



DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc.**

525S. Main St.
Kingman, KS 67068

ATTN: Jon Messenger

Molitor 'G' #1

14-29s-9w Kingman,KS

Start Date: 2014.06.01 @ 14:59:08

End Date: 2014.06.02 @ 01:38:53

Job Ticket #: 54178 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Messenger Petroleum Inc.

14-29s-9w Kingman,KS

525S. Main St.
Kingman, KS 67068

Molitor 'G' #1

Job Ticket: 54178

DST#: 1

ATTN: Jon Messenger

Test Start: 2014.06.01 @ 14:59:08

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:21:53

Time Test Ended: 01:38:53

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 53

Interval: 4209.00 ft (KB) To 4230.00 ft (KB) (TVD)

Reference Elevations: 1709.00 ft (KB)

Total Depth: 4230.00 ft (KB) (TVD)

1702.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 6773 Outside

Press@RunDepth: 151.39 psig @ 4210.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.01

End Date:

2014.06.02

Last Calib.:

2014.06.02

Start Time: 14:59:13

End Time:

01:38:53

Time On Btm:

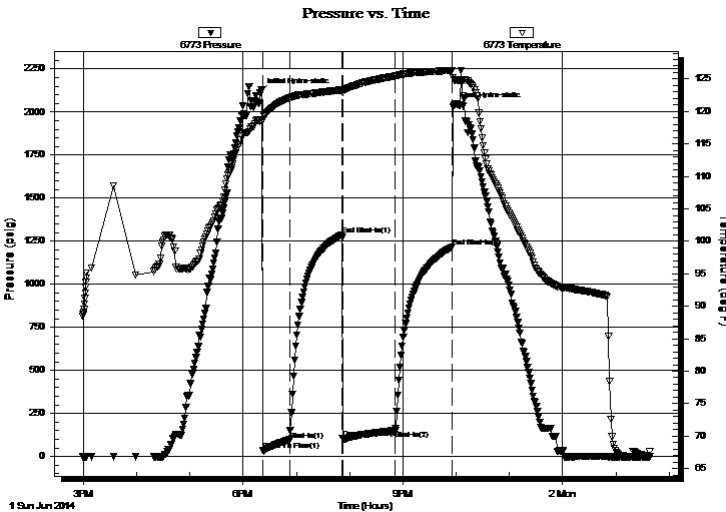
2014.06.01 @ 18:19:23

Time Off Btm:

2014.06.01 @ 21:56:53

TEST COMMENT: IF: Strong blow . B.O.B. in 45 secs,
IS: No blow . 4 mins to bleed off.
FF: Strong blow . B.O.B. in 9 mins.
FS: Weak blow . Surf., - 1/2".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.48	118.49	Initial Hydro-static
3	36.02	118.69	Open To Flow (1)
33	94.57	122.09	Shut-In(1)
93	1288.24	123.32	End Shut-In(1)
93	106.60	123.00	Open To Flow (2)
153	151.39	125.45	Shut-In(2)
217	1217.69	126.33	End Shut-In(2)
218	2029.47	125.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	SOWCM 3%g 10%o 97%w	0.89
30.00	GOMCW 2%o 3%g 20%w 75%w	0.15
31.00	GOMCW 2%o 3%g 20%w 75%w	0.43
62.00	GOWCM 5%g 5%o 20%w 70%w	0.87
0.00	868' G.I.P. 100%g	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TESTING, INC**

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TOOL DIAGRAM

Messenger Petroleum Inc.

