



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco LLC
2020 N Bramblewood
Wichita, KS 67206
ATTN: Ed Grieves

22-30s-33w Haskell, KS

Risa 1-22

Job Ticket: 65575

DST#: 4

Test Start: 2019.11.21 @ 04:10:00

GENERAL INFORMATION:

Formation: **" Pawnee "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:05:40
 Time Test Ended: 13:52:40
 Interval: **4878.00 ft (KB) To 4900.00 ft (KB) (TVD)**
 Total Depth: 4900.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: ft (KB)
 ft (CF)
 KB to GR/CF: ft

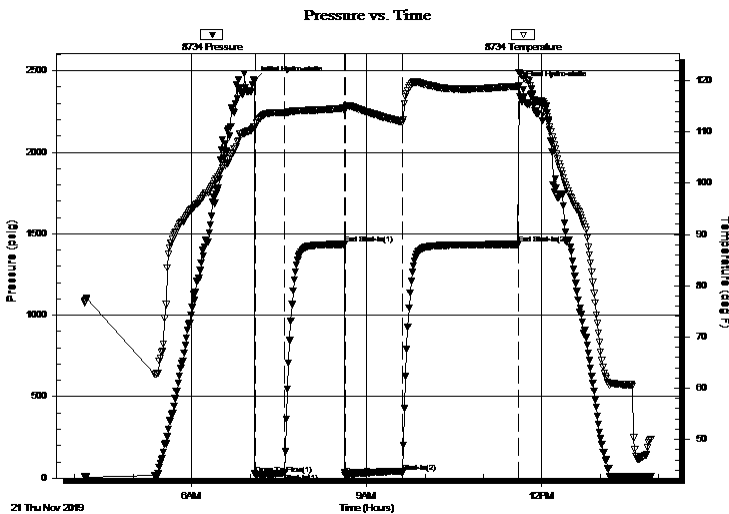
Serial #: 8734

Outside

Press@RunDepth: 32.80 psig @ 4879.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.11.21 End Date: 2019.11.21 Last Calib.: 2019.11.21
 Start Time: 04:10:01 End Time: 13:52:40 Time On Btm: 2019.11.21 @ 07:04:00
 Time Off Btm: 2019.11.21 @ 11:36:30

TEST COMMENT: 30-IF-B.O.B @ 8 1/2 mins built to 195"
 60-ISI-No blow back
 60-FF-B.O.B ASAO built to 505" on 1/8" choke G.T.S @ 25 mins
 120-FSI-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2437.09	111.08	Initial Hydro-static
2	21.56	111.00	Open To Flow (1)
32	30.21	113.70	Shut-In(1)
93	1435.00	114.65	End Shut-In(1)
94	19.05	114.83	Open To Flow (2)
153	32.80	111.86	Shut-In(2)
272	1434.95	118.92	End Shut-In(2)
273	2408.35	121.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100%Mud	0.28
0.00	GTS	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	11.50	9.69
Last Gas Rate	0.13	17.46	11.93
Max. Gas Rate	0.13	17.46	11.93



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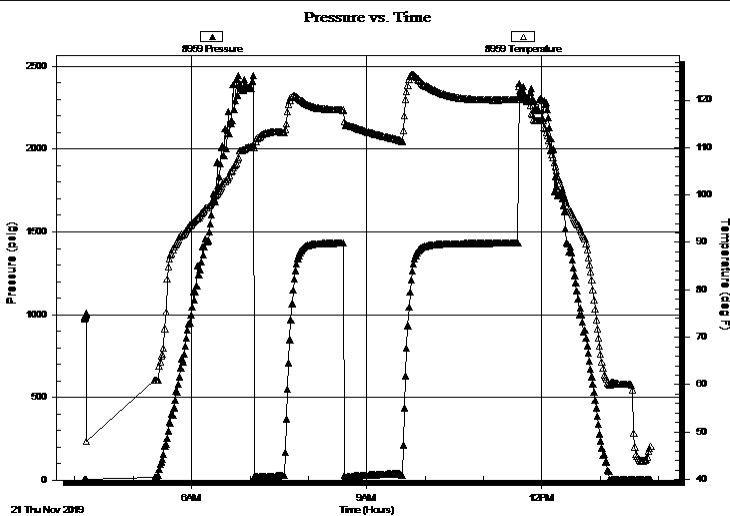
22-30s-33w Haskell, KS
Risa 1-22
Job Ticket: 65575 **DST#: 4**
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Tester: Martine Salinas
Unit No: 82
Reference Elevations: ft (KB)
ft (CF)
KB to GR/CF: ft

