Sun Oil Well Cementing, Inc.

P.O. Box 169 Great Bend, Kansas 67530

DRILL STEM TEST DATA

Lease	Dyer	Well No. 1	Date 8/9/72
County	Barton	Sec. 7 Twp. 18 Rng. 14	Elevation
Company	L. G. Stephenson		Test No. 1
Contractor	Duke Drilling		Zone Tested K.C.
Charge To	L. G. Stephenson		Ticket No. 1016
Approved By	Richard Foley		Tester Bowman

Recorder No. 3600 Depth 3250 Recorder No. 3400 Depth 3329

Initial Flow Press. 27 To 29 28 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 543 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 29 To 29 P.S.I. Final Flow Period 15 Min.

Final Shut-in Press. 238 P.S.I. Final Shut-in 15 Min.

Initial Hydro Mud Press. 1816 P.S.I. Final Hydro Mud Press. 1816 P.S.I.

Temperature 106

Mud Weight 10.1 Viscosity 42

Fluid Loss

Interval Tested 3255 To 3331

Damage Ratio

$DR = .183 \frac{Ps - Pf}{m}$

Initial

Final

Top Packer Depth 3255 Surface Choke Size 5/8

Bottom Packer Depth Bottom Choke Size 5/8

Total Depth 3331 Main Hole Size 7 7/8

Drill Pipe Size 4½ FH Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Very weak - dead in 5 min.

Recovery 30' mud - few specks oil

	First Flow		Initial Shut-in		Second Flow		Final Shut-in	
	Min.	Press.	Min.	Press.	Min.	Press.	Min.	Press.
1.								
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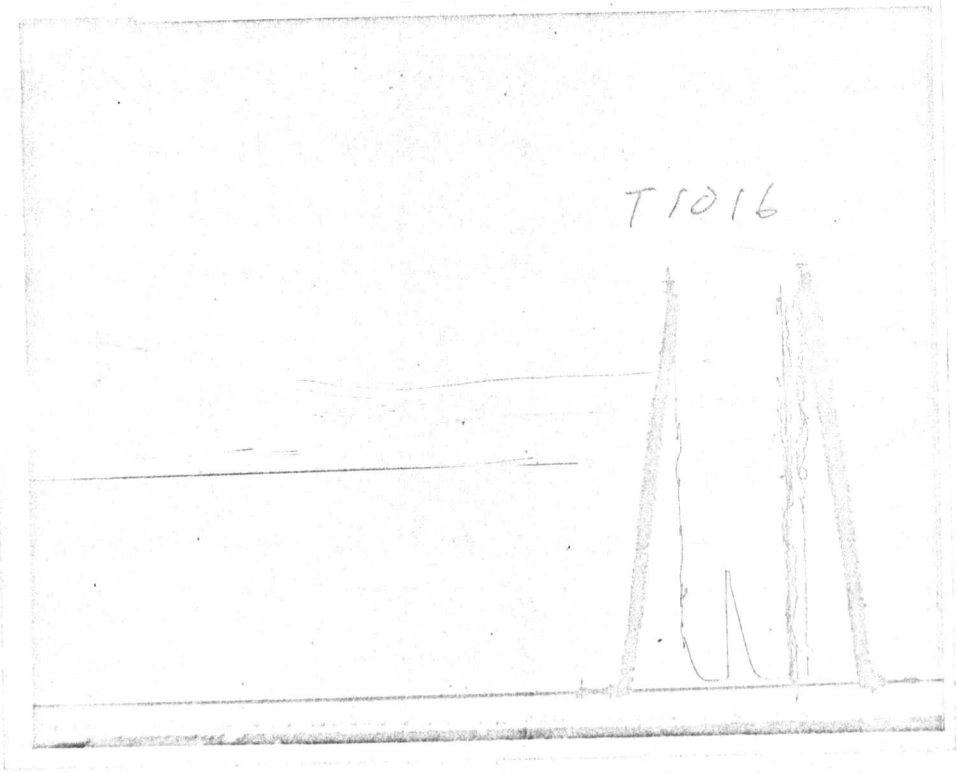
10.								