14-29s-9w Kingman,KS

525S. Main St.
Kingman, KS 67068

Molitor 'G' #1

Job Ticket: 54178

DST#: 1

ATTN: Jon Messenger

Test Start: 2014.06.01 @ 14:59:08

Tool Information

Drill Pipe:	Length: 3992.00 ft	Diameter: 3.80 inches	Volume: 56.00 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	88000.00 lb
			<u>Total Volume: 57.03 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	82000.00 lb
Depth to Top Packer:	4209.00 ft			Final	86000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	21.00 ft				
Tool Length:	49.00 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			4182.00	
Shut In Tool	5.00			4187.00	
Hydraulic tool	5.00			4192.00	
Jars	5.00			4197.00	
Safety Joint	3.00			4200.00	
Packer	4.00			4204.00	28.00 Bottom Of Top Packer
Packer	5.00			4209.00	
Stubb	1.00			4210.00	
Recorder	0.00	6719	Outside	4210.00	
Recorder	0.00	6773	Outside	4210.00	
Perforations	17.00			4227.00	
Bullnose	3.00			4230.00	21.00 Bottom Packers & Anchor

Total Tool Length: 49.00



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FLUID SUMMARY

Messenger Petroleum Inc.

14-29s-9w Kingman,KS

525S. Main St.
Kingman, KS 67068

Molitor 'G' #1

Job Ticket: 54178

DST#: 1

ATTN: Jon Messenger

Test Start: 2014.06.01 @ 14:59:08

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:

46000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

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 bbbl
180.00	SOWCM 3%m 10%o 97%w	0.885
30.00	GOMCW 2%o 3%g 20%m 75%w	0.148
31.00	GOMCW 2%o 3%g 20%m 75%w	0.435
62.00	GOWCM 5%g 5%o 20%w 70%m	0.870
0.00	868' G.I.P. 100%g	0.000

Total Length: 303.00 ft Total Volume: 2.338 bbl

Num Fluid Samples: 0

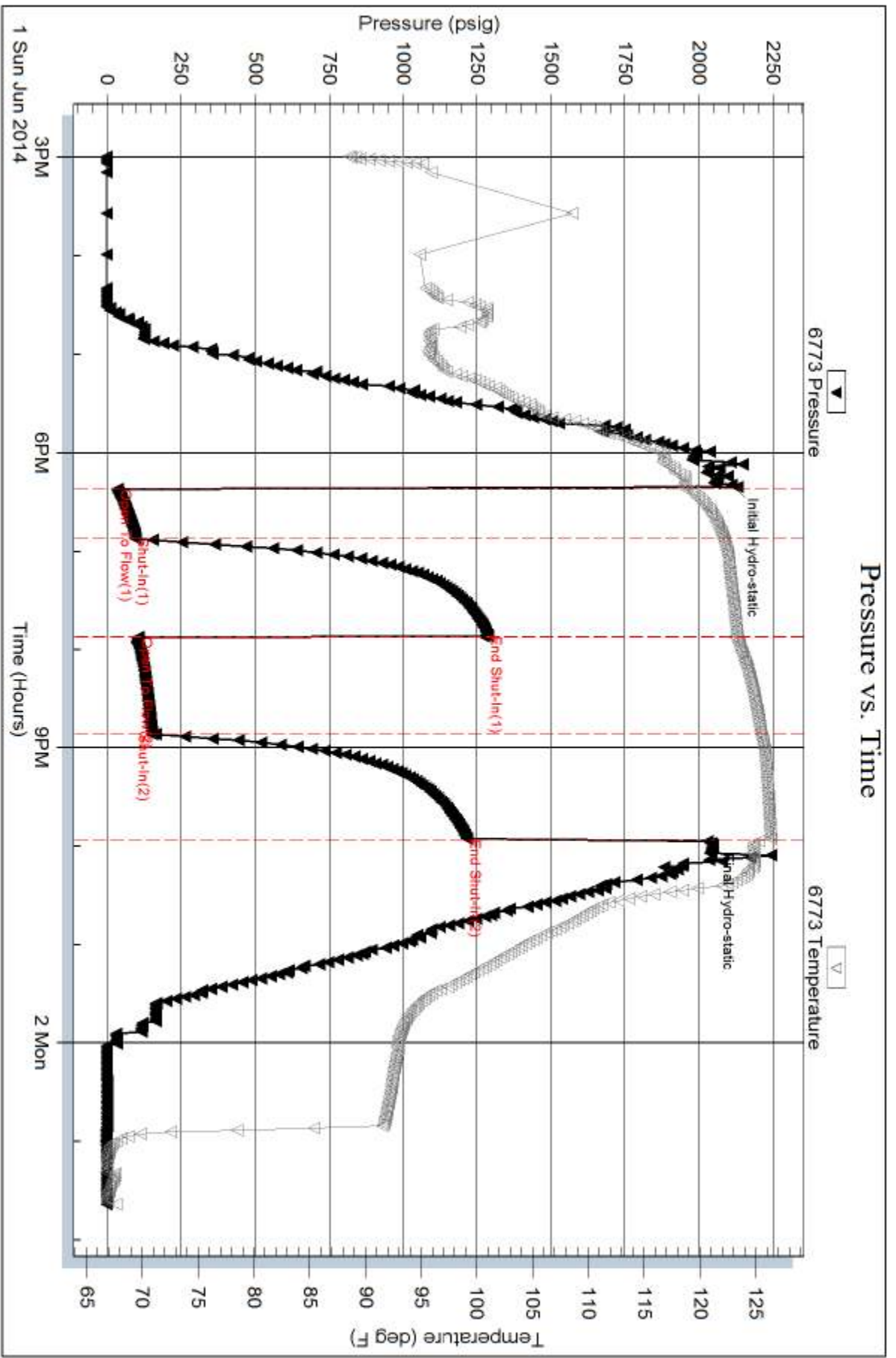
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .17 @ 68 degrees = 46,000.

