



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc.**

1616 S Voss Rd STE 600
Houston, TX 77057

ATTN: Terry McLeod

Beeson #1-1

1-17s-34w Scott KS

Start Date: 2013.10.06 @ 19:02:00

End Date: 2013.10.07 @ 02:18:00

Job Ticket #: 55096 DST #: 1

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

Printed: 2013.10.14 @ 13:51:28

Landmark Resources, Inc.
1-17s-34w Scott KS
Beeson #1-1
DST # 1
LKC "A"
2013.10.06



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 #1-1

Job Ticket: 55096

DST#: 1

ATTN: Terry McLeod

Test Start: 2013.10.06 @ 19:02:00

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:11:00

Time Test Ended: 02:18:00

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

Interval: 4002.00 ft (KB) To 4030.00 ft (KB) (TVD)

Reference Elevations: 3106.00 ft (KB)

Total Depth: 4030.00 ft (KB) (TVD)

3101.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8671

Inside

Press @ Run Depth: 388.60 psig @ 4003.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.06

End Date:

2013.10.07

Last Calib.:

2013.10.07

Start Time:

19:02:05

End Time:

02:17:59

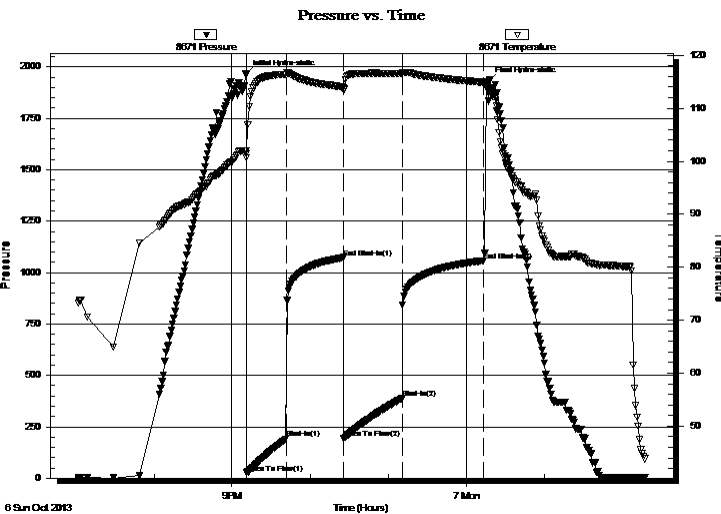
Time On Btm:

2013.10.06 @ 21:10:45

Time Off Btm:

2013.10.07 @ 00:17:30

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 8 min.
45 - IS: No blow back
45 - FF: Blow built to BOB in 9 1/4 min.
60 - FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1965.41	102.01	Initial Hydro-static
1	25.51	100.67	Open To Flow (1)
31	191.78	116.43	Shut-In(1)
75	1072.78	113.97	End Shut-In(1)
76	193.28	113.46	Open To Flow (2)
120	388.60	116.59	Shut-In(2)
183	1057.67	114.90	End Shut-In(2)
187	1930.15	113.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
640.00	Water w /TO 98%w , 2%m	8.98
125.00	SMCW w /TO 93%w , 7%m	1.75
30.00	MCW w /TO 72%w , 28%m	0.42

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 #1-1

Job Ticket: 55096

DST#: 1

ATTN: Terry McLeod

Test Start: 2013.10.06 @ 19:02:00

GENERAL INFORMATION:

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Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:11:00

Time Test Ended: 02:18:00

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

Interval: **4002.00 ft (KB) To 4030.00 ft (KB) (TVD)**

Total Depth: 4030.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3106.00 ft (KB)

3101.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320 Outside

Press @ Run Depth: psig @ 4003.00 ft (KB)

Start Date: 2013.10.06

End Date:

2013.10.07

Capacity: 8000.00 psig

Last Calib.:

2013.10.07

Start Time:

19:02:05

End Time:

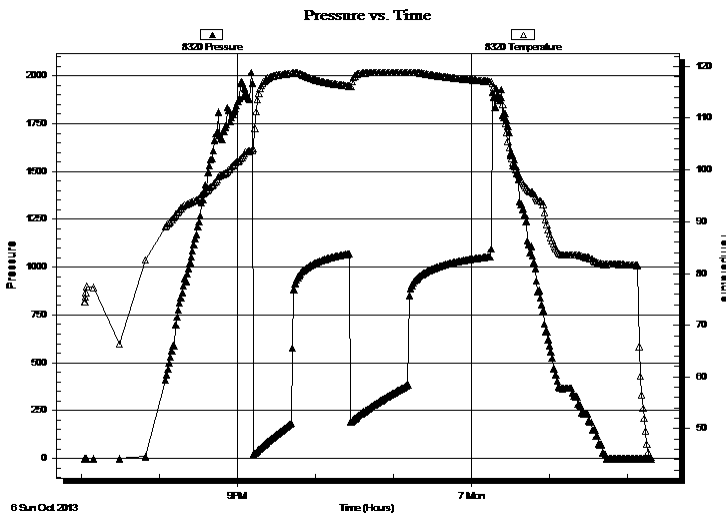
02:18:14

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 8 min.
45 - IS: No blow back
45 - FF: Blow built to BOB in 9 1/4 min.
60 - FS: No blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
640.00	Water w /TO 98%w , 2%m	8.98
125.00	SMCW w /TO 93%w , 7%m	1.75
30.00	MCW w /TO 72%w , 28%m	0.42

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 #1-1

Job Ticket: 55096

DST#: 1

ATTN: Terry McLeod

Test Start: 2013.10.06 @ 19:02:00

Tool Information

Drill Pipe:	Length: 3999.00 ft	Diameter: 3.80 inches	Volume: 56.10 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 56.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4002.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3984.00	
Hydraulic tool	5.00			3989.00	
Safety Joint	3.00			3992.00	
Packer	5.00			3997.00	23.00 Bottom Of Top Packer
Packer	5.00			4002.00	
Stubb	1.00			4003.00	
Recorder	0.00	8671	Inside	4003.00	
Recorder	0.00	8320	Outside	4003.00	
Perforations	24.00			4027.00	
Bullnose	3.00			4030.00	28.00 Bottom Packers & Anchor
Total Tool Length:	51.00				



**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 #1-1

Job Ticket: 55096

DST#: 1

ATTN: Terry McLeod

Test Start: 2013.10.06 @ 19:02:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

76000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
640.00	Water w/TO 98%w , 2%m	8.978
125.00	SMCW w/TO 93%w , 7%m	1.753
30.00	MCW w/TO 72%w , 28%m	0.421

Total Length: 795.00 ft Total Volume: 11.152 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

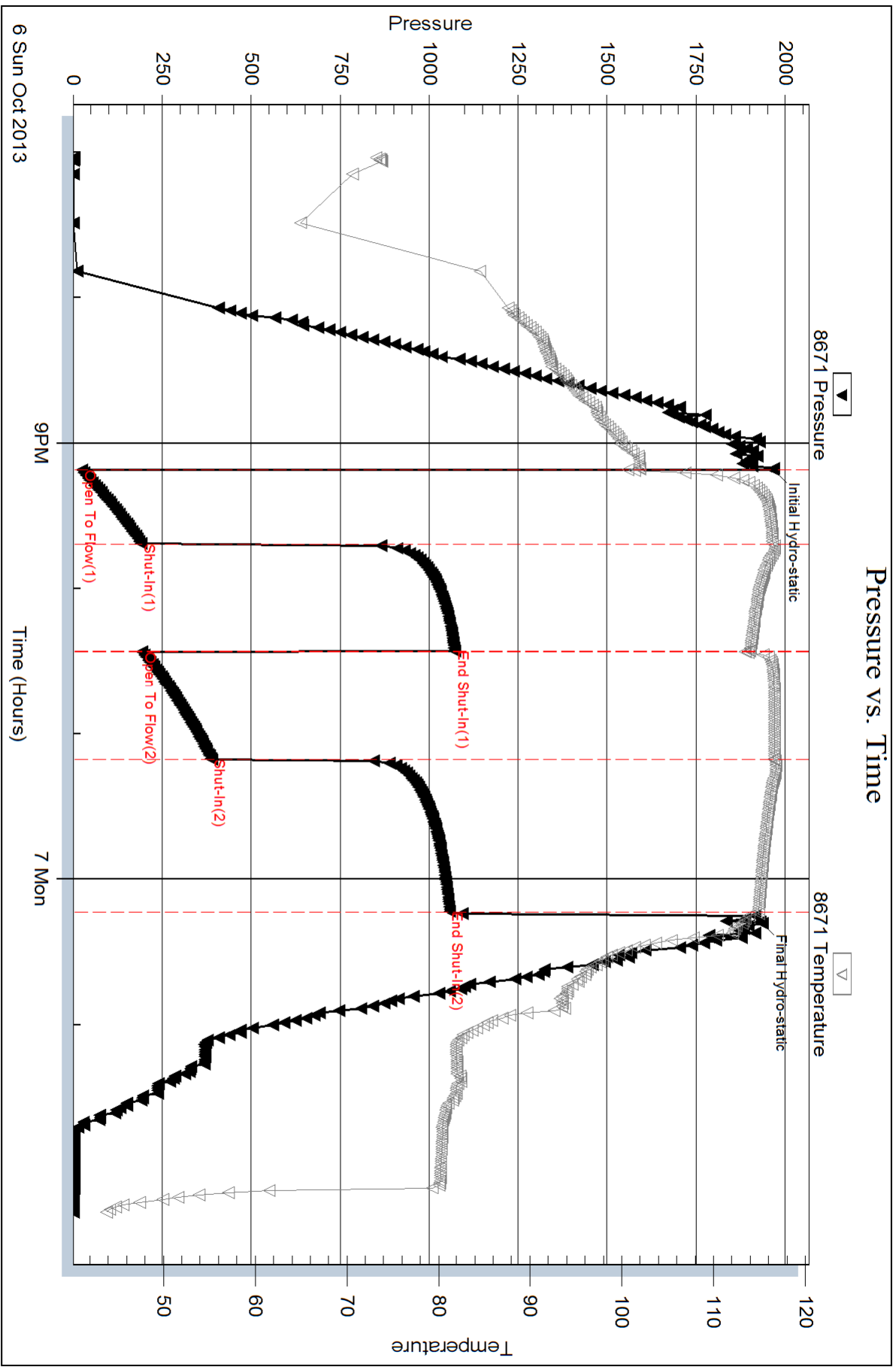
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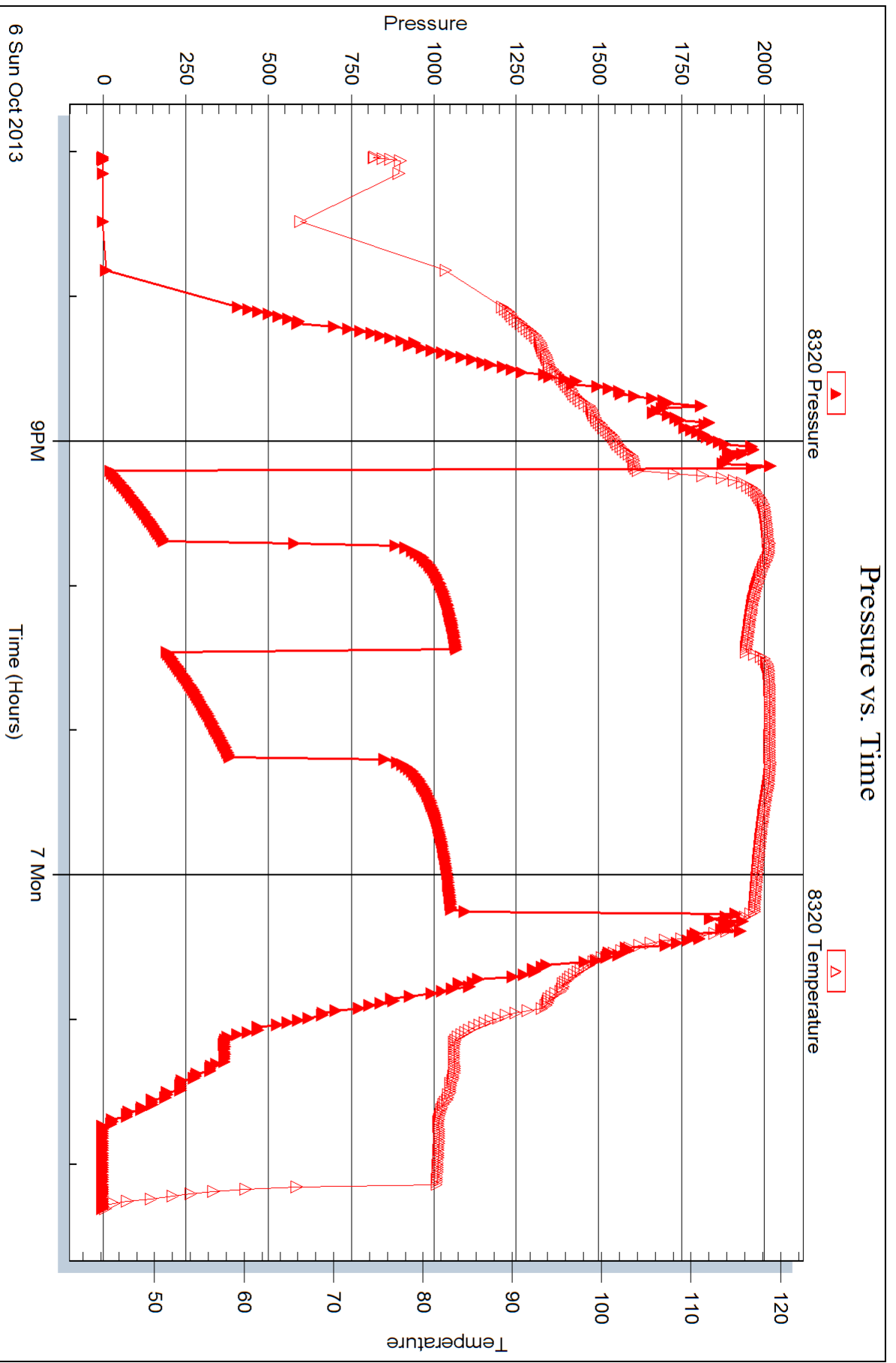
Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .163 ohms @ 44.5 deg F