Serial #: 8959 Inside
Press@RunDepth: psig @ 4879.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.11.21 End Date: 2019.11.21 Last Calib.: 2019.11.21
Start Time: 04:10:01 End Time: 13:52:30 Time On Btm:
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PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100%Mud	0.28
0.00	GTS	0.00

Gas Rates

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

Berexco LLC

22-30s-33w Haskell, KS

2020 N Bramblewood
Wichita, KS 67206

Risa 1-22

Job Ticket: 65575

DST#: 4

ATTN: Ed Grieves

Test Start: 2019.11.21 @ 04:10:00

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:

bbbl

Water Loss: 4.80 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100%Mud	0.281
0.00	GTS	0.000

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

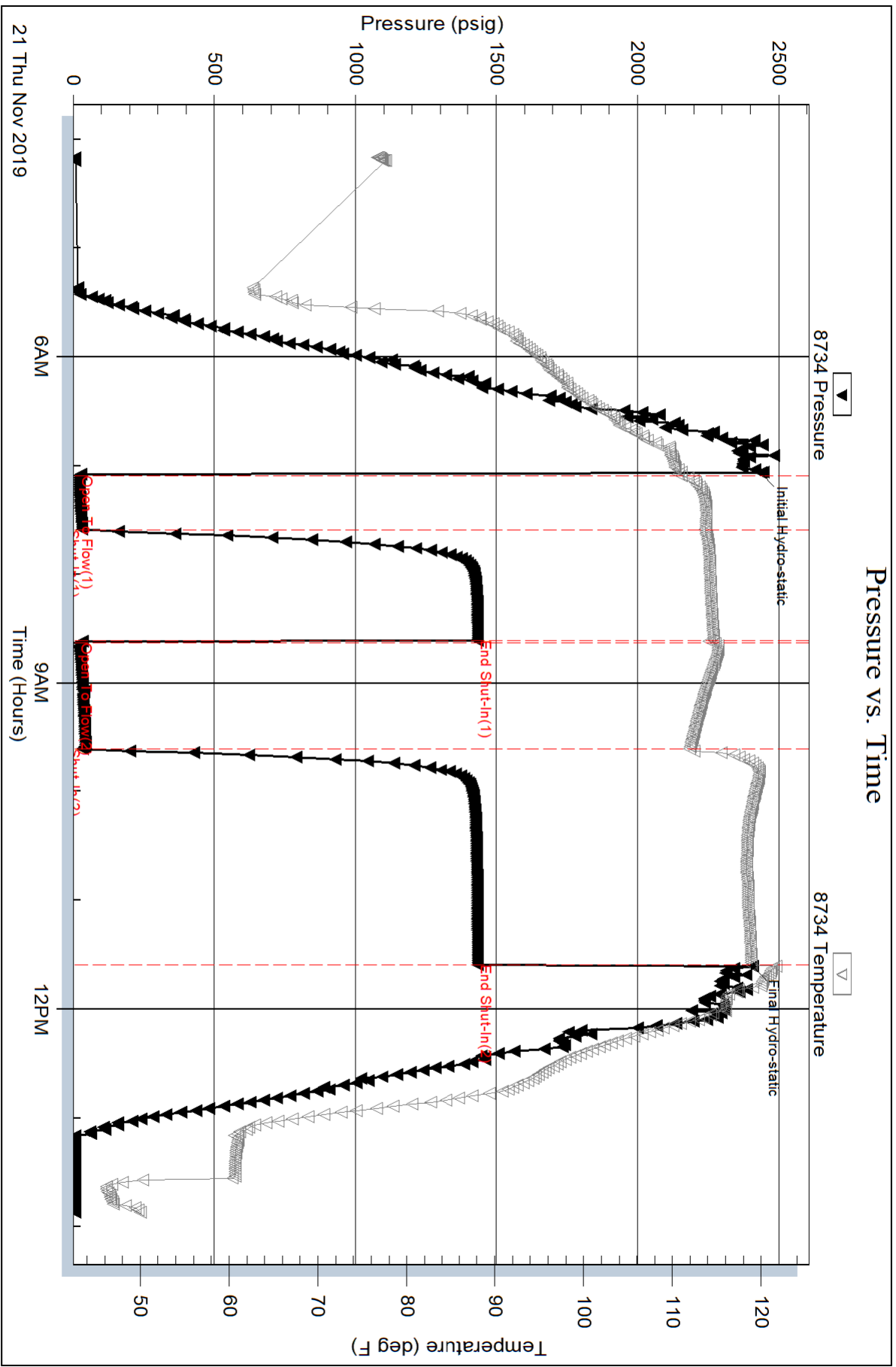
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



