



DRILL STEM TEST REPORT

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

1616 S Voss Rd Ste 600
Houston TX 77057

ATTN: Wes Hansen

Decker #3-17

17-17s-34w Scott,KS

Start Date: 2015.07.07 @ 04:45:00

End Date: 2015.07.07 @ 07:20:00

Job Ticket #: 58671 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.07.13 @ 10:59:46



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources, Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58671

DST#: 1

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 04:45:00

GENERAL INFORMATION:

Formation: **LKC H & I**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened:

Time Test Ended: 07:20:00

Test Type: Conventional Straddle (Initial)

Tester: Justin Harris

Unit No: 71

Interval: 4254.00 ft (KB) To 4330.00 ft (KB) (TVD)

Reference Elevations: 3154.00 ft (KB)

Total Depth: 4350.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Inside

Press@RunDepth: psig @ 4255.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.07

End Date:

2015.07.07

Last Calib.: 2015.07.07

Start Time: 04:45:05

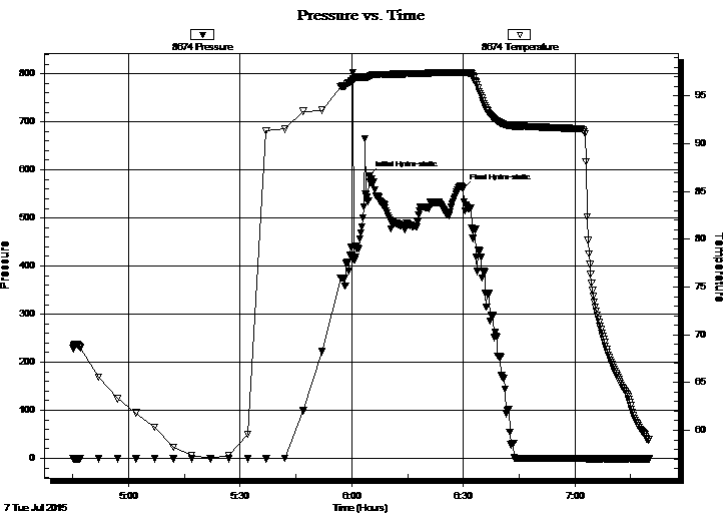
End Time:

07:20:00

Time On Btm: 2015.07.07 @ 06:04:45

Time Off Btm: 2015.07.07 @ 06:30:00

TEST COMMENT:



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	587.09	97.00	Initial Hydro-static
26	561.25	97.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



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Houston TX 77057

Decker #3-17

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ATTN: Wes Hansen

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Time Test Ended: 07:20:00

Test Type: Conventional Straddle (Initial)

Tester: Justin Harris

Unit No: 71

Interval: 4254.00 ft (KB) To 4330.00 ft (KB) (TVD)

Total Depth: 4350.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3154.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8355

Outside

Press@RunDepth: psig @ 4255.00 ft (KB)

Start Date: 2015.07.07

End Date:

2015.07.07

Start Time: 04:45:05

End Time:

07:20:15

Capacity: 8000.00 psig

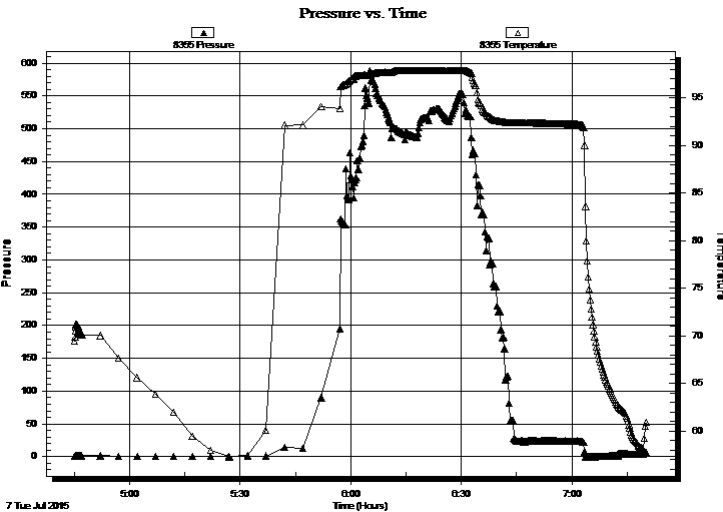
Last Calib.:

2015.07.07

Time On Btm:

Time Off Btm:

TEST COMMENT:



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



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17-17s-34w Scott,KS

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Houston TX 77057

Decker #3-17

Job Ticket: 58671

DST#: 1

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 04:45:00

GENERAL INFORMATION:

Formation: **LKC H & I**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened:

Time Test Ended: 07:20:00

Test Type: Conventional Straddle (Initial)

Tester: Justin Harris

Unit No: 71

Interval: 4254.00 ft (KB) To 4330.00 ft (KB) (TVD)

Reference Elevations: 3154.00 ft (KB)

Total Depth: 4350.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8672 Below (Straddle)

Press@RunDepth: psig @ 4331.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.07

End Date: 2015.07.07

Last Calib.: 2015.07.07

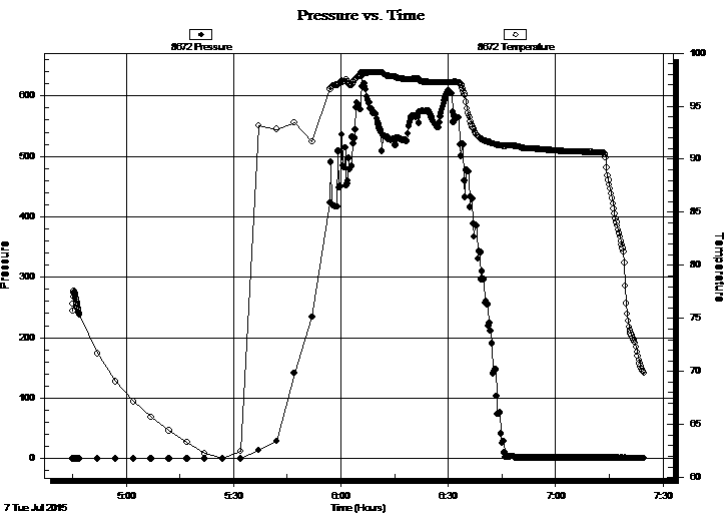
Start Time: 04:45:05

End Time: 07:24:45

Time On Btm:

Time Off Btm:

TEST COMMENT:



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58671

DST#: 1

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 04:45:00

Tool Information

Drill Pipe:	Length: 3955.00 ft	Diameter: 3.80 inches	Volume: 55.48 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose: lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial lb
Depth to Top Packer:	4254.00 ft			Final lb
Depth to Bottom Packer:	4330.00 ft			
Interval between Packers:	76.00 ft			
Tool Length:	124.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Change Over Sub	1.00			4227.00	
Shut In Tool	5.00			4232.00	
Hydraulic tool	5.00			4237.00	
Jars	5.00			4242.00	
Safety Joint	3.00			4245.00	
Packer	5.00			4250.00	28.00 Bottom Of Top Packer
Packer	4.00			4254.00	
Stubb	1.00			4255.00	
Recorder	0.00	8355	Outside	4255.00	
Recorder	0.00	8674	Inside	4255.00	
Perforations	1.00			4256.00	
Change Over Sub	1.00			4257.00	
Drill Pipe	63.00			4320.00	
Change Over Sub	1.00			4321.00	
Perforations	5.00			4326.00	
Blank Off Sub	1.00			4327.00	
Top of S Packer	3.00			4330.00	76.00 Tool Interval
Packer	0.00			4330.00	
Stubb	1.00			4331.00	
Recorder	0.00	8672	Below	4331.00	
Perforations	14.00			4345.00	
Bullnose	5.00			4350.00	20.00 Bottom Packers & Anchor

Total Tool Length: 124.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58671

DST#: 1

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 04:45:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0

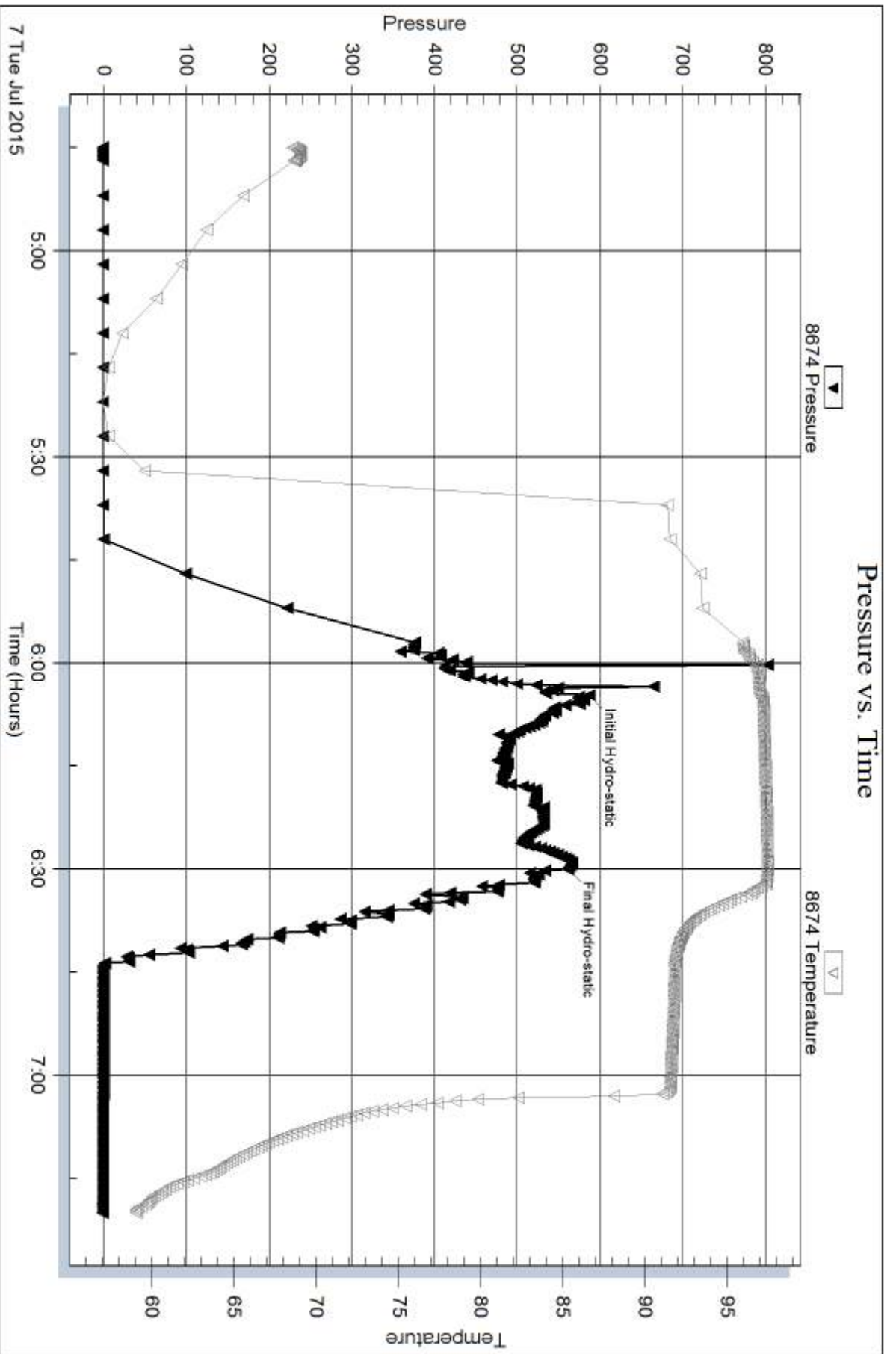
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Mis- Run Lost Circulation Hit a Bridge @ about 1400' Going in hole