Chlorides = 76,000 ppm







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc.**

1616 S Voss Rd STE 600
Houston, TX 77057

ATTN: Terry McLeod

Beeson #1-1

1-17s-34w Scott KS

Start Date: 2013.10.07 @ 09:30:00

End Date: 2013.10.07 @ 16:11:30

Job Ticket #: 55097 DST #: 2

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

Printed: 2013.10.14 @ 13:51:04



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 #1-1

Job Ticket: 55097

DST#: 2

ATTN: Terry McLeod

Test Start: 2013.10.07 @ 09:30:00

GENERAL INFORMATION:

Formation: **LKC. "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:14:15

Time Test Ended: 16:11:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: 4041.00 ft (KB) To 4060.00 ft (KB) (TVD)

Total Depth: 4060.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3106.00 ft (KB)

3101.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8671

Inside

Press @ Run Depth: 220.73 psig @ 4042.00 ft (KB)

Start Date: 2013.10.07

End Date:

2013.10.07

Start Time: 09:30:05

End Time:

16:11:29

Capacity: 8000.00 psig

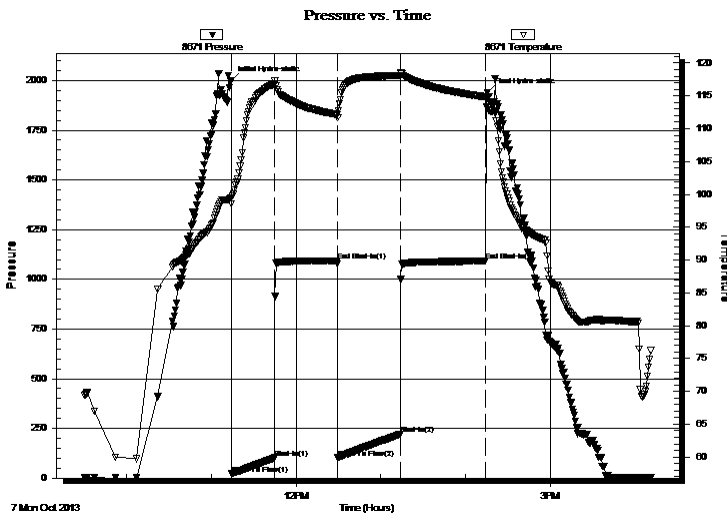
Last Calib.: 2013.10.07

Time On Btm: 2013.10.07 @ 11:14:00

Time Off Btm: 2013.10.07 @ 14:15:45

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 17 3/4 min.
45 - IS: No blow back
45 - FF: Blow built to BOB in 18 1/4 min.
60 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1998.57	99.50	Initial Hydro-static
1	20.69	98.56	Open To Flow (1)
31	101.32	116.70	Shut-In(1)
75	1094.32	112.17	End Shut-In(1)
76	102.12	111.70	Open To Flow (2)
120	220.73	118.11	Shut-In(2)
181	1092.01	114.85	End Shut-In(2)
182	1940.79	113.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	WM w /TO 53%w, 47%w	0.14
372.00	Water w /TO 94%w, 6%m	5.22
63.00	MCW w /TO 66%w, 34%m	0.88
5.00	MCW w /OS 74%w, 24%m, 2%o	0.07
0.00	a few inches of Free Oil on top	0.00

Gas Rates

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

* Recovery from multiple tests



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 #1-1

Job Ticket: 55097

DST#: 2

ATTN: Terry McLeod

Test Start: 2013.10.07 @ 09:30:00

GENERAL INFORMATION:

Formation: **LKC. "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:14:15

Time Test Ended: 16:11:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: 4041.00 ft (KB) To 4060.00 ft (KB) (TVD)

Total Depth: 4060.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3106.00 ft (KB)

3101.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320 Outside

Press @ Run Depth: psig @ 4042.00 ft (KB)

Start Date: 2013.10.07

End Date:

2013.10.07

Start Time: 09:30:05

End Time:

16:11:44

Capacity: 8000.00 psig

Last Calib.:

2013.10.07

Time On Btm:

Time Off Btm:

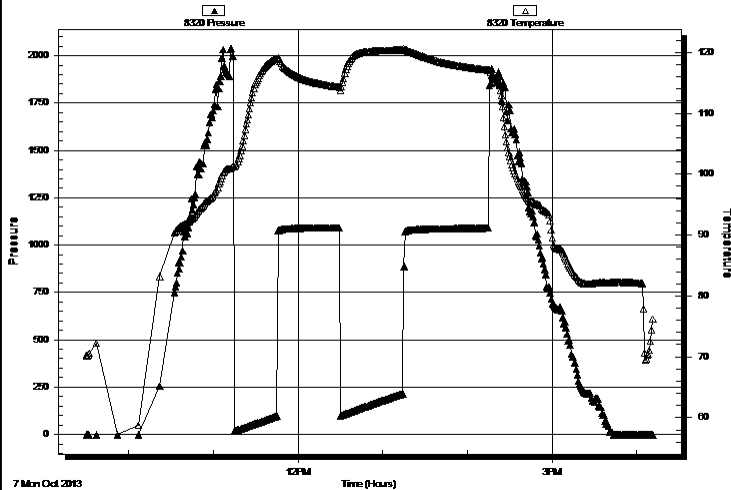
TEST COMMENT: 30 - IF: Blow built to BOB (11") in 17 3/4 min.

45 - IS: No blow back

45 - FF: Blow built to BOB in 18 1/4 min.

60 - FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	WM w /TO 53% m, 47% w	0.14
372.00	Water w /TO 94% w, 6% m	5.22
63.00	MCW w /TO 66% w, 34% m	0.88
5.00	MCW w /OS 74% w, 24% m, 2% o	0.07
0.00	a few inches of Free Oil on top	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 #1-1

Job Ticket: 55097

DST#: 2

ATTN: Terry McLeod

Test Start: 2013.10.07 @ 09:30:00

Tool Information

Drill Pipe:	Length: 4030.00 ft	Diameter: 3.80 inches	Volume: 56.53 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 56.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4041.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	42.00 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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Shut In Tool	5.00			4023.00	
Hydraulic tool	5.00			4028.00	
Safety Joint	3.00			4031.00	
Packer	5.00			4036.00	23.00 Bottom Of Top Packer
Packer	5.00			4041.00	
Stubb	1.00			4042.00	
Recorder	0.00	8671	Inside	4042.00	
Recorder	0.00	8320	Outside	4042.00	
Perforations	15.00			4057.00	
Bullnose	3.00			4060.00	19.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**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 #1-1

Job Ticket: 55097

DST#: 2

ATTN: Terry McLeod

Test Start: 2013.10.07 @ 09:30:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 10.36 in³
Resistivity: ohm.m
Salinity: 5400.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 38000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	WM w/TO 53% <i>m</i> , 47% <i>w</i>	0.140
372.00	Water w/TO 94% <i>w</i> , 6% <i>m</i>	5.218
63.00	MCW w/TO 66% <i>w</i> , 34% <i>m</i>	0.884
5.00	MCW w/OS 74% <i>w</i> , 24% <i>m</i> , 2% <i>o</i>	0.070
0.00	a few inches of Free Oil on top	0.000

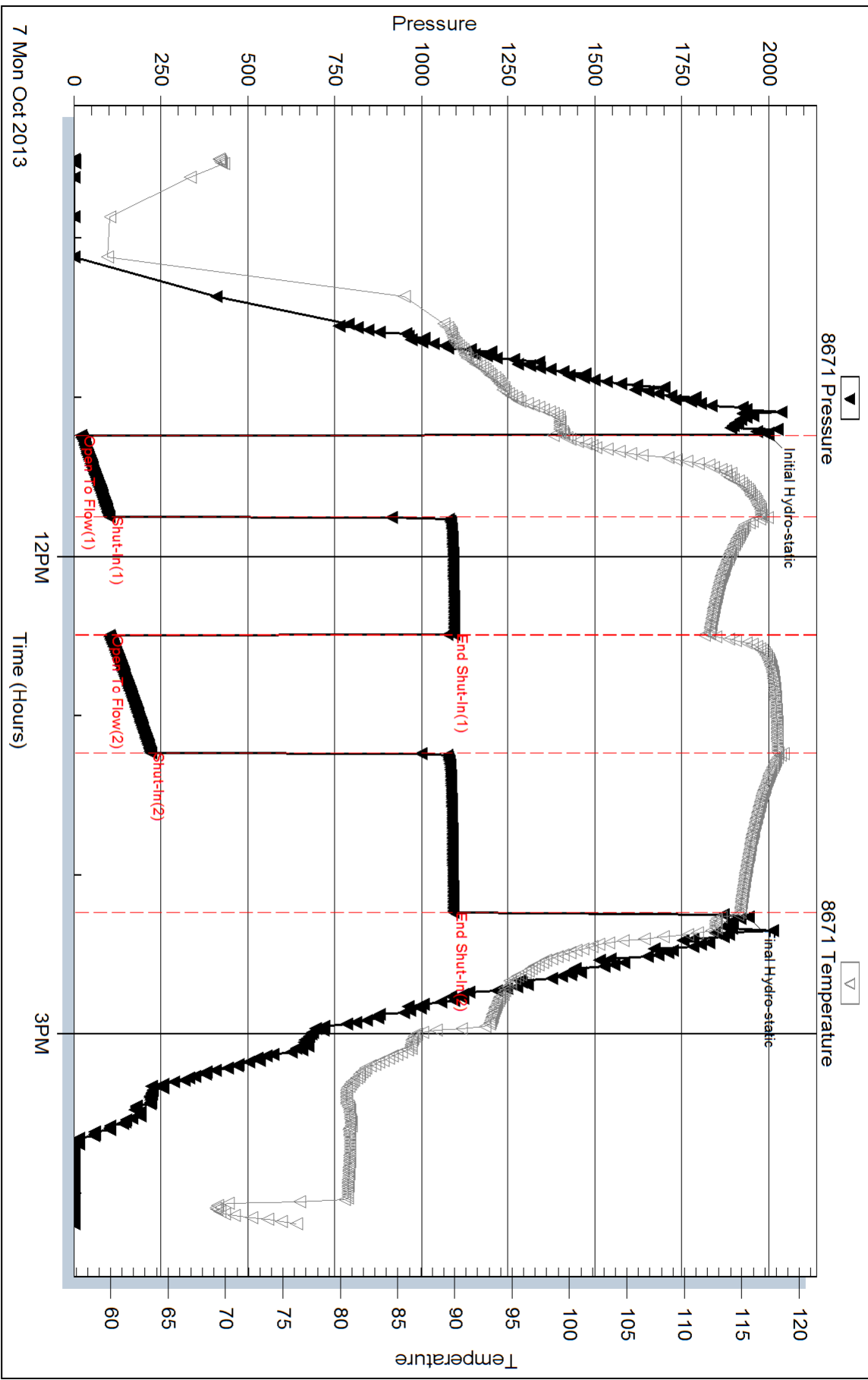
Total Length: 450.00 ft Total Volume: 6.312 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW = .157 ohms @ 86.8 deg F
Chlorides = 38,000 ppm

