

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **MTM Petl.Inc.**

P.O.Box 82
Spivey KS 67142

ATTN: Jerry A. Smith

1-31s-8w Harper Ks.

McIntire #2

Start Date: 2005.09.29 @ 20:20:59

End Date: 2005.09.30 @ 04:51:14

Job Ticket #: 21775 DST #: 1

15-077-21530-00-00

MTM Petl.Inc.

McIntire #2

1-31s-8w Harper Ks.

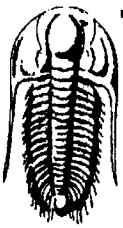
DST # 1

Miss.

2005.09.29

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

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

MTM Petil. Inc.

McIntire #2

P.O.Box 82
Spivey KS 67142

1-31s-8w Harper Ks.

Job Ticket: 21775

DST#: 1

ATTN: Jerry A. Smith

Test Start: 2005.09.29 @ 20:20:59

Tool Information

Drill Pipe:	Length: 4130.00 ft	Diameter: 3.80 inches	Volume: 57.93 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 270.00 ft	Diameter: 2.25 inches	Volume: 1.33 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4407.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

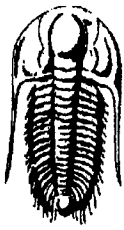
Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4386.00	
Shut In Tool	5.00			4391.00	
Hydraulic tool	5.00			4396.00	
Safety Joint	2.00			4398.00	
Packer	4.00			4402.00	22.00 Bottom Of Top Packer
Packer	5.00			4407.00	
Stubb	1.00			4408.00	
Recorder	0.00	6771	Inside	4408.00	
Perforations	9.00			4417.00	
Recorder	0.00	13222	Outside	4417.00	
Bullnose	5.00			4422.00	15.00 Bottom Packers & Anchor

Total Tool Length: 37.00

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DRILL STEM TEST REPORT

FLUID SUMMARY

MTM Petl. Inc.

McIntire #2

P.O.Box 82
Spivey KS 67142

1-31s-8w Harper Ks.

Job Ticket: 21775

DST#: 1

ATTN: Jerry A. Smith

Test Start: 2005.09.29 @ 20:20:59

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:

5000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
30.00	Drig.mud. Show of clean oil @ tool.	0.148
0.00	3400 ft. of GIP	0.000