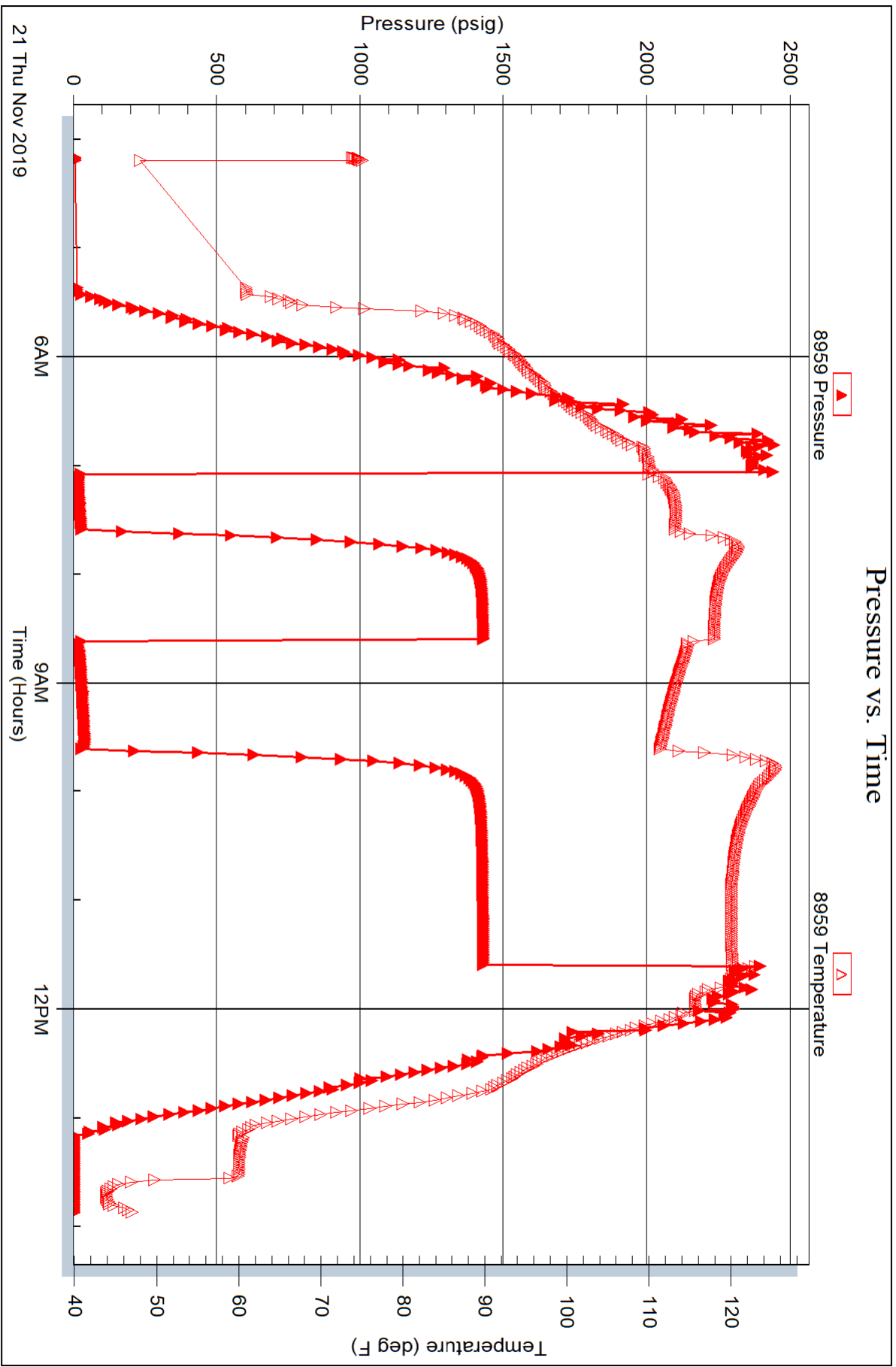
Serial #: 8959

Inside

Berexco LLC

Risa 1-22

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 65575

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