Pressure vs. Time

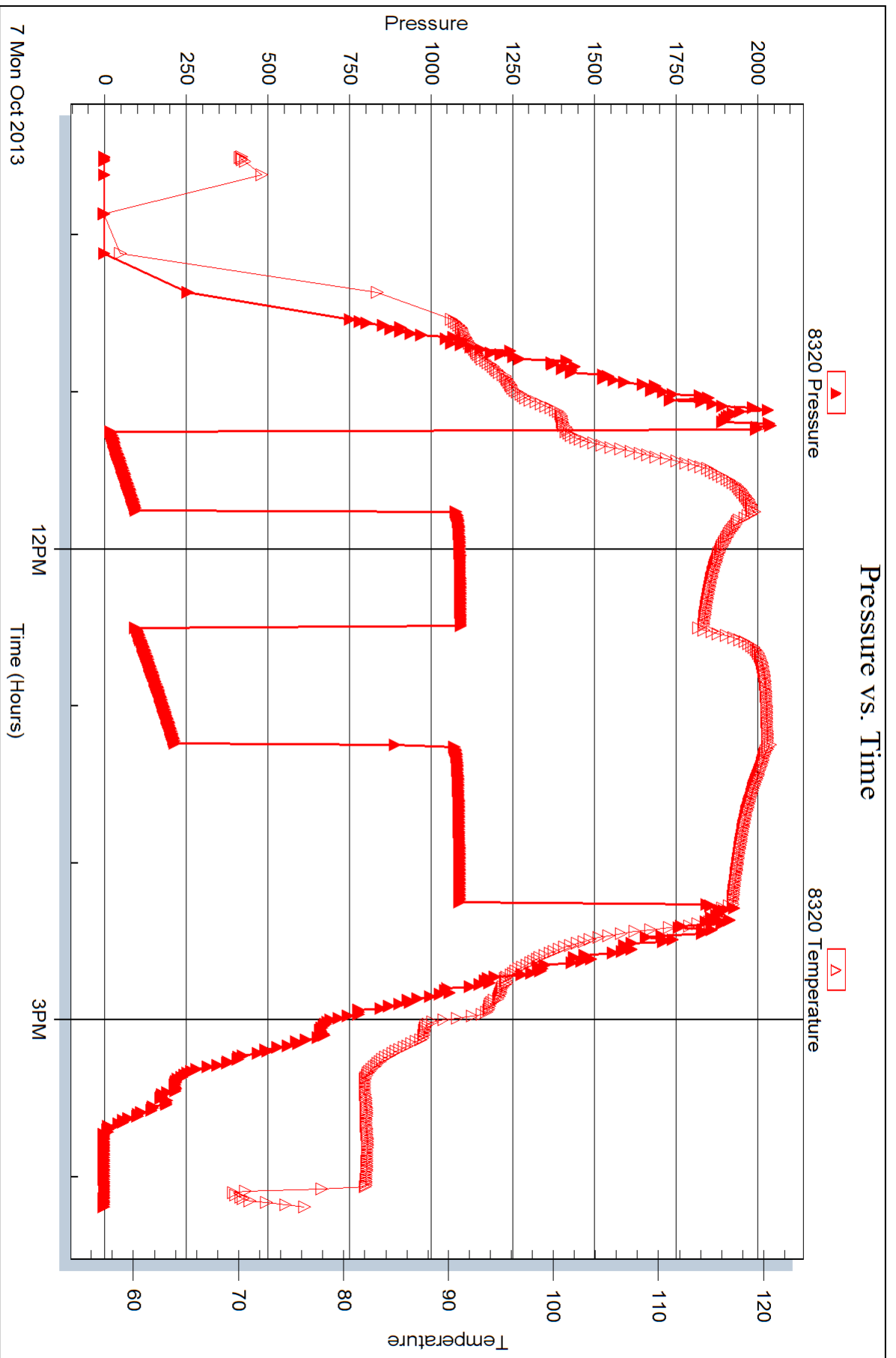


Serial #: 8320

Outside Landmark Resources, Inc.

Beeson #1-1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 55097

Printed: 2013.10.14 @ 13:51:05



DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc.**

1616 S Voss Rd STE 600
Houston, TX 77057

ATTN: Terry McLeod

Beeson #1-1

1-17s-34w Scott KS

Start Date: 2013.10.08 @ 15:00:00

End Date: 2013.10.08 @ 22:27:30

Job Ticket #: 55098 DST #: 3

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

Printed: 2013.10.14 @ 13:45:30



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 #1-1

Job Ticket: 55098

DST#: 3

ATTN: Terry McLeod

Test Start: 2013.10.08 @ 15:00:00

GENERAL INFORMATION:

Formation: **LKC "H - I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:02:00

Time Test Ended: 22:27:30

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: 4205.00 ft (KB) To 4255.00 ft (KB) (TVD)

Reference Elevations: 3106.00 ft (KB)

Total Depth: 4255.00 ft (KB) (TVD)

3101.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8671

Inside

Press @ Run Depth: 765.42 psig @ 4206.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.08

End Date:

2013.10.08

Last Calib.:

2013.10.08

Start Time: 15:00:05

End Time:

22:27:29

Time On Btm:

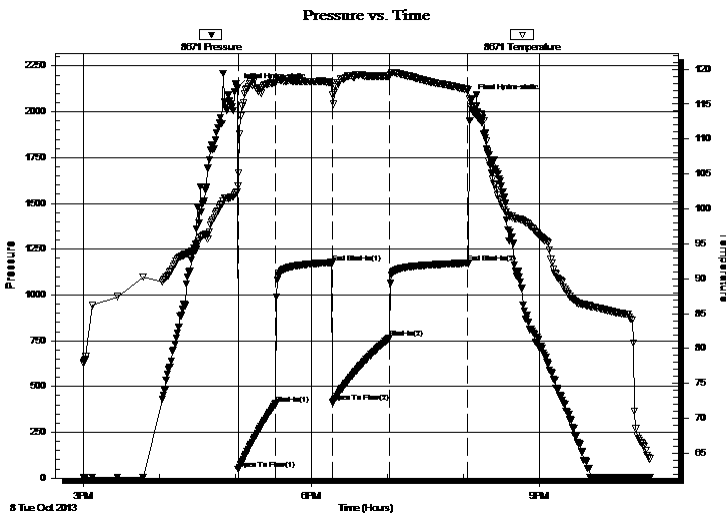
2013.10.08 @ 17:01:30

Time Off Btm:

2013.10.08 @ 20:06:00

TEST COMMENT: 30 - IF: Blow built to BOB (11") in 3 1/4 min.
45 - IS: No blow back
45 - FF: Blow built to BOB in 4 1/4 min.
60 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2131.36	102.36	Initial Hydro-static
1	46.53	103.29	Open To Flow (1)
31	405.98	118.03	Shut-In(1)
75	1177.30	118.10	End Shut-In(1)
76	413.44	116.27	Open To Flow (2)
121	765.42	119.04	Shut-In(2)
182	1173.76	117.08	End Shut-In(2)
185	2072.24	114.56	Final Hydro-static

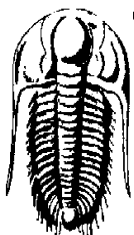
Recovery

Length (ft)	Description	Volume (bbl)
1585.00	Water w/trace oil 97%w , 3%m	22.23
95.00	M CW w/trace oil 81%w , 19%m	1.33
0.00	very low lever H2S gas throughout	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.

1616 S Voss Rd STE 600
Houston, TX 77057

ATTN: Terry McLeod

1-17s-34w Scott KS

Beeson #1-1

Job Ticket: 55098

DST#: 3

Test Start: 2013.10.08 @ 15:00:00

GENERAL INFORMATION:

Formation: **LKC "H - I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:02:00

Time Test Ended: 22:27:30

Interval: 4205.00 ft (KB) To 4255.00 ft (KB) (TVD)

Total Depth: 4255.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Reference Elevations: 3106.00 ft (KB)

3101.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320

Outside

Press @RunDepth: psig @ 4206.00 ft (KB)

Start Date: 2013.10.08 End Date: 2013.10.08

Start Time: 15:00:05 End Time: 22:28:14

Capacity: 8000.00 psig

Last Calib.: 2013.10.08

Time On Btm:

Time Off Btm:

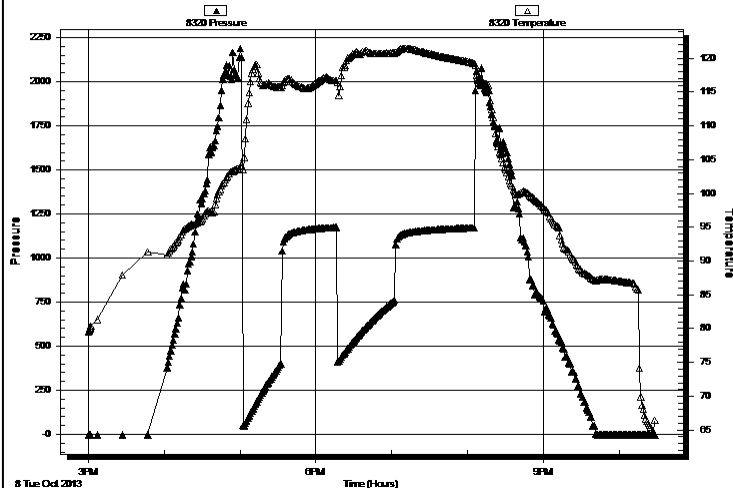
TEST COMMENT: 30 - IF: Blow built to BOB (11") in 3 1/4 min.

45 - ISI: No blow back

45 - FF: Blow built to BOB in 4 1/4 min.

60 - FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1585.00	Water w/trace oil 97%w , 3%m	22.23
95.00	M CW w/trace oil 81%w , 19%m	1.33
0.00	very low lever H2S gas throughout	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 #1-1

Job Ticket: 55098

DST#: 3

ATTN: Terry McLeod

Test Start: 2013.10.08 @ 15:00:00

Tool Information

Drill Pipe:	Length: 4190.00 ft	Diameter: 3.80 inches	Volume: 58.77 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 84000.00 lb
			Total Volume: 58.77 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4205.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			4187.00	
Hydraulic tool	5.00			4192.00	
Safety Joint	3.00			4195.00	
Packer	5.00			4200.00	23.00 Bottom Of Top Packer
Packer	5.00			4205.00	
Stubb	1.00			4206.00	
Recorder	0.00	8671	Inside	4206.00	
Recorder	0.00	8320	Outside	4206.00	
Perforations	10.00			4216.00	
Blank Spacing	33.00			4249.00	
Perforations	3.00			4252.00	
Bullnose	3.00			4255.00	50.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**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 #1-1

Job Ticket: 55098

DST#: 3

ATTN: Terry McLeod

Test Start: 2013.10.08 @ 15:00:00

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:

39000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1585.00	Water w/trace oil 97%w , 3%m	22.233
95.00	MCW w/trace oil 81%w , 19%m	1.333
0.00	very low lever H2S gas throughout	0.000

Total Length: 1680.00 ft Total Volume: 23.566 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