TEST NUMBER 1 TICKET NUMBER 1016



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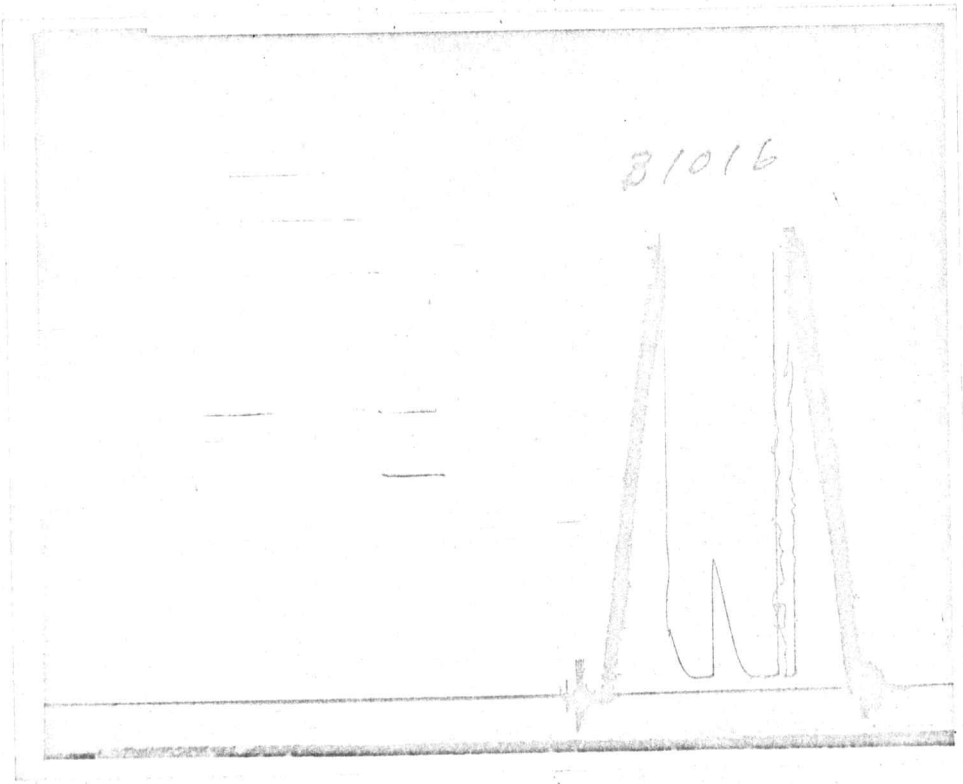

BOTTOM

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169 Great Bend, Kansas 67530

Lease	Dyer	Well No. 1	Date 8/10/72
County	Barton	Sec. 7 Twp. 18 Rng. 14	Elevation
Company	L. G. Stephenson		Test No. 2
Contractor	Duke Drilling		Zone Tested K.C.
Charge To	L. G. Stephenson		Ticket No. 1017
Approved By	Richard Foley		Tester Bowman

Recorder No. 3600 Depth 3323 Recorder No. 3400 Depth 3408

Initial Flow Press. 23 To 29 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 1185 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 40 To 64 P.S.I. Final Flow Period 90 Min.

Final Shut-in Press. 1908 P.S.I. Final Shut-in 40 Min.

Initial Hydro Mud Press. 1908 P.S.I. Final Hydro Mud Press. 1908 P.S.I.

