

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Morgenstern C #1

13-16S-14W Barton,KS

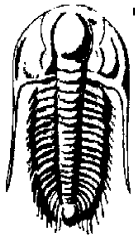
Start Date: 2019.09.27 @ 13:56:00

End Date: 2019.09.27 @ 20:34:02

Job Ticket #: 66295 DST #: 1

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

Printed: 2019.09.30 @ 12:07:15



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc.

13-16S-14W Barton, KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66295

DST#: 1

ATTN: Austin Klaus

Test Start: 2019.09.27 @ 13:56:00

GENERAL INFORMATION:

Formation: **LKC A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:49:17

Time Test Ended: 20:34:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: **3150.00 ft (KB) To 3208.00 ft (KB) (TVD)**

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3208.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **8365** Inside

Press@RunDepth: 88.91 psig @ 3203.59 ft (KB)

Capacity: psig

Start Date: 2019.09.27

End Date:

2019.09.27

Last Calib.:

2019.09.27

Start Time: 13:56:01

End Time:

20:34:02

Time On Btm:

2019.09.27 @ 15:49:02

Time Off Btm:

2019.09.27 @ 18:51:02

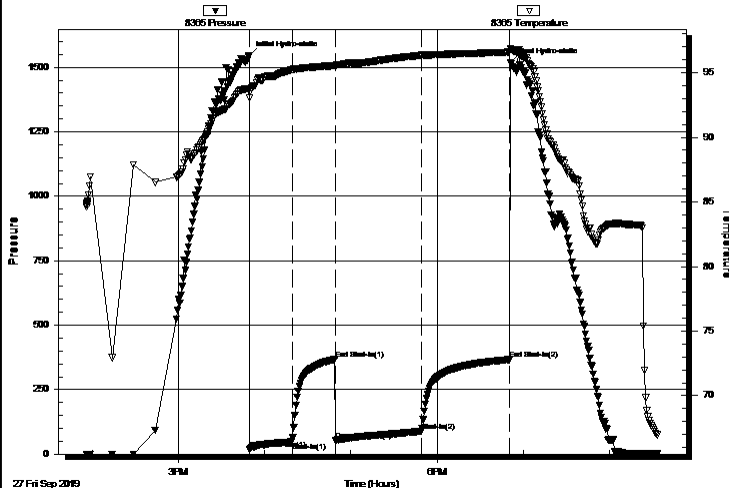
TEST COMMENT: IF 30 Minutes Blow built to 5 1/2"

ISI 30 Minutes No blow back

FF 60 Minutes Blow built to 5"

FSI 60 Minutes No blow back

Pressure vs. Time



PRESSURE SUMMARY

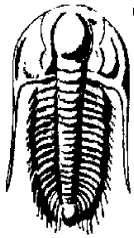
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1545.35	93.75	Initial Hydro-static
1	19.65	93.03	Open To Flow (1)
30	47.56	95.24	Shut-In(1)
60	367.68	95.53	End Shut-In(1)
61	54.76	95.43	Open To Flow (2)
121	88.91	96.35	Shut-In(2)
182	366.62	96.62	End Shut-In(2)
182	1518.44	96.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
170.00	MW M 30% W 70%	2.38

Gas Rates

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

DRILL STEM TEST REPORT

John O Farmer Inc.

13-16S-14W Barton,KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

ATTN: Austin Klaus

Job Ticket: 66295

DST#: 1

Test Start: 2019.09.27 @ 13:56:00

GENERAL INFORMATION:

Formation: **LKC A-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:49:17

Time Test Ended: 20:34:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 3150.00 ft (KB) To 3208.00 ft (KB) (TVD)

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3208.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6752

Press@RunDepth: 365.84 psig @ ft (KB)

Capacity: psig

Start Date: 2019.09.27

End Date:

2019.09.27

Last Calib.:

2019.09.27

Start Time: 13:56:01

End Time:

20:35:02

Time On Btm:

2019.09.27 @ 15:49:02

Time Off Btm:

2019.09.27 @ 18:51:32

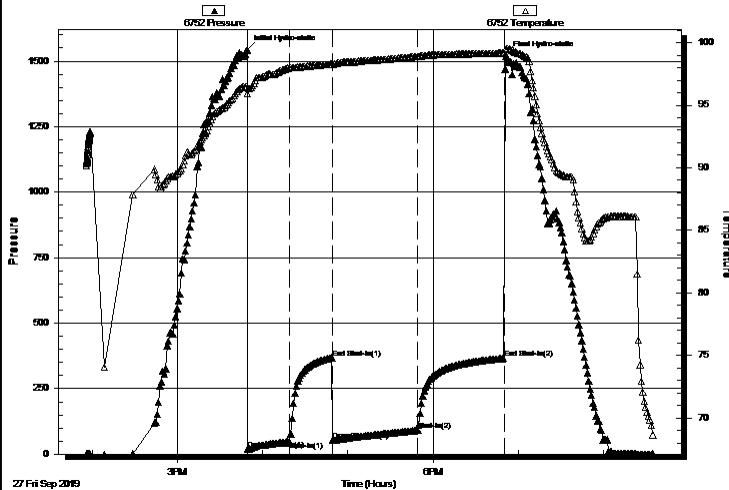
TEST COMMENT: IF 30 Minutes Blow built to 5 1/2"

ISI 30 Minutes No blow back

FF 60 Minutes Blow built to 5"

FSI 60 Minutes No blow back

Pressure vs. Time



PRESSURE SUMMARY

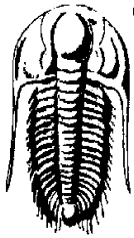
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1544.92	96.52	Initial Hydro-static
1	19.94	95.90	Open To Flow (1)
30	48.45	98.00	Shut-In(1)
60	367.95	98.27	End Shut-In(1)
61	52.65	98.27	Open To Flow (2)
121	90.91	98.90	Shut-In(2)
181	365.84	99.19	End Shut-In(2)
183	1519.74	99.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
170.00	MW M 30% W 70%	2.38

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

13-16S-14W Barton,KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66295

DST#: 1

ATTN: Austin Klaus

Test Start: 2019.09.27 @ 13:56:00

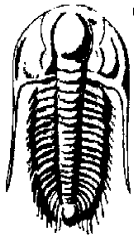
Tool Information

Drill Pipe:	Length:	3153.00 ft	Diameter:	3.80 inches	Volume:	44.23 bbl	Tool Weight:	2000.00 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:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	60000.00 lb
					<u>Total Volume:</u>	<u>44.23 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:		23.00 ft					String Weight: Initial	55000.00 lb
Depth to Top Packer:		3150.00 ft					Final	55000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		57.59 ft						
Tool Length:		77.59 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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Shut-In Tool	5.00			3135.00	
Hydraulic tool	5.00			3140.00	
Top Packer	5.00			3145.00	
Packer	5.00			3150.00	20.00 Bottom Of Top Packer
Anchor	19.00			3169.00	
Change Over Sub	1.00			3170.00	
Drill Pipe	31.59			3201.59	
Change Over Sub	1.00			3202.59	
Recorder	1.00	8365	Inside	3203.59	
Recorder	1.00	6755	Outside	3204.59	
Bullnose	3.00			3207.59	57.59 Anchor Tool

Total Tool Length: 77.59



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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

13-16S-14W Barton,KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66295

DST#: 1

ATTN: Austin Klaus

Test Start: 2019.09.27 @ 13:56:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 9.58 in³

Resistivity: ohm.m

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 29000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
170.00	MW M 30% W 70%	2.385

Total Length: 170.00 ft Total Volume: 2.385 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .227 ohms @ 71 deg.