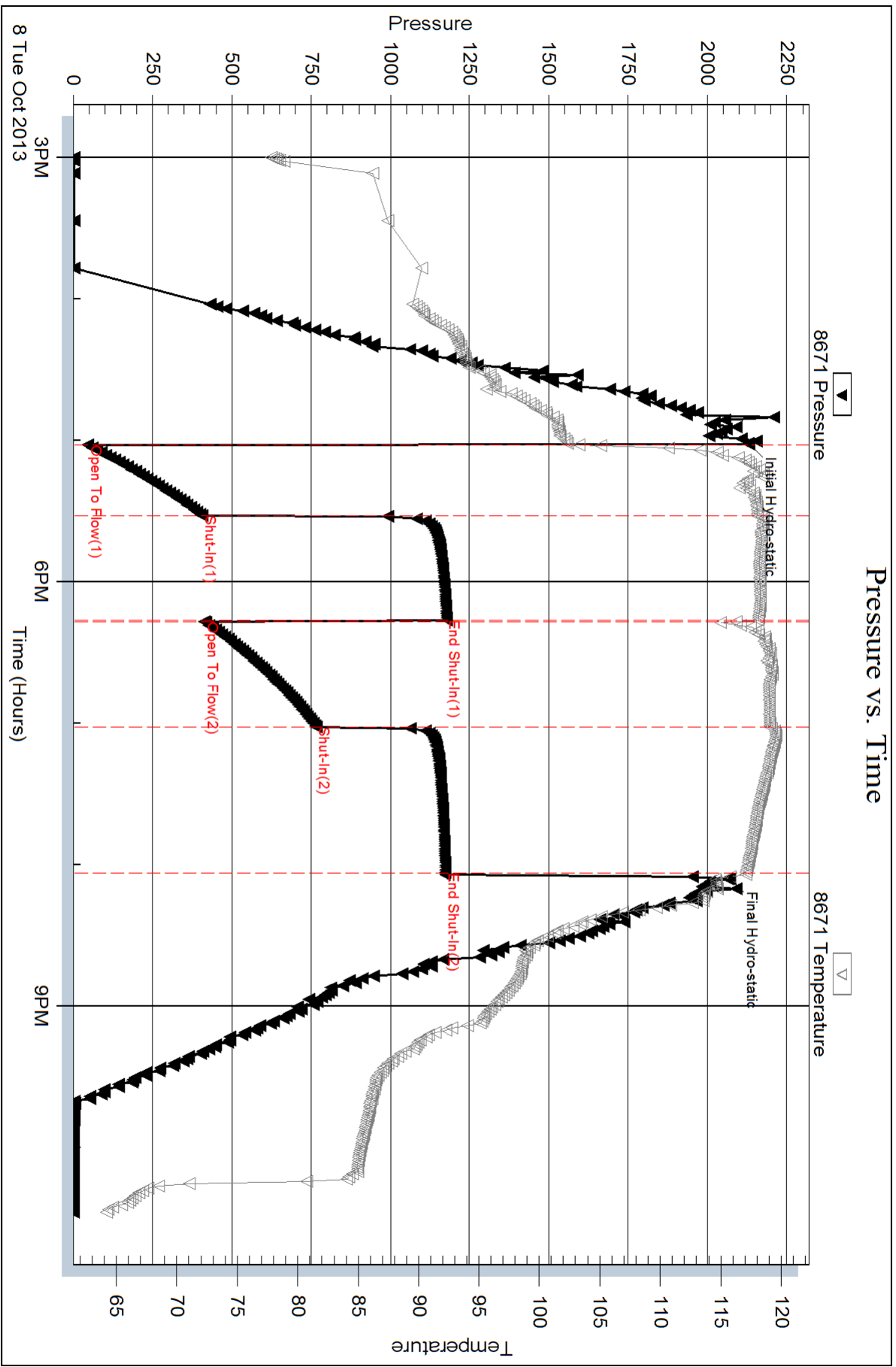
Serial #:

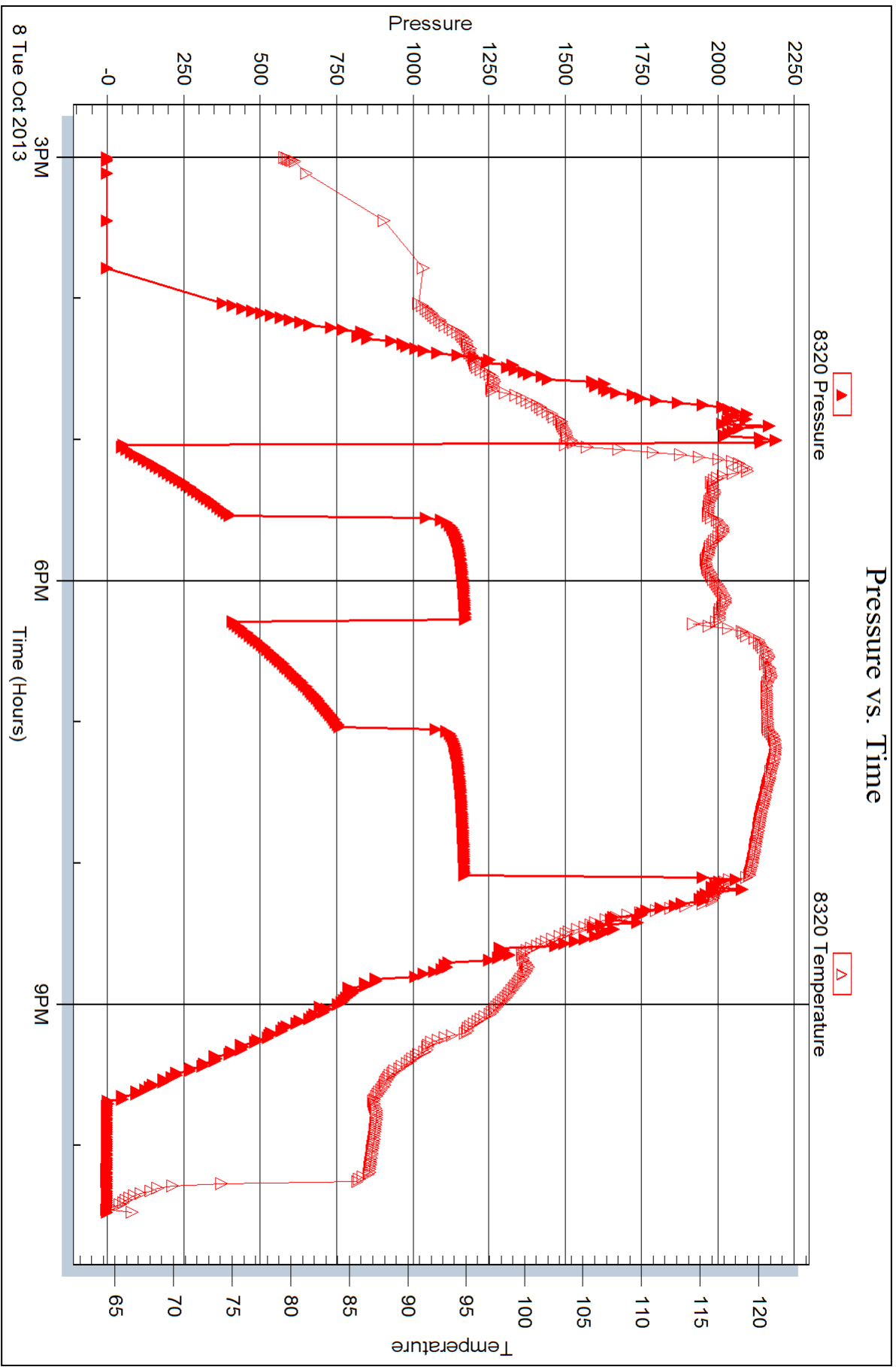
Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .205 ohms @ 64.4 deg F

Chlorides = 39,000 ppm







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc.**

1616 S Voss Rd STE 600
Houston, TX 77057

ATTN: Terry McLeod

Beeson #1-1

1-17s-34w Scott KS

Start Date: 2013.10.09 @ 17:40:00

End Date: 2013.10.10 @ 02:45:00

Job Ticket #: 55514 DST #: 4

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

Printed: 2013.10.14 @ 13:44:43



**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 #1-1

Job Ticket: 55514

DST#: 4

ATTN: Terry McLeod

Test Start: 2013.10.09 @ 17:40:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:59:15

Time Test Ended: 02:45:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 4419.00 ft (KB) To 4445.00 ft (KB) (TVD)

Reference Elevations: 3106.00 ft (KB)

Total Depth: 4445.00 ft (KB) (TVD)

3101.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8677 Inside

Press @ Run Depth: 1305.43 psig @ 4420.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.09

End Date:

2013.10.10

Last Calib.: 2013.10.10

Start Time: 17:40:05

End Time:

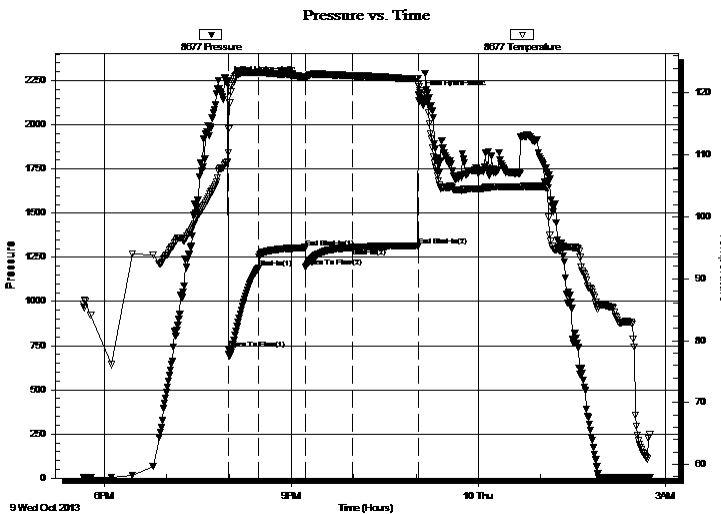
02:45:00

Time On Btm: 2013.10.09 @ 19:58:45

Time Off Btm: 2013.10.09 @ 23:02:30

TEST COMMENT: IF: BOB @ 20 sec.
IS: BOB @ 45 sec. Gas to surface during bleed off.
FF: BOB @ 45 sec. receded to 5" blow.
FS: 2" return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2248.89	108.78	Initial Hydro-static
1	728.24	110.31	Open To Flow (1)
30	1187.79	123.25	Shut-In(1)
75	1305.21	122.57	End Shut-In(1)
75	1196.90	122.51	Open To Flow (2)
120	1305.43	122.78	Shut-In(2)
184	1314.51	122.27	End Shut-In(2)
184	2171.12	121.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 30g 20o 50m	1.68
3660.00	go 35g 65o	51.34

* 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-34w Scott KS

1616 S Voss Rd STE 600
Houston, TX 77057

Beeson #1-1

Job Ticket: 55514 **DST#: 4**

ATTN: Terry McLeod

Test Start: 2013.10.09 @ 17:40:00

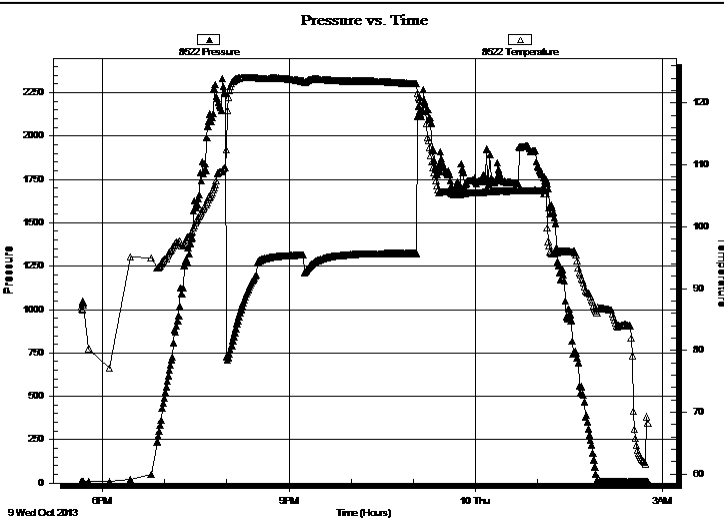
GENERAL INFORMATION:

Formation:	Marmaton		
Deviated:	No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened:	19:59:15		Tester: Bradley Walter
Time Test Ended:	02:45:00		Unit No: 69
Interval:	4419.00 ft (KB) To 4445.00 ft (KB) (TVD)		Reference Elevations: 3106.00 ft (KB)
Total Depth:	4445.00 ft (KB) (TVD)		3101.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition: Fair	KB to GR/CF: 5.00 ft

Serial #: 8522 Outside

Press @ RunDepth:	psig @	4420.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2013.10.09	End Date:	2013.10.10	Last Calib.:	2013.10.10
Start Time:	17:40:05	End Time:	02:46:15	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF: BOB @ 20 sec.
 IS: BOB @ 45 sec. Gas to surface during bleed off.
 FF: BOB @ 45 sec. receded to 5" blow.
 FS! 2" return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 30g 20o 50m	1.68
3660.00	go 35g 65o	51.34

* 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-34w Scott KS

1616 S Voss Rd STE 600
Houston, TX 77057

Beeson #1-1

Job Ticket: 55514

DST#: 4

ATTN: Terry McLeod

Test Start: 2013.10.09 @ 17:40:00

Tool Information

Drill Pipe:	Length: 4414.00 ft	Diameter: 3.80 inches	Volume: 61.92 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 95000.00 lb
			Total Volume: 61.92 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4419.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	48.00 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			4398.00	
Shut In Tool	5.00			4403.00	
Hydraulic tool	5.00			4408.00	
Safety Joint	2.00			4410.00	
Packer	5.00			4415.00	22.00 Bottom Of Top Packer
Packer	4.00			4419.00	
Stubb	1.00			4420.00	
Recorder	0.00	8677	Inside	4420.00	
Recorder	0.00	8522	Outside	4420.00	
Perforations	22.00			4442.00	
Bullnose	3.00			4445.00	26.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**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 #1-1