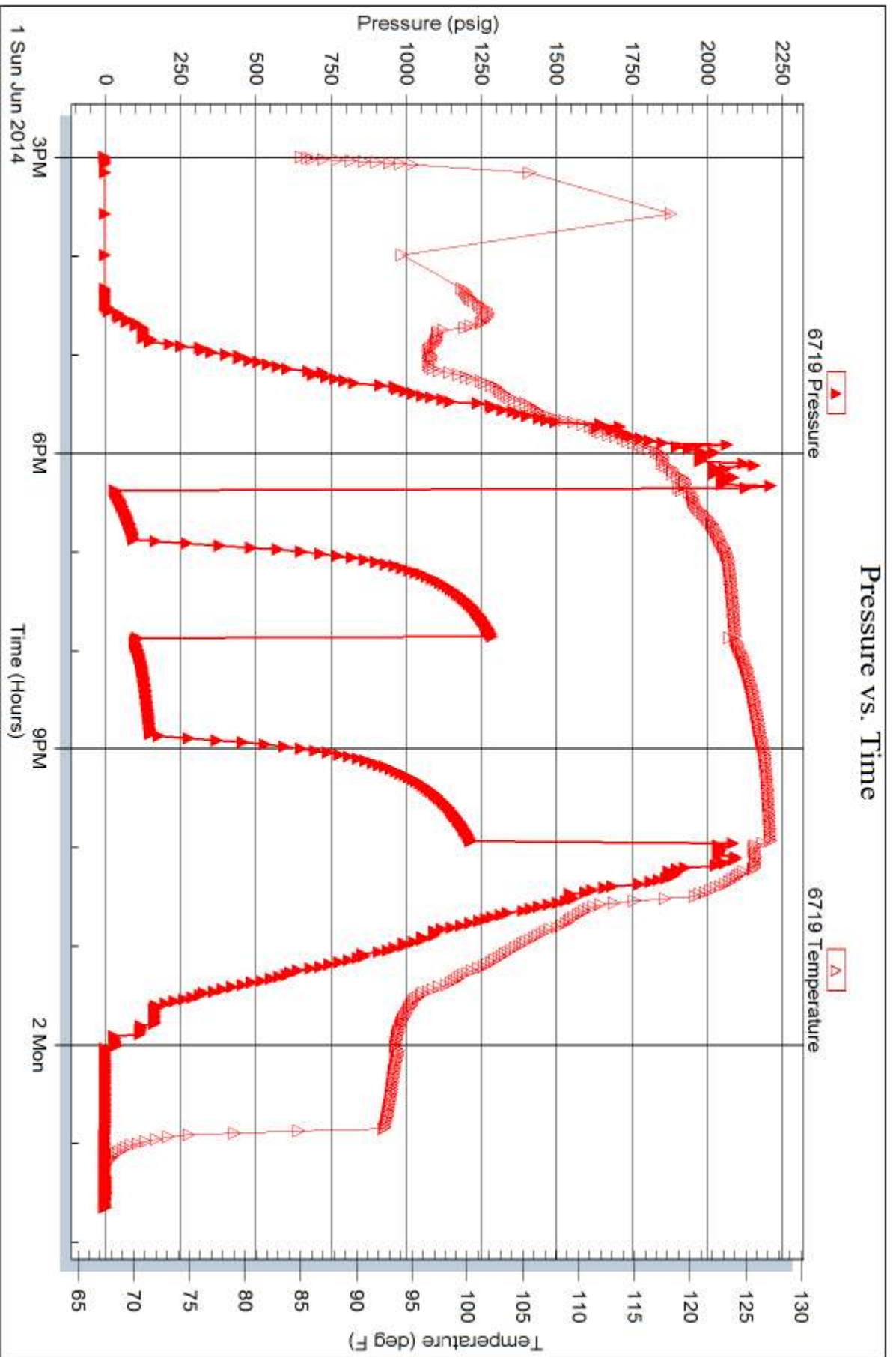


Serial #: 6719

Outside Messenger Petroleum Inc.

Molitor G#1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 54178

Printed: 2014.06.05 @ 08:45:44



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 54178

Well Name & No. Molitor 'G' #1 Test No. 1 Date 6/1/14
 Company Messenger Petroleum, Inc. Elevation 1709 KB 1702 GL
 Address 525 S. Main St. Kingman, KS. 67068
 Co. Rep / Geo. Jon Messengee Rig Sterling Rig #4
 Location: Sec. 14 Twp. 29S Rge. 9W Co. Kingman State KS.

Interval Tested 4209 - 4230 Zone Tested Mississippi
 Anchor Length 21' Drill Pipe Run 3992 Mud Wt. 9.4
 Top Packer Depth 4204 Drill Collars Run 210 Vis 52
 Bottom Packer Depth 4209 Wt. Pipe Run 2 WL 9.6
 Total Depth 4230 Chlorides 4,000 ppm System LCM 2nd

Blow Description IF: Strong blow. B.O.B. in 45 secs.
ISI: No blow. 4 mins to bleed off.
FF: Strong blow. B.O.B. in 9 mins.
FSI: Weak blow. Surf., - 1/4" to 1/2".

Rec	Feet of	%gas	%oil	%water	%mud
<u>868'</u>	<u>G.I.P.</u>	<u>100%</u>			