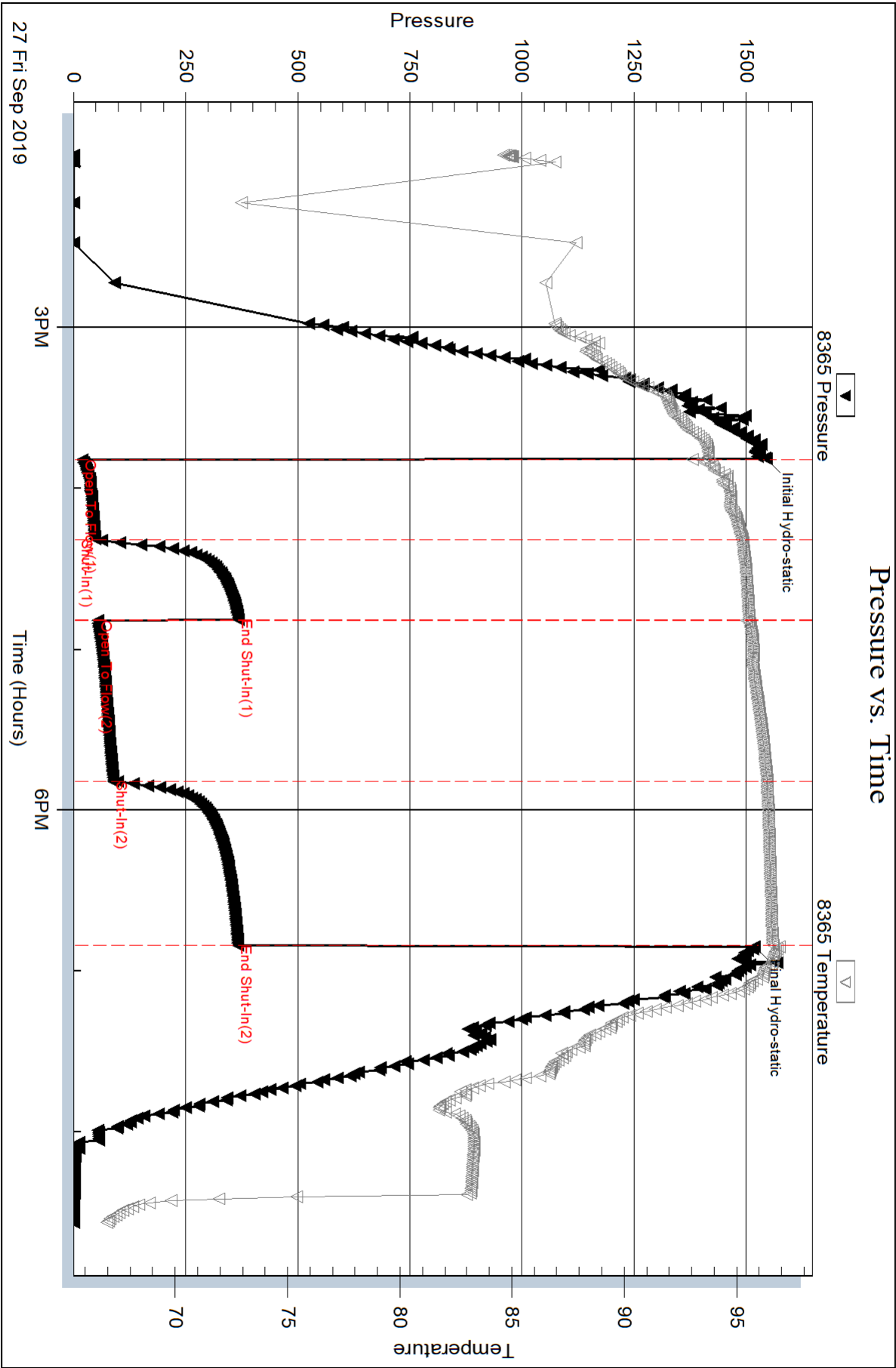
Serial #: 8365

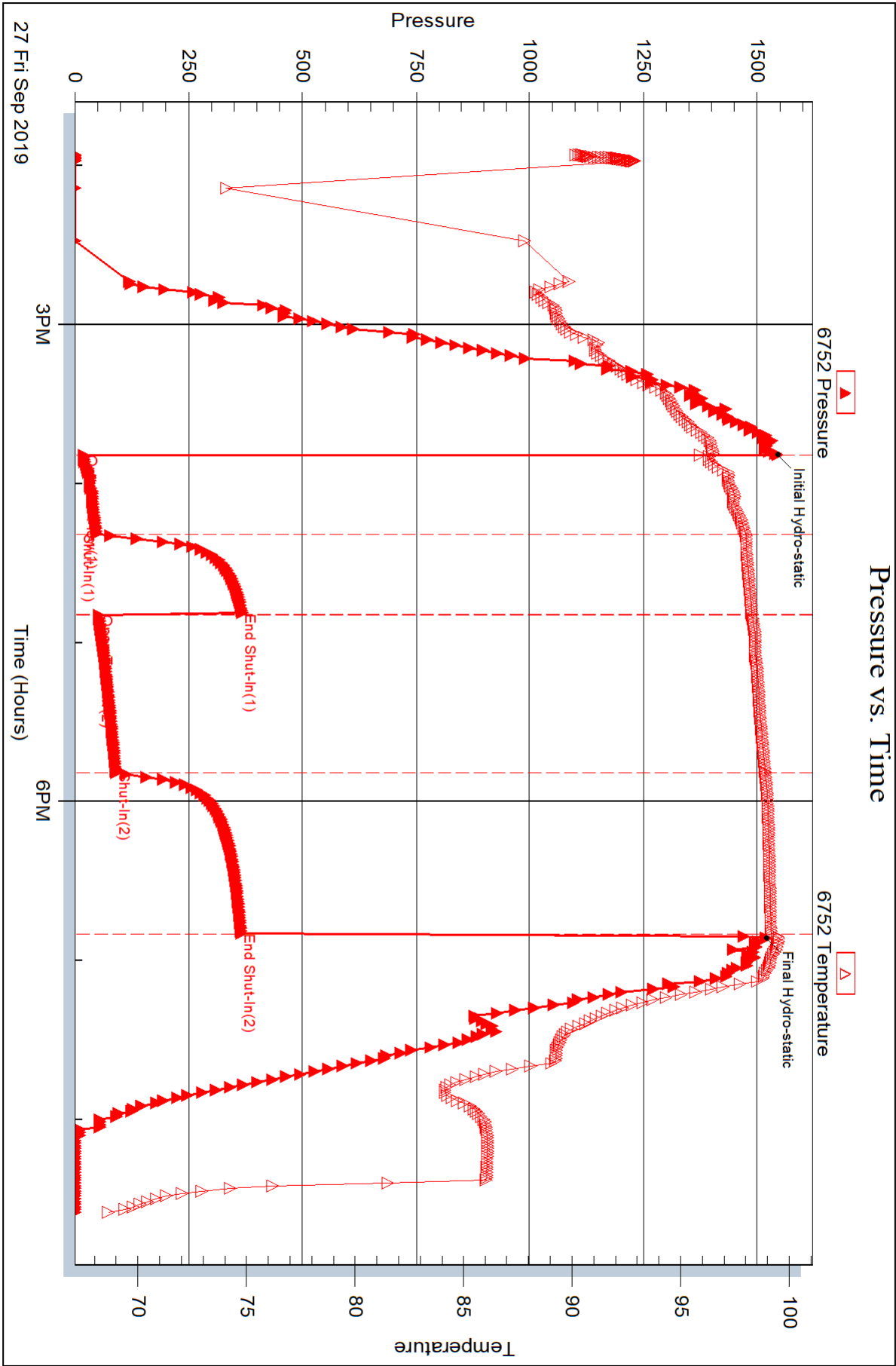
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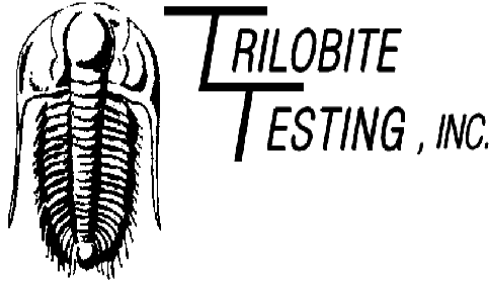
John O Farmer Inc.

Morgenstern C #1

DST Test Number: 1







DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Morgenstern C #1

13-16S-14W Barton,KS

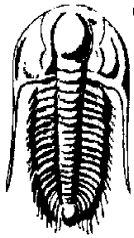
Start Date: 2019.09.28 @ 10:19:00

End Date: 2019.09.28 @ 15:33:02

Job Ticket #: 66296 DST #: 2

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

Printed: 2019.09.30 @ 12:06:48



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc.

13-16S-14W Barton, KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66296

DST#: 2

ATTN: Austin Klaus

Test Start: 2019.09.28 @ 10:19:00

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:43:47

Time Test Ended: 15:33:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend 52

Interval: 3286.00 ft (KB) To 3342.00 ft (KB) (TVD)

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3342.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8365 Inside

Press@RunDepth: 27.66 psig @ 3287.00 ft (KB)

Capacity: psig

Start Date: 2019.09.28

End Date:

2019.09.28

Last Calib.: 2019.09.28

Start Time: 10:19:01

End Time:

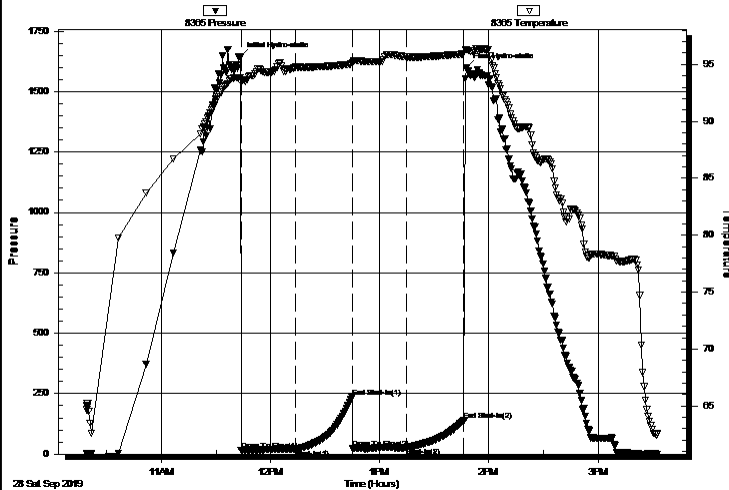
15:33:02

Time On Btm: 2019.09.28 @ 11:43:32

Time Off Btm: 2019.09.28 @ 13:47:32

TEST COMMENT: IF 30 Minutes Blow built to 1 3/4"
ISI 30 Minutes No blow back
FF 30 Minutes Blow built to 1/2"
FSI 30 Minutes No blow back

Pressure vs. Time



PRESSURE SUMMARY

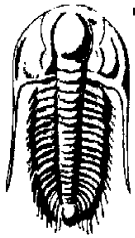
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1643.02	93.87	Initial Hydro-static
1	15.72	93.38	Open To Flow (1)
31	21.56	94.77	Shut-In(1)
62	234.60	95.05	End Shut-In(1)
62	24.47	95.17	Open To Flow (2)
92	27.66	95.66	Shut-In(2)
123	140.76	95.95	End Shut-In(2)
124	1598.52	96.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OSM / O 1% M99%	0.21

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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John O Farmer Inc.

13-16S-14W Barton,KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

ATTN: Austin Klaus

Job Ticket: 66296

DST#: 2

Test Start: 2019.09.28 @ 10:19:00

GENERAL INFORMATION:

Formation: **LKC H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:43:47

Time Test Ended: 15:33:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Great Bend 52

Interval: 3286.00 ft (KB) To 3342.00 ft (KB) (TVD)

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3342.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6752 Outside

Press@RunDepth: 141.62 psig @ 3288.00 ft (KB)

Capacity: psig

Start Date: 2019.09.28

End Date:

2019.09.28

Last Calib.: 2019.09.28

Start Time: 10:19:01

End Time:

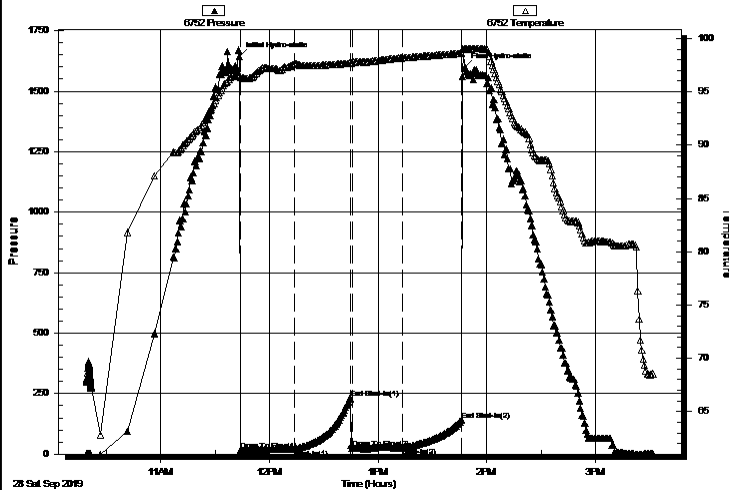
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Time On Btm: 2019.09.28 @ 11:43:32

Time Off Btm: 2019.09.28 @ 13:47:47

TEST COMMENT: IF 30 Minutes Blow built to 1 3/4"
ISI 30 Minutes No blow back
FF 30 Minutes Blow built to 1/2"
FSI 30 Minutes No blow back