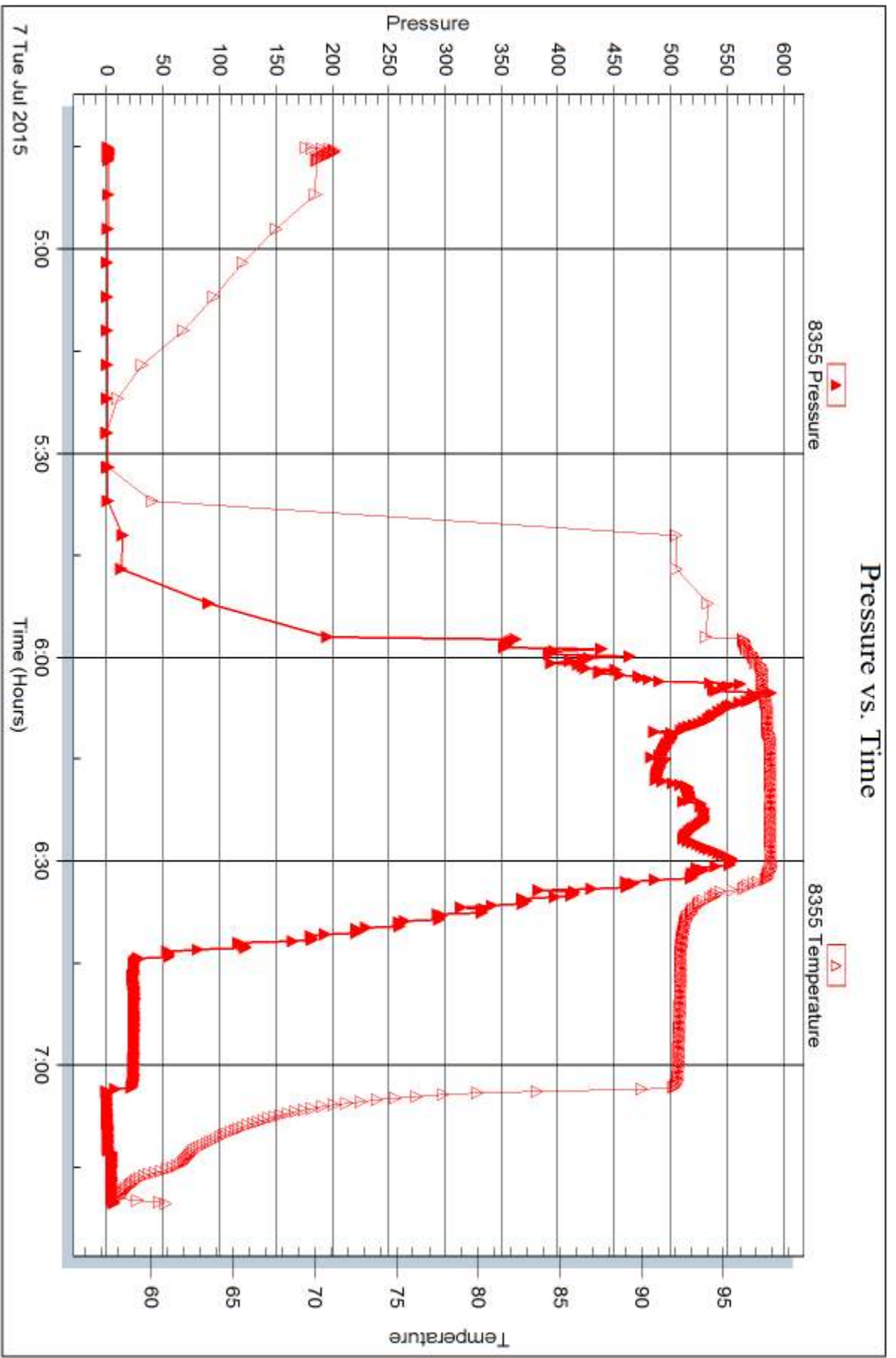


Serial #: 8355

Outside Landmark Resources, Inc.

Decker #3-17

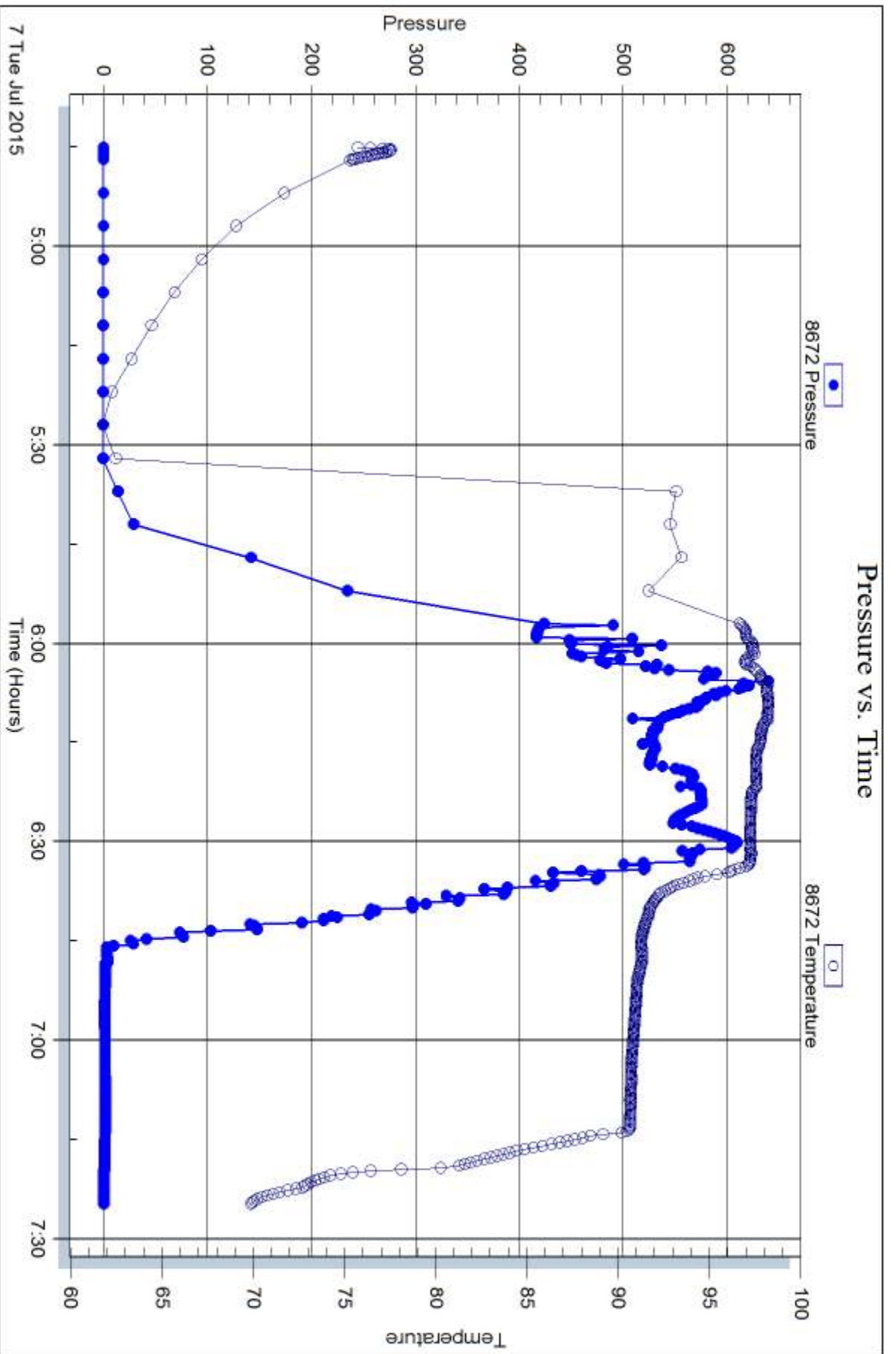
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58671

Printed: 2015.07.13 @ 10:59:48





DRILL STEM TEST REPORT

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

1616 S Voss Rd Ste 600
Houston TX 77057

ATTN: Wes Hansen

Decker #3-17

17-17s-34w Scott,KS

Start Date: 2015.07.07 @ 12:47:00

End Date: 2015.07.07 @ 20:23:45

Job Ticket #: 58672 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.07.13 @ 10:58:23



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58672

DST#: 2

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 12:47:00

GENERAL INFORMATION:

Formation: **Lansing H & I**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 14:55:45

Time Test Ended: 20:23:45

Test Type: Conventional Straddle (Reset)

Tester: Justin Harris

Unit No: 71

Interval: 4254.00 ft (KB) To 4330.00 ft (KB) (TVD)

Total Depth: 4350.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 3154.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8674

Inside

Press@RunDepth: 146.42 psig @ 4255.00 ft (KB)

Start Date: 2015.07.07

End Date:

2015.07.07

Start Time: 12:47:05

End Time:

20:23:44

Capacity: 8000.00 psig

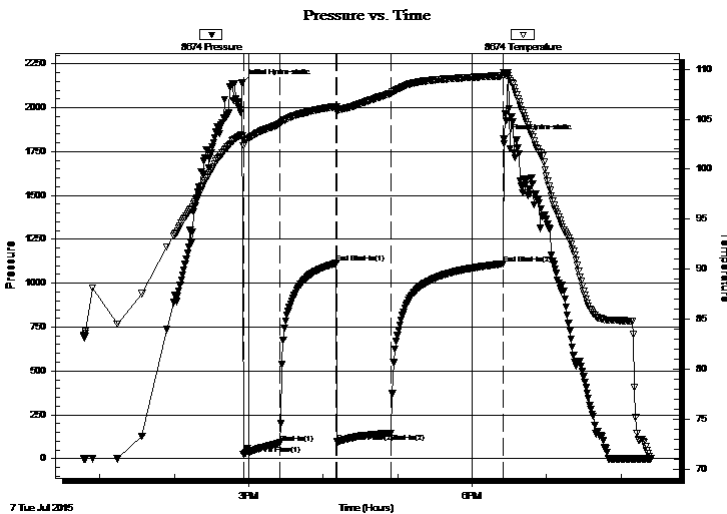
Last Calib.: 2015.07.07

Time On Btm: 2015.07.07 @ 14:54:45

Time Off Btm: 2015.07.07 @ 18:25:30

TEST COMMENT: 30: Weak surface blow build to 4 1/2".
45: No Return.
45: Weak surface blow build to 3 1/2".
90: No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2139.48	103.39	Initial Hydro-static
1	25.32	102.37	Open To Flow (1)
31	89.85	104.55	Shut-In(1)
76	1113.94	106.26	End Shut-In(1)
77	96.05	105.73	Open To Flow (2)
120	146.42	107.59	Shut-In(2)
210	1110.89	109.35	End Shut-In(2)
211	1820.38	109.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
278.00	w mco 10 w 40m 50o	1.37
33.00	Clean oil	0.46

