



DRILL STEM TEST REPORT

Prepared For: **Funk Petroleum LLC**

2110 N 1184 th Rd
Eudora, KS 66025

ATTN: Tom Funk

LNK Farms #1-3

3-12s-32w Logan,KS

Start Date: 2015.09.22 @ 20:38:57

End Date: 2015.09.23 @ 04:27:57

Job Ticket #: 61750 DST #: 1

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Funk Petroleum LLC

3-12s-32w Logan, KS

2110 N 1184 th Rd
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LNK Farms #1-3

Job Ticket: 61750

DST#: 1

ATTN: Tom Funk

Test Start: 2015.09.22 @ 20:38:57

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:17:57

Time Test Ended: 04:27:57

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

Interval: 4596.00 ft (KB) To 4640.00 ft (KB) (TVD)

Reference Elevations: 3035.00 ft (KB)

Total Depth: 4640.00 ft (KB) (TVD)

3028.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8166 Outside

Press@RunDepth: 79.18 psig @ 4597.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.09.22

End Date:

2015.09.23

Last Calib.:

2015.09.23

Start Time: 20:39:02

End Time:

04:27:56

Time On Btm:

2015.09.22 @ 22:17:27

Time Off Btm:

2015.09.23 @ 02:18:57

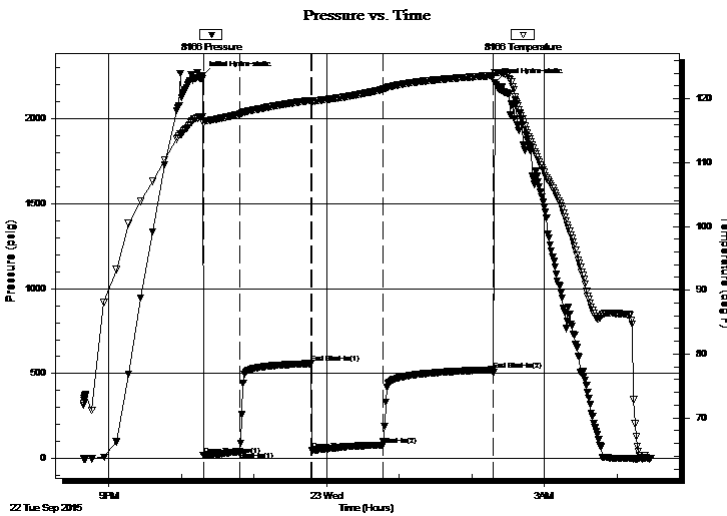
TEST COMMENT: IF: 1/4" blow built to 1 1/2".

IS: No return.

FF: Surface blow built to 1 1/2"

FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.65	117.21	Initial Hydro-static
1	17.29	116.20	Open To Flow (1)
31	40.01	117.60	Shut-In(1)
90	559.02	119.76	End Shut-In(1)
91	47.07	119.62	Open To Flow (2)
149	79.18	121.50	Shut-In(2)
240	522.40	123.64	End Shut-In(2)
242	2214.88	124.15	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
144.00	mud oil spots 100%m	0.89

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



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TOOL DIAGRAM

Funk Petroleum LLC

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Eudora, KS 66025

LNK Farms #1-3

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DST#: 1

ATTN: Tom Funk

Test Start: 2015.09.22 @ 20:38:57

Tool Information

Drill Pipe:	Length: 4484.00 ft	Diameter: 3.80 inches	Volume: 62.90 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 63.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4596.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Stubb	1.00			4577.00	
Shut In Tool	5.00			4582.00	
Hydraulic tool	5.00			4587.00	
Packer	5.00			4592.00	20.00 Bottom Of Top Packer
Packer	4.00			4596.00	
Stubb	1.00			4597.00	
Recorder	0.00	8373	Inside	4597.00	
Recorder	0.00	8166	Outside	4597.00	
Perforations	5.00			4602.00	
Change Over Sub	1.00			4603.00	
Drill Pipe	31.00			4634.00	
Change Over Sub	1.00			4635.00	
Bullnose	5.00			4640.00	44.00 Bottom Packers & Anchor