Pressure vs. Time



PRESSURE SUMMARY

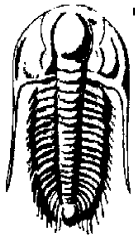
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.26	96.54	Initial Hydro-static
1	15.07	96.38	Open To Flow (1)
31	21.73	97.61	Shut-In(1)
61	232.18	97.69	End Shut-In(1)
62	23.58	97.73	Open To Flow (2)
90	26.72	98.18	Shut-In(2)
123	141.62	98.64	End Shut-In(2)
125	1595.29	99.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OSM / O 1% M99%	0.21

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

13-16S-14W Barton,KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66296

DST#: 2

ATTN: Austin Klaus

Test Start: 2019.09.28 @ 10:19:00

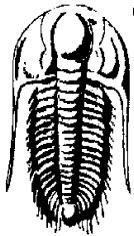
Tool Information

Drill Pipe:	Length:	3279.00 ft	Diameter:	3.80 inches	Volume:	46.00 bbl	Tool Weight:	2000.00 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:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	58000.00 lb
					Total Volume:	46.00 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		13.00 ft					String Weight: Initial	56000.00 lb
Depth to Top Packer:		3286.00 ft					Final	56000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		55.52 ft						
Tool Length:		75.52 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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Shut-In Tool	5.00			3271.00	
Hydraulic tool	5.00			3276.00	
Top Packer	5.00			3281.00	
Packer	5.00			3286.00	20.00 Bottom Of Top Packer
Recorder	1.00	8365	Inside	3287.00	
Recorder	1.00	6752	Outside	3288.00	
Anchor	17.00			3305.00	
Change Over Sub	1.00			3306.00	
Drill Pipe	31.52			3337.52	
Change Over Sub	1.00			3338.52	
Bullnose	3.00			3341.52	55.52 Anchor Tool

Total Tool Length: 75.52



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DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

13-16S-14W Barton,KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66296

DST#: 2

ATTN: Austin Klaus

Test Start: 2019.09.28 @ 10:19:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 9.58 in³

Resistivity: ohm.m

Salinity: 7100.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OSM / O 1% M99%	0.210

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

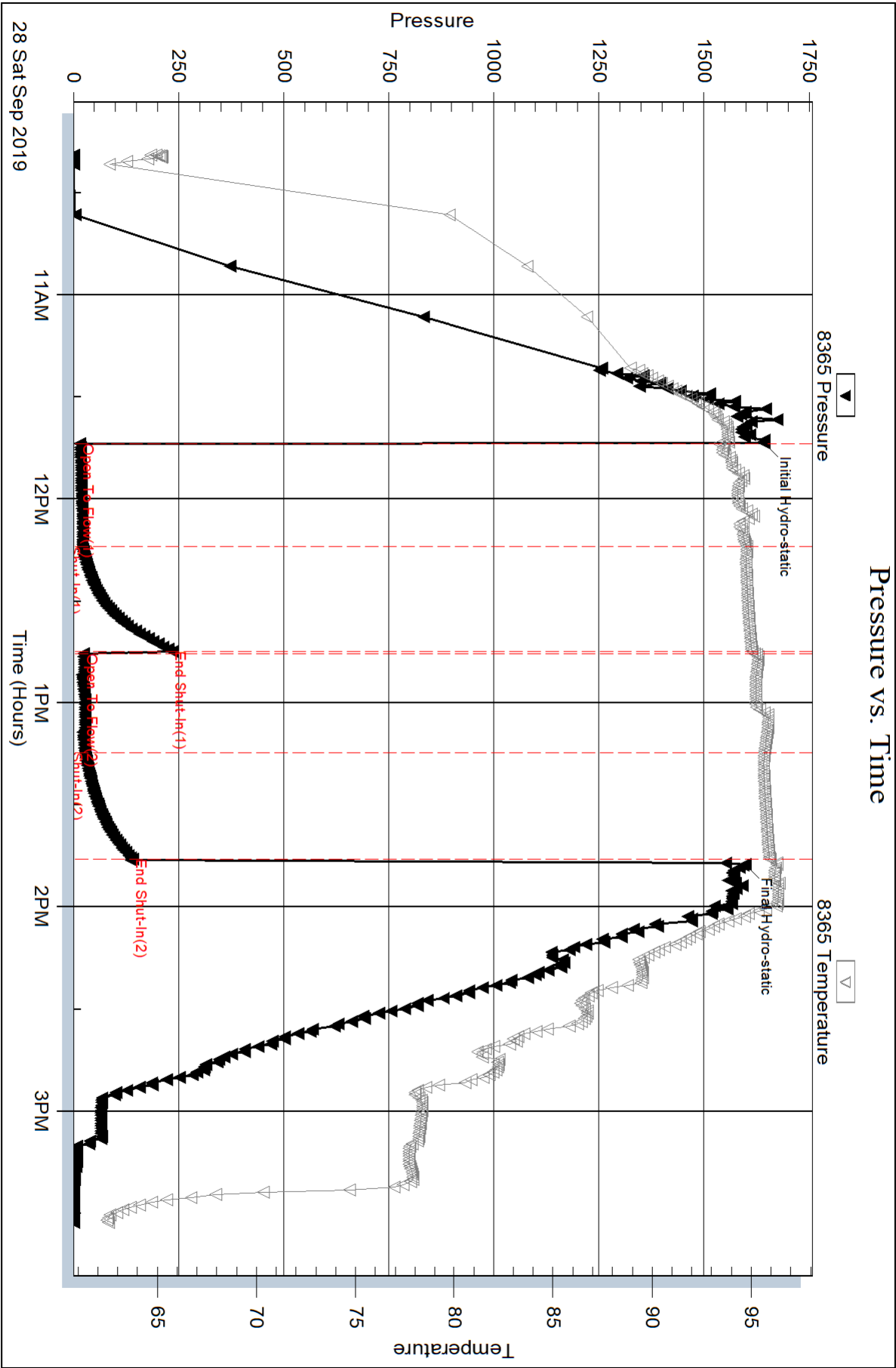
Serial #: 8365

Inside

John O Farmer Inc.

Morgenstern C #1

DST Test Number: 2

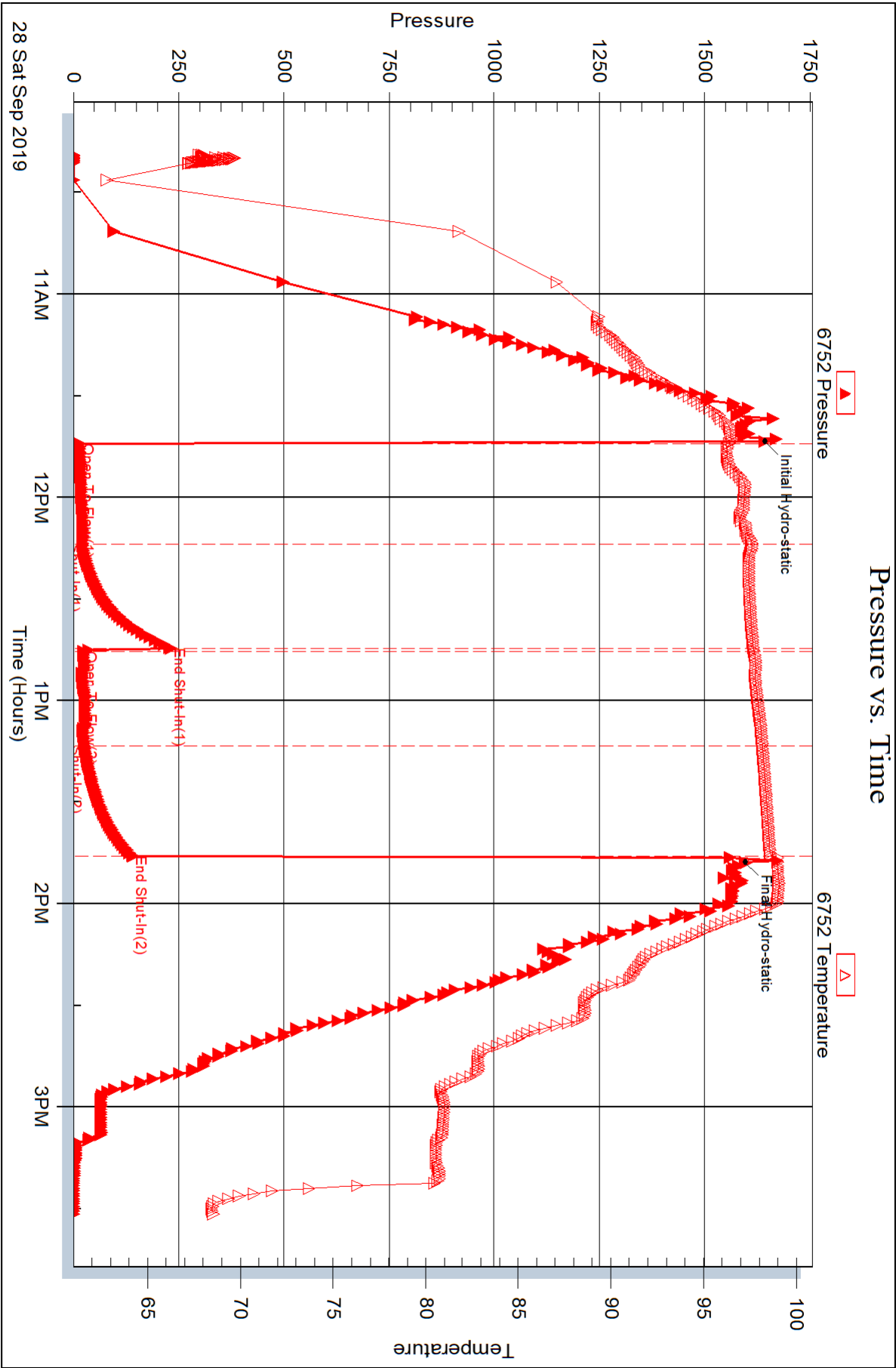


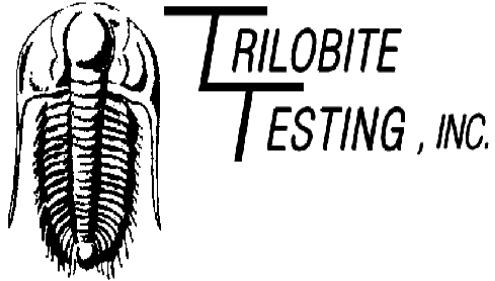
Serial #: 6752

Outside John O Farmer Inc.

Morgenstern C #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Morgenstern C #1

13-16S-14W Barton,KS

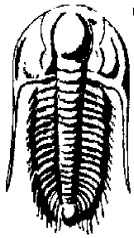
Start Date: 2019.09.29 @ 08:25:00

End Date: 2019.09.29 @ 13:31:02

Job Ticket #: 66297 DST #: 3

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

Printed: 2019.09.30 @ 12:06:19



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc.