* Recovery from multiple tests

Gas Rates

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



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17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58672

DST#: 2

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 12:47:00

GENERAL INFORMATION:

Formation: **Lansing H & I**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 14:55:45

Time Test Ended: 20:23:45

Test Type: Conventional Straddle (Reset)

Tester: Justin Harris

Unit No: 71

Interval: 4254.00 ft (KB) To 4330.00 ft (KB) (TVD)

Reference Elevations: 3154.00 ft (KB)

Total Depth: 4350.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 11.00 ft

Serial #: 8672 Below (Straddle)

Press@RunDepth: psig @ 4331.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.07 End Date: 2015.07.07

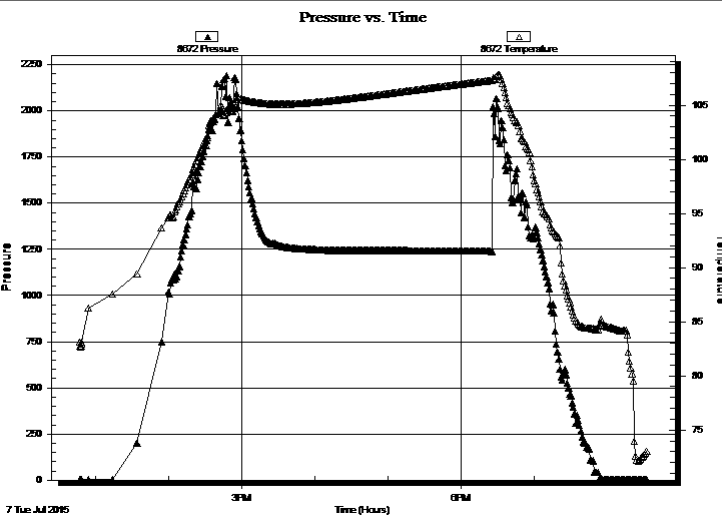
Last Calib.: 2015.07.07

Start Time: 12:47:05 End Time: 20:32:29

Time On Btm:

Time Off Btm:

TEST COMMENT: 30: Weak surface blow build to 4 1/2".
45: No Return.
45: Weak surface blow build to 3 1/2".
90: No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
278.00	w mco 10 w 40m 50o	1.37
33.00	Clean oil	0.46

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58672

DST#: 2

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 12:47:00

GENERAL INFORMATION:

Formation: **Lansing H & I**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 14:55:45

Time Test Ended: 20:23:45

Test Type: Conventional Straddle (Reset)

Tester: Justin Harris

Unit No: 71

Interval: 4254.00 ft (KB) To 4330.00 ft (KB) (TVD)

Total Depth: 4350.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 3154.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8355 Outside

Press@RunDepth: psig @ 4255.00 ft (KB)

Start Date: 2015.07.07

End Date:

2015.07.07

Start Time: 12:47:05

End Time:

20:24:59

Capacity: 8000.00 psig

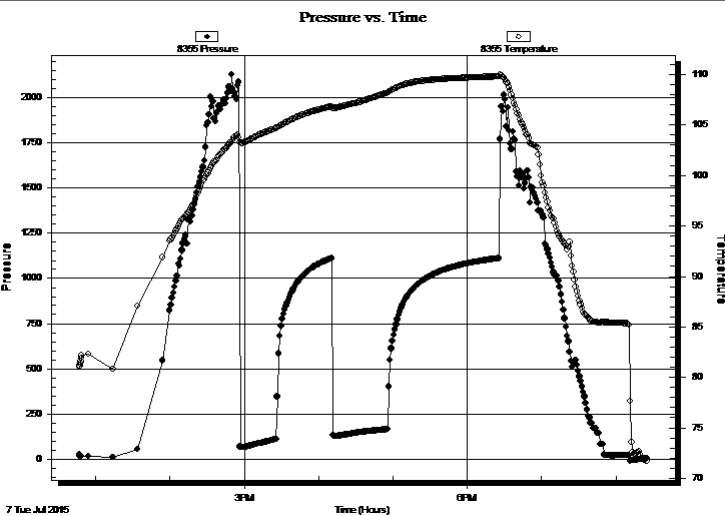
Last Calib.:

2015.07.07

Time On Btm:

Time Off Btm:

TEST COMMENT: 30: Weak surface blow build to 4 1/2".
45: No Return.
45: Weak surface blow build to 3 1/2".
90: No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
278.00	w mco 10 w 40m 50o	1.37
33.00	Clean oil	0.46

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58672

DST#: 2

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 12:47:00

Tool Information

Drill Pipe:	Length: 3955.00 ft	Diameter: 3.80 inches	Volume: 55.48 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
				String Weight: Initial	78000.00 lb
Drill Pipe Above KB:	7.00 ft			Final	79000.00 lb
Depth to Top Packer:	4254.00 ft				
Depth to Bottom Packer:	4330.00 ft				
Interval between Packers:	76.00 ft				
Tool Length:	124.00 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			4227.00	
Shut In Tool	5.00			4232.00	
Hydraulic tool	5.00			4237.00	
Jars	5.00			4242.00	
Safety Joint	3.00			4245.00	
Packer	5.00			4250.00	28.00 Bottom Of Top Packer
Packer	4.00			4254.00	
Stubb	1.00			4255.00	
Recorder	0.00	8355	Outside	4255.00	
Recorder	0.00	8674	Inside	4255.00	
Perforations	1.00			4256.00	
Change Over Sub	1.00			4257.00	
Drill Pipe	63.00			4320.00	
Change Over Sub	1.00			4321.00	
Perforations	5.00			4326.00	
Blank Off Sub	1.00			4327.00	
Top of S Packer	3.00			4330.00	76.00 Tool Interval
Packer	0.00			4330.00	
Stubb	1.00			4331.00	
Recorder	0.00	8672	Below	4331.00	
Perforations	14.00			4345.00	
Bullnose	5.00			4350.00	20.00 Bottom Packers & Anchor
Total Tool Length:	124.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58672

DST#: 2

ATTN: Wes Hansen

Test Start: 2015.07.07 @ 12:47:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 7.96 in³
Resistivity: ohm.m
Salinity: 5200.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 24 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
278.00	w mco 10 w 40m 50o	1.367
33.00	Clean oil	0.463