Total Tool Length: 64.00



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FLUID SUMMARY

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LNK Farms #1-3

Job Ticket: 61750

DST#: 1

ATTN: Tom Funk

Test Start: 2015.09.22 @ 20:38:57

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
144.00	mud oil spots 100%m	0.890

Total Length: 144.00 ft Total Volume: 0.890 bbl

Num Fluid Samples: 0

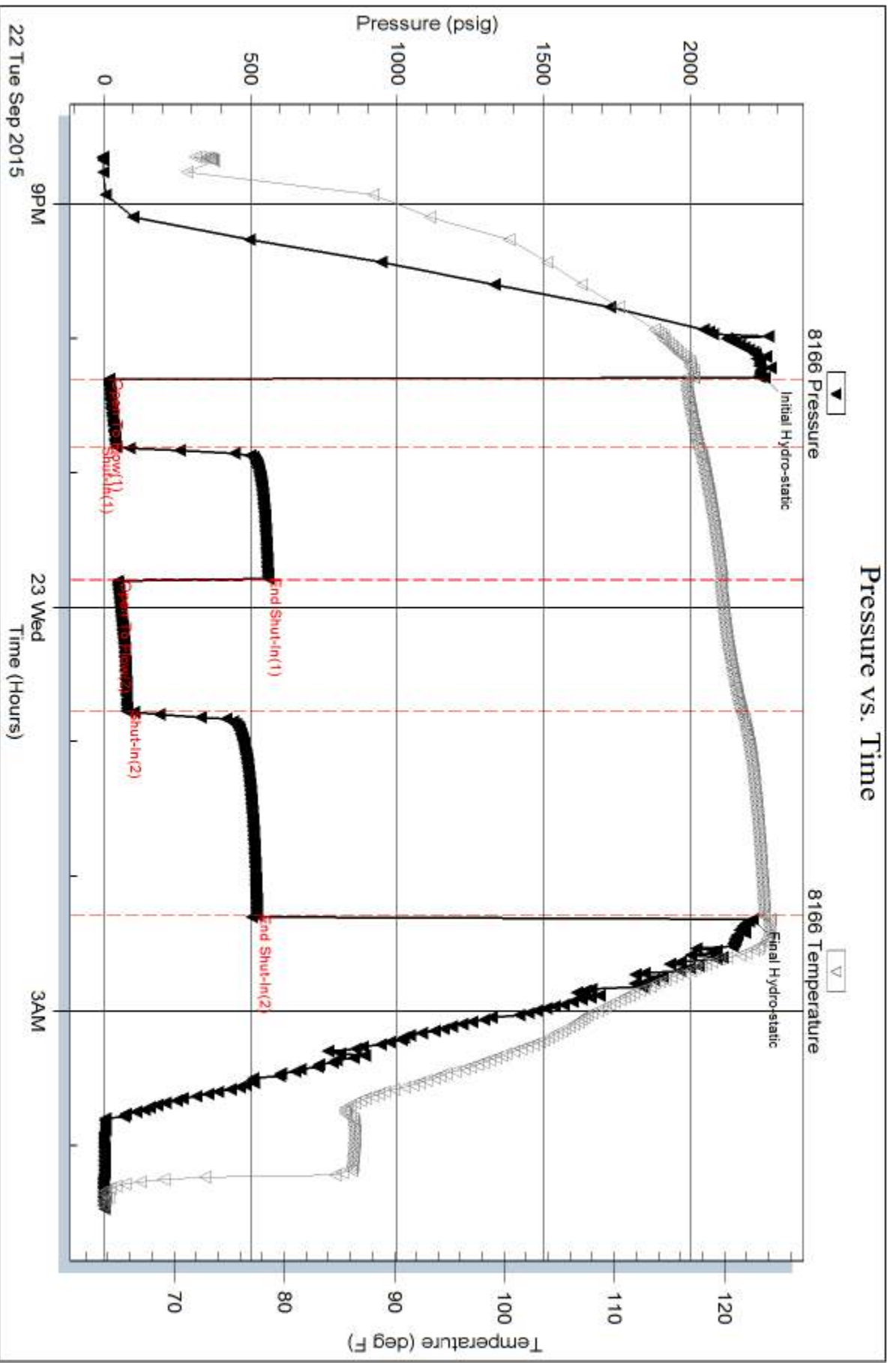
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