Job Ticket: 55514

DST#: 4

ATTN: Terry McLeod

Test Start: 2013.10.09 @ 17:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 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: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gocm 30g 20o 50m	1.683
3660.00	go 35g 65o	51.340

Total Length: 3780.00 ft Total Volume: 53.023 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

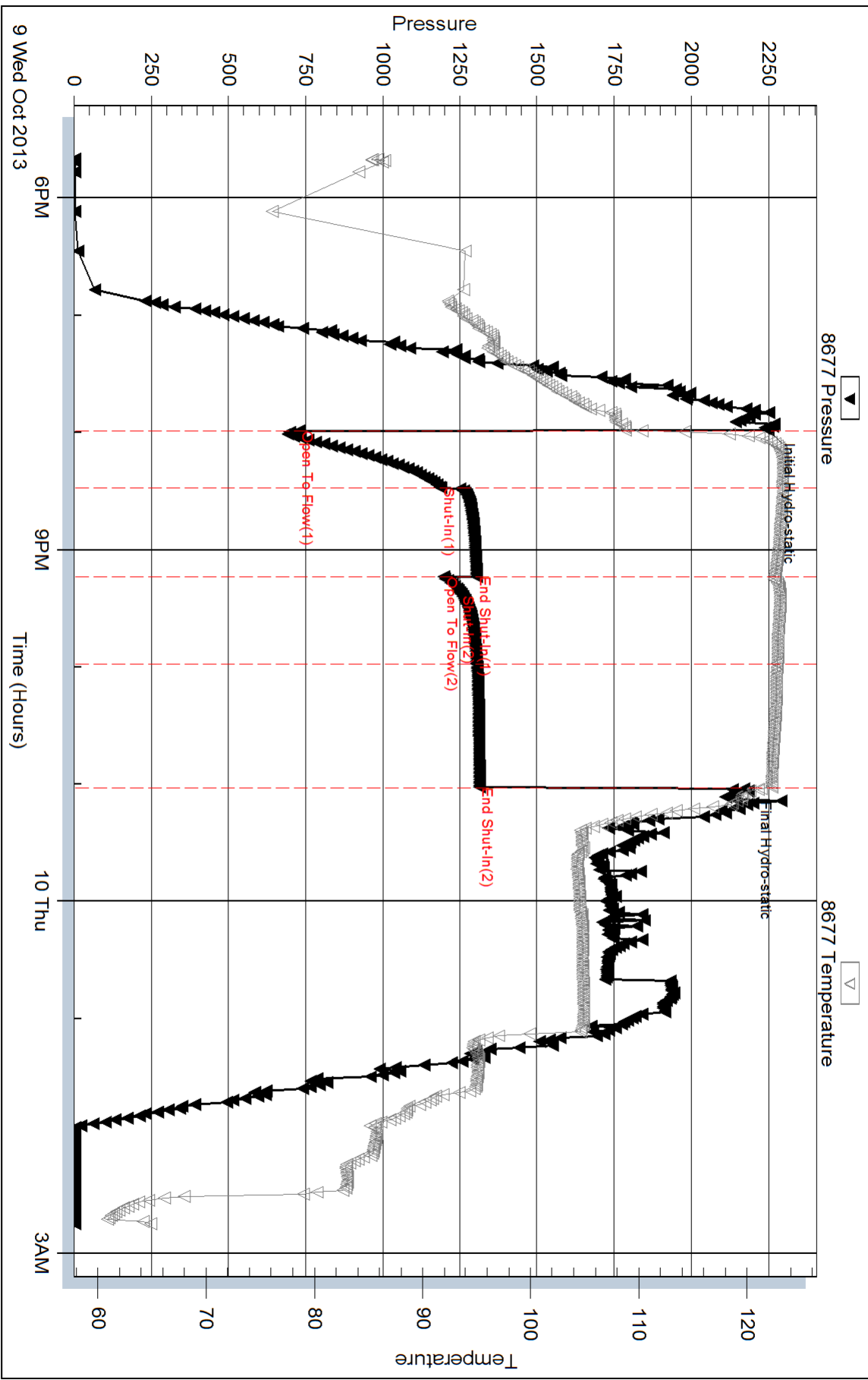
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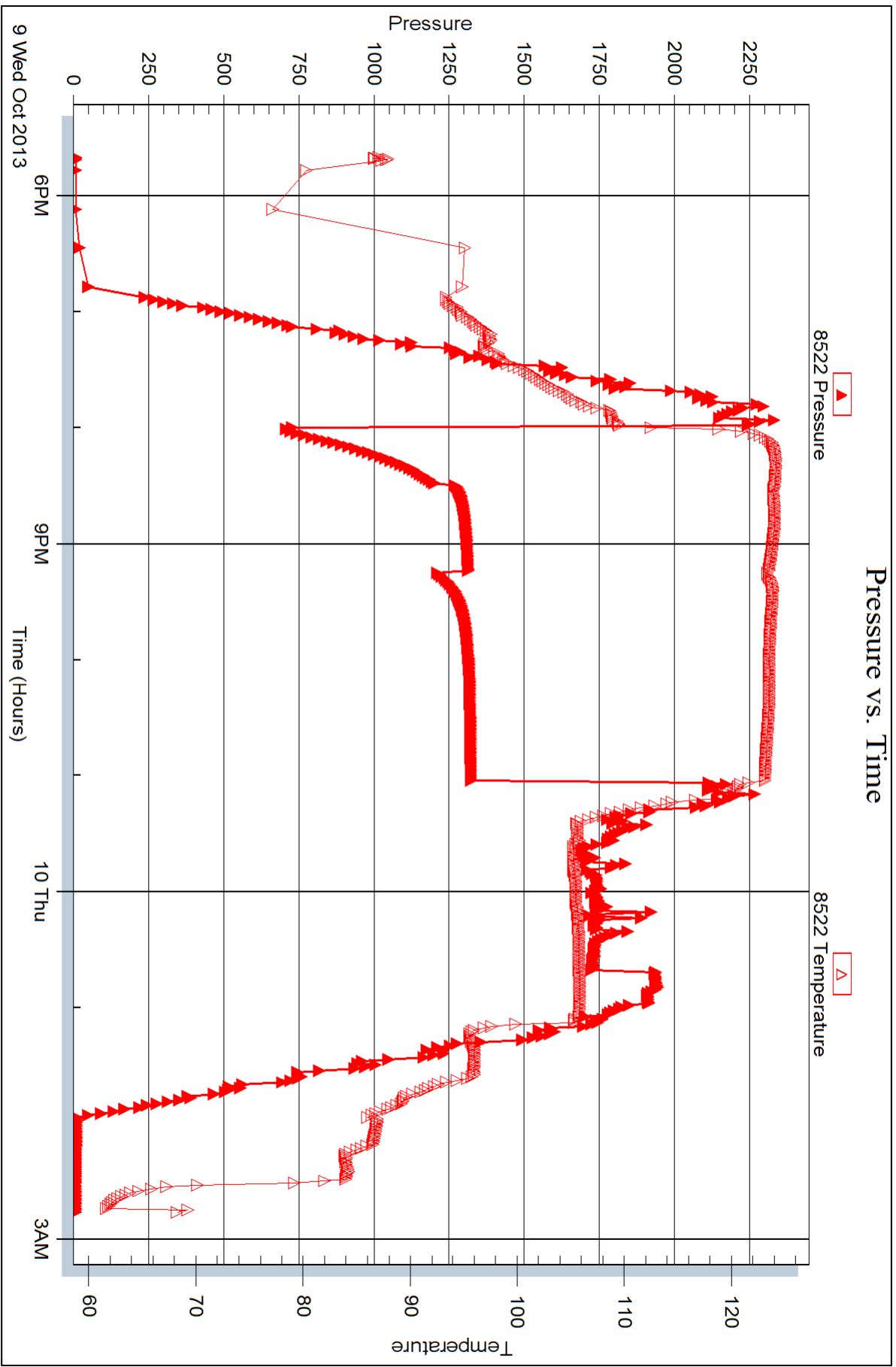
Laboratory Name:

Laboratory Location:

Recovery Comments: GAS to surface @ ISI

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc.**

1616 S Voss Rd STE 600
Houston, TX 77057

ATTN: Terry McLeod

Beeson #1-1

1-17s-34w Scott KS

Start Date: 2013.10.10 @ 11:40:00

End Date: 2013.10.10 @ 20:42:00

Job Ticket #: 55515 DST #: 5

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

Printed: 2013.10.14 @ 13:44:06



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 #1-1

Job Ticket: 55515

DST#: 5

ATTN: Terry McLeod

Test Start: 2013.10.10 @ 11:40:00

GENERAL INFORMATION:

Formation: **Altamont.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:45:15

Time Test Ended: 20:42:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 4449.00 ft (KB) To 4475.00 ft (KB) (TVD)

Total Depth: 4475.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3106.00 ft (KB)

3101.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8677 Inside

Press @ Run Depth: 691.28 psig @ 4450.00 ft (KB)

Start Date: 2013.10.10

End Date: 2013.10.10

Start Time: 11:40:05

End Time: 20:42:00

Capacity: 8000.00 psig

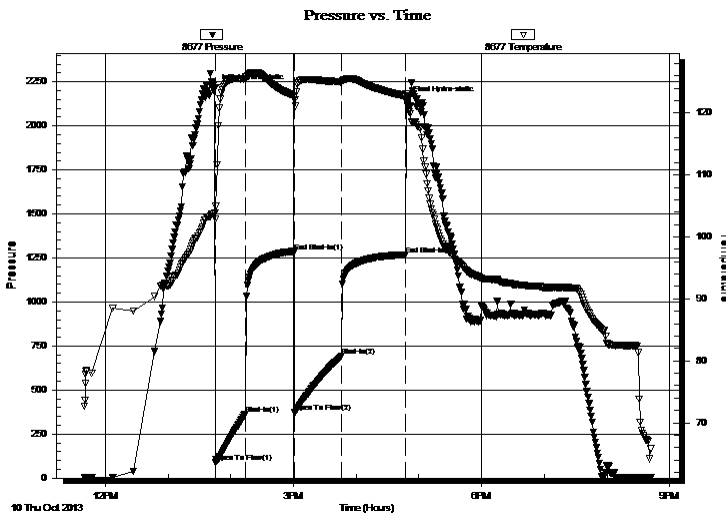
Last Calib.: 2013.10.10

Time On Btm: 2013.10.10 @ 13:45:00

Time Off Btm: 2013.10.10 @ 16:48:00

TEST COMMENT: IF: BOB @ 1 min.
IS: BOB @ 10 min.
FF: BOB @ 2 min.
FS: 4" return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2212.84	103.79	Initial Hydro-static
1	87.05	102.81	Open To Flow (1)
29	364.43	125.46	Shut-In(1)
76	1284.18	122.68	End Shut-In(1)
77	372.83	122.13	Open To Flow (2)
121	691.28	124.99	Shut-In(2)
183	1267.44	122.74	End Shut-In(2)
183	2142.66	123.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 20g 20o 60m	1.68
1750.00	go 30g 70o	24.55

Gas Rates

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

* Recovery from multiple tests



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 #1-1

ATTN: Terry McLeod

Job Ticket: 55515

DST#: 5

Test Start: 2013.10.10 @ 11:40:00

GENERAL INFORMATION:

Formation: **Altamont.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:45:15

Time Test Ended: 20:42:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4449.00 ft (KB) To 4475.00 ft (KB) (TVD)**

Total Depth: 4475.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3106.00 ft (KB)

3101.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: **8522** Outside

Press @ Run Depth: psig @ 4450.00 ft (KB)

