



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Dixon Operating Co., Inc.

4-23S-12W Stafford KS

8100 E 22nd ST
N. BLDG 300 SUITE 200
Wichita KS 67226
ATTN: Bruce Reed

Edna Mae #1-4

Job Ticket: 63920

DST#: 3

Test Start: 2018.07.23 @ 18:08:00

GENERAL INFORMATION:

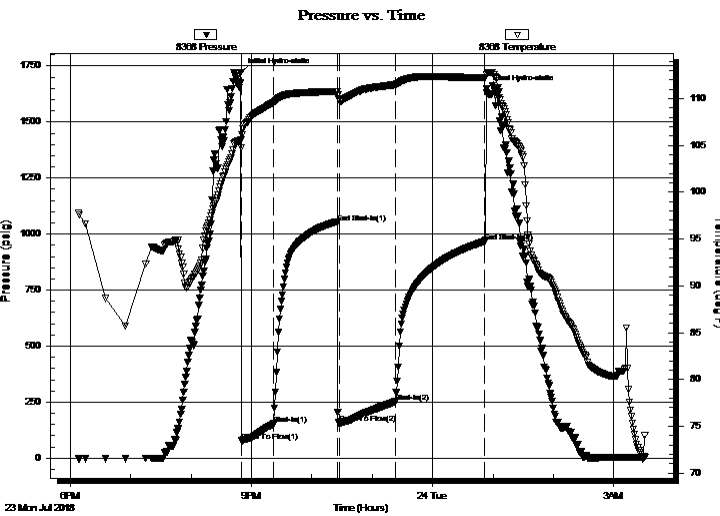
Formation: **LKC 'K-L'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:49:45
 Time Test Ended: 03:31:00
 Interval: **3490.00 ft (KB) To 3554.00 ft (KB) (TVD)**
 Total Depth: 3554.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J. Staab
 Unit No: 84
 Reference Elevations: 1849.00 ft (KB)
 1838.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8368

Inside

Press@RunDepth: 251.63 psig @ 3494.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.07.23 End Date: 2018.07.24 Last Calib.: 2018.07.24
 Start Time: 18:08:15 End Time: 03:31:00 Time On Btm: 2018.07.23 @ 20:49:30
 Time Off Btm: 2018.07.24 @ 00:53:15

TEST COMMENT: 30-IF-Strong Blow ; BOB in 30 secs ; GTS in 25 min ; TSTM ; Built to 520"
 60-ISI-Bled off
 60-FF-Strong Blow ; BOB in 2 mins ; GTS in 5 min
 90-FSI-Bled off



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.48	105.61	Initial Hydro-static
1	76.58	104.77	Open To Flow (1)
32	149.05	109.56	Shut-In(1)
96	1051.25	110.74	End Shut-In(1)
98	154.00	109.88	Open To Flow (2)
154	251.63	111.48	Shut-In(2)
243	966.66	112.24	End Shut-In(2)
244	1646.78	112.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	MO 50%M 50%O	1.34
200.00	GO 85%G 15%O	2.84
300.00	CGO 30%G 70%O	4.25

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	9.75	9.04
Last Gas Rate	0.13	10.46	9.31
Max. Gas Rate	0.13	10.46	9.31



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Unit No: 84

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Reference Elevations: 1849.00 ft (KB)

Total Depth: 3554.00 ft (KB) (TVD)

1838.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 11.00 ft

Serial #: 9120

Inside

Press@RunDepth: psig @ 3494.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.07.23

End Date:

2018.07.24

Last Calib.:

2018.07.24

Start Time: 18:08:15

End Time:

03:31:15

Time On Btm:

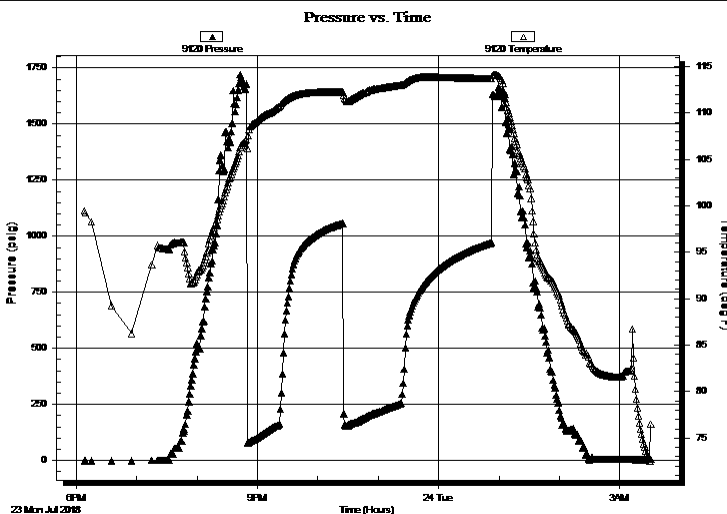
Time Off Btm:

