

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Cholla Production LLC

10390 Bradford Rd Suite 201
Littleton Co 80127

ATTN: Clayton Erickson

4-20s-25w Ness KS

Schlegel #1-4

Job Ticket: 65965

DST#: 4

Test Start: 2019.07.10 @ 08:25:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:48:00

Time Test Ended: 14:03:45

Test Type: Conventional Straddle (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4420.00 ft (KB) To 4462.00 ft (KB) (TVD)

Total Depth: 4520.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2423.00 ft (KB)

2416.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8934 Inside

Press@RunDepth: 23.55 psig @ 4424.00 ft (KB)

Start Date: 2019.07.10

End Date: 2019.07.10

Start Time: 08:25:15

End Time: 14:03:45

Capacity: 8000.00 psig

Last Calib.: 2019.07.10

Time On Btm: 2019.07.10 @ 09:47:45

Time Off Btm: 2019.07.10 @ 12:30:30

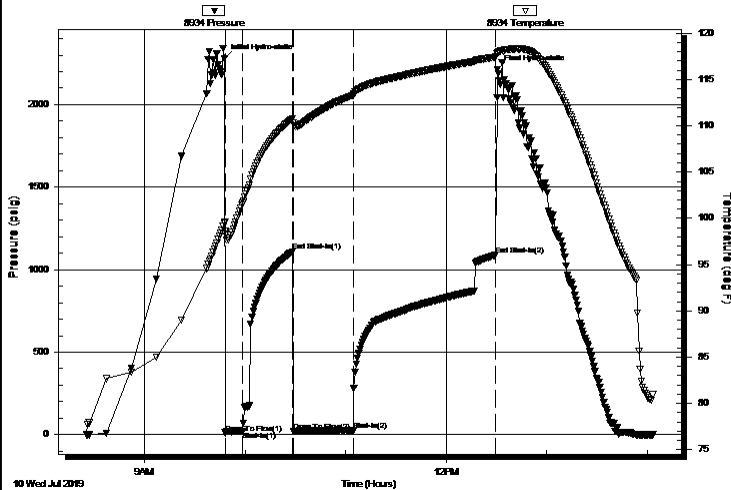
TEST COMMENT: 10-IF-Weak Surface

30-ISI-No Return

30-FF-No Blow

90-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2276.32	99.59	Initial Hydro-static
1	9.81	98.64	Open To Flow (1)
11	19.72	101.70	Shut-In (1)
41	1110.25	110.80	End Shut-In (1)
41	20.90	110.32	Open To Flow (2)
77	23.55	113.32	Shut-In (2)
162	1088.05	117.43	End Shut-In (2)
163	2212.31	117.89	Final Hydro-static

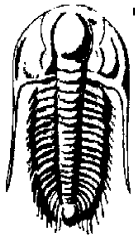
Recovery

Length (ft)	Description	Volume (bbl)
3.00	OSM 100%M	0.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



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Serial #: 8352 Inside

Press@RunDepth: psig @ 4424.00 ft (KB)

Start Date: 2019.07.10

End Date:

2019.07.10

Start Time: 08:25:15

End Time:

14:04:00

Capacity: 8000.00 psig

Last Calib.: 2019.07.10

Time On Btm:

Time Off Btm:

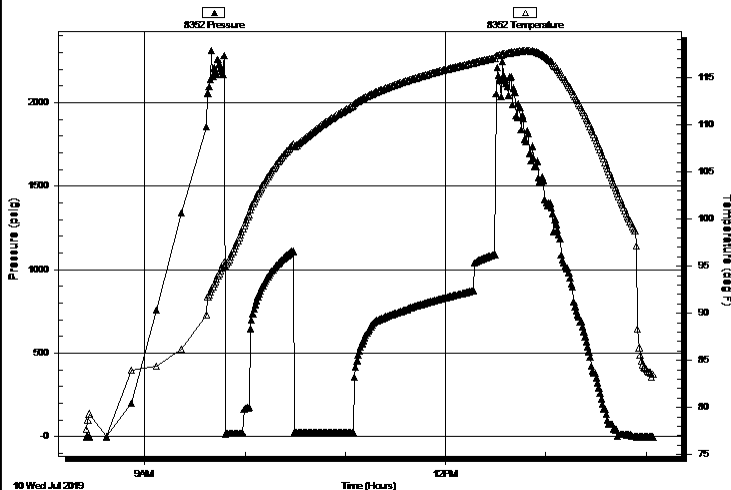
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Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
3.00	OSM 100%M	0.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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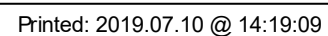
* Recovery from multiple tests