Start Date: 2013.10.10

End Date: 2013.10.10

Start Time: 11:40:05

End Time: 20:41:45

Capacity: 8000.00 psig

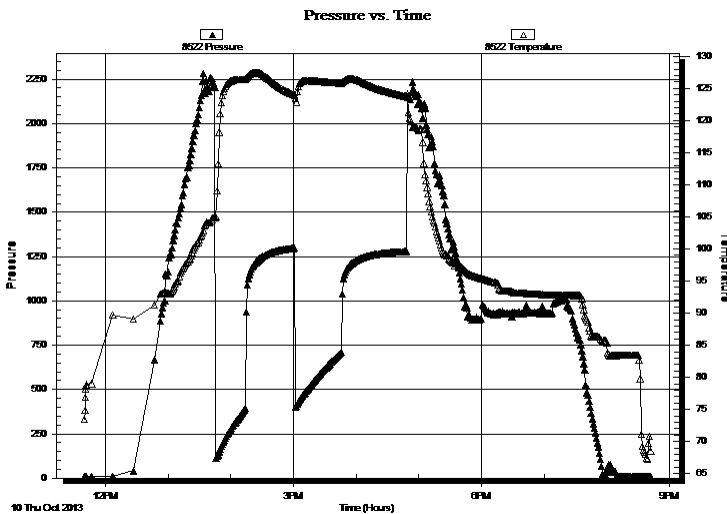
Last Calib.: 2013.10.10

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 1 min.
IS: BOB @ 10 min.
FF: BOB @ 2 min.
FS: 4" return

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 20g 20o 60m	1.68
1750.00	go 30g 70o	24.55

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 #1-1

Job Ticket: 55515

DST#: 5

ATTN: Terry McLeod

Test Start: 2013.10.10 @ 11:40:00

Tool Information

Drill Pipe:	Length: 4446.00 ft	Diameter: 3.80 inches	Volume: 62.37 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 62.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4449.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	48.00 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			4428.00	
Shut In Tool	5.00			4433.00	
Hydraulic tool	5.00			4438.00	
Safety Joint	2.00			4440.00	
Packer	5.00			4445.00	22.00 Bottom Of Top Packer
Packer	4.00			4449.00	
Stubb	1.00			4450.00	
Recorder	0.00	8677	Inside	4450.00	
Recorder	0.00	8522	Outside	4450.00	
Perforations	22.00			4472.00	
Bullnose	3.00			4475.00	26.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**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 #1-1

Job Ticket: 55515

DST#: 5

ATTN: Terry McLeod

Test Start: 2013.10.10 @ 11:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gocm 20g 20o 60m	1.683
1750.00	go 30g 70o	24.548

Total Length: 1870.00 ft Total Volume: 26.231 bbl

Num Fluid Samples: 0

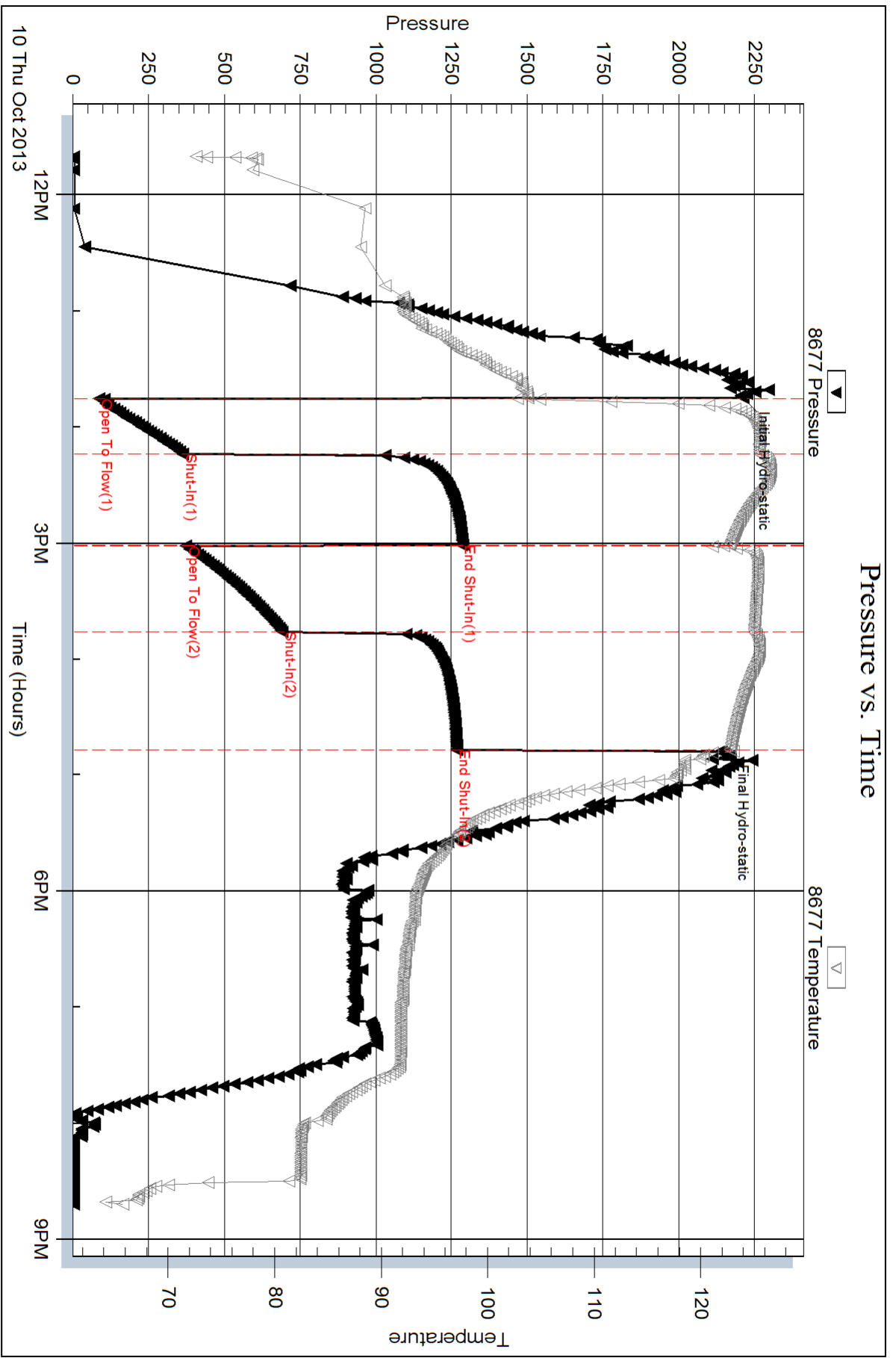
Num Gas Bombs: 0

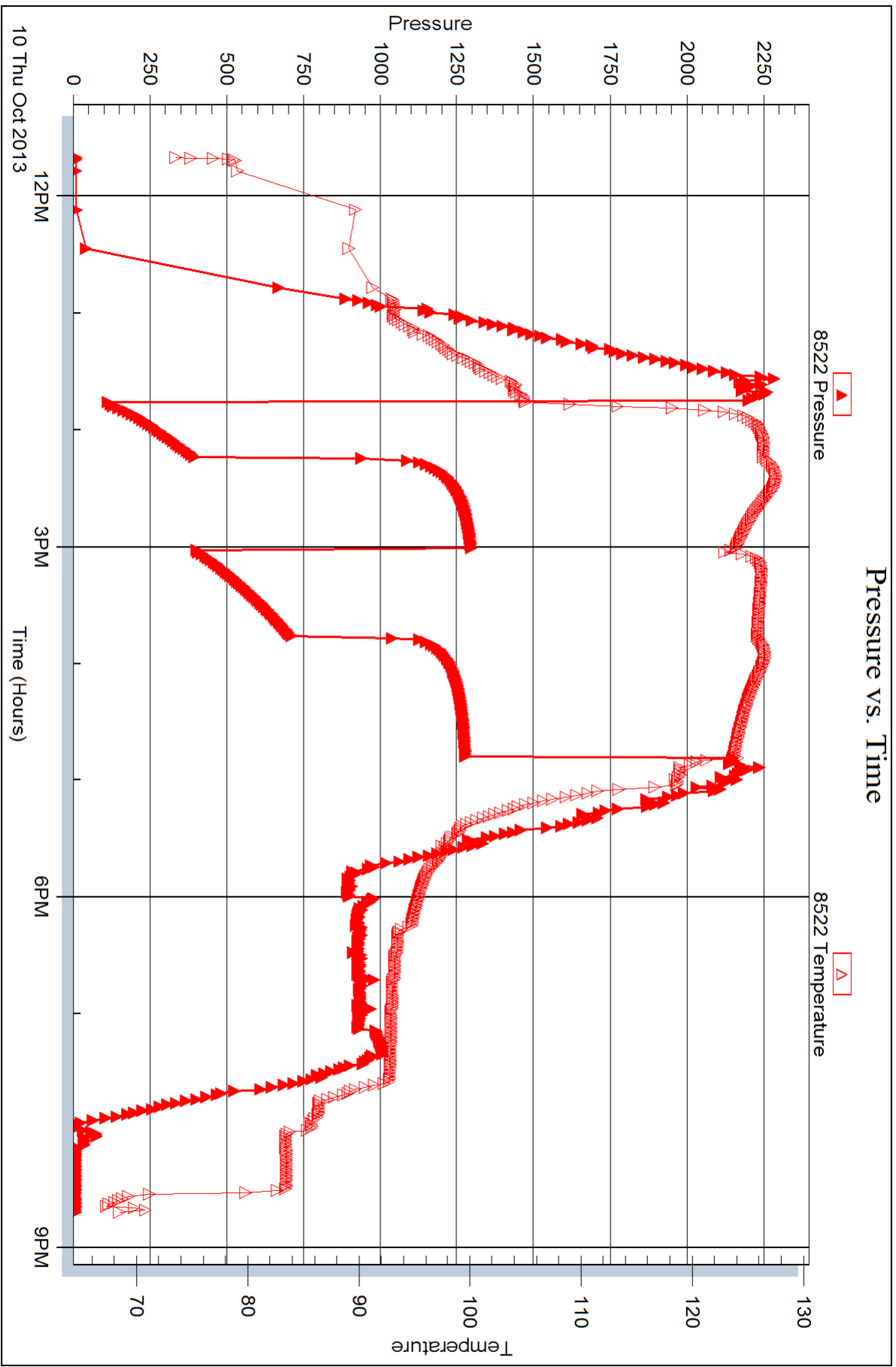
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gas to surface on ISI







DRILL STEM TEST REPORT

Prepared For: **Landmark Resources, Inc.**

1616 S Voss Rd STE 600
Houston, TX 77057

ATTN: Terry McLeod

Beeson #1-1

1-17s-34w Scott KS

Start Date: 2013.10.12 @ 03:32:00

End Date: 2013.10.12 @ 11:21:15

Job Ticket #: 55516 DST #: 6

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

Printed: 2013.10.14 @ 13:43:25



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 #1-1

Job Ticket: 55516

DST#: 6

ATTN: Terry McLeod

Test Start: 2013.10.12 @ 03:32:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:59:15

Time Test Ended: 11:21:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 4608.00 ft (KB) To 4720.00 ft (KB) (TVD)

Total Depth: 4720.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3106.00 ft (KB)

3101.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8677 Inside

Press @ Run Depth: 96.62 psig @ 4609.00 ft (KB)

Start Date: 2013.10.12

End Date:

2013.10.12

Start Time: 03:32:05

End Time:

11:21:14

Capacity: 8000.00 psig

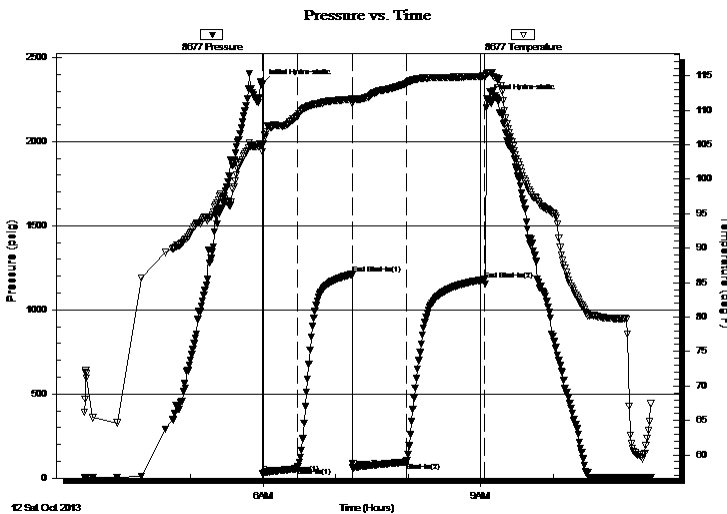
Last Calib.: 2013.10.12

Time On Btm: 2013.10.12 @ 05:59:00

Time Off Btm: 2013.10.12 @ 09:05:15

TEST COMMENT: IF: BOB @ 15 min.
IS: No return.
FF: BOB @ 11 min.
FS: 1" return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2343.19	104.89	Initial Hydro-static
1	29.31	103.99	Open To Flow (1)
30	63.25	109.12	Shut-In(1)
75	1210.65	111.59	End Shut-In(1)
75	63.58	111.35	Open To Flow (2)
120	96.62	113.84	Shut-In(2)
184	1180.04	114.93	End Shut-In(2)
187	2257.06	115.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
165.00	gocm 5g 25o 70m	2.31
0.00	315' GIP	0.00