13-16S-14W Barton, KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66297

DST#: 3

ATTN: Austin Klaus

Test Start: 2019.09.29 @ 08:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:48:32

Time Test Ended: 13:31:02

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: **3345.00 ft (KB) To 3400.00 ft (KB) (TVD)**

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3450.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **8365** Inside

Press@RunDepth: 37.48 psig @ 3351.15 ft (KB)

Capacity: psig

Start Date: 2019.09.29

End Date:

2019.09.29

Last Calib.:

2019.09.29

Start Time: 08:25:01

End Time:

13:31:02

Time On Btm:

2019.09.29 @ 09:47:02

Time Off Btm:

2019.09.29 @ 11:50:02

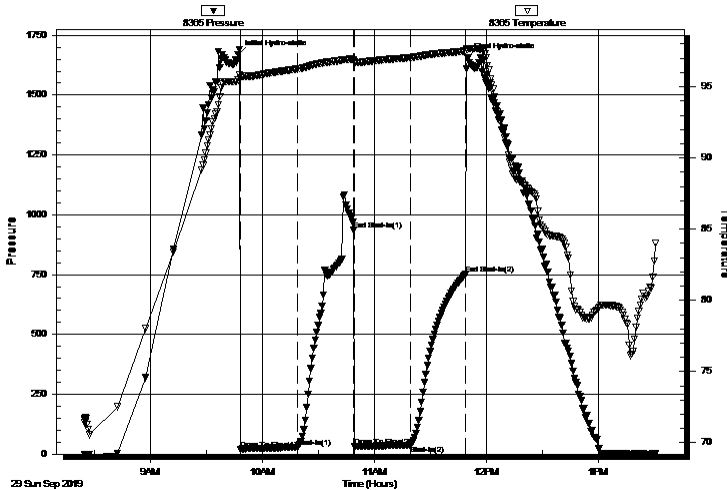
TEST COMMENT: IF 30 Minutes/ Blow built to 1 3/4"

ISI 30 Minutes/ No blow back

FF 30 Minutes/ Blow built to 1"

FSI 30 Minutes/ No blow back

Pressure vs. Time



PRESSURE SUMMARY

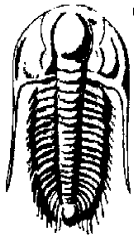
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1668.26	95.45	Initial Hydro-static
2	21.13	95.63	Open To Flow (1)
32	28.82	96.25	Shut-In (1)
62	934.76	96.88	End Shut-In (1)
63	32.14	96.73	Open To Flow (2)
93	37.48	97.04	Shut-In (2)
122	750.91	97.52	End Shut-In (2)
123	1654.35	97.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	OSW O 1% M99%	0.63

Gas Rates

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

DRILL STEM TEST REPORT

John O Farmer Inc.

13-16S-14W Barton, KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66297

DST#: 3

ATTN: Austin Klaus

Test Start: 2019.09.29 @ 08:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:48:32

Time Test Ended: 13:31:02

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 3345.00 ft (KB) To 3400.00 ft (KB) (TVD)

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3450.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6755 Outside

Press@RunDepth: 748.64 psig @ 3351.15 ft (KB)

Capacity: psig

Start Date: 2019.09.29

End Date:

2019.09.29

Last Calib.: 2019.09.29

Start Time: 08:25:01

End Time:

13:31:02

Time On Btm: 2019.09.29 @ 09:47:02

Time Off Btm: 2019.09.29 @ 11:49:47

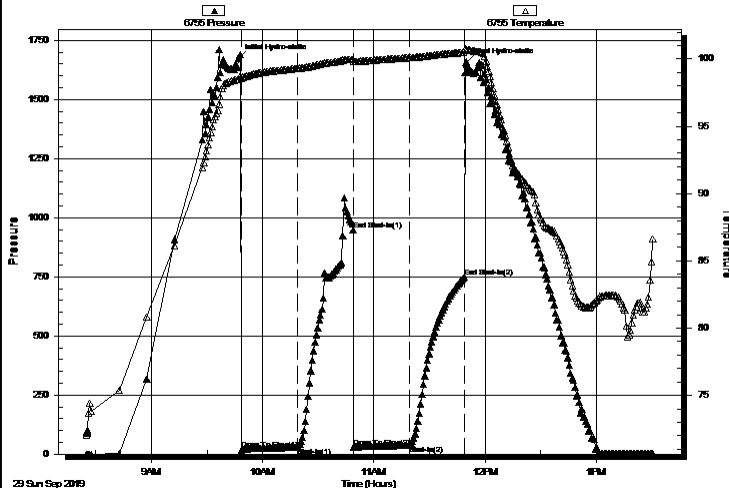
TEST COMMENT: IF 30 Minutes/ Blow built to 1 3/4"

ISI 30 Minutes/ No blow back

FF 30 Minutes/ Blow built to 1"

FSI 30 Minutes/ No blow back

Pressure vs. Time



PRESSURE SUMMARY

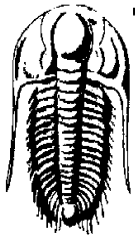
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1674.04	98.49	Initial Hydro-static
2	19.01	98.56	Open To Flow (1)
32	28.33	99.31	Shut-In(1)
62	948.63	99.94	End Shut-In(1)
63	30.87	99.83	Open To Flow (2)
93	37.38	100.10	Shut-In(2)
122	748.64	100.52	End Shut-In(2)
123	1658.07	100.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	OSW O 1% M99%	0.63

Gas Rates

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

DRILL STEM TEST REPORT

John O Farmer Inc.

13-16S-14W Barton,KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66297

DST#: 3

ATTN: Austin Klaus

Test Start: 2019.09.29 @ 08:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:48:32

Time Test Ended: 13:31:02

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 3345.00 ft (KB) To 3400.00 ft (KB) (TVD)

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3450.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6752 Below (Straddle)

Press@RunDepth: 1131.54 psig @ 3401.19 ft (KB)

Capacity: psig

Start Date: 2019.09.29

End Date:

2019.09.29

Last Calib.:

2019.09.29

Start Time: 08:25:01

End Time:

13:30:02

Time On Btm:

2019.09.29 @ 09:48:02

Time Off Btm:

2019.09.29 @ 11:50:17

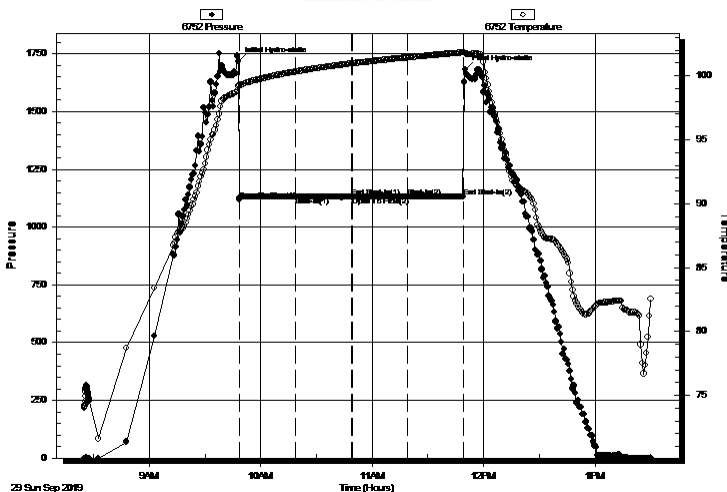
TEST COMMENT: IF 30 Minutes/ Blow built to 1 3/4"

ISI 30 Minutes/ No blow back

FF 30 Minutes/ Blow built to 1"

FSI 30 Minutes/ No blow back

Pressure vs. Time



PRESSURE SUMMARY

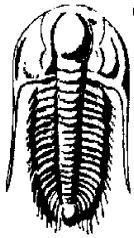
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.07	99.20	Initial Hydro-static
1	1118.94	99.22	Open To Flow (1)
31	1131.28	100.30	Shut-In(1)
61	1130.41	100.94	End Shut-In(1)
62	1129.41	100.94	Open To Flow (2)
91	1131.08	101.40	Shut-In(2)
121	1131.54	101.80	End Shut-In(2)
123	1683.49	101.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	OSW O 1% M99%	0.63

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

13-16S-14W Barton,KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66297

DST#: 3

ATTN: Austin Klaus

Test Start: 2019.09.29 @ 08:25:00

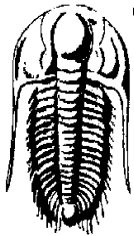
Tool Information

Drill Pipe:	Length:	3346.00 ft	Diameter:	3.80 inches	Volume:	46.94 bbl	Tool Weight:	2000.00 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:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	60000.00 lb
					Total Volume:	46.94 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.80 ft							
Depth to Top Packer:	3345.00 ft							
Depth to Bottom Packer:	3437.28 ft							
Interval between Packers:	92.28 ft							
Tool Length:	109.08 ft							
Number of Packers:	3		Diameter:	6.75 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3333.20	
Hydraulic tool	5.00			3338.20	
Top Packer	5.00			3343.20	
Packer	1.80			3345.00	16.80 Bottom Of Top Packer
Anchor	5.00			3350.00	
Change Over Sub	1.15			3351.15	
Recorder	0.00	8365	Inside	3351.15	
Recorder	0.00	6755	Outside	3351.15	
Drill Pipe	31.61			3382.76	
Change Over Sub	1.03			3383.79	
Blank Off Sub	1.00			3384.79	
Packer (Interval Side)	2.80			3387.59	
Packer (Tail Side)	1.75			3389.34	
Perforations	11.00			3400.34	
Change Over Sub	0.85			3401.19	
Recorder	0.00	6752	Below	3401.19	
Drill Pipe	31.99			3433.18	
Change Over Sub	1.10			3434.28	
Bullnose	3.00			3437.28	92.28 Anchor Tool

Total Tool Length: 109.08



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

13-16S-14W Barton,KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66297

DST#: 3

ATTN: Austin Klaus

Test Start: 2019.09.29 @ 08:25:00

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:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	OSM O 1% M99%	0.631