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6771

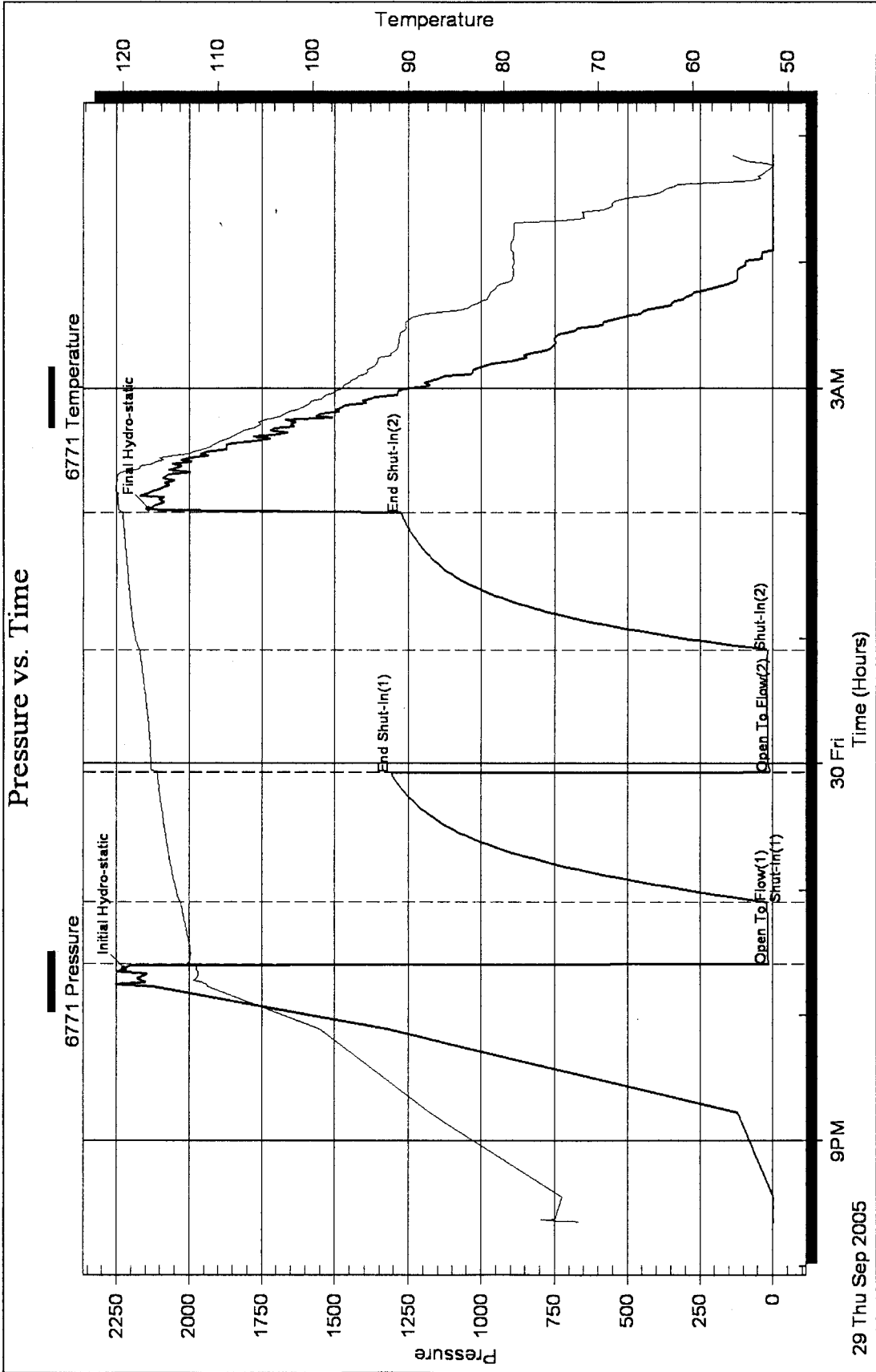
Inside

MTM Petl, Inc.

1-31s-8w Harper Ks.

DST Test Number: 1

Pressure vs. Time



29 Thu Sep 2005 9PM

3AM

30 Fri Time (Hours)

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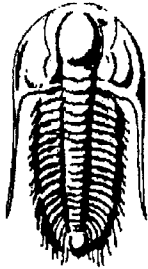
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Mobile Testing, Inc

Ref. No: 21775

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TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **MTM Petl.Inc.**

P.O.Box 82
Spivey KS 67142

ATTN: Jerry A.Smith

1-31s-8w Harper Ks.

McIntire #2

Start Date: 2005.09.30 @ 12:55:12

End Date: 2005.09.30 @ 21:09:42

Job Ticket #: 21976 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

MTM Petl.Inc.

McIntire #2

1-31s-8w Harper Ks.

DST # 2

Miss.

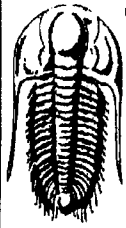
2005.09.30

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DRILL STEM TEST REPORT

MTM Petl. Inc.

McIntire #2

P.O. Box 82
Spivey KS 67142

1-31s-8w Harper Ks.