Temperature 107

Mud Weight 10.1 Viscosity 42

Fluid Loss

Interval Tested 3328 To 3410

Damage Ratio

$DR = .183 \frac{Ps - Pf}{m}$

Initial

Final

Top Packer Depth 3328 Surface Choke Size 5/8

Bottom Packer Depth ---- Bottom Choke Size 5/8

Total Depth 3410 Main Hole Size 7 7/8

Drill Pipe Size 4½ FH Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Very weak blow throuout test

Recovery 120' muddy water

	First Flow		Initial Shut-in		Second Flow		Final Shut-in	
	Min.	Press.	Min.	Press.	Min.	Press.	Min.	Press.
1.								
2.								
3.								
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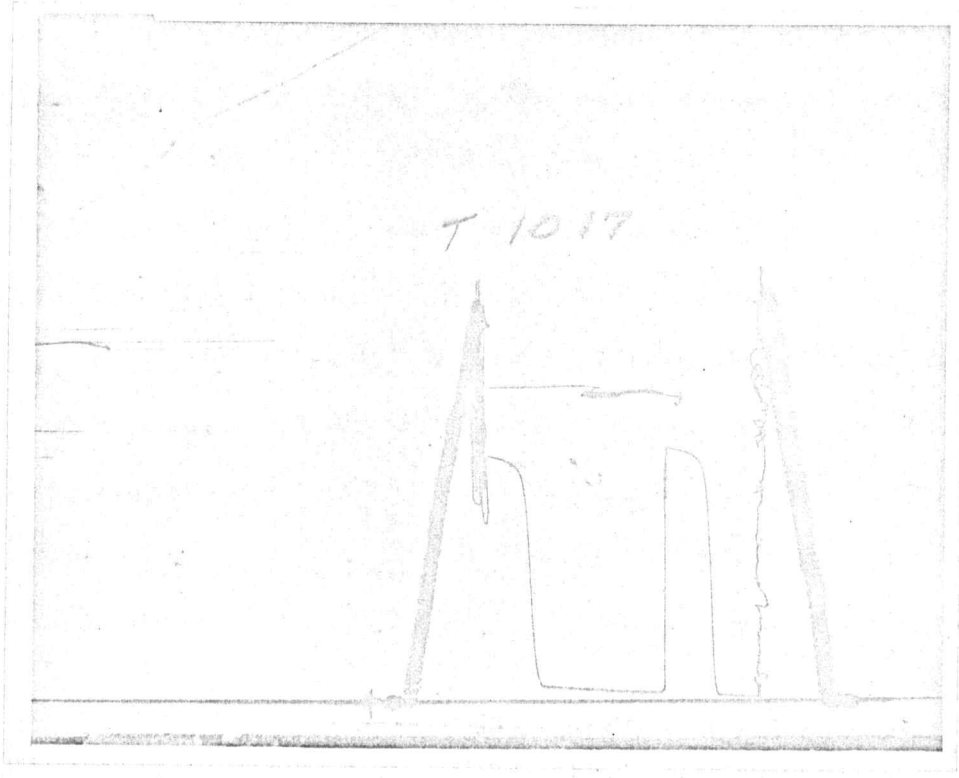
TEST NUMBER 2 TICKET NUMBER 1017