TEST COMMENT: 30-IF-Strong Blow ; BOB in 30 secs ; GTS in 25 min ; TSTM ; Built to 520"

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PRESSURE SUMMARY

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Recovery

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FLUID SUMMARY

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Wichita KS 67226
ATTN: Bruce Reed

Edna Mae #1-4

Job Ticket: 63920

DST#: 3

Test Start: 2018.07.23 @ 18:08:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

45 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 89.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 12600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	MO 50%M 50%O	1.335
200.00	GO 85%G 15%O	2.835
300.00	CGO 30%G 70%O	4.253

Total Length: 700.00 ft

Total Volume: 8.423 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

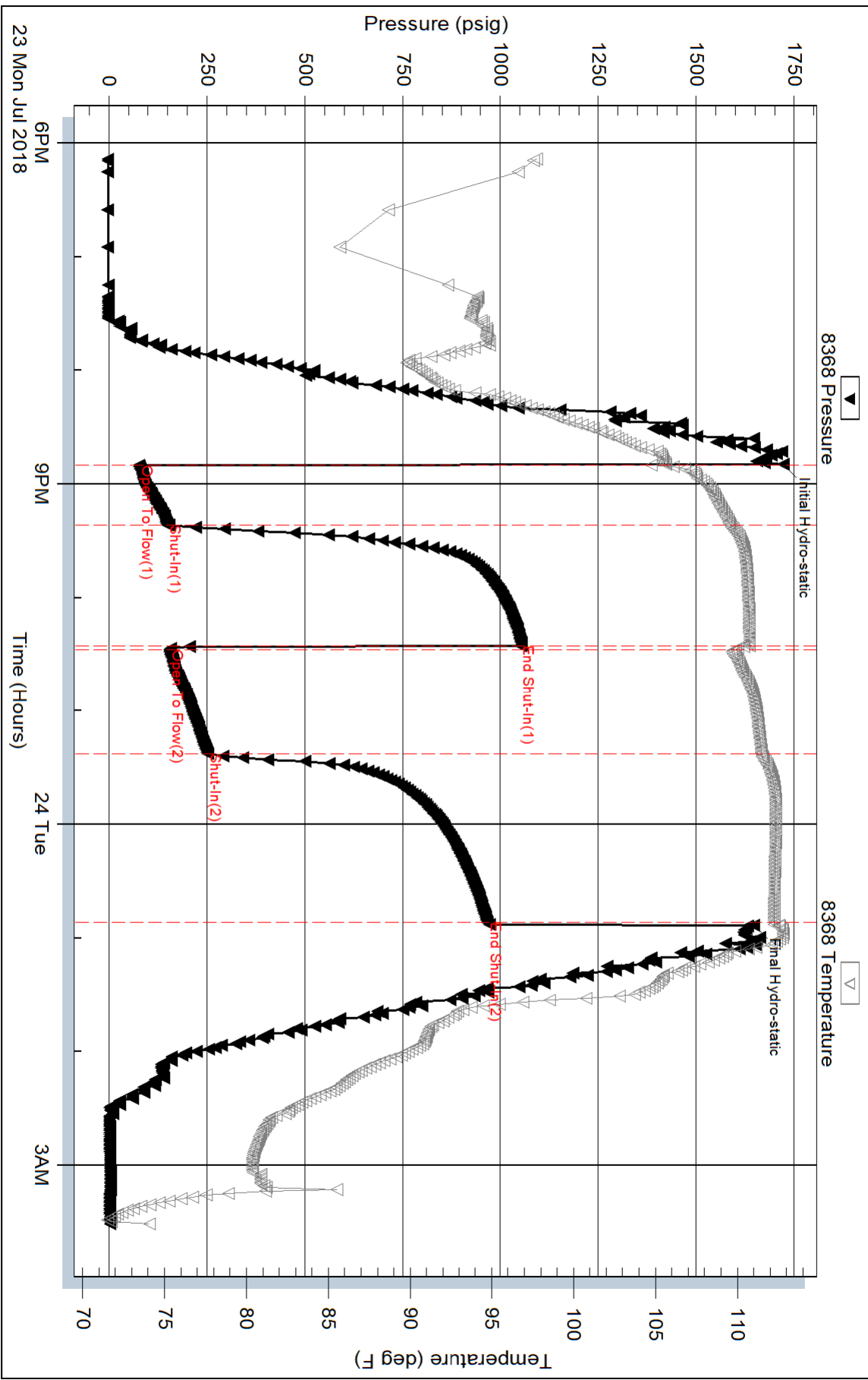
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM

