24/14  
 Company Landmark Resources Inc Elevation 3111 KB 3100 GL  
 Address 1416 S. Voss Rd Ste 600 Houston, TX 77057-2641  
 Co. Rep / Geo. Terry McLeod Rig Martin #21  
 Location: Sec. 1 Twp. 17 Rge. 32w Co. Scott State Ks

Interval Tested 4417 4465 Zone Tested Marmaton A  
 Anchor Length 48 Drill Pipe Run 4142' Mud Wt. 9.2  
 Top Packer Depth 4412 Drill Collars Run 275' Vis 57  
 Bottom Packer Depth 4417 Wt. Pipe Run          WL 8.0  
 Total Depth 4465 Chlorides 3500 ppm System LCM #3

Blow Description weak blow dsed in 9 min.  
No return  
No blow  
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>Mud</u>			<u>100</u>	
	<u>(oil spots in Tool)</u>				

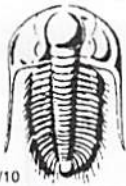
Rec Total 5' BHT 117' Gravity          API RW          @          F Chlorides          ppm

(A) Initial Hydrostatic 2206  Test 1250 T-On Location 04:30  
 (B) First Initial Flow 20  Jars          T-Started 05:50  
 (C) First Final Flow 22  Safety Joint 75 T-Open 08:00  
 (D) Initial Shut-In 229  Circ Sub N/C T-Pulled 10:30  
 (E) Second Initial Flow 21  Hourly Standby          T-Out 13:30  
 (F) Second Final Flow 23  Mileage 36 RT 55.80 Comments           
 (G) Final Shut-In 510  Sampler           
 (H) Final Hydrostatic 2187  Straddle           Ruined Shale Packer           
 Shale Packer           Ruined Packer 320  
 Extra Packer           Extra Copies           
 Extra Recorder          Sub Total 0  
 Day Standby          Total 1700.80  
 Accessibility          MP/DST Disc't         

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 95  
 Final Shut-In 90  
 Sub Total 1380.80

Approved By Terry McLeod Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 56339

4/10

Well Name & No. Beeson A Unit #1-1 Test No. #2 Date 4/25/14  
 Company Landmark Resources Inc Elevation 3111 KB 3100 GL  
 Address 1616 S Vass Rd. Ste 600 Houston, TX 77057-2641  
 Co. Rep / Geo. Terry McLeod Rig Muskog #21  
 Location: Sec. 1 Twp. 17 Rge. 32w Co. Scott State KS

Interval Tested 4463 4530 Zone Tested Altamont  
 Anchor Length 69 Drill Pipe Run 4175' Mud Wt. 9.4  
 Top Packer Depth 4458 Drill Collars Run 275' Vis 54  
 Bottom Packer Depth 4463 Wt. Pipe Run --- WL 8.0  
 Total Depth 4530 Chlorides 4000 ppm System LCM Ø

Blow Description 6 1/2" in blow  
No return  
5 1/2" in blow  
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>wcm</u>		<u>40</u>	<u>60</u>	
<u>120</u>	<u>mcw</u>		<u>70</u>	<u>30</u>	
<u>125</u>	<u>water</u>		<u>100</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 335' BHT 119° Gravity --- API RW 415 @ 45 ° F Chlorides 27000 ppm

(A) Initial Hydrostatic 2231  Test 1250 T-On Location 23:35  
 (B) First Initial Flow 22  Jars \_\_\_\_\_ T-Started 00:05  
 (C) First Final Flow 115  Safety Joint 75 T-Open 02:00  
 (D) Initial Shut-In 1131  Circ Sub N/C T-Pulled 05:30  
 (E) Second Initial Flow 119  Hourly Standby \_\_\_\_\_ T-Out 07:45  
 (F) Second Final Flow 171  Mileage 36 RT 55.80 Comments \_\_\_\_\_  
 (G) Final Shut-In 1119  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2112  Straddle \_\_\_\_\_  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 45  Day Standby \_\_\_\_\_ Total 1380.80  
 Final Shut-In 90  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1380.80

Approved By Terry McLeod Our Representative [Signature]