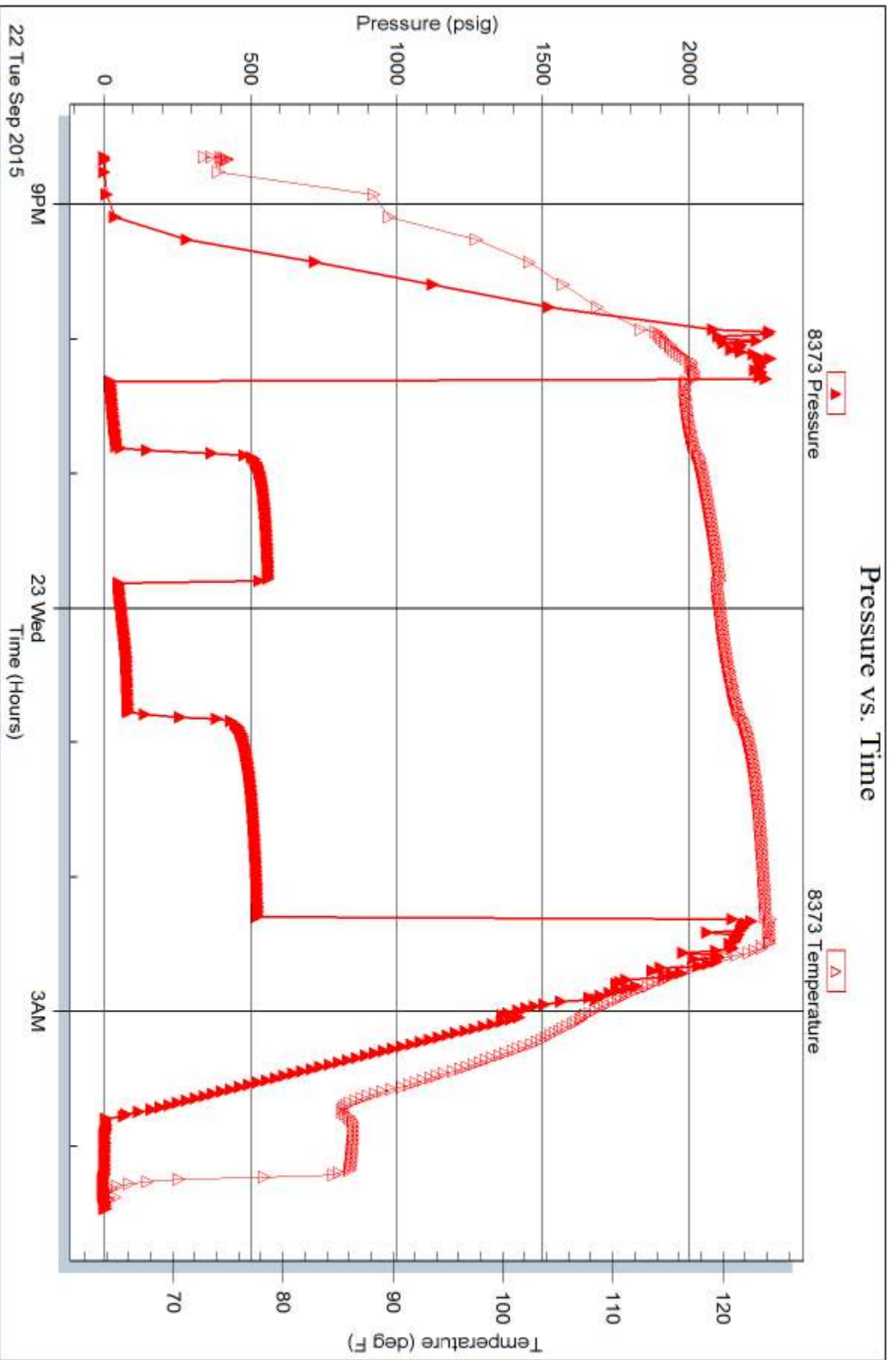
Serial #: 8373

Inside

Funk Petroleum LLC

LNK Farms #1-3

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 61750

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