Total Length: 45.00 ft

Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

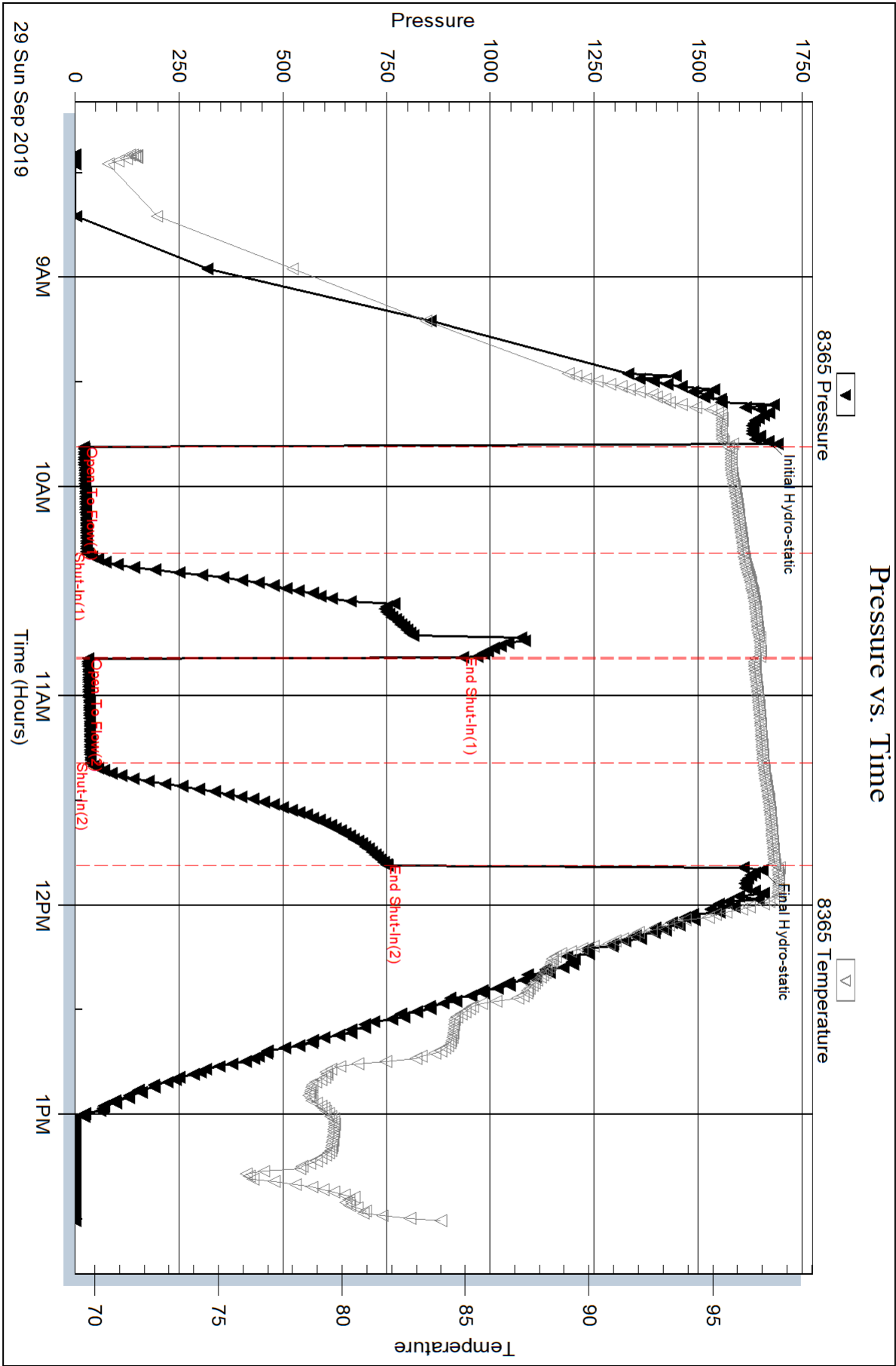
Serial #: 8365

Inside

John O Farmer Inc.

Morgenstern C #1

DST Test Number: 3

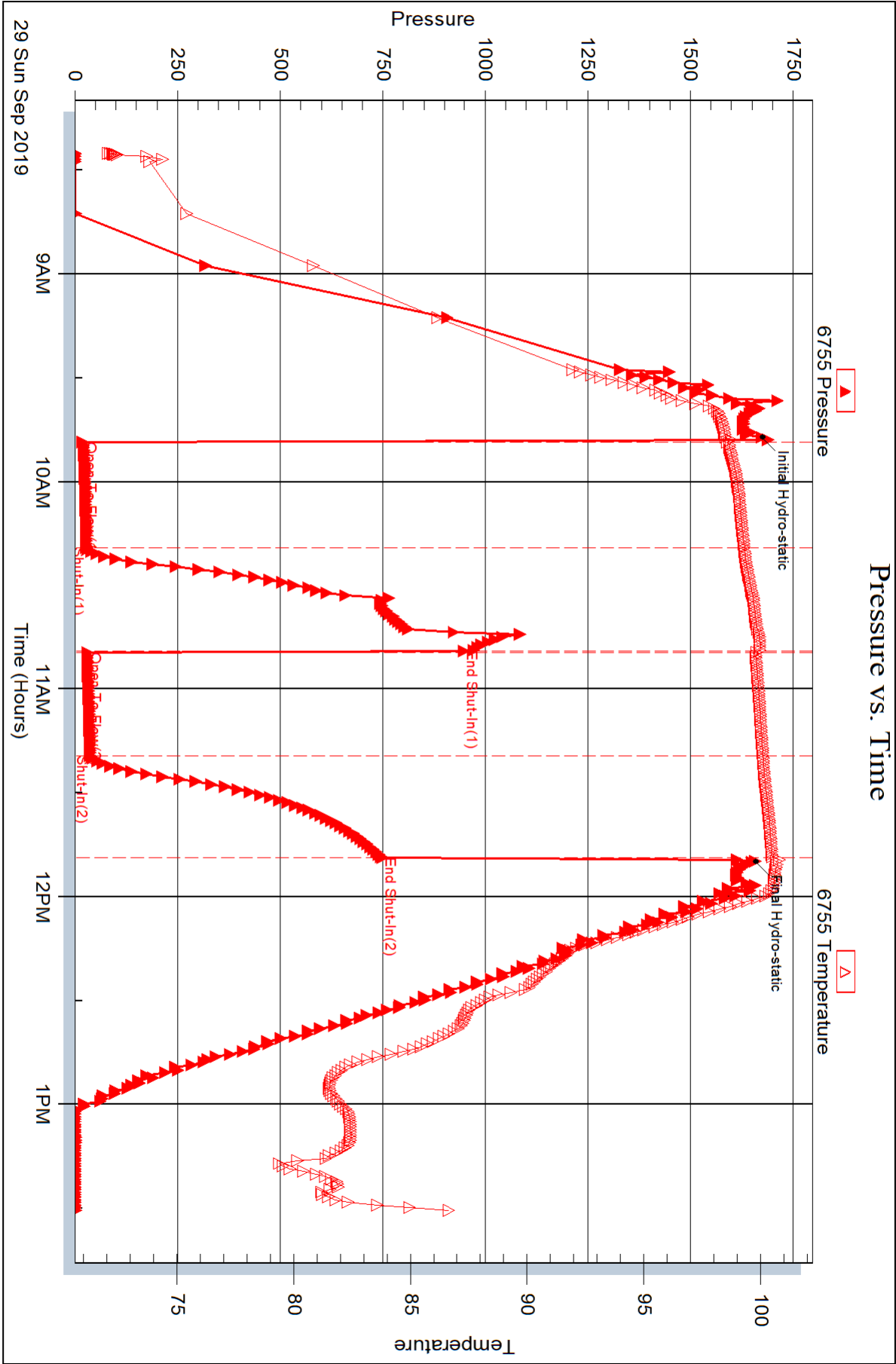


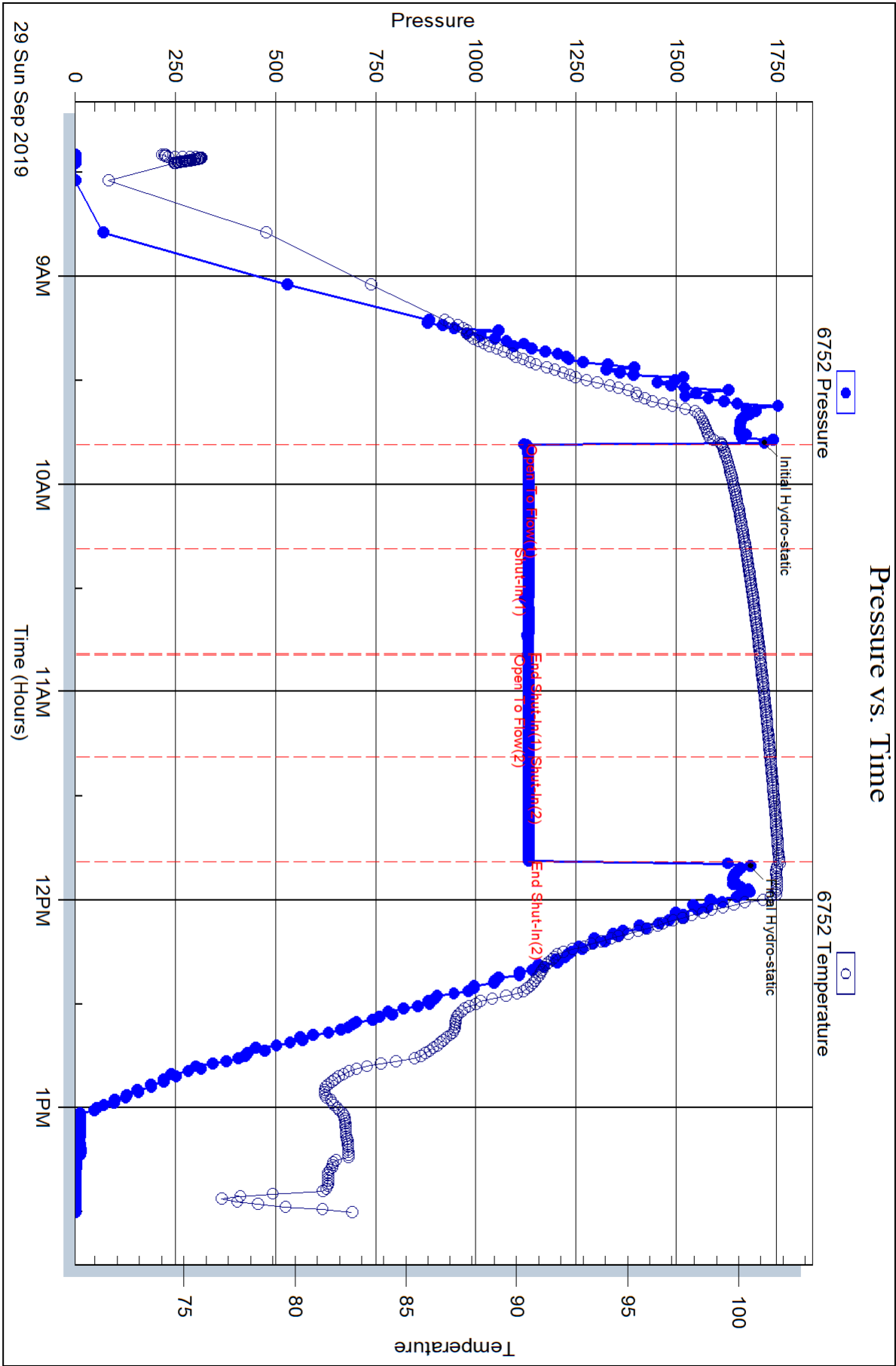
Serial #: 6755

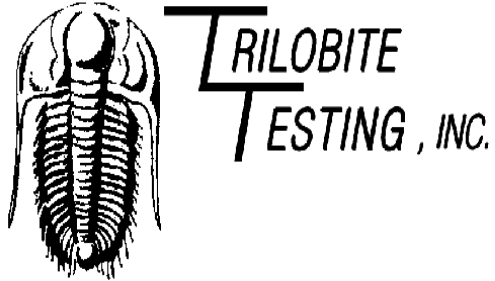
Outside John O Farmer Inc.