Job Ticket: 21976

DST#: 2

ATTN: Jerry A. Smith

Test Start: 2005.09.30 @ 12:55:12

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 15:27:42

Time Test Ended: 21:09:42

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **23**

Interval: **4422.00 ft (KB) To 4437.00 ft (KB) (TVD)**

Total Depth: **4437.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1655.00 ft (KB)**

1646.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: **6771**

Inside

Press@RunDepth: **178.56 psig @ 4423.00 ft (KB)**

Start Date: **2005.09.30**

End Date:

2005.09.30

Capacity: **7000.00 psig**

Last Calib.: **2005.09.30**

Start Time: **12:55:17**

End Time:

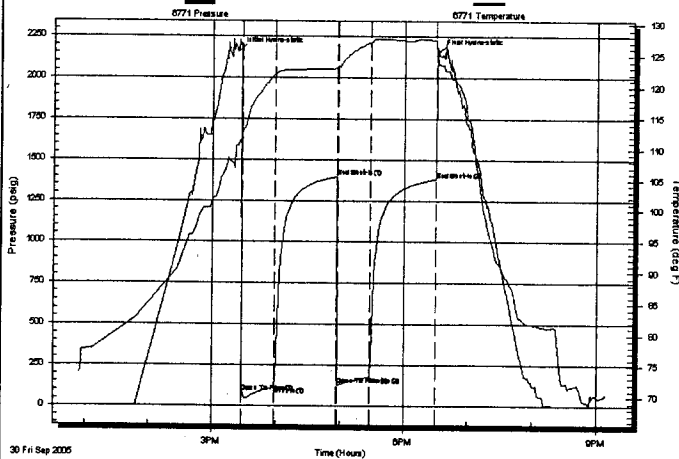
21:09:41

Time On Btm: **2005.09.30 @ 15:23:57**

Time Off Btm: **2005.09.30 @ 18:32:12**

TEST COMMENT: IF: Strong blow . B.O.B. in 55 secs.
IS: Weak blow . Increase to 2".
FF: Strong blow . B.O.B. in 7 mins.
FS: Fair blow . Increase to 7".

Pressure vs. Time



PRESSURE SUMMARY

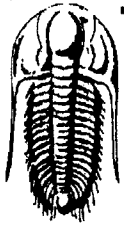
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2160.35	110.68	Initial Hydro-static
4	83.54	112.36	Open To Flow (1)
35	119.65	122.02	Shut-In(1)
93	1398.40	122.95	End Shut-In(1)
94	127.84	123.24	Open To Flow (2)
125	178.56	127.08	Shut-In(2)
186	1383.06	127.49	End Shut-In(2)
189	2149.79	123.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	SW w/o specs. Rw .07 ohms @ 77 deg. 1.18	
90.00	SOCMW 4%o 21% m 74% w	0.99
45.00	GOCM 20% g 128% o 62% m	0.63
0.00	1340 ft. of GIP	0.00

Gas Rates

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



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Job Ticket: 21976

DST#: 2

ATTN: Jerry A. Smith

Test Start: 2005.09.30 @ 12:55:12

Tool Information

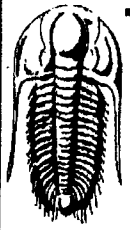
Drill Pipe:	Length: 4160.00 ft	Diameter: 3.80 inches	Volume: 58.35 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 270.00 ft	Diameter: 2.25 inches	Volume: 1.33 bbl	Weight to Pull Loose: 71000.00 lb
			<u>Total Volume: 59.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4422.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	37.00 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			4401.00	
Shut In Tool	5.00			4406.00	
Hydraulic tool	5.00			4411.00	
Safety Joint	2.00			4413.00	
Packer	4.00			4417.00	22.00 Bottom Of Top Packer
Packer	5.00			4422.00	
Stubb	1.00			4423.00	
Recorder	0.00	6771	Inside	4423.00	
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Job Ticket: 21976

DST#: 2

ATTN: Jerry A. Smith

Test Start: 2005.09.30 @ 12:55:12

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:	101000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.38 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	SW w/o specs. Rw .07 ohms @ 77 deg.	1.180
90.00	SOCMW 4%o 21% m 74% w	0.989
45.00	GOCM 20% g 128% o 62% m	0.631
0.00	1340 ft. of GIP	0.000

Total Length: 375.00 ft Total Volume: 2.800 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6771