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

ATTN: Terry McLeod

1-17s-34w Scott KS

Beeson #1-1

Job Ticket: 55516

DST#: 6

Test Start: 2013.10.12 @ 03:32:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:59:15

Time Test Ended: 11:21:15

Interval: **4608.00 ft (KB) To 4720.00 ft (KB) (TVD)**

Total Depth: 4720.00 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: 3106.00 ft (KB)

3101.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8522 **Outside**

Press @RunDepth: psig @ 4609.00 ft (KB)

Start Date: 2013.10.12

End Date: 2013.10.12

Capacity: 8000.00 psig

Last Calib.: 2013.10.12

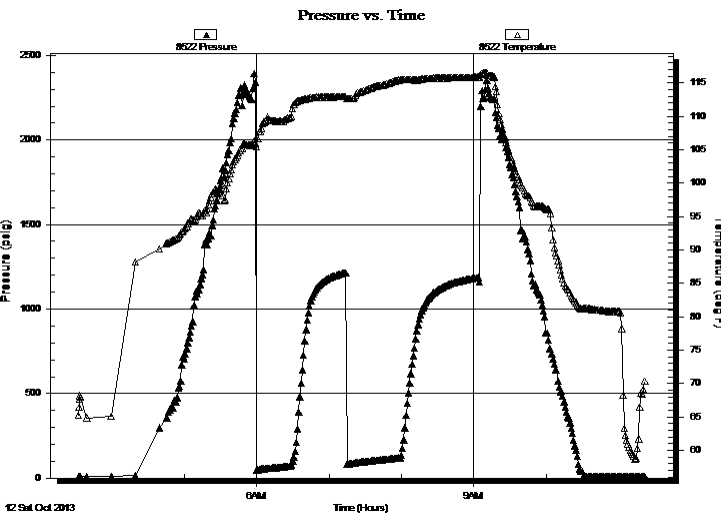
Start Time: 03:32:05

End Time: 11:22:29

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: BOB @ 15 min.
IS: No return.
FF: BOB @ 11 min.
FS: 1" return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
165.00	gocm 5g 25o 70m	2.31
0.00	315' 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 #1-1

Job Ticket: 55516

DST#: 6

ATTN: Terry McLeod

Test Start: 2013.10.12 @ 03:32:00

Tool Information

Drill Pipe:	Length: 4604.00 ft	Diameter: 3.80 inches	Volume: 64.58 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 64.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4608.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	112.00 ft			
Tool Length:	134.00 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			4587.00	
Shut In Tool	5.00			4592.00	
Hydraulic tool	5.00			4597.00	
Safety Joint	2.00			4599.00	
Packer	5.00			4604.00	22.00 Bottom Of Top Packer
Packer	4.00			4608.00	
Stubb	1.00			4609.00	
Recorder	0.00	8677	Inside	4609.00	
Recorder	0.00	8522	Outside	4609.00	
Perforations	11.00			4620.00	
Change Over Sub	1.00			4621.00	
Drill Pipe	95.00			4716.00	
Change Over Sub	1.00			4717.00	
Bullnose	3.00			4720.00	112.00 Bottom Packers & Anchor

Total Tool Length: 134.00



**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 #1-1

Job Ticket: 55516

DST#: 6

ATTN: Terry McLeod

Test Start: 2013.10.12 @ 03:32:00

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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
165.00	gocm 5g 25o 70m	2.315
0.00	315' GIP	0.000

Total Length: 165.00 ft Total Volume: 2.315 bbl

Num Fluid Samples: 0

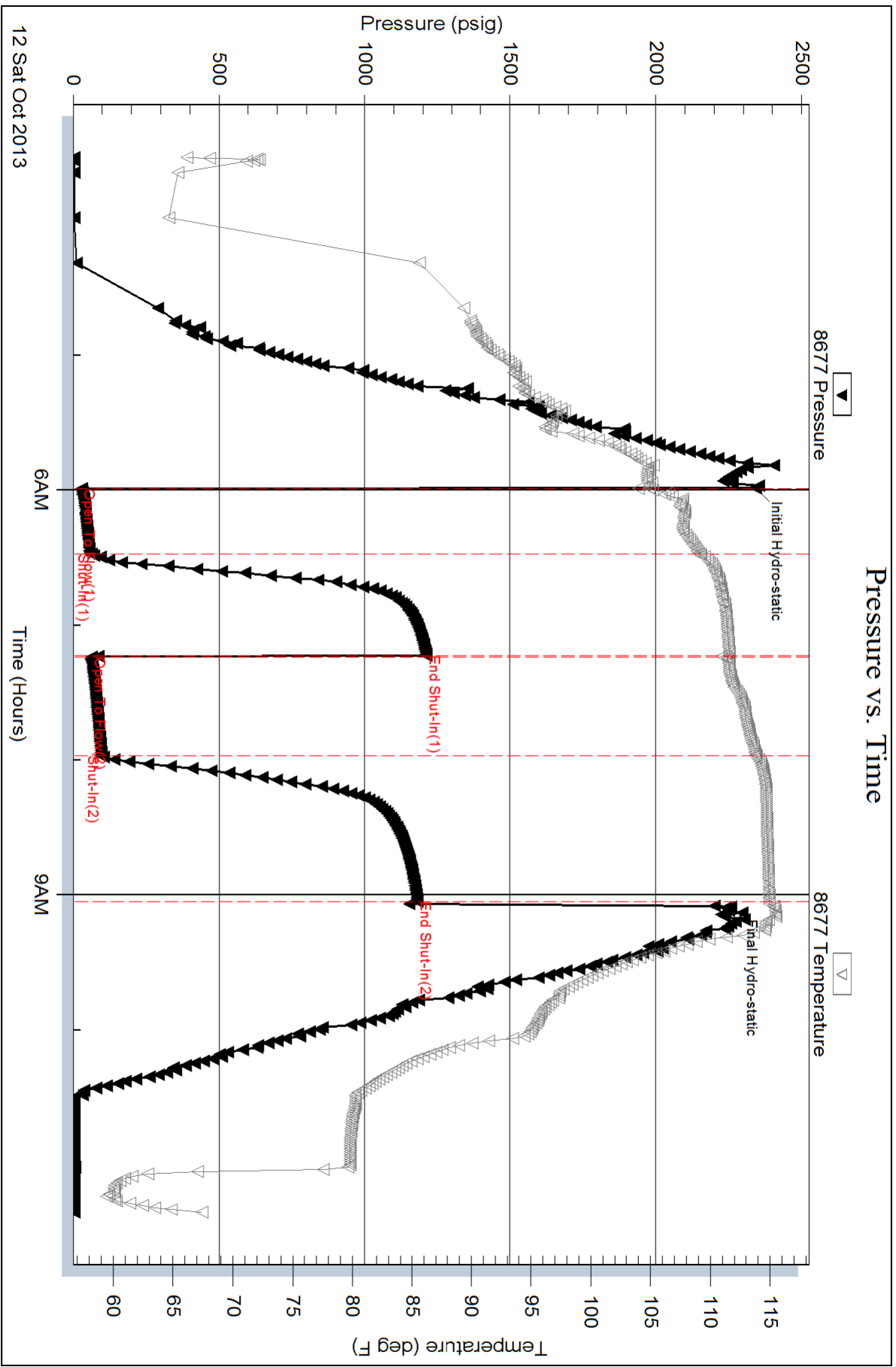
Num Gas Bombs: 0

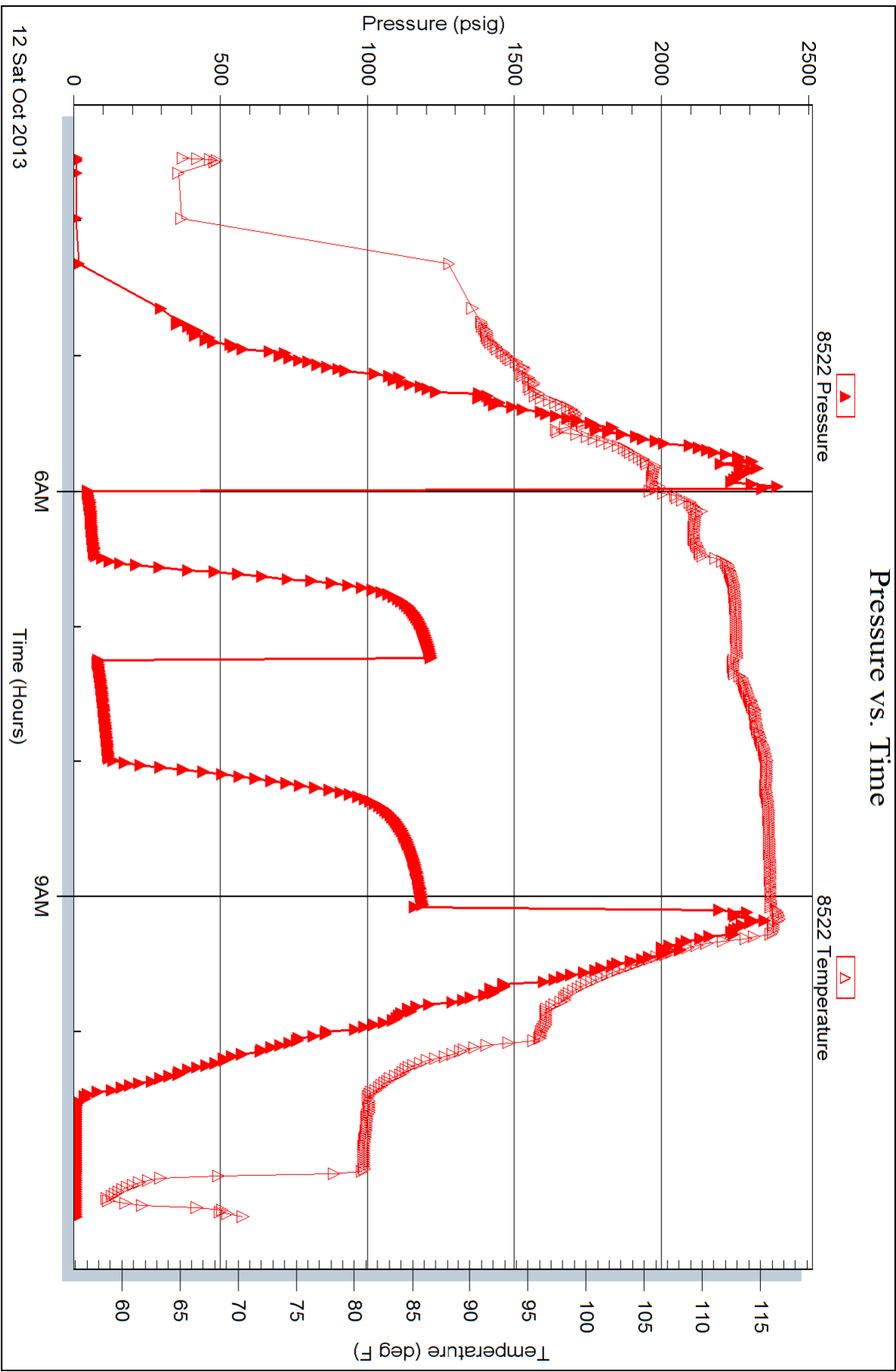
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55096

Well Name & No. Beeson #1-1 Test No. 1 Date 10-6-13
 Company Landmark Resources Inc Elevation 3106 KB 3101 GL
 Address 1616 S Voss Rd STE 600 Houston, TX 77057
 Co. Rep / Geo. Terry McLeod Rig LD #1
 Location: Sec. 1 Twp. 17s Rge. 34w Co. Scott State KS

Interval Tested 4002-4030 Zone Tested Lans "A"
 Anchor Length 28 Drill Pipe Run 3999 Mud Wt. 8.8
 Top Packer Depth 3997 Drill Collars Run - Vis 54
 Bottom Packer Depth 4002 Wt. Pipe Run - WL 8.8
 Total Depth 4030 Chlorides 4000 ppm System LCM 1

Blow Description IF: Blow built to BOB (11") in 8 min.
ISI: No blowback
FF: Blow built to BOB in 9 1/4 min.
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>MCW w/trace of oil</u>	<u>-</u>	<u>trace</u>	<u>72</u>	<u>28</u>
<u>125</u>	<u>SMCW w/trace of oil</u>	<u>-</u>	<u>trace</u>	<u>93</u>	<u>7</u>
<u>640</u>	<u>Water w/trace of oil</u>	<u>-</u>	<u>trace</u>	<u>98</u>	<u>2</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 795 BHT 115 Gravity - API RW 163 @ 44.5 °F Chlorides 76,000 ppm

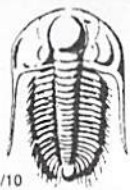
(A) Initial Hydrostatic 1965 Test * 1250 T-On Location 18:00 10/6
 (B) First Initial Flow 26 Jars _____ T-Started 19:02
 (C) First Final Flow 192 Safety Joint * 75 T-Open 21:11
 (D) Initial Shut-In 1073 Circ Sub * NA T-Pulled 00:13
 (E) Second Initial Flow 193 Hourly Standby _____ T-Out 2:15 10/7
 (F) Second Final Flow 389 Mileage 34RT 52.7 Comments 105 mi OW from
 (G) Final Shut-In 1058 Sampler _____ Oberlin / Stay at Scott Shop
 (H) Final Hydrostatic 1930 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1377.70
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 1377.70

Approved By Terry L. McLeod Our Representative James Winkler

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.