Morgenstern C#1

DST Test Number: 3







DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc.**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Morgenstern C #1

13-16S-14W Barton,KS

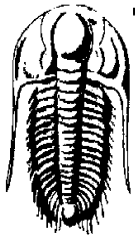
Start Date: 2019.09.29 @ 14:13:00

End Date: 2019.09.29 @ 20:11:02

Job Ticket #: 66298 DST #: 4

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

Printed: 2019.09.30 @ 12:04:59



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc.

13-16S-14W Barton, KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66298

DST#: 4

ATTN: Austin Klaus

Test Start: 2019.09.29 @ 14:13:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:08:32

Time Test Ended: 20:11:02

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 3345.00 ft (KB) To 3412.00 ft (KB) (TVD)

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3450.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6752 Outside

Press@RunDepth: 191.93 psig @ 3350.00 ft (KB)

Capacity: psig

Start Date: 2019.09.29

End Date:

2019.09.29

Last Calib.:

2019.09.29

Start Time: 14:13:01

End Time:

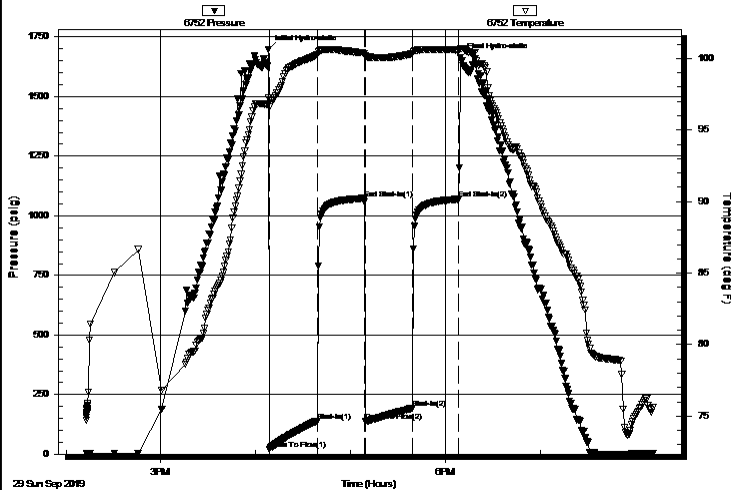
20:11:02

Time On Btm: 2019.09.29 @ 16:08:02

Time Off Btm: 2019.09.29 @ 18:09:32

TEST COMMENT: IF 30 Mintues Blow to BOB in 19 minutes total build 18"
ISI 30 Mintues No blow back
FF 30 Minutes Blow to BOB in 24 minutes total build 16"
FSI 30 Minutes Light surface blow back

Pressure vs. Time



PRESSURE SUMMARY

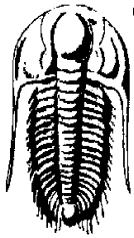
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1698.20	97.24	Initial Hydro-static
1	21.32	96.59	Open To Flow (1)
31	136.73	100.26	Shut-In (1)
61	1072.71	100.35	End Shut-In (1)
62	137.70	100.16	Open To Flow (2)
91	191.93	100.33	Shut-In (2)
121	1069.55	100.62	End Shut-In (2)
122	1664.66	100.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
387.00	OSMW / O 1% M40% W 59%	5.43

Gas Rates

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

DRILL STEM TEST REPORT

John O Farmer Inc.

13-16S-14W Barton, KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66298

DST#: 4

ATTN: Austin Klaus

Test Start: 2019.09.29 @ 14:13:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:08:32

Time Test Ended: 20:11:02

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 3345.00 ft (KB) To 3412.00 ft (KB) (TVD)

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3450.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8365 Inside

Press@RunDepth: 1068.74 psig @ 3350.00 ft (KB)

Capacity: psig

Start Date: 2019.09.29

End Date:

2019.09.29

Last Calib.:

2019.09.29

Start Time: 14:13:01

End Time:

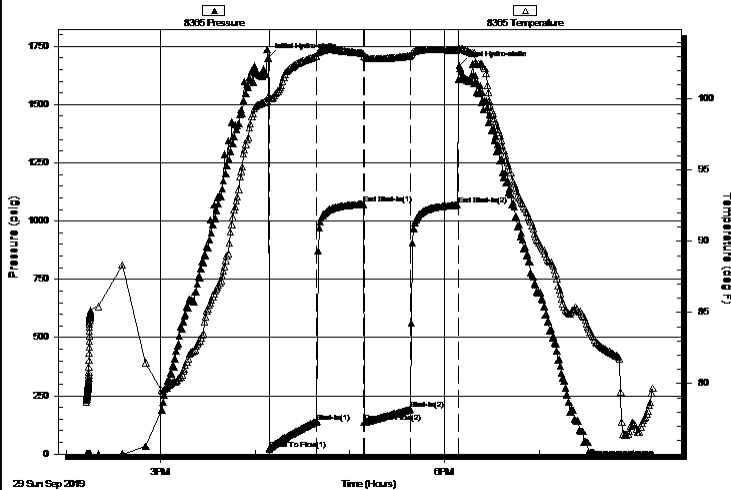
20:12:02

Time On Btm: 2019.09.29 @ 16:08:02

Time Off Btm: 2019.09.29 @ 18:09:32

TEST COMMENT: IF 30 Mintues Blow to BOB in 19 minutes total build 18"
ISI 30 Mintues No blow back
FF 30 Minutes Blow to BOB in 24 minutes total build 16"
FSI 30 Minutes Light surface blow back

Pressure vs. Time



PRESSURE SUMMARY

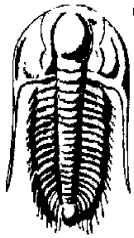
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1699.28	100.15	Initial Hydro-static
1	22.64	100.00	Open To Flow (1)
31	136.97	103.03	Shut-In(1)
61	1071.75	103.19	End Shut-In(1)
61	137.43	103.01	Open To Flow (2)
91	191.49	103.07	Shut-In(2)
121	1068.74	103.47	End Shut-In(2)
122	1667.38	103.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
387.00	OSMW / O 1% M40% W 59%	5.43

Gas Rates

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

DRILL STEM TEST REPORT

John O Farmer Inc.

13-16S-14W Barton,KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66298

DST#: 4

ATTN: Austin Klaus

Test Start: 2019.09.29 @ 14:13:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:08:32

Time Test Ended: 20:11:02

Test Type: Conventional Straddle (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 3345.00 ft (KB) To 3412.00 ft (KB) (TVD)

Reference Elevations: 1948.00 ft (KB)

Total Depth: 3450.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6755 Below (Straddle)

Press@RunDepth: psig @ 3414.34 ft (KB)

Capacity: psig

Start Date: 2019.09.29

End Date:

2019.09.29

Last Calib.:

2019.09.29

Start Time: 14:13:01

End Time:

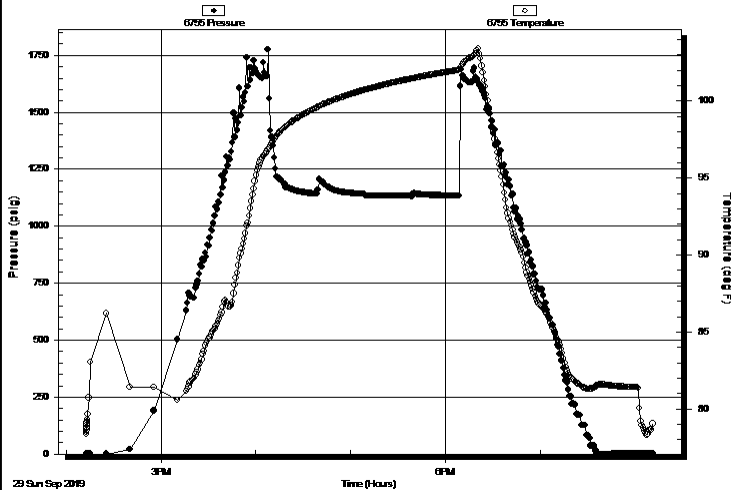
20:11:02

Time On Btm:

Time Off Btm:

TEST COMMENT: IF 30 Mintues Blow to BOB in 19 minutes total build 18"
ISI 30 Mintues No blow back
FF 30 Minutes Blow to BOB in 24 minutes total build 16"
FSI 30 Minutes Light surface blow back

Pressure vs. Time



PRESSURE SUMMARY

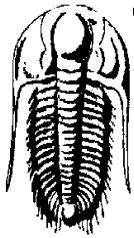
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
387.00	OSMW / O 1% M 40% W 59%	5.43

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc.

13-16S-14W Barton,KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66298

DST#: 4

ATTN: Austin Klaus

Test Start: 2019.09.29 @ 14:13:00

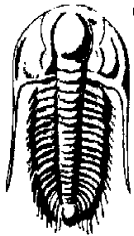
Tool Information

Drill Pipe:	Length:	3346.00 ft	Diameter:	3.80 inches	Volume:	46.94 bbl	Tool Weight:	2000.00 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:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	60000.00 lb
					Total Volume:	46.94 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.80 ft							
Depth to Top Packer:	3345.00 ft							
Depth to Bottom Packer:	3450.18 ft							
Interval between Packers:	105.18 ft							
Tool Length:	121.98 ft							
Number of Packers:	3	Diameter:	6.75 inches					
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3333.20	
Hydraulic tool	5.00			3338.20	
Top Packer	5.00			3343.20	
Packer	1.80			3345.00	16.80 Bottom Of Top Packer
Anchor	5.00			3350.00	
Recorder	0.00	8365	Inside	3350.00	
Recorder	0.00	6752	Outside	3350.00	
Change Over Sub	1.15			3351.15	
Drill Pipe	31.61			3382.76	
Change Over Sub	1.03			3383.79	
Perforations	22.00			3405.79	
Blank Off Sub	1.00			3406.79	
Packer (Interval Side)	2.80			3409.59	
Packer (Tail Side)	1.75			3411.34	
Perforations	3.00			3414.34	
Recorder	0.00	6755	Below	3414.34	
Change Over Sub	0.85			3415.19	
Drill Pipe	31.99			3447.18	
Bullnose	3.00			3450.18	105.18 Anchor Tool

Total Tool Length: 121.98



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc.