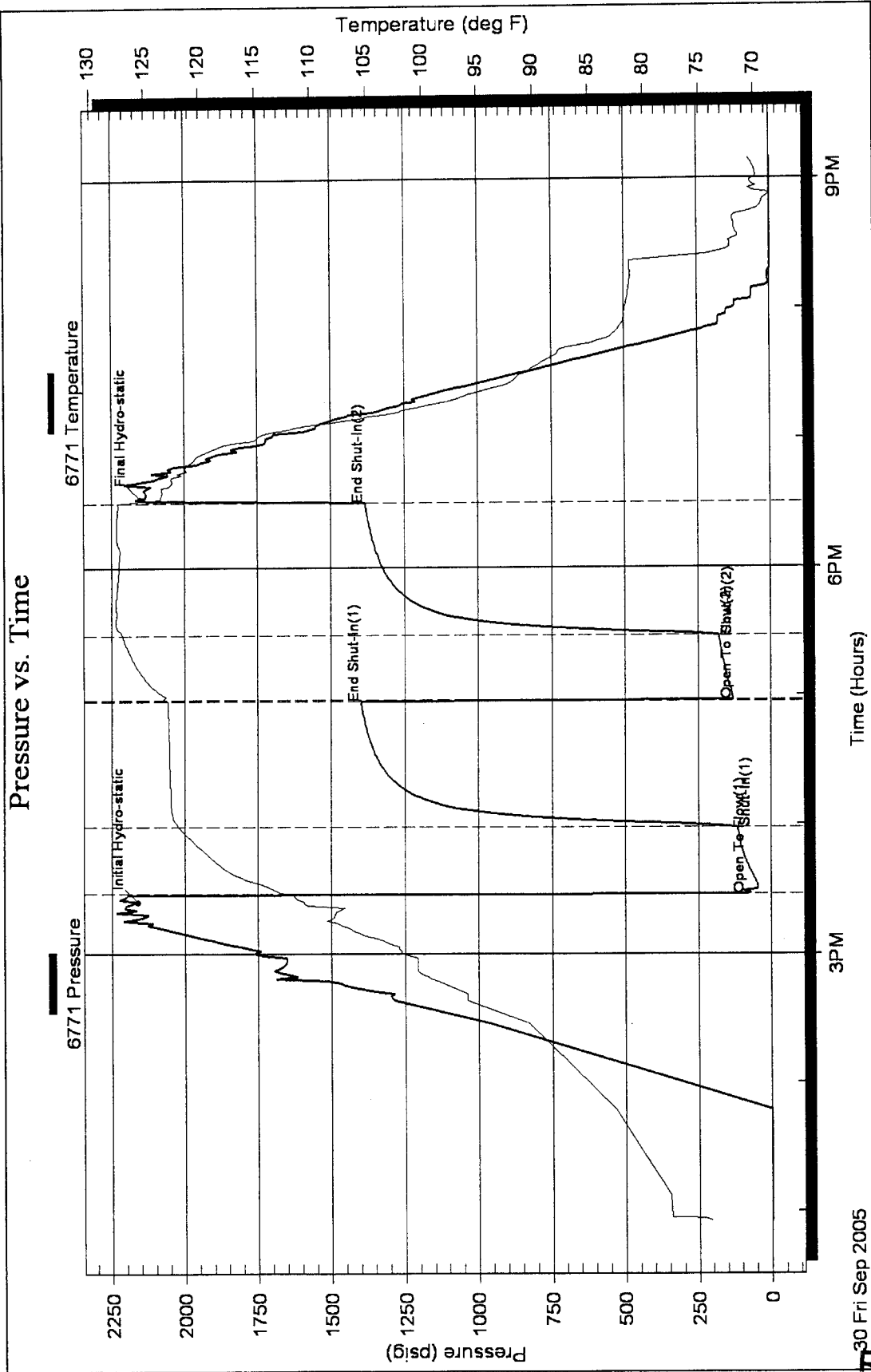
Inside

MTM Petli, Inc.

1-31s-8w Harper Ks.

DST Test Number: 2

Pressure vs. Time



30 Fri Sep 2005

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Mobile Testing, Inc

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