Total Length: 311.00 ft Total Volume: 1.830 bbl

Num Fluid Samples: 0

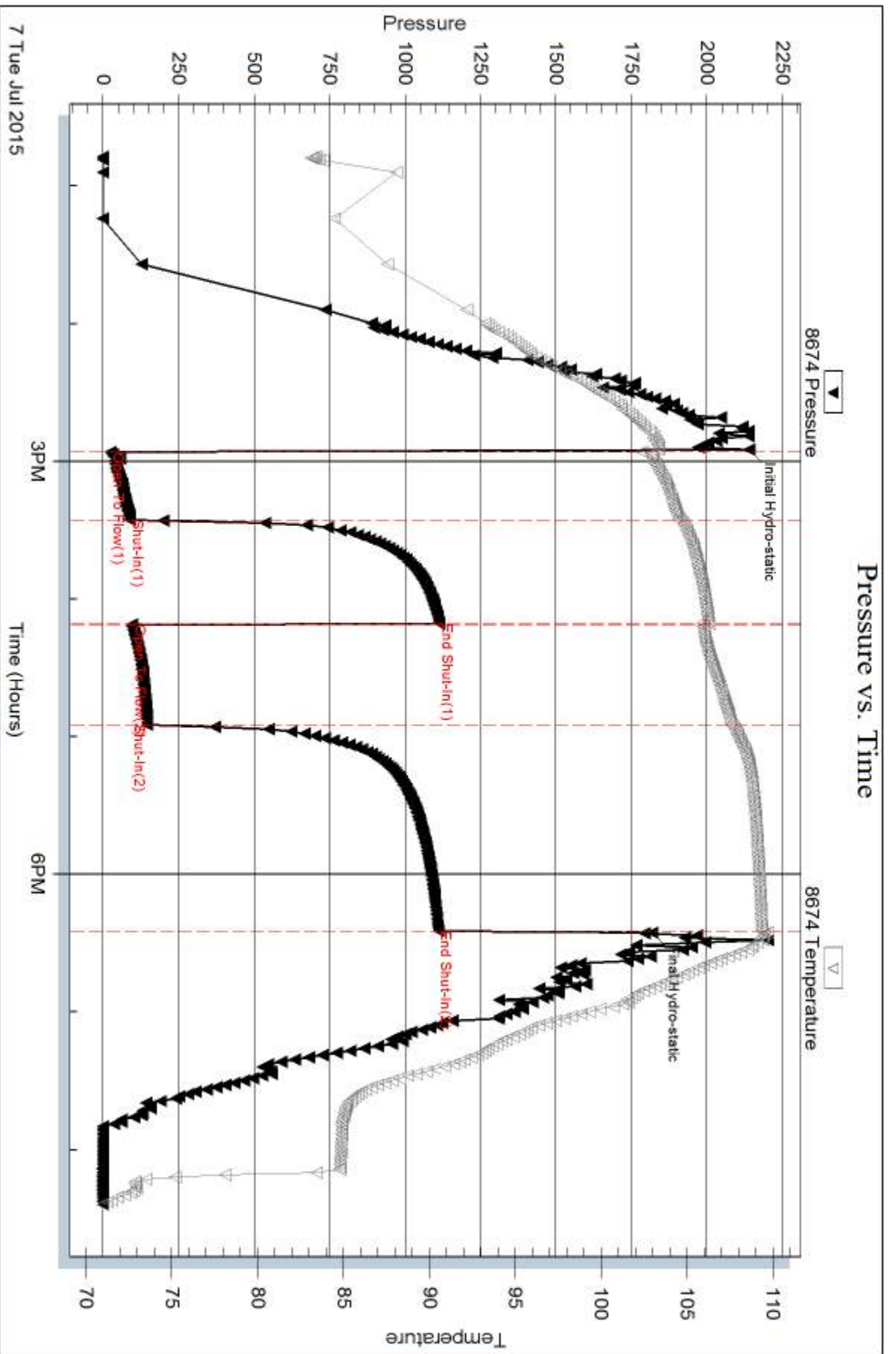
Num Gas Bombs: 0

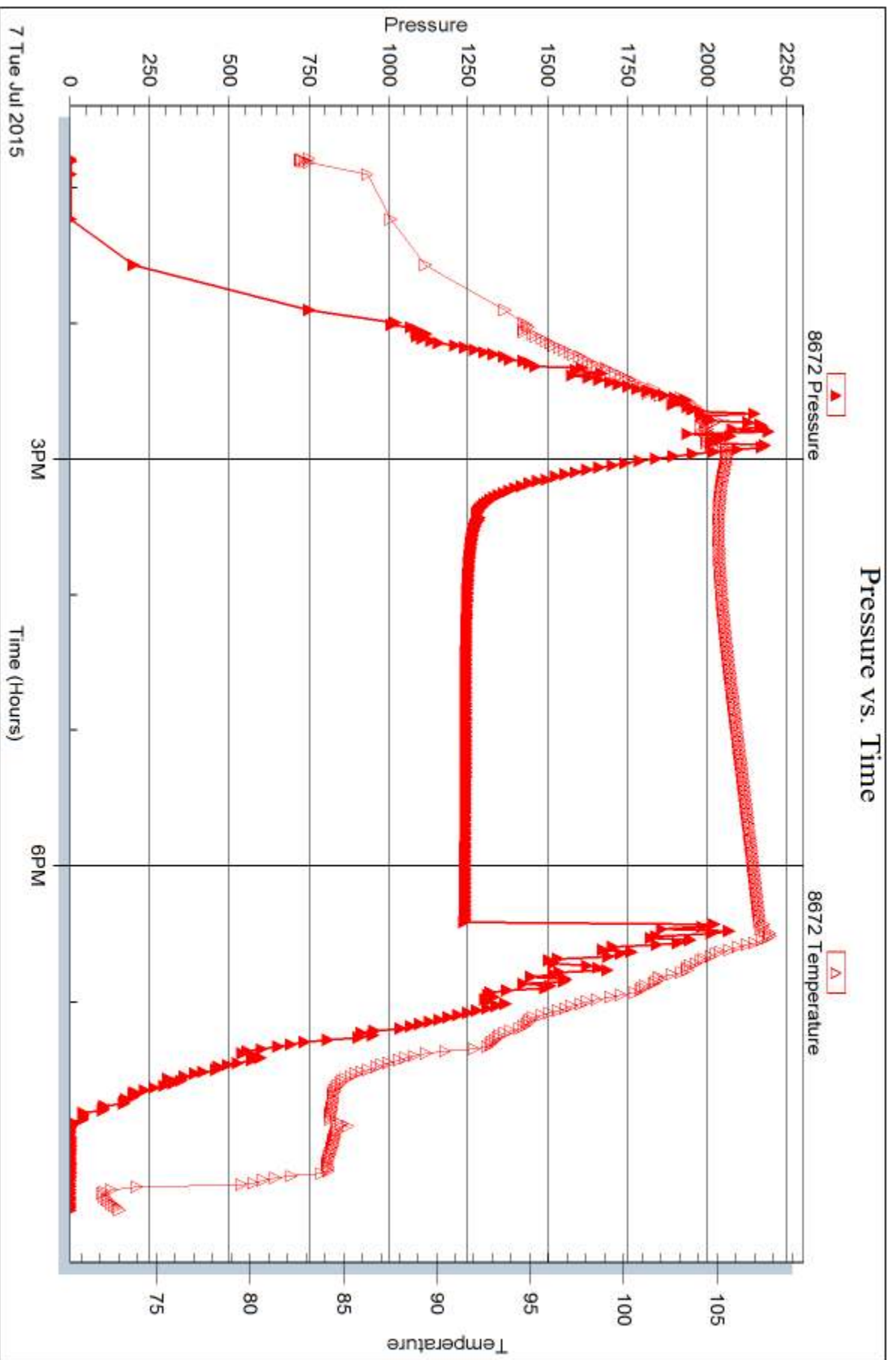
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



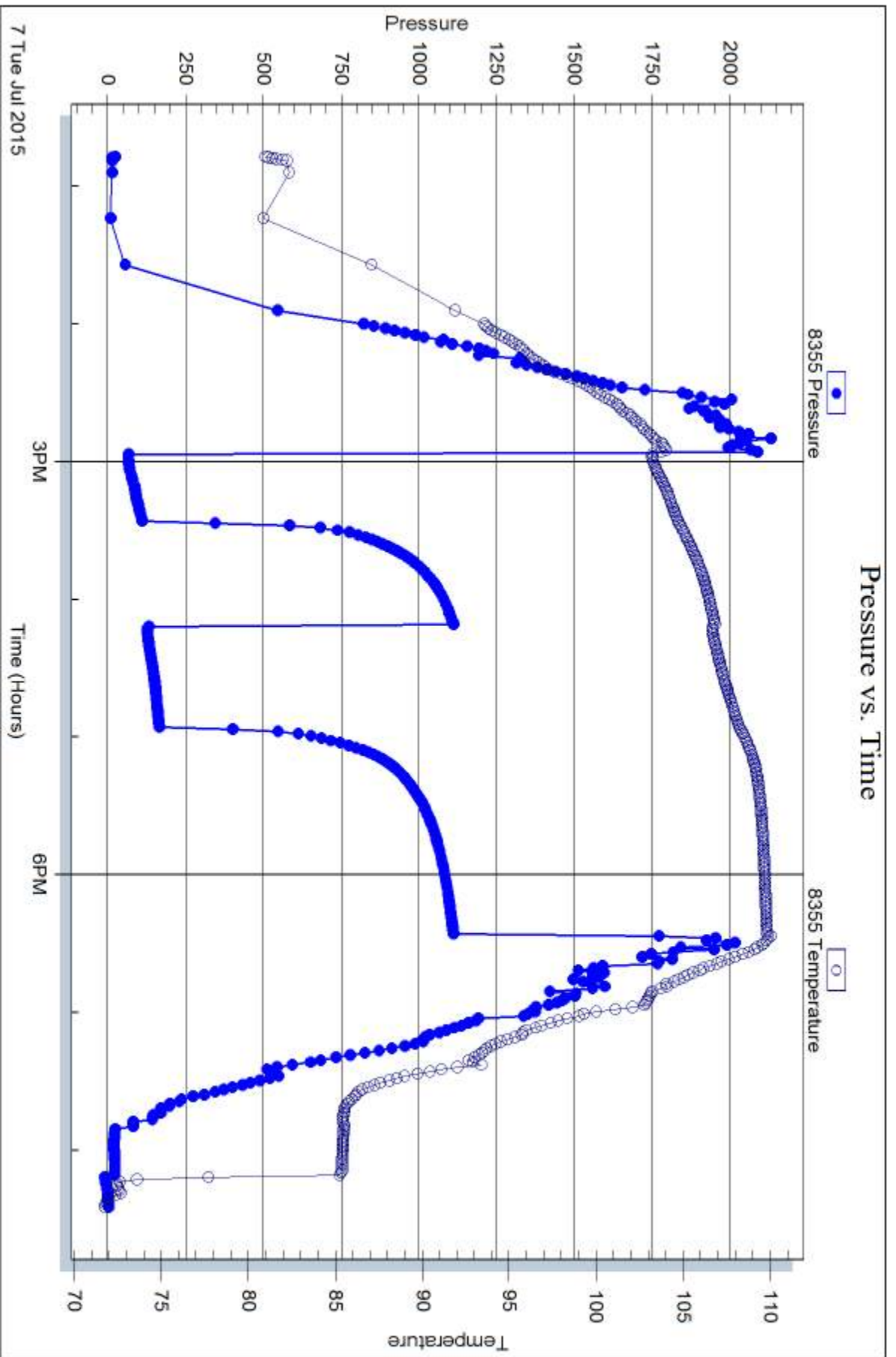


Serial #: 8355

Outside Landmark Resources, Inc.

Decker #3-17

DST Test Number: 2





DRILL STEM TEST REPORT

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

1616 S Voss Rd Ste 600
Houston TX 77057

ATTN: Wes Hansen

Decker #3-17

17-17s-34w Scott,KS

Start Date: 2015.07.08 @ 14:23:00

End Date: 2015.07.08 @ 21:03:15

Job Ticket #: 58673 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.07.13 @ 10:57:12



**TRILOBITE
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DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58673

DST#: 3

ATTN: Wes Hansen

Test Start: 2015.07.08 @ 14:23:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 17:10:30

Time Test Ended: 21:03:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 71

Interval: 4482.00 ft (KB) To 4540.00 ft (KB) (TVD)

Reference Elevations: 3154.00 ft (KB)

Total Depth: 4540.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8674 Inside

Press@RunDepth: 52.94 psig @ 4535.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.08

End Date:

2015.07.08

Last Calib.:

2015.07.08

Start Time:

14:23:05

End Time:

21:03:14

Time On Btm:

2015.07.08 @ 17:09:45

Time Off Btm:

2015.07.08 @ 19:10:00

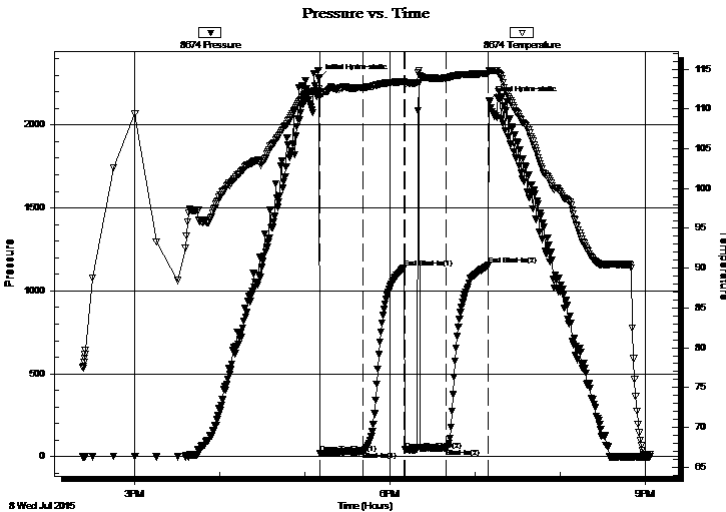
TEST COMMENT: 30:Weak surface blow died at 3 mins.

30: No Return.