13-16S-14W Barton,KS

PO Box 352
Russell, KS 67665

Morgenstern C #1

Job Ticket: 66298

DST#: 4

ATTN: Austin Klaus

Test Start: 2019.09.29 @ 14:13:00

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:

22000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
387.00	OSMW / O 1% M 40% W 59%	5.429

Total Length: 387.00 ft Total Volume: 5.429 bbl

Num Fluid Samples: 0

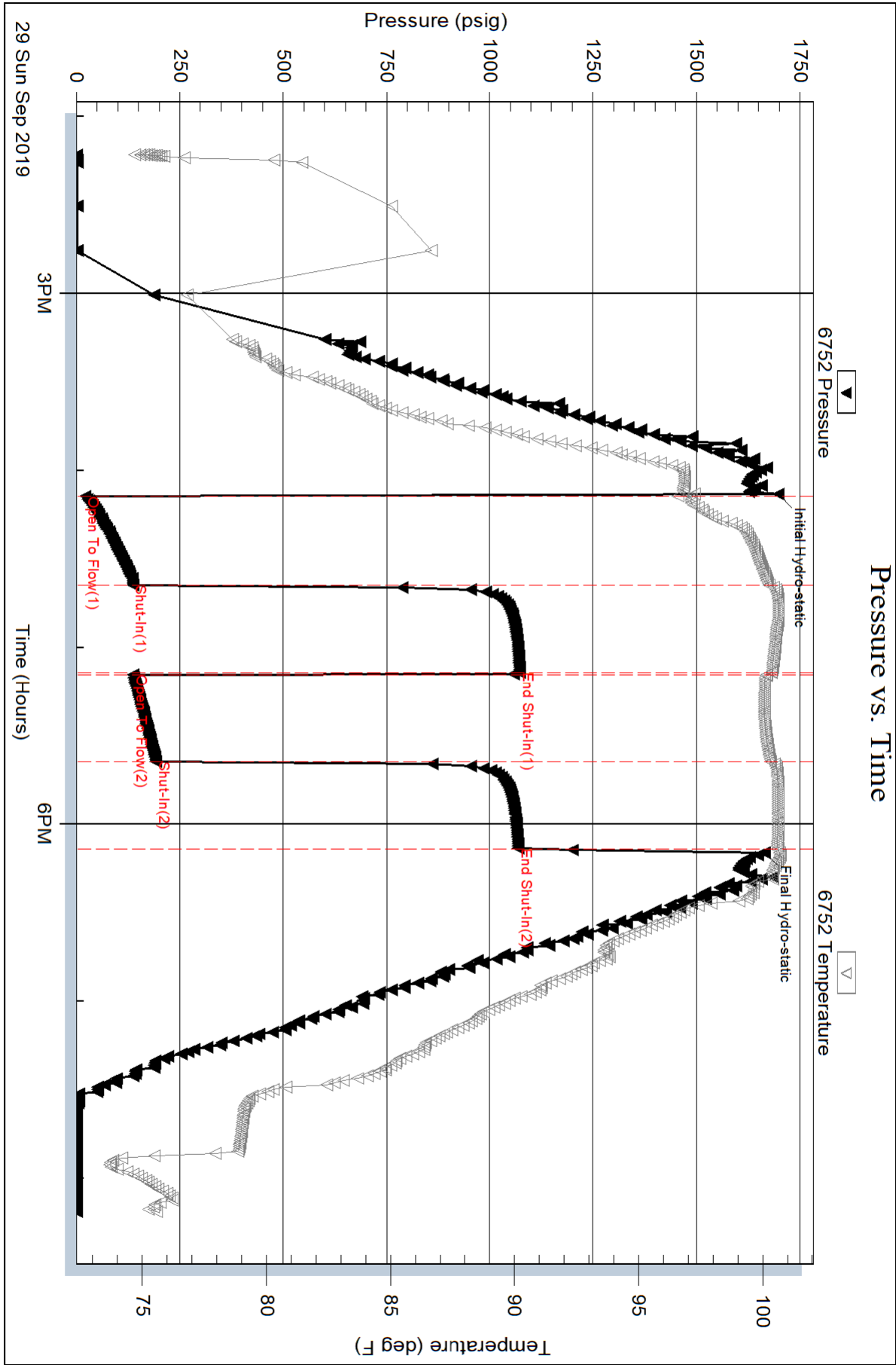
Num Gas Bombs: 0

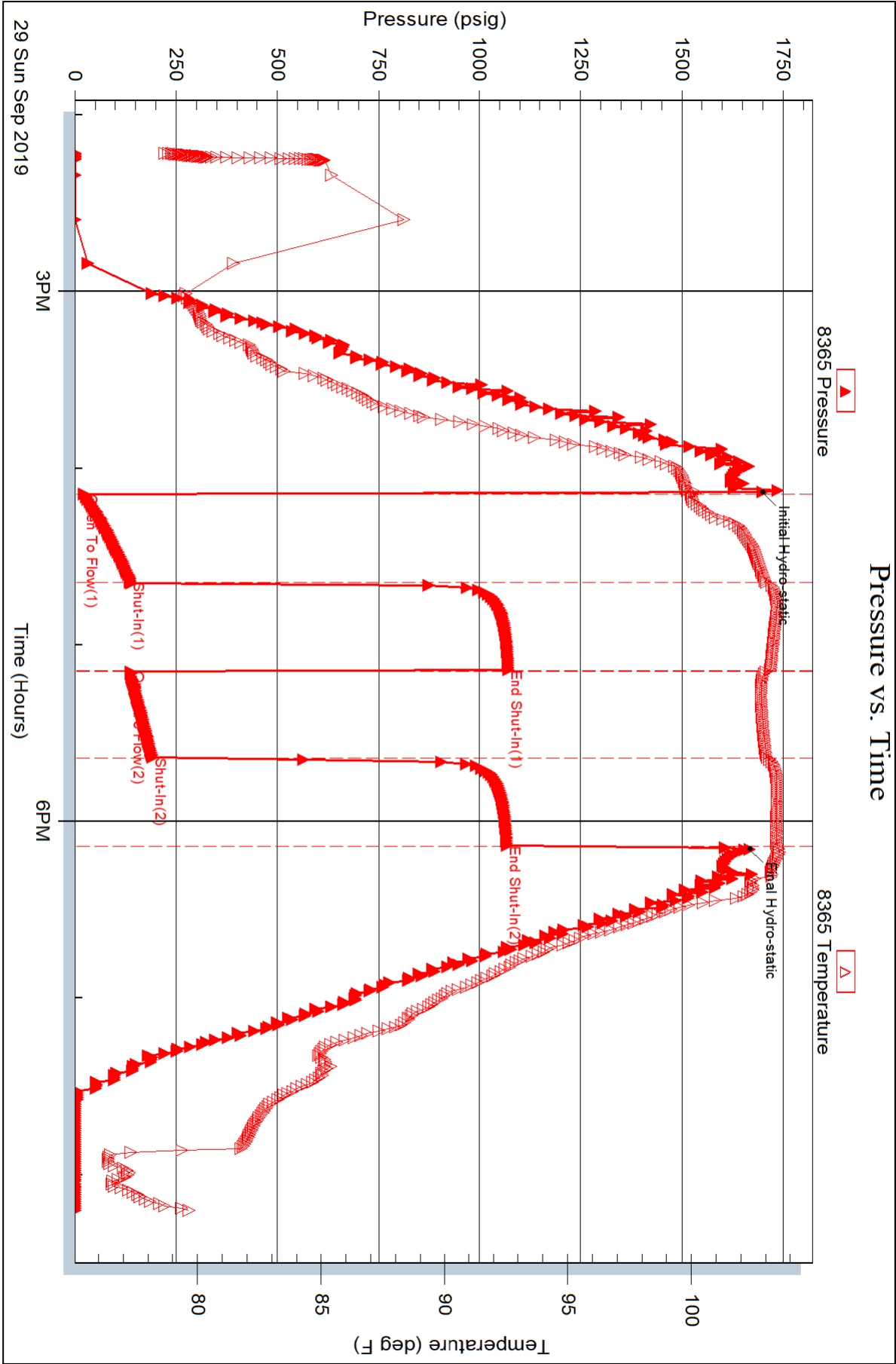
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .265 ohms @ 77 deg.