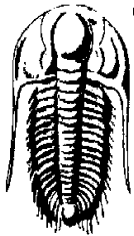


Test Start: 2019.07.10 @ 08:25:00

KB to GR/CF: 7.00 ft

90-FSI-No Return





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Cholla Production LLC

4-20s-25w Ness KS

10390 Bradford Rd Suite 201
Littleton Co 80127

Schlegel #1-4

Job Ticket: 65965

DST#: 4

ATTN: Clayton Erickson

Test Start: 2019.07.10 @ 08:25:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 11.19 in³

Resistivity: ohm.m

Salinity: 6000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	OSM 100%M	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1&1/2#LCM

Sampler=300mL Mud @39PSI

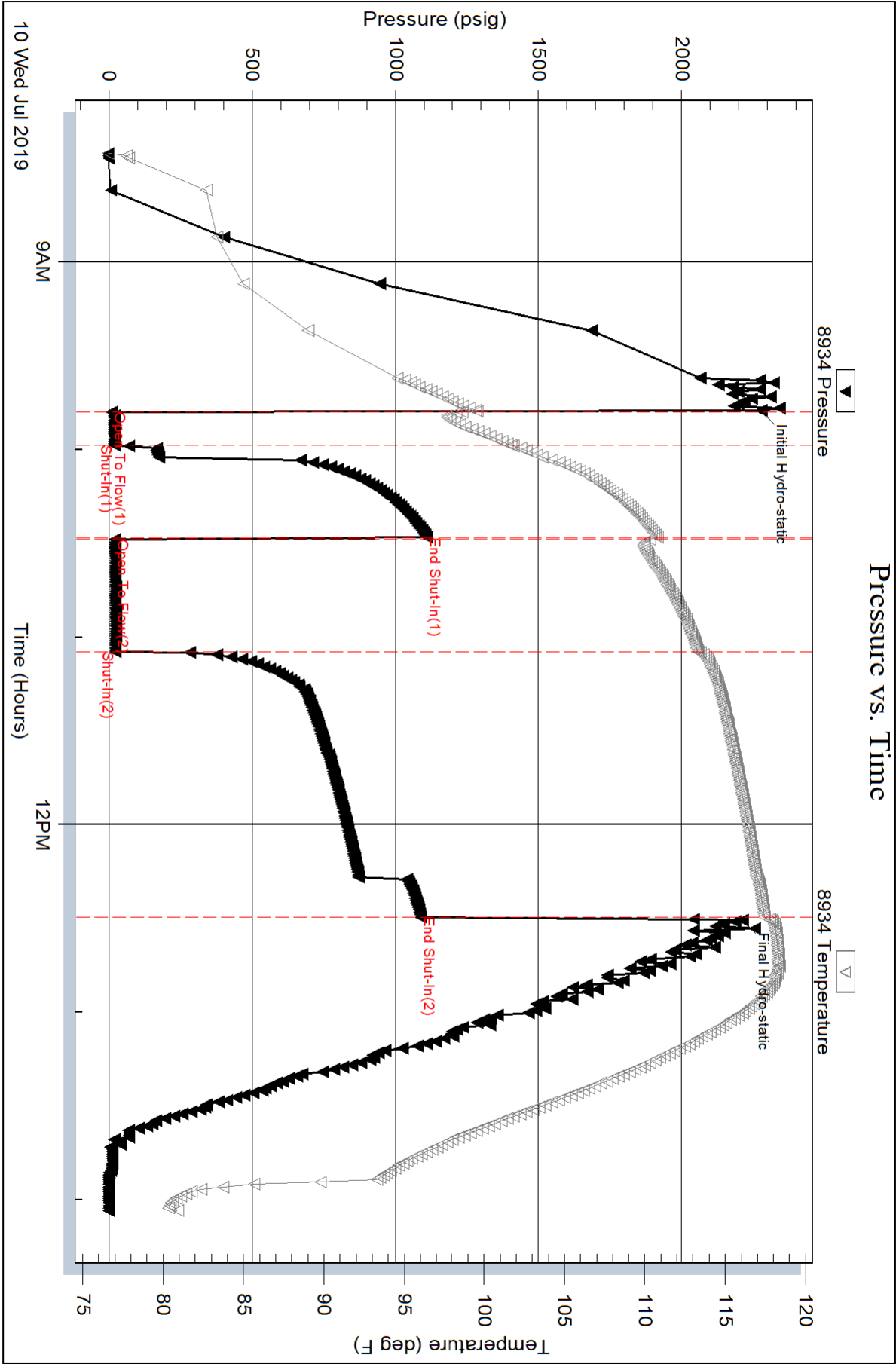
Serial #: 8934

Inside

Cholla Production LLC

Schlegel #1-4

DST Test Number: 4



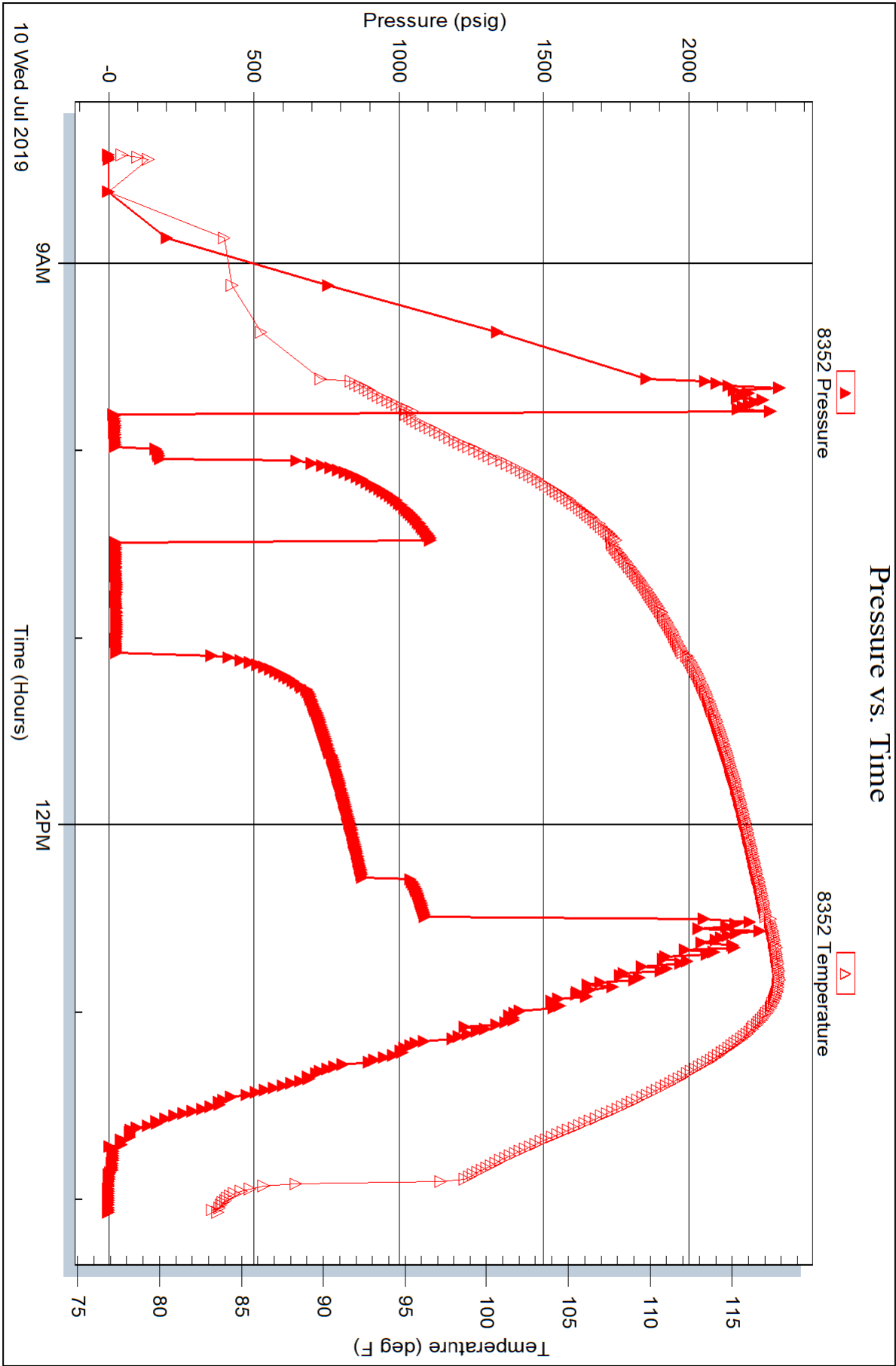
Serial #: 8352

Inside

Cholla Production LLC

Schlegel #1-4

DST Test Number: 4



Serial #: 9120

Below (Stratton) Production LLC

Schlegel #1-4

DST Test Number: 4