30: No Blow . (Flush tool no blow)

30: No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2281.24	112.52	Initial Hydro-static
1	21.99	111.76	Open To Flow (1)
32	32.23	112.71	Shut-In(1)
61	1139.73	113.46	End Shut-In(1)
61	41.12	113.19	Open To Flow (2)
90	52.94	113.92	Shut-In(2)
120	1155.04	114.47	End Shut-In(2)
121	2145.40	114.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 30 o 70m	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58673

DST#: 3

ATTN: Wes Hansen

Test Start: 2015.07.08 @ 14:23:00

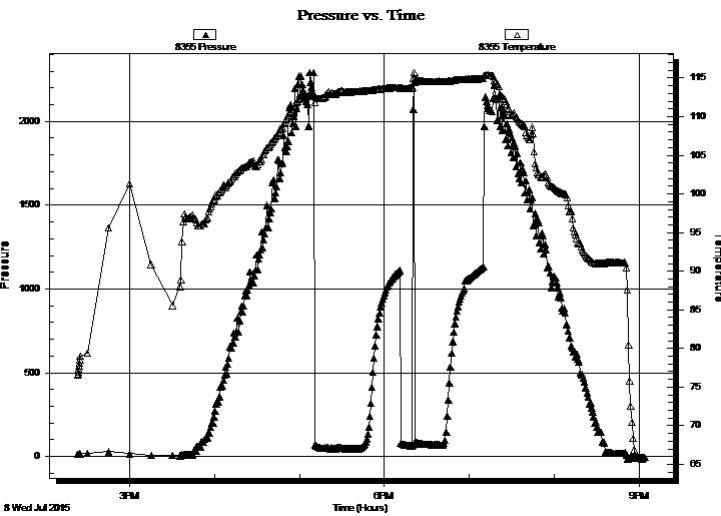
GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 17:10:30
 Time Test Ended: 21:03:15
 Interval: **4482.00 ft (KB) To 4540.00 ft (KB) (TVD)**
 Total Depth: 4540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Justin Harris
 Unit No: 71
 Reference Elevations: 3154.00 ft (KB)
 3143.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8355 Outside

Press@RunDepth: psig @ 4535.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.07.08 End Date: 2015.07.08 Last Calib.: 2015.07.08
 Start Time: 14:23:05 End Time: 21:04:14 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30:Weak surface blow died at 3 mins.
 30: No Return.
 30: No Blow . (Flush tool no blow)
 30: No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	ocm 30 o 70m	0.05

* 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.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58673

DST#: 3

ATTN: Wes Hansen

Test Start: 2015.07.08 @ 14:23:00

Tool Information

Drill Pipe:	Length: 4206.00 ft	Diameter: 3.80 inches	Volume: 59.00 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 60.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	4482.00 ft			Final 82000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 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			4455.00	
Shut In Tool	5.00			4460.00	
Hydraulic tool	5.00			4465.00	
Jars	5.00			4470.00	
Safety Joint	3.00			4473.00	
Packer	5.00			4478.00	28.00 Bottom Of Top Packer
Packer	4.00			4482.00	
Stubb	1.00			4483.00	
Perforations	19.00			4502.00	
Change Over Sub	1.00			4503.00	
Drill Pipe	31.00			4534.00	
Change Over Sub	1.00			4535.00	
Recorder	0.00	8355	Outside	4535.00	
Recorder	0.00	8674	Inside	4535.00	
Bullnose	5.00			4540.00	58.00 Bottom Packers & Anchor

Total Tool Length: 86.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58673

DST#: 3

ATTN: Wes Hansen

Test Start: 2015.07.08 @ 14:23:00

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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	ocm 30 o 70m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

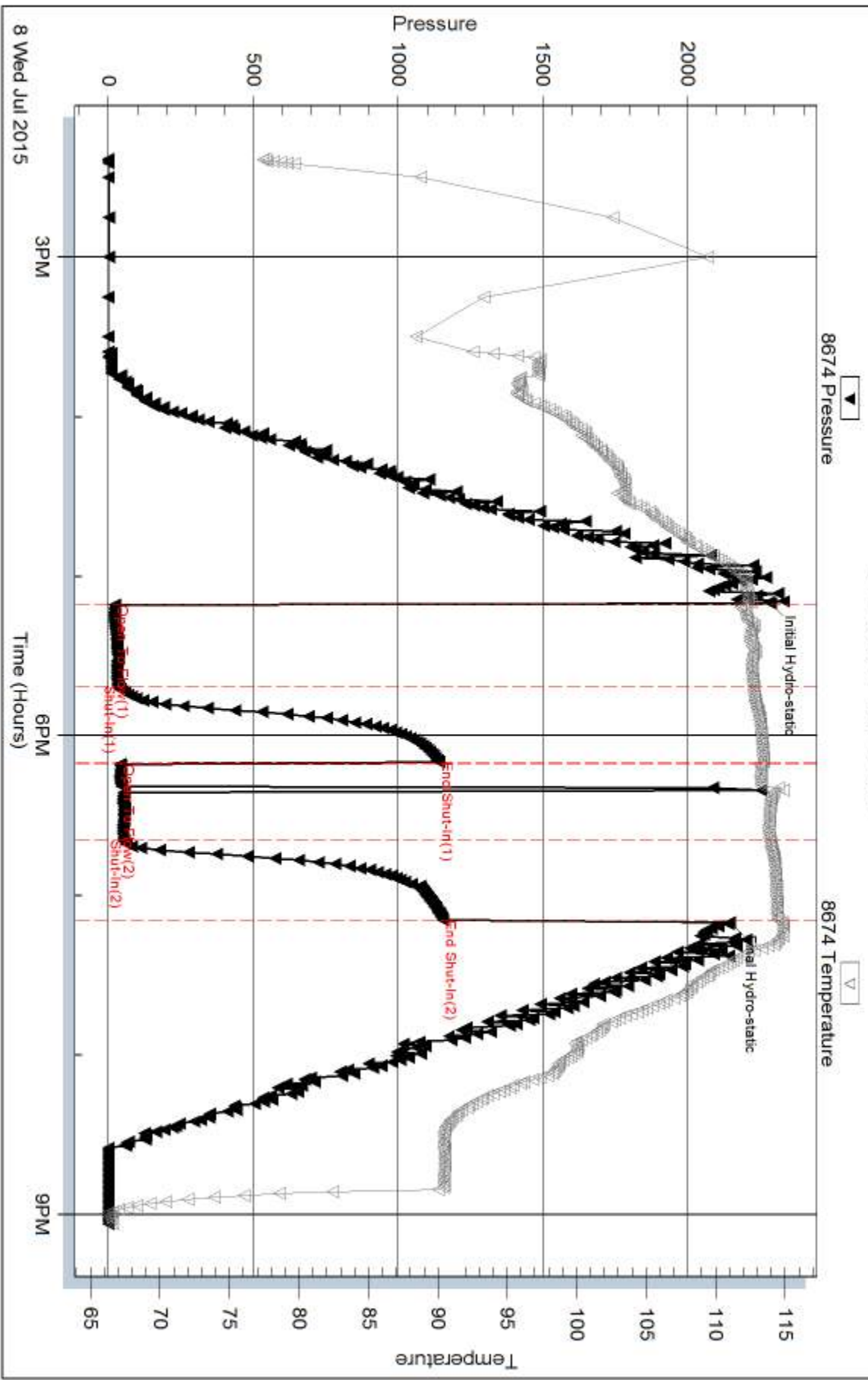
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

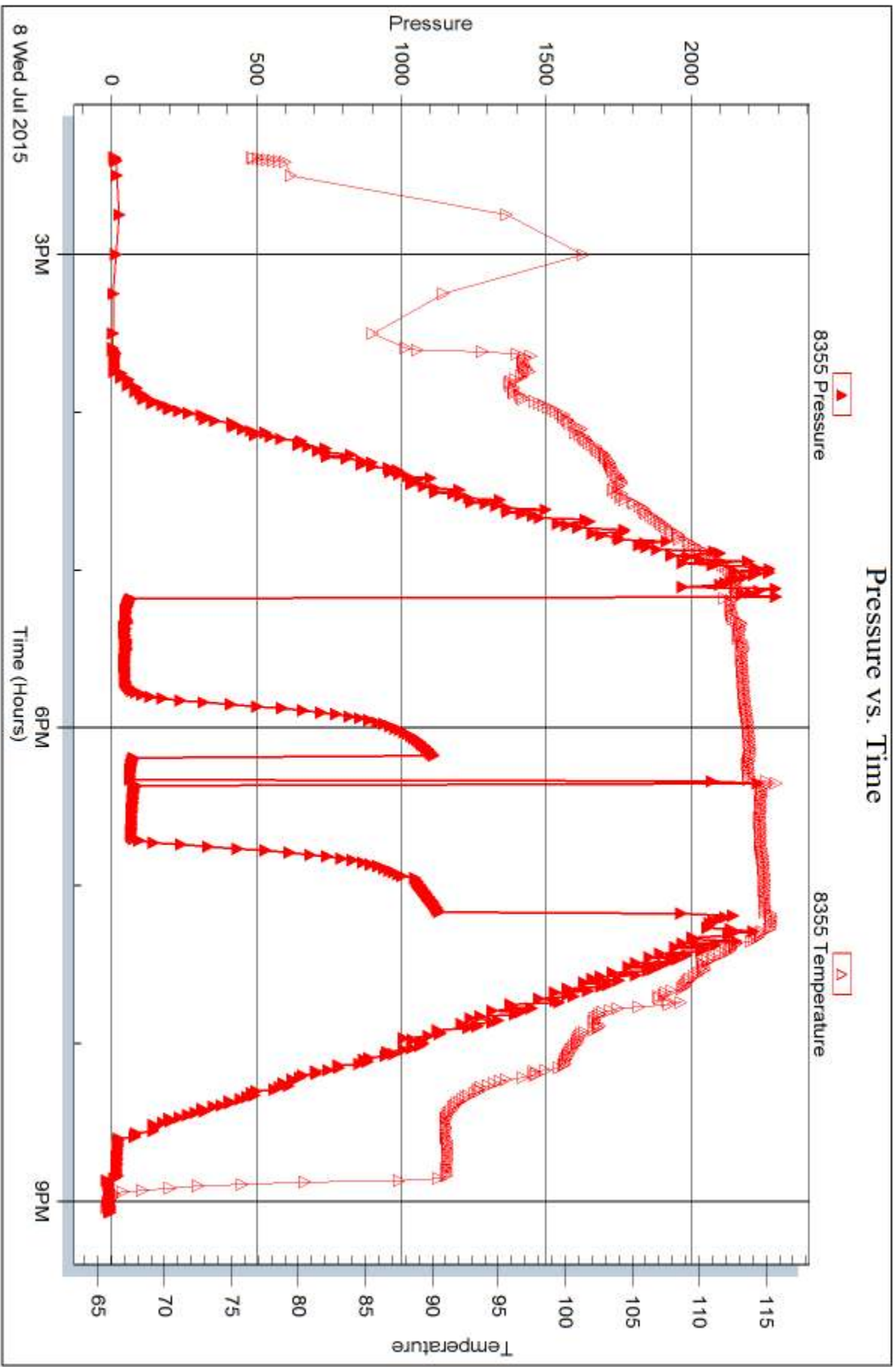


Serial #: 8355

Outside Landmark Resources, Inc.

Decker #3-17

DST Test Number: 3





DRILL STEM TEST REPORT

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

1616 S Voss Rd Ste 600
Houston TX 77057

ATTN: Wes Hansen

Decker #3-17

17-17s-34w Scott,KS

Start Date: 2015.07.09 @ 11:15:00

End Date: 2015.07.09 @ 17:36:00

Job Ticket #: 58674 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.07.13 @ 10:56:24

Landmark Resources , Inc.