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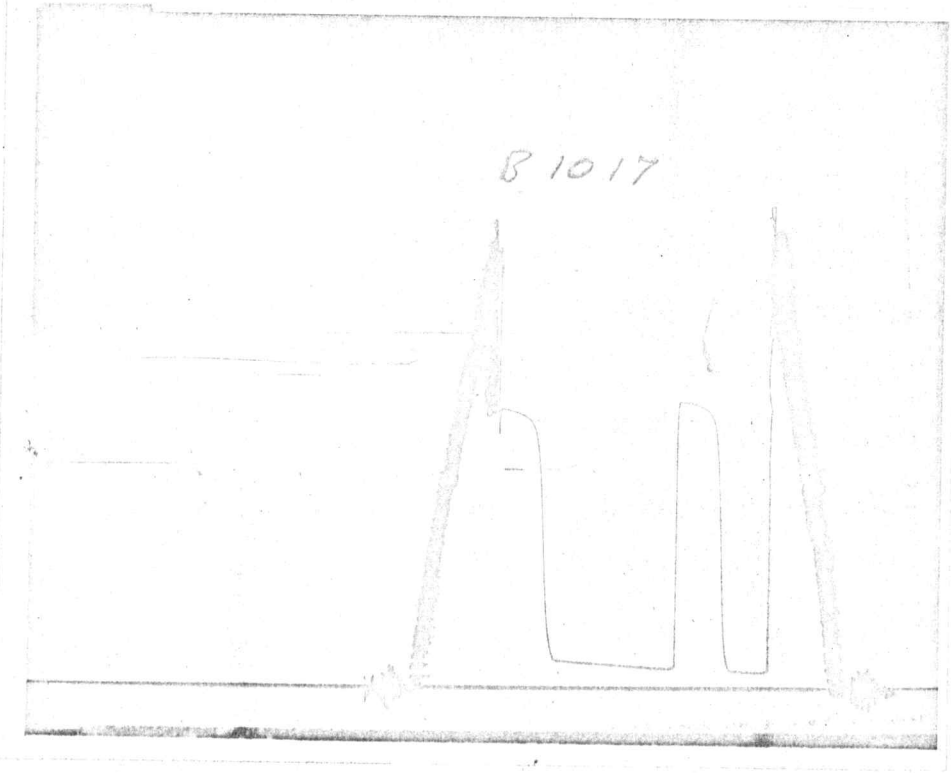

BOTTOM

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169 Great Bend, Kansas 67530

Lease	Dyer	Well No.	1
County	Barton	Sec. 7 Twp. 18 Rng. 14	
Company	L. G. Stephenson		
Contractor	Duke Drilling Co.		
Charge To	L. G. Stephenson		
Approved By	Richard Foley		

Date	8/10/72
Elevation	
Test No.	3
Zone Tested	K.C.
Ticket No.	1018
Tester	Bowman

Recorder No. 3600 Depth 3400 Recorder No. 3400 Depth 3476

Initial Flow Press. 28 To 28 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 57 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 28 To 28 P.S.I. Final Flow Period 15 Min.

Final Shut-in Press. 47 P.S.I. Final Shut-in 15 Min.

Initial Hydro Mud Press. 1981 P.S.I. Final Hydro Mud Press. P.S.I.

Temperature 107

Mud Weight 10.1 Viscosity 40

Fluid Loss

Interval Tested 3405 To 3478

Damage Ratio

$DR = .183 \frac{Ps - Pf}{m}$

Initial

Final

Top Packer Depth 3405 Surface Choke Size 5/8

Bottom Packer Depth ----- Bottom Choke Size

Total Depth 3478 Main Hole Size 7 7/8

Drill Pipe Size 4½ FH Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Very weak blow - dead in 4 min.

Recovery 20' mud

	First Flow		Initial Shut-in		Second Flow		Final Shut-in	
	Min.	Press.	Min.	Press.	Min.	Press.	Min.	Press.
1.								
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3.								
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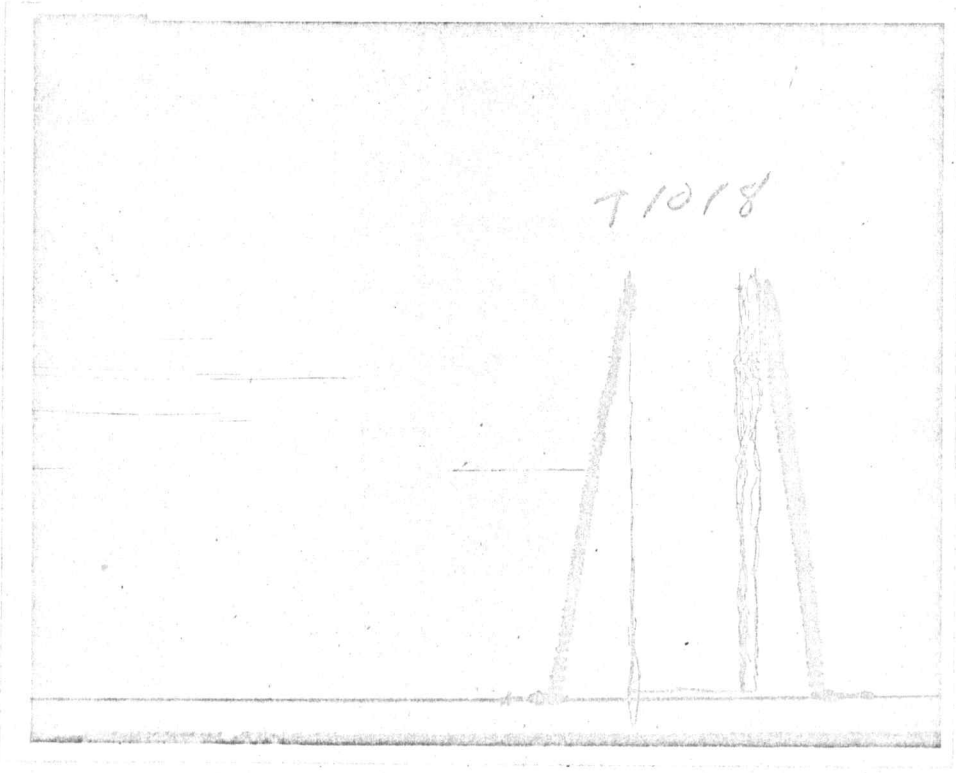
10.								