Terry L.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55097**

Well Name & No. Beeson #1-1 Test No. 2 Date 10-7-13
 Company Landmark Resources Inc. Elevation 3106 KB 3101 GL
 Address 1616 S. Voss Rd STE 600 Houston TX 77057
 Co. Rep / Geo. Terry McLeod Rig LD #1
 Location: Sec. 1 Twp. 17s Rge. 34w Co. Scott State KS

Interval Tested 4041-4060 Zone Tested Lans. "C"
 Anchor Length 19 Drill Pipe Run 4030 Mud Wt. 9.1
 Top Packer Depth 4036 Drill Collars Run - Vis 54
 Bottom Packer Depth 4041 Wt. Pipe Run - WL 10.4
 Total Depth 406 Chlorides 5400 ppm System LCM 1

Blow Description IF: Blow built to BOB (11") in 17 3/4 min.
ISI: No blowback
FF: Blow built to BOB in 18 1/4 min.
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>mcw w/o/s</u>	<u>-</u>	<u>2</u>	<u>74</u>	<u>24</u>
<u>63</u>	<u>mcw w/Trace of oil</u>	<u>%gas trace</u>	<u>%oil</u>	<u>66</u>	<u>34</u>
<u>372</u>	<u>Water w/trace of oil</u>	<u>%gas trace</u>	<u>%oil</u>	<u>94</u>	<u>6</u>
<u>10</u>	<u>WM w/trace of oil</u>	<u>%gas trace</u>	<u>%oil</u>	<u>47</u>	<u>53</u>
<u>Rec</u>	<u>Feet of</u>	<u>%gas</u>	<u>%oil</u>	<u>%water</u>	<u>%mud</u>
	<u>A Few inches of Free Oil on top</u>				

Rec Total 450 BHT 115 Gravity - API RW 157 @ 86.8 °F Chlorides 38,000 ppm

(A) Initial Hydrostatic 1999 Test ★ 1250 T-On Location 8:40
 (B) First Initial Flow 21 Jars # T-Started 7:30
 (C) First Final Flow 101 Safety Joint ★ 75 T-Open 11:14
 (D) Initial Shut-In 1094 Circ Sub ★ NA T-Pulled 14:14
 (E) Second Initial Flow 102 Hourly Standby _____ T-Out 16:10
 (F) Second Final Flow 221 Mileage 34RT 52.70 Comments Stayed at Scott Shop
 (G) Final Shut-In 1092 Sampler _____
 (H) Final Hydrostatic 1941 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 0
 Total 1377.70
 MP/DST Disc't _____
 Sub Total 1377.70

Approved By Jay K. McLeod Our Representative James Winder

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55098

Well Name & No. Beeson #1-1 Test No. 3 Date 10-8-13
 Company Landmark Resources Inc Elevation 3106 KB 3101 GL
 Address 1616 S Voss Rd STE 600 Houston TX 77057
 Co. Rep / Geo. Terry McLeod Rig LD #1
 Location: Sec. 1 Twp. 17s Rge. 34w Co. Scott State KS

Interval Tested 4205-4255 Zone Tested LKC "H-I"
 Anchor Length 50 Drill Pipe Run 4190 Mud Wt. 9.3
 Top Packer Depth 4200 Drill Collars Run - Vis 55
 Bottom Packer Depth 4205 Wt. Pipe Run - WL 9.6
 Total Depth 4255 Chlorides 6000 ppm System LCM 1
 Blow Description IF: Blow built to BOB (11") in 3 1/4 min
ISI: No blowback
FF: Blow built to BOB in 4 1/4 min.
FSI:

Rec	Feet of	%gas	%oil	%water	%mud
<u>95</u>	<u>mcw w/trace of oil</u>	<u>trace</u>	<u>81</u>	<u>19</u>	
<u>1585</u>	<u>Water w/trace of oil</u>	<u>trace</u>	<u>97</u>	<u>3</u>	
	<u>Very low level H₂S</u>				

Rec Total 1680 BHT 117 Gravity - API RW 205 @ 64.4° F Chlorides 39,000 ppm

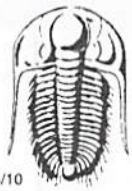
(A) Initial Hydrostatic 2131 Test 1250 T-On Location 12:15
 (B) First Initial Flow 47 Jars T-Started 15:00
 (C) First Final Flow 406 Safety Joint 75 T-Open 17:02
 (D) Initial Shut-In 1177 Circ Sub ANA T-Pulled 20:03
 (E) Second Initial Flow 413 Hourly Standby 1hr T-Out ~~20:03~~ 22:20
 (F) Second Final Flow 765 Mileage 34RT 52.70 Comments Rig had to short
 (G) Final Shut-In 1174 Sampler me know
 (H) Final Hydrostatic 2072 Straddle me know
 Ruined Shale Packer
 Ruined Packer
 Extra Copies

Initial Open 30 Extra Packer
 Initial Shut-In 45 Extra Recorder
 Final Flow 45 Day Standby
 Final Shut-In 60 Accessibility

Sub Total 1377.70 Total 1377.70 MP/DST Disc't

Approved By Terry McLeod Our Representative James Winder

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55514

Well Name & No. Beeson # 1-1 Test No. 4 Date 10/10/13
 Company Landmark Resources, Inc Elevation 3106 KB 3101 GL
 Address 1616 S Voss Rd STE 600 Houston, Tx 77057
 Co. Rep / Geo. Terry McLeod Rig LD
 Location: Sec. 1/175 Twp. 175 Rge. 34W Co. Scott State Ks

Interval Tested 4419-4445 Zone Tested Marmaton
 Anchor Length 26' Drill Pipe Run 4414 Mud Wt. 9.1
 Top Packer Depth 4414 Drill Collars Run 0 Vis 50
 Bottom Packer Depth 4419 Wt. Pipe Run 0 WL 10.4
 Total Depth 4445 Chlorides 7000 ppm System LCM 1#

Blow Description IFI: BOB @ 20 sec
ISI: BOB @ 1 min ~ Gas to Surface @ bleedoff
FFI: BOB @ 45 sec receded to 5"
FSI: 2" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>3660</u>	<u>60</u>	<u>35%</u>	<u>65%</u>		
<u>120</u>	<u>GOCM</u>	<u>30%</u>	<u>20%</u>		<u>50%</u>
		%gas	%oil	%water	%mud
	<u>Gas to surface</u>	%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud

Rec Total 3780 BHT 122 Gravity 36 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2249 Test 1250 T-On Location 1700
 (B) First Initial Flow 728 Jars _____ T-Started 1740
 (C) First Final Flow 1188 Safety Joint 75 T-Open 1959
 (D) Initial Shut-In 1305 Circ Sub dropped 50 T-Pulled 2259
 (E) Second Initial Flow 1197 Hourly Standby _____ T-Out 0246
 (F) Second Final Flow 1305 Mileage 35 RT 52.70 Comments Dropped bar
 (G) Final Shut-In 1315 Sampler _____
 (H) Final Hydrostatic 2171 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1427.70
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1427.70

Approved By Terry McLeod Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55515

Well Name & No. Beeson #1-1 Test No. 5 Date 10/10/13
 Company Landmark Resources, Inc Elevation 3106 KB 3101 GL
 Address 1616 S Voss Rd STE 600 Houston, Tx 77057
 Co. Rep / Geo. Terry McLeod Rig LD
 Location: Sec. 1 Twp. 17S Rge. 34W Co. Scott State Ks

Interval Tested 4449 - 4475 Zone Tested Altamont
 Anchor Length 26' Drill Pipe Run 4446 Mud Wt. 9.2
 Top Packer Depth 4444 Drill Collars Run 0 Vis 56
 Bottom Packer Depth 4449 Wt. Pipe Run 0 WL 9.6
 Total Depth 4475 Chlorides 6900 ppm System LCM 1#

Blow Description IF: BOB @ 1 min.
IST: BOB @ 10 min Gas to surface
FF: BOB @ 2 min
FST: 4" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1750</u>	<u>60</u>	<u>30</u>	<u>70</u>		
<u>120</u>	<u>60 CM</u>	<u>20</u>	<u>20</u>		<u>60</u>
	<u>Gas to surface IST</u>				
Rec Total	<u>1870</u>	BHT <u>123</u>	Gravity <u>38</u>	API RW <u>-</u>	@ <u>-</u> °F Chlorides <u>-</u> ppm

(A) Initial Hydrostatic 2213 Test 1250 T-On Location 1115
 (B) First Initial Flow 87 Jars _____ T-Started 1140
 (C) First Final Flow 364 Safety Joint 75 T-Open 1346
 (D) Initial Shut-In 1284 Circ Sub used 50 T-Pulled 1646
 (E) Second Initial Flow 373 Hourly Standby _____ T-Out 2042
 (F) Second Final Flow 691 Mileage 35 RT 52.70 Comments Dropped Bar
 (G) Final Shut-In 1267 Sampler _____
 (H) Final Hydrostatic 2143 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 45 Day Standby _____ Total 1427.70
 Final Flow 45 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1427.70

Approved By Terry D. McLeod Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55516

Well Name & No. Beeson #1-1 Test No. 6 Date 10/12/13
 Company Landmark Resources, LLC Elevation 3106 KB 3101 GL
 Address 1616 S Voss Rd STE 600 Houston, Tx 77057
 Co. Rep / Geo. Terry McLead Rig LD
 Location: Sec. 1 Twp. 17s Rge. 34w Co. Scott State Ks

Interval Tested 4608-4720 Zone Tested Johnson
 Anchor Length 112 Drill Pipe Run 4604 Mud Wt. 9.2
 Top Packer Depth 4603 Drill Collars Run 0 Vis 56
 Bottom Packer Depth 4608 Wt. Pipe Run 0 WL 9.4
 Total Depth 4720 Chlorides 7,000 ppm System LCM 1#

Blow Description TFI BOB @ 15 min.
ISI: No return.
PF: BOB @ 11 min.
FSI: 1" return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>165</u>	<u>60 CM</u>	<u>5</u>	<u>25</u>	<u>70</u>	
Rec	Feet of <u>315' GIP</u>	%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 165 BHT 115 Gravity - API RW - @ - F Chlorides - ppm

(A) Initial Hydrostatic 2343 Test 1250 T-On Location 0315
 (B) First Initial Flow 29 Jars T-Started 0332
 (C) First Final Flow 63 Safety Joint 75 T-Open 0559
 (D) Initial Shut-In 1211 Circ Sub NE T-Pulled 0859
 (E) Second Initial Flow 84 Hourly Standby T-Out 1123
 (F) Second Final Flow 97 Mileage 25 RT 105.40 Comments loaded tools 10/12 20:00
 (G) Final Shut-In 1180 Sampler Straddle Ruined Shale Packer Ruined Packer
 (H) Final Hydrostatic 2257 Shale Packer Extra Packer Extra Copies
 Initial Open 30 Extra Recorder Sub Total 216.67
 Initial Shut-In 45 Day Standby 1d 6.5h Total 1647.07
 Final Flow 45 Accessibility MP/DST Disc
 Final Shut-In 60 Sub Total 1430.40

Approved By Terry McLead Our Representative [Signature]

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