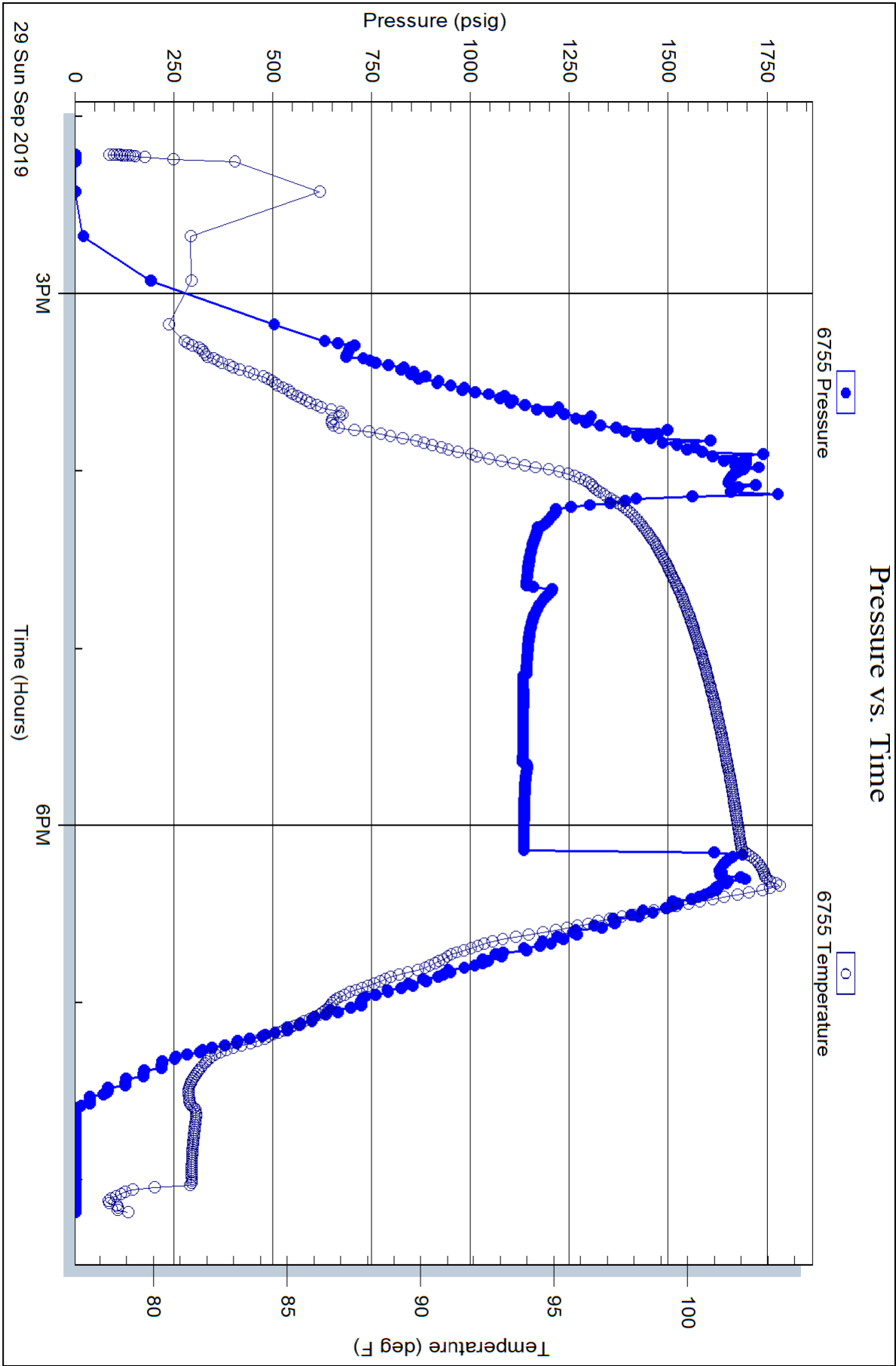


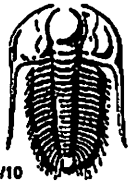
Serial #: 6755

Below (Straddled) Farmer Inc.

Morgenstern C #1

DST Test Number: 4





TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66295

NO.

Well Name & No. Morgenstern C#1 Test No. 1 Date 27 Sep 19
 Company John O Farmer Inc Elevation 1948 KB 1940 GL
 Address PO Box 352 Russell Kansas 67665
 Co. Rep / Geo. Austin Klaus Rig Discovery Rig 2
 Location: Sec. 13 Twp 16S Rge. 14W Co. Barton State KS

Interval Tested 3150-3208 Zone Tested Lausling/Kansas City A-D
 Anchor Length 58 Drill Pipe Run 3153 Mud Wt. 9.1
 Top Packer Depth 3145 Drill Collars Run — Vls 49
 Bottom Packer Depth 3150 Wt. Pipe Run — WL 9.6
 Total Depth 3208 Chlorides 5800 ppm System LCM 1#

Blow Description IF Blow built to 5 1/2 inches

ISF No blow back

FF Blow built to 5 inches

FSI No blow back

Rec <u>170</u>	Feet of <u>Muddy Water</u>	%gas	%oil	<u>70</u> %water	<u>30</u> %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 170 BHT 96 Gravity — API RW 227 @ 71 °F Chlorides 29000 ppm

(A) Initial Hydrostatic 1545
 (B) First Initial Flow 19
 (C) First Final Flow 47
 (D) Initial Shut-In 367
 (E) Second Initial Flow 54
 (F) Second Final Flow 88
 (G) Final Shut-In 366
 (H) Final Hydrostatic 1518

☒ Test 1200
☐ Jars
☐ Safety Joint
☐ Circ Sub
☐ Hourly Standby
☒ Mileage 52 52
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 1252

T-On Location 12:54 pm
 T-Started 1:56 pm
 T-Open 3:49 pm
 T-Pulled 6:49 pm
 T-Out 8:35 pm
 Comments
☐ EM Tool
☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total 0
 Total 1252
 MP/DST Disc't

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

Approved By _____

Our Representative Russell

Tribolite 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 66296

NO.

Well Name & No. Morgenstern C#1 Test No. 2 Date 28 Sept 19
 Company John O Farmer Inc. Elevation 1948 KB 1940 GL
 Address PO Box 352 Russell Kansas 67665
 Co. Rep / Geo. Austin Klaus Rig Discovery Rig 2
 Location: Sec. 13 Twp 16S Rge. 14W Co. Barton State KS

Interval Tested 3286-3342 Zone Tested Lansing/Kansas City H-J
 Anchor Length 56 Drill Pipe Run 3279 Mud Wt. 9.3
 Top Packer Depth 3281 Drill Collars Run — Vls 49
 Bottom Packer Depth 3286 Wt. Pipe Run — WL 9.6
 Total Depth 3342 Chlorides 7100 ppm System LCM 1#

Blow Description Blow Blow built to 1 3/4 inch
FSI No blow back
FF Blow built to 1/2 inch
FSI No blow back

Rec	Feet of	%gas	%oil	%water	%mud
15	05M				29

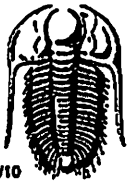
Rec Total 15 BHT 96 Gravity — API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 1643 ☒ Test 1200 T-On Location 10:15 am
 (B) First Initial Flow 15 ☐ Jars — T-Started 10:19 am
 (C) First Final Flow 21 ☐ Safety Joint — T-Open 11:43 am
 (D) Initial Shut-In 234 ☐ Circ Sub — T-Pulled 1:43 pm
 (E) Second Initial Flow 24 ☐ Hourly Standby — T-Out 3:33 pm
 (F) Second Final Flow 27 ☒ Mileage 52 Comments —
 (G) Final Shut-In 140 ☐ Sampler —
 (H) Final Hydrostatic 1598 ☐ Straddle —

Initial Open 30 ☐ Shale Packer — ☐ EM Tool —
 Initial Shut-In 30 ☐ Extra Packer — ☐ Ruined Shale Packer —
 Final Flow 30 ☐ Extra Recorder — ☐ Ruined Packer —
 Final Shut-In 30 ☐ Day Standby — ☐ Extra Copies —
 Sub Total 1252 ☐ Accessibility — Sub Total 1252 MP/DST Dis't —

Approved By —

Our Representative —

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66297

NO.

Well Name & No. Morgenstern C#1 Test No. 3 Date 29 Sep 15
Company John O Farmer Inc Elevation 1948 KB 1940 GL
Address PO Box 352 Russell Kansas 67665
Co. Rep / Geo. Austin Klaus Rig Discovery Rig 2
Location: Sec. 13 Twp 16S Rge. 14W Co. Barton State KS

Interval Tested 3345 - 3400 Zone Tested Arbuckle
Anchor Length 55 Drill Pipe Run 3346 Mud Wt. 9.35
Top Packer Depth 3340 Drill Collars Run - Vis 56
Bottom Packer Depth 3345 Wt. Pipe Run - WL 8.8
Total Depth 3450 Chlorides 8000 ppm System LCM 37

Blow Description IF Blow built to 1 3/4 inch
FSI No slow back
FF Blow to 1 inch
FSI No blow back

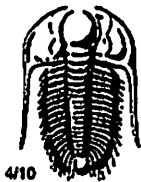
Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>05M</u>				<u>99</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 45 BHT 97 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
(A) Initial Hydrostatic 1668 ☒ Test 1200 T-On Location 7:52 am
(B) First Initial Flow 21 ☐ Jars _____ T-Started 8:25 am
(C) First Final Flow 28 ☐ Safety Joint _____ T-Open 9:49 am
(D) Initial Shut-In 934 ☐ Circ Sub _____ T-Pulled 11:49 am
(E) Second Initial Flow 32 ☐ Hourly Standby _____ T-Out 1:31 pm
(F) Second Final Flow 37 ☒ Mileage 52 Comments _____
(G) Final Shut-In 750 ☐ Sampler _____
(H) Final Hydrostatic 1654 ☒ Straddle 600

Initial Open <u>30</u>	☐ Shale Packer _____	☐ EM Tool _____
Initial Shut-In <u>30</u>	☐ Extra Packer _____	☐ Ruined Shale Packer _____
Final Flow <u>30</u>	☐ Extra Recorder _____	☐ Ruined Packer _____
Final Shut-In <u>30</u>	☐ Day Standby _____	☐ Extra Copies _____
	☐ Accessibility _____	Sub Total <u>0</u>
	Sub Total <u>1852</u>	Total <u>1852</u>
		MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 66298

NO.

Well Name & No. Morgenstern C#1 Test No. 4 Date 27 Sep 19
Company John O Farmer Inc Elevation 1948 KB 1940 GL
Address PO Box 352 Russell Kansas 67665
Co. Rep / Geo. Austin Klaus Rig D. Recovery Rig 2
Location: Sec. 13 Twp 16S Rge. 14W Co. Barton State KS

Interval Tested 3345-3412 Zone Tested Arbuckle
Anchor Length 67 Drill Pipe Run 3346 Mud Wt. 9.35
Top Packer Depth 3340 Drill Collars Run — Vis 56
Bottom Packer Depth 3345 Wt. Pipe Run — WL 8.8
Total Depth 3450 Chlorides 8000 ppm System LCM 3#

Blow Description IF Blow to BOB 19 minutes total build 18 inches

ISI No blow back

FF Blow to BOB 24 minutes total build 16 inches

FSI Light surface blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>387</u>	<u>OSMW</u>	<u>1</u>	<u>59</u>	<u>40</u>	<u>mud</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 387 BHT 103 Gravity 1200 API RW 265 @ 77°F Chlorides 22000 ppm

(A) Initial Hydrostatic 1698

(B) First Initial Flow 21

(C) First Final Flow 136

(D) Initial Shut-In 1072

(E) Second Initial Flow 137

(F) Second Final Flow 191

(G) Final Shut-In 1069

(H) Final Hydrostatic 1664

Initial Open 30

Initial Shut-In 30

Final Flow 30

Final Shut-In 30

☒ Test 1200

☐ Jars

☐ Safety Joint

☐ Circ Sub

☐ Hourly Standby

☒ Mileage 52

☐ Sampler

☒ Straddle 600

☐ Shale Packer

☐ Extra Packer

☐ Extra Recorder

☐ Day Standby

☐ Accessibility

Sub Total 1800

T-On Location

T-Started 2:13 pm

T-Open 4:08 pm

T-Pulled 6:08 pm

T-Out 8:11 pm

Comments

☐ EM Tool

☐ Ruined Shale Packer

☐ Ruined Packer

☐ Extra Copies

Sub Total 0

Total 1800

MP/DST Disc't

Approved By

Our Representative Phil Jones

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