17-17s-34w Scott,KS

Decker #3-17

DST # 4

Altamont - Fort Scot

2015.07.09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Landmark Resources, Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58674

DST#: 4

ATTN: Wes Hansen

Test Start: 2015.07.09 @ 11:15:00

GENERAL INFORMATION:

Formation: **Altamont - Fort Scot**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 13:47:15

Time Test Ended: 17:36:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 71

Interval: **4534.00 ft (KB) To 4670.00 ft (KB) (TVD)**

Total Depth: 4670.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3154.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8674

Inside

Press@RunDepth: 36.27 psig @ 4535.00 ft (KB)

Start Date: 2015.07.09

End Date:

2015.07.09

Start Time: 11:15:05

End Time:

17:35:59

Capacity: 8000.00 psig

Last Calib.: 2015.07.09

Time On Btm: 2015.07.09 @ 13:46:30

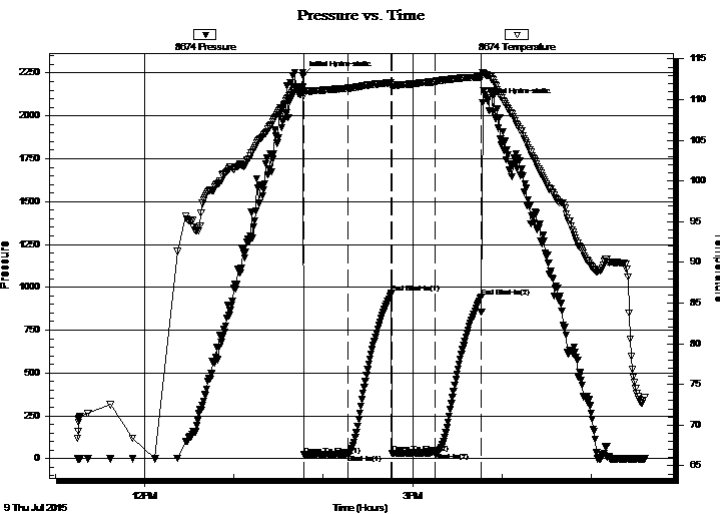
Time Off Btm: 2015.07.09 @ 15:47:00

TEST COMMENT: 30: Weak surface blow died at 12 mins.

30: No Return.

30: No Blow.

30: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.23	111.60	Initial Hydro-static
1	23.16	111.01	Open To Flow (1)
30	27.67	111.39	Shut-In(1)
60	964.82	112.08	End Shut-In(1)
60	31.33	111.52	Open To Flow (2)
89	36.27	112.19	Shut-In(2)
120	944.11	112.81	End Shut-In(2)
121	2078.11	113.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud oil spots	0.05

* 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.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58674

DST#: 4

ATTN: Wes Hansen

Test Start: 2015.07.09 @ 11:15:00

Tool Information

Drill Pipe:	Length: 4238.00 ft	Diameter: 3.80 inches	Volume: 59.45 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	84000.00 lb
Drill Pipe Above KB:	10.00 ft			Final	84000.00 lb
Depth to Top Packer:	4534.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	136.00 ft				
Tool Length:	164.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4507.00	
Shut In Tool	5.00			4512.00	
Hydraulic tool	5.00			4517.00	
Jars	5.00			4522.00	
Safety Joint	3.00			4525.00	
Packer	5.00			4530.00	28.00 Bottom Of Top Packer
Packer	4.00			4534.00	
Stubb	1.00			4535.00	
Recorder	0.00	8355	Outside	4535.00	
Recorder	0.00	8674	Inside	4535.00	
Perforations	34.00			4569.00	
Change Over Sub	1.00			4570.00	
Drill Pipe	94.00			4664.00	
Change Over Sub	1.00			4665.00	
Bullnose	5.00			4670.00	136.00 Bottom Packers & Anchor

Total Tool Length: 164.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58674

DST#: 4

ATTN: Wes Hansen

Test Start: 2015.07.09 @ 11:15:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud oil spots	0.049

Total Length: 10.00 ft

Total Volume: bbl

Num Fluid Samples: 0

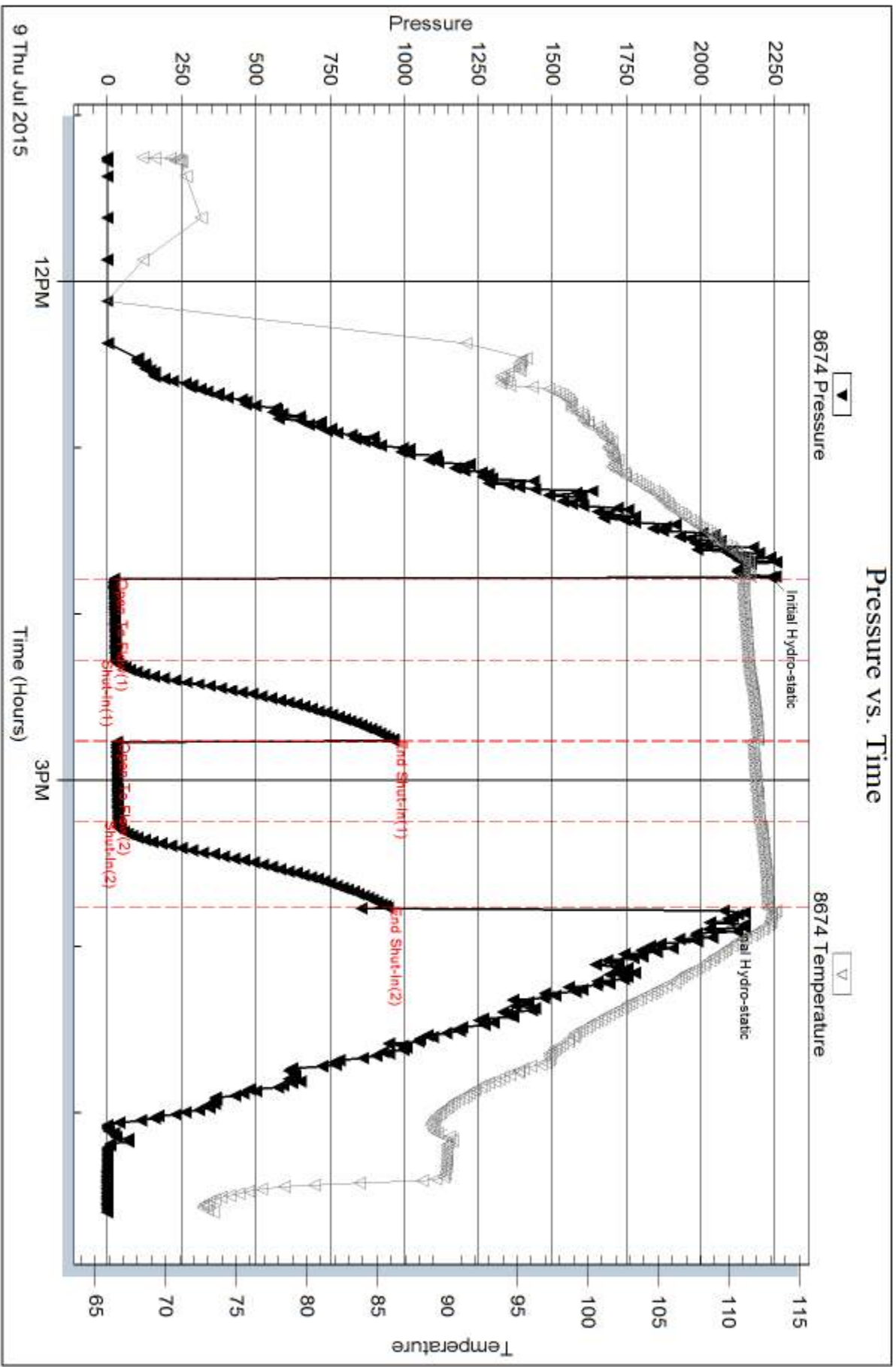
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

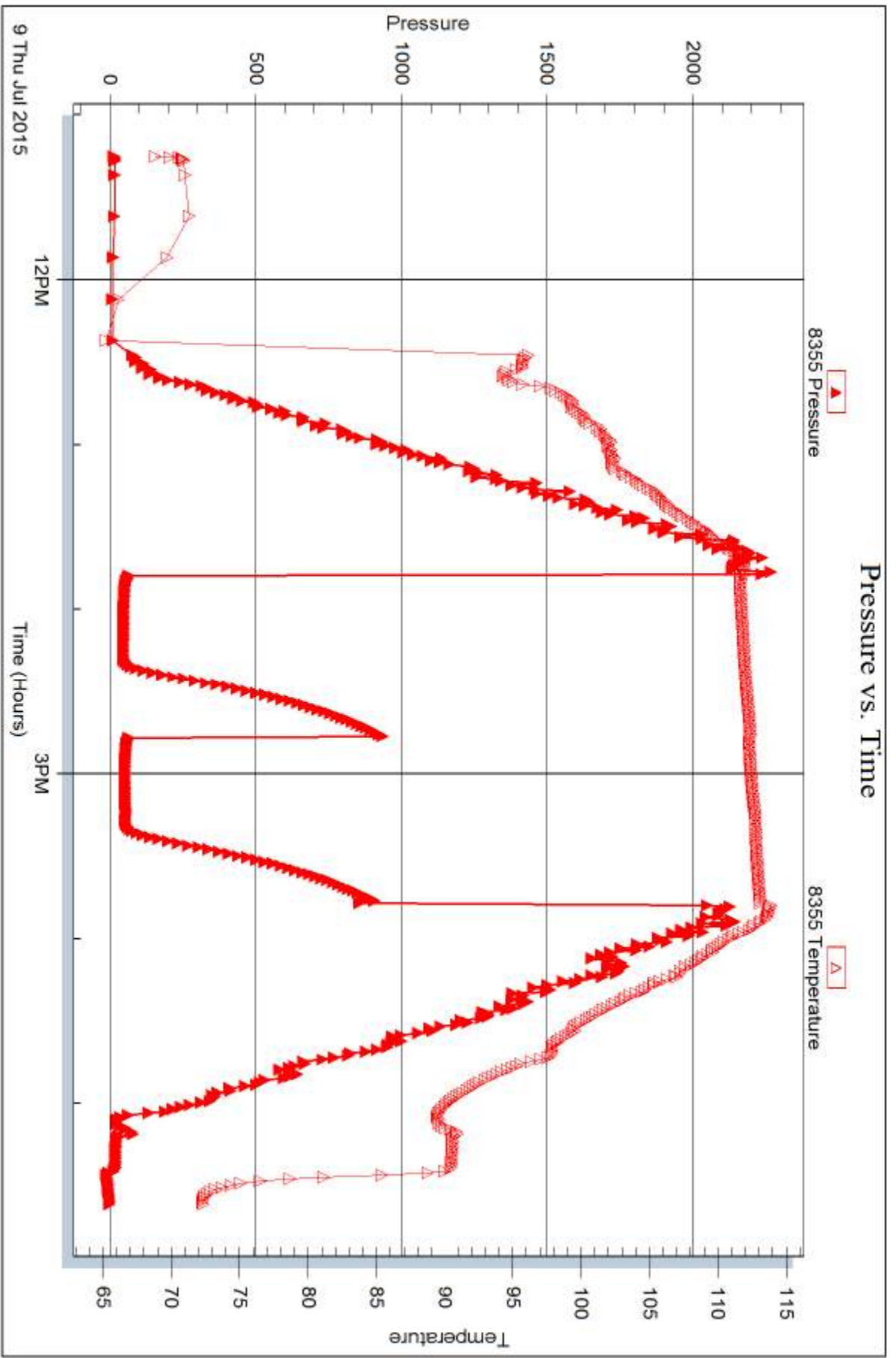


Serial #: 8355

Outside Landmark Resources, Inc.