TEST NUMBER 3 TICKET NUMBER 1018



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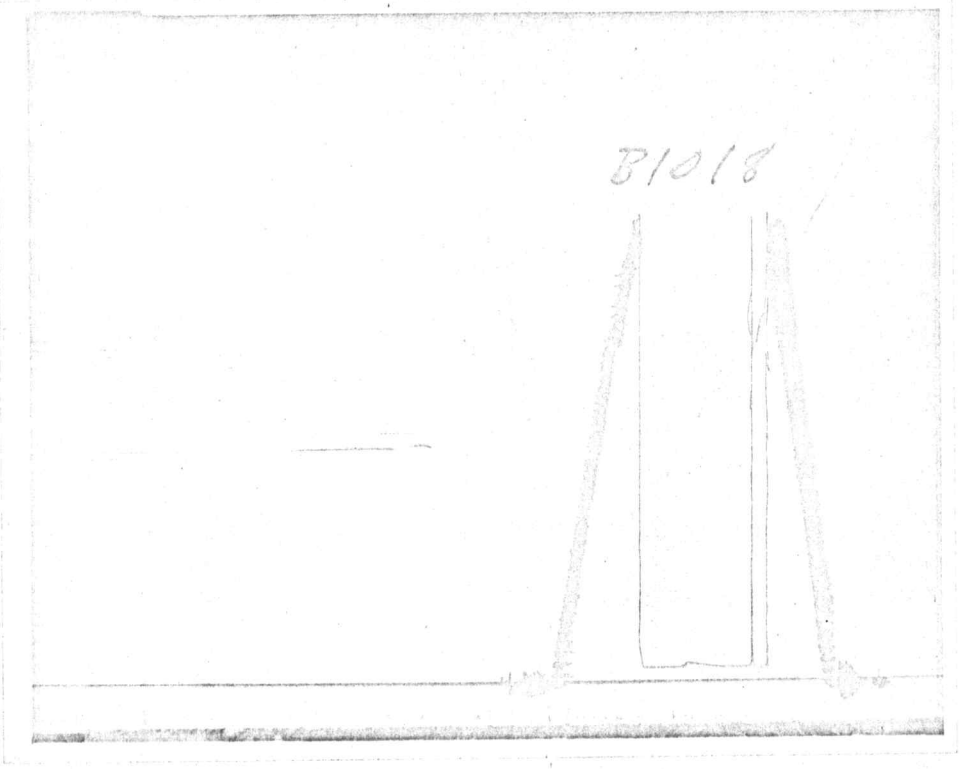

BOTTOM

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169 Great Bend, Kansas 67530

Lease	Dyer	Well No. 1	Date 8/11/72
County	Barton	Sec. 7 Twp. 18 Rng. 14	Elevation
Company	L. G. Stephenson		Test No. 4
Contractor	Duke Drilling Co.		Zone Tested Ard.
Charge To	L. G. Stephenson		Ticket No. 1019
Approved By	Richard M. Foley		Tester Bowman

Recorder No. 3600 Depth 3518 Recorder No. none Depth

Initial Flow Press. 23 To 23 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 903 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 27 To 29 P.S.I. Final Flow Period 15 Min.