Pressure vs. Time



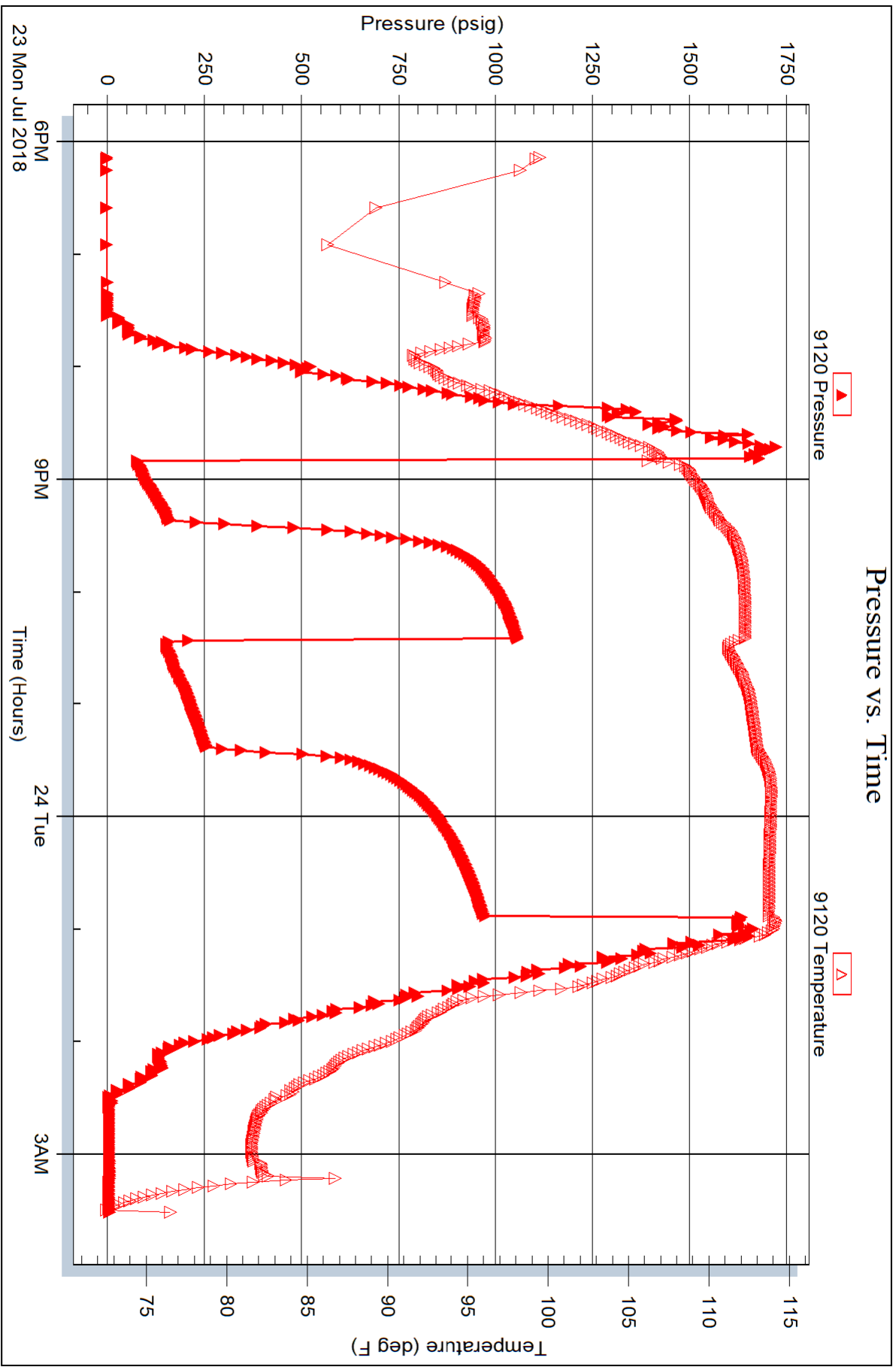
Serial #: 9120

Inside

Dixon Operating Co., Inc.

Edna Mae #1-4

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 63920

Printed: 2018.07.24 @ 07:02:26