<u>62'</u>	<u>GOWCM</u>	<u>5%</u>	<u>5%</u>	<u>20%</u>	<u>70%</u>
<u>31'</u>	<u>GOMCW</u>	<u>3%</u>	<u>2%</u>	<u>75%</u>	<u>20%</u>
<u>30'</u>	<u>GOMCW</u>	<u>3%</u>	<u>2%</u>	<u>75%</u>	<u>20%</u>
<u>180'</u>	<u>SHOWCM</u>	<u>%gas</u>	<u>10%</u>	<u>87%</u>	<u>3%</u>

Rec Total 303' BHT 126° Gravity N.A. API RW .17 @ 68 ° F Chlorides 46,000 ppm

(A) Initial Hydrostatic 2110
 (B) First Initial Flow 36
 (C) First Final Flow 95
 (D) Initial Shut-In 1288
 (E) Second Initial Flow 107
 (F) Second Final Flow 151
 (G) Final Shut-In 1218
 (H) Final Hydrostatic 2029

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 60

Test 1250
 Jars 250
 Safety Joint 75
 Circ Sub
 Hourly Standby
 Mileage 76.5 117.80
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1692.80

T-On Location 1440
 T-Started 1459
 T-Open 1821
 T-Pulled 2156
 T-Out 0138
 Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1692.80
 MP/DST Disc't _____

Approved By _____ Our Representative Matthew A. Smith

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