Final Shut-in Press. 885 P.S.I. Final Shut-in 30 Min.

Initial Hydro Mud Press. 2045 P.S.I. Final Hydro Mud Press. 2030 P.S.I.

Temperature 107

Mud Weight 10.1 Viscosity 41

Fluid Loss

Interval Tested 3523 To 3528

Damage Ratio

$DR = .183 \frac{Ps - Pf}{m}$

Initial

Final

Top Packer Depth 3523 Surface Choke Size 5/8

Bottom Packer Depth --- Bottom Choke Size 5/8

Total Depth 3528 Main Hole Size 7 7/8

Drill Pipe Size 4½ FH Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Very weak - dead in 30 min.

Recovery 30' red muddy water

	First Flow		Initial Shut-in		Second Flow		Final Shut-in	
	Min.	Press.	Min.	Press.	Min.	Press.	Min.	Press.
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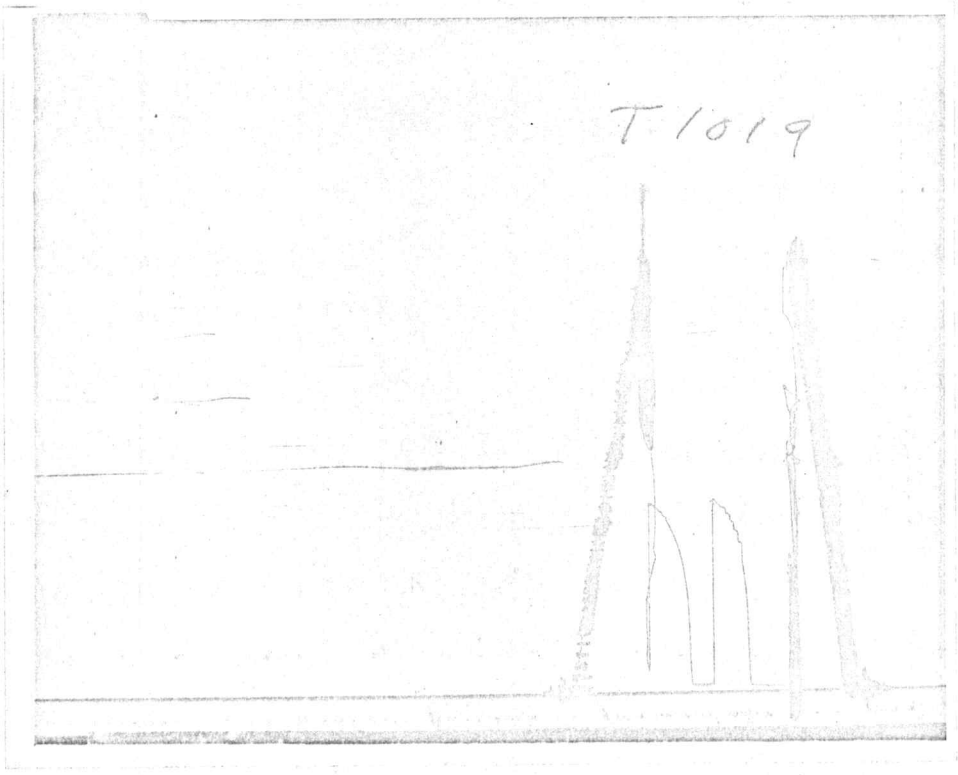
TEST NUMBER 4 TICKET NUMBER 1019



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