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **56340**

4/10

Well Name & No. Beeson A Unit #1-1 Test No. #3 Date 4/26/14  
 Company Landmark Resources Inc Elevation 3111 KB 3100 GL  
 Address 1616 S. Voss Rd Ste 600 Houston, Tx 77057-2641  
 Co. Rep / Geo. Terry McLeod Rig Martini #21  
 Location: Sec. 1 Twp. 17 Rge. 32w Co. Scott State KS

Interval Tested 4662 4730 Zone Tested Johnson  
 Anchor Length 68 Drill Pipe Run 4395 Mud Wt. 9.4  
 Top Packer Depth 4057 Drill Collars Run 275' Vis 57  
 Bottom Packer Depth 4662 Wt. Pipe Run \_\_\_\_\_ WL 7.2  
 Total Depth 4730 Chlorides 3500 ppm System LCM #2

Blow Description 2" in blow  
No return  
1/4" in blow  
No return

Rec	Feet of	%gas	%oil	%water	%mu
<u>70'</u>	<u>Mud w/oil/seum</u>	<u>Scum</u>		<u>100%</u>	<u>mu</u>
Rec	Feet of	%gas	%oil	%water	%mu
Rec	Feet of	%gas	%oil	%water	%mu
Rec	Feet of	%gas	%oil	%water	%mu
Rec	Feet of	%gas	%oil	%water	%mu

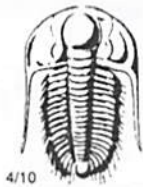
Rec Total 70' BHT 121° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2301  Test 1250 T-On Location 02:20  
 (B) First Initial Flow 20  Jars \_\_\_\_\_ T-Started 03:00  
 (C) First Final Flow 45  Safety Joint 75 T-Open 04:55  
 (D) Initial Shut-In 1034  Circ Sub N/C T-Pulled 08:25  
 (E) Second Initial Flow 48  Hourly Standby \_\_\_\_\_ T-Out 10:40  
 (F) Second Final Flow 74  Mileage 36 RT 111.60 Comments Picked up tool  
 (G) Final Shut-In 1025  Sampler \_\_\_\_\_ 3 released on 4/26/14  
 (H) Final Hydrostatic 2287  Straddle \_\_\_\_\_ 1 @ 16:00 pm.  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_

Initial Open 30  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Shut-In 45  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Final Flow 45  Day Standby \_\_\_\_\_ Total 1436.60  
 Final Shut-In 90  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1436.60

Approved By Terry McLeod Our Representative \_\_\_\_\_

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 57640

Well Name & No. Beeson A Unit #1-1 Test No. 4 Date 4/27/14  
 Company Landmark Resources, Inc Elevation 3111 KB 3100 GL  
 Address 1616 S Voss Rd STE 600 Houston, Tx 77057  
 Co. Rep / Geo. Terry McLeod Rig Martin 21  
 Location: Sec. 1 Twp. 17S Rge. 32W Co. Scott State Ks

Interval Tested 4416-4491 TO 4850 Zone Tested Marmaton - Altamont  
 Anchor Length 75' Anchor 359' Tail Drill Pipe Run 4141 Mud Wt. 9.4  
 Top Packer Depth 4411 Drill Collars Run 275 Vis 61  
 Bottom Packer Depth 4416 / 4491 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4850 Chlorides 5000 ppm System LCM 2#

Blow Description IF! 1/2" blow detected to a surface blow.  
ISI! No return.  
FF! No blow  
FSI! No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>MUD</u>			<u>100</u>	
	<u>oil spots in tool</u>				

Rec Total 30 BHT 120 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2219</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0625</u>
(B) First Initial Flow <u>59</u>	<input type="checkbox"/> Jars	T-Started <u>0708</u>
(C) First Final Flow <u>63</u>	<input type="checkbox"/> Safety Joint	T-Open <u>0936</u>
(D) Initial Shut-In <u>903</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>1306</u>
(E) Second Initial Flow <u>64</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1530</u>
(F) Second Final Flow <u>69</u>	<input checked="" type="checkbox"/> Mileage <u>35 AT 55.80</u>	Comments _____
(G) Final Shut-In <u>1154</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2218</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>2155.80</u>
Final Shut-In <u>90</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>2155.80</u>	

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

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