Decker #3-17

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 59674

Printed: 2015.07.13 @ 10:56:26



DRILL STEM TEST REPORT

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

1616 S Voss Rd Ste 600
Houston TX 77057

ATTN: Wes Hansen

Decker #3-17

17-17s-34w Scott,KS

Start Date: 2015.07.10 @ 08:30:00

End Date: 2015.07.10 @ 15:31:00

Job Ticket #: 58675 DST #: 5

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2015.07.13 @ 10:55:46



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58675

DST#: 5

ATTN: Wes Hansen

Test Start: 2015.07.10 @ 08:30:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 10:44:00

Time Test Ended: 15:31:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 71

Interval: 4772.00 ft (KB) To 4810.00 ft (KB) (TVD)

Total Depth: 4810.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3154.00 ft (KB)

3143.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8674

Inside

Press@RunDepth: 29.75 psig @ 4773.00 ft (KB)

Start Date: 2015.07.10

End Date:

2015.07.10

Start Time: 08:30:05

End Time:

15:30:59

Capacity: 8000.00 psig

Last Calib.: 2015.07.10

Time On Btm: 2015.07.10 @ 10:43:30

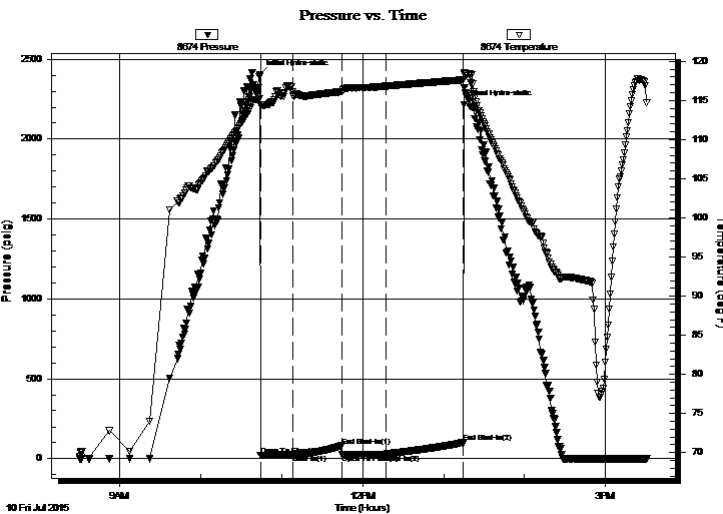
Time Off Btm: 2015.07.10 @ 13:15:15

TEST COMMENT: 30: Weak surface blow died in 15 mins.

30: No Return.

30: No Blow .

60: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2402.05	115.20	Initial Hydro-static
1	19.98	114.43	Open To Flow (1)
25	26.00	115.64	Shut-In(1)
61	80.67	116.13	End Shut-In(1)
62	27.09	116.11	Open To Flow (2)
94	29.75	116.84	Shut-In(2)
152	100.70	117.64	End Shut-In(2)
152	2217.93	118.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud oil spots	0.05

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58675

DST#: 5

ATTN: Wes Hansen

Test Start: 2015.07.10 @ 08:30:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 10:44:00

Time Test Ended: 15:31:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Justin Harris

Unit No: 71

Interval: 4772.00 ft (KB) To 4810.00 ft (KB) (TVD)

Reference Elevations: 3154.00 ft (KB)

Total Depth: 4810.00 ft (KB) (TVD)

3143.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 11.00 ft

Serial #: 8355 Outside

Press@RunDepth: psig @ 4773.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.07.10

End Date: 2015.07.10

Last Calib.: 2015.07.10

Start Time: 08:30:05

End Time: 15:32:14

Time On Btm:

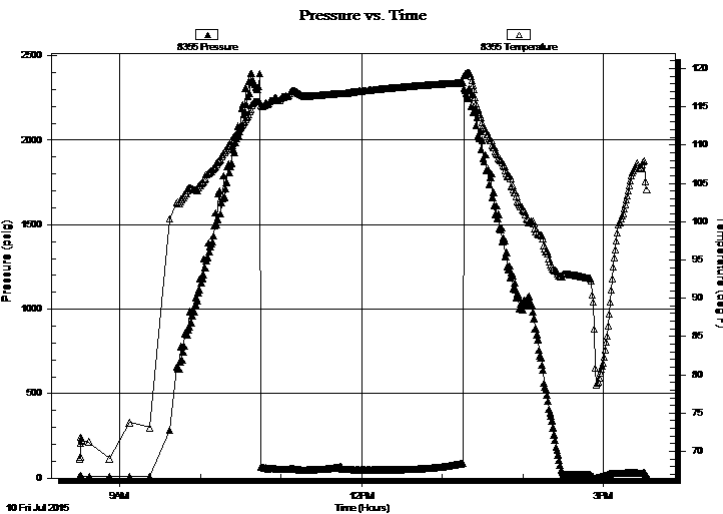
Time Off Btm:

TEST COMMENT: 30: Weak surface blow died in 15 mins.

30: No Return.

30: No Blow .

60: No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud oil spots	0.05

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.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58675

DST#: 5

ATTN: Wes Hansen

Test Start: 2015.07.10 @ 08:30:00

Tool Information

Drill Pipe:	Length: 4489.00 ft	Diameter: 3.80 inches	Volume: 62.97 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 278.00 ft	Diameter: 2.25 inches	Volume: 1.37 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	83000.00 lb
Drill Pipe Above KB:	23.00 ft			Final	83000.00 lb
Depth to Top Packer:	4772.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	66.00 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			4745.00	
Shut In Tool	5.00			4750.00	
Hydraulic tool	5.00			4755.00	
Jars	5.00			4760.00	
Safety Joint	3.00			4763.00	
Packer	5.00			4768.00	28.00 Bottom Of Top Packer
Packer	4.00			4772.00	
Stubb	1.00			4773.00	
Recorder	0.00	8355	Outside	4773.00	
Recorder	0.00	8674	Inside	4773.00	
Perforations	32.00			4805.00	
Bullnose	5.00			4810.00	38.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Landmark Resources , Inc.

17-17s-34w Scott,KS

1616 S Voss Rd Ste 600
Houston TX 77057

Decker #3-17

Job Ticket: 58675

DST#: 5

ATTN: Wes Hansen

Test Start: 2015.07.10 @ 08:30:00

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: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud oil spots	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

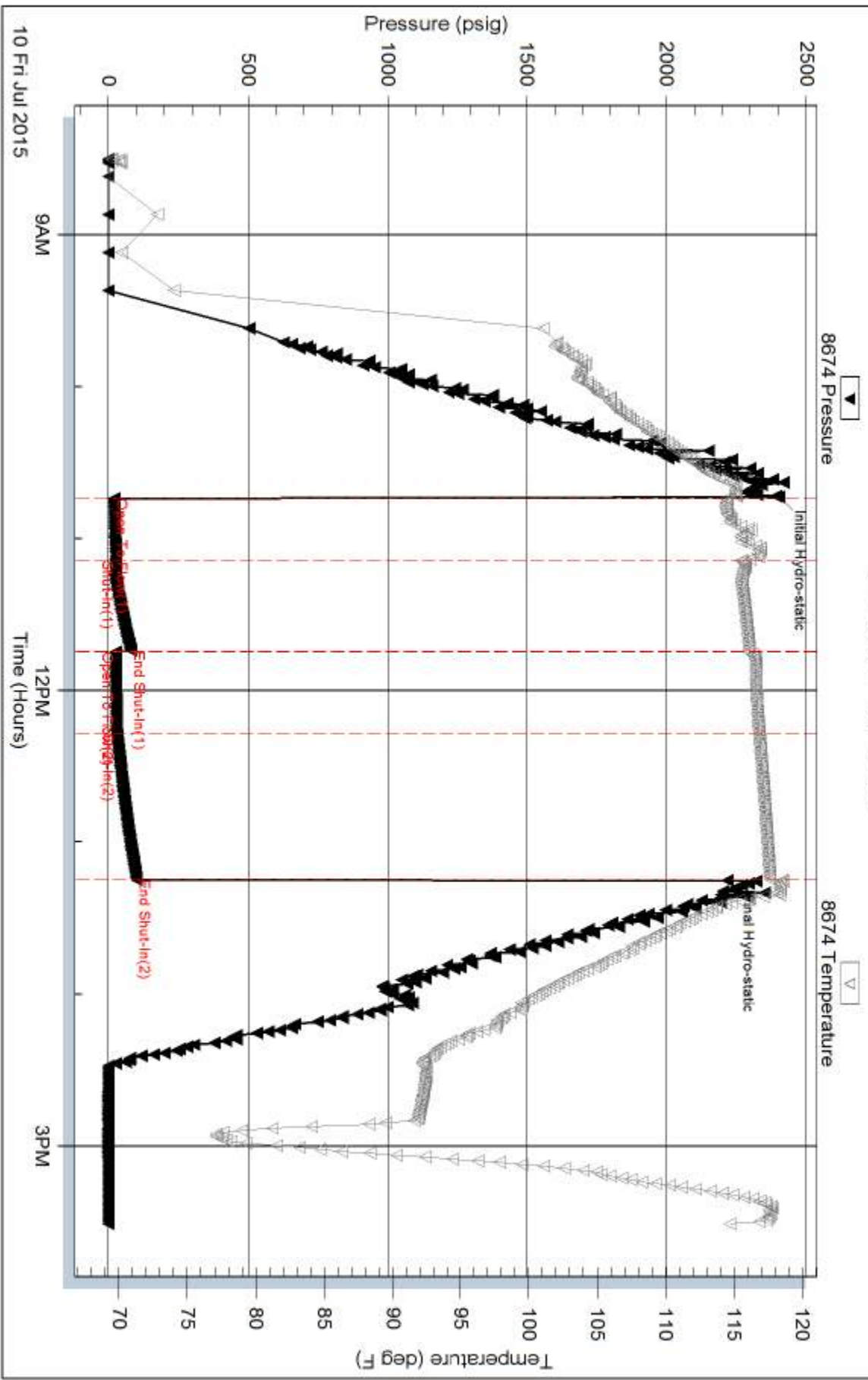
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

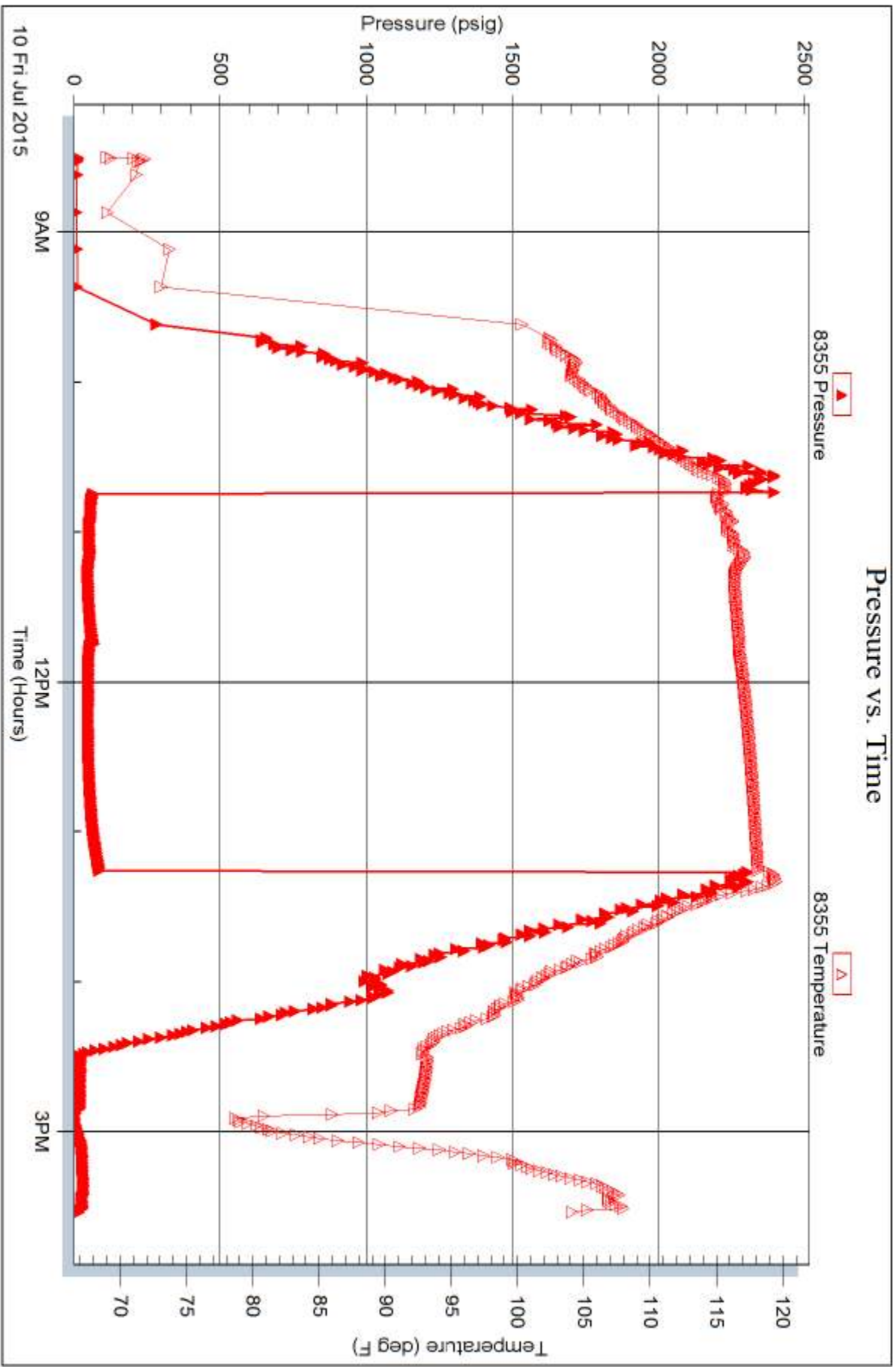


Serial #: 8355

Outside Landmark Resources, Inc.

Decker #3-17

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 58675

Printed: 2015.07.13 @ 10:55:48



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58671

Well Name & No. Decker #3-17 Test No. 1 Date 07/07
 Company Landmark Resources, Inc. Elevation 3154 KB 3143 GL
 Address 1414 S VOSS RD STE 600 Houston TX, 77057
 Co. Rep / Geo. Wes Hansen Rig Murfin 21
 Location: Sec. 17 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4254 4330 4330-4350 Zone Tested Lansing "H+I"
 Anchor Length 74' 20' Tail Drill Pipe Run 3955 Mud Wt. 9.4
 Top Packer Depth 4250 Drill Collars Run 278 Vis 55
 Bottom Packer Depth 4254 Wt. Pipe Run Ø WL 8.0
 Total Depth 4350 Chlorides 5200 ppm System LCM 2

Blow Description Mis-Run Lost Circulation
Hit a Bridge @ about 1900' in hole

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 587
- (B) First Initial Flow _____
- (C) First Final Flow _____
- (D) Initial Shut-In N/A
- (E) Second Initial Flow _____
- (F) Second Final Flow N/A
- (G) Final Shut-In _____
- (H) Final Hydrostatic 561

- Test 950
- Jars 250
- Safety Joint 75
- Circ Sub N/E
- Hourly Standby _____
- Mileage 40 BT 40
- Sampler _____
- Straddle 600
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1915

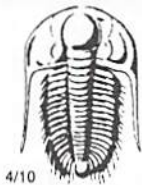
- T-On Location 03:30
- T-Started 04:45
- T-Open _____
- T-Pulled 06:30
- T-Out 07:20

- Comments _____
- Ruined Shale Packer _____
- Ruined Packer _____
- Extra Copies _____
- Sub Total 1915
- Total _____
- MP/DST Disc't _____

Approved By _____

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. 58672

Well Name & No. Decker #3-17 Test No. 2 Date 07/07
 Company Landmark Resources, Inc. Elevation 3154 KB 3143 GL
 Address 11114 S VOSS RD STE 600 Houston TX, 77057
 Co. Rep / Geo. Wes Hansen Rig Murfin 21
 Location: Sec. 17 Twp. 17S Rge. 34W Co. Scott State Ks

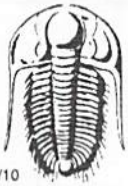
Interval Tested 4254 4330 4330 4350 Zone Tested Lensing # & T
 Anchor Length 76 w/over 20' tail Drill Pipe Run 3955 Mud Wt. 9.4
 Top Packer Depth 4256 Drill Collars Run 278 Vis 55
 Bottom Packer Depth 4254 Wt. Pipe Run 0 WL 8.0
 Total Depth 4350 Chlorides 5200 ppm System LCM 2
 Blow Description 30 weak surface blow build to 4 1/2"
45 No Return
45 weak surface blow build to 3 1/2"
90 No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>33</u>	<u>clean oil</u>				
<u>278</u>	<u>w/mco</u>		<u>50</u>	<u>10</u>	<u>40</u>

Rec Total 311 BHT 109 Gravity 24 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2139 Test 1150 T-On Location 12:45
 (B) First Initial Flow 25 Jars 250 T-Started 12:47
 (C) First Final Flow 90 Safety Joint 75 T-Open 14:52
 (D) Initial Shut-In 1114 Circ Sub N/C T-Pulled 15:22
 (E) Second Initial Flow 94 Hourly Standby _____ T-Out 20:23
 (F) Second Final Flow 144 Mileage 40 BT 40 Comments _____
 (G) Final Shut-In 1111 Sampler _____
 (H) Final Hydrostatic 1920 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2115
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2115

Approved By _____ 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. 58673

4/10

Well Name & No. Decker # 3-17 Test No. 3 Date 07/08
 Company Landmark Resources, Inc. Elevation 3164 KB 3143 GL
 Address 1416 S VOSS RD STE 600 Houston TX 77057
 Co. Rep / Geo. WES Hansen Rig Murfin 21
 Location: Sec. 17 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4482 4540 Zone Tested Marmaton
 Anchor Length 58 Drill Pipe Run 4204 Mud Wt. 9.2
 Top Packer Depth 4478 Drill Collars Run 278 Vis 6.6
 Bottom Packer Depth 4482 Wt. Pipe Run 0 WL 8.0
 Total Depth 4540 Chlorides 4400 ppm System LCM 6

Blow Description 30 weak surface blow Died in 3 mins
30 No Return
30 No Blow (Flush tool) No Blow
30 No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>68</u>	<u>06m</u>		<u>30%</u>		<u>70%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 68 BHT 114 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2281
 (B) First Initial Flow 22
 (C) First Final Flow 32
 (D) Initial Shut-In 1140
 (E) Second Initial Flow 41
 (F) Second Final Flow 53
 (G) Final Shut-In 1155
 (H) Final Hydrostatic 2145

Test 1150
 Jars 250
 Safety Joint 75
 Circ Sub N/C
 Hourly Standby
 Mileage 40 RT 40
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1515

T-On Location 14:20
 T-Started 14:23
 T-Open 17:11
 T-Pulled 19:11
 T-Out 2103

Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1515
 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58674

4/10

Well Name & No. Decker # 3-17 Test No. 4 Date 07/09
 Company Landmark Resources, Inc. Elevation 3154 KB 3143 GL
 Address 1416 S VOSS RD STE 600 Houston TX, 77057
 Co. Rep / Geo. Wes Hansen Rig Murfin 21
 Location: Sec. 17 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4534 4670 Zone Tested Altamont - thru - Fort Scott
 Anchor Length 136 Drill Pipe Run 4238 Mud Wt. 9.2
 Top Packer Depth 4530 Drill Collars Run 276 Vis 70
 Bottom Packer Depth 4534 Wt. Pipe Run Ø WL 8.8
 Total Depth 4670 Chlorides 5400 ppm System LCM 5

Blow Description 30 weak surface blow Died in 12 mins
30 No Return.
30 No Blow
30 No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud oil spots</u>	<u>1</u>		<u>99</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 113 Gravity - API RW - @ - °F Chlorides - ppm

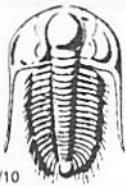
(A) Initial Hydrostatic	<u>2235</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>11:05</u>
(B) First Initial Flow	<u>23</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>11:15</u>
(C) First Final Flow	<u>28</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>13:45</u>
(D) Initial Shut-In	<u>965</u>	<input checked="" type="checkbox"/> Circ Sub	<u>N/C</u>	T-Pulled	<u>13:45</u>
(E) Second Initial Flow	<u>31</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>17:30</u>
(F) Second Final Flow	<u>34</u>	<input checked="" type="checkbox"/> Mileage	<u>40 RT 40</u>	Comments	
(G) Final Shut-In	<u>944</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>2076</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Sub Total 1515
 Total 1515
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58675

4/10

Well Name & No. Decker # 3-17 Test No. 5 Date 07/10
 Company Lendmark Resources, Inc. Elevation 3154 KB 3143 GL
 Address 1616 S VOSS RD STE 600 Houston TX 77057
 Co. Rep / Geo. Wes Hansen Rig Murfin 21
 Location: Sec. 17 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4772 4810 Zone Tested Johnson Zone
 Anchor Length 38 Drill Pipe Run 4489 Mud Wt. 9.2
 Top Packer Depth 4768 Drill Collars Run 278 Vis 70
 Bottom Packer Depth 4772 Wt. Pipe Run Ø WL 8.8
 Total Depth 4810 Chlorides 5400 ppm System LCM 5
 Blow Description 30 weak surface blow died 15 mins
30 No Return
30 No Blow
60 No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud oil spots</u>				

Rec Total 10 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2402</u>	<input checked="" type="checkbox"/> Test <u>1515</u>	T-On Location <u>8:25</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>8:30</u>
(C) First Final Flow <u>26</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>10:45</u>
(D) Initial Shut-In <u>81</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>13:15</u>
(E) Second Initial Flow <u>27</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>15:31</u>
(F) Second Final Flow <u>30</u>	<input checked="" type="checkbox"/> Mileage <u>40 BT 40</u>	Comments
(G) Final Shut-In <u>101</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2218</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Open <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Initial Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1515</u>
Final Flow <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
Final Shut-In <u>60</u>	Sub Total <u>1515</u>	

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