

**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: 65963

DST#: 2

Test Start: 2019.07.08 @ 12:08:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:51:30

Time Test Ended: 18:02:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4383.00 ft (KB) To 4455.00 ft (KB) (TVD)

Total Depth: 4455.00 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: 26.99 psig @ 4387.00 ft (KB)

Start Date: 2019.07.08

End Date:

2019.07.08

Start Time: 12:08:15

End Time:

18:02:45

Capacity: 8000.00 psig

Last Calib.: 2019.07.08

Time On Btm: 2019.07.08 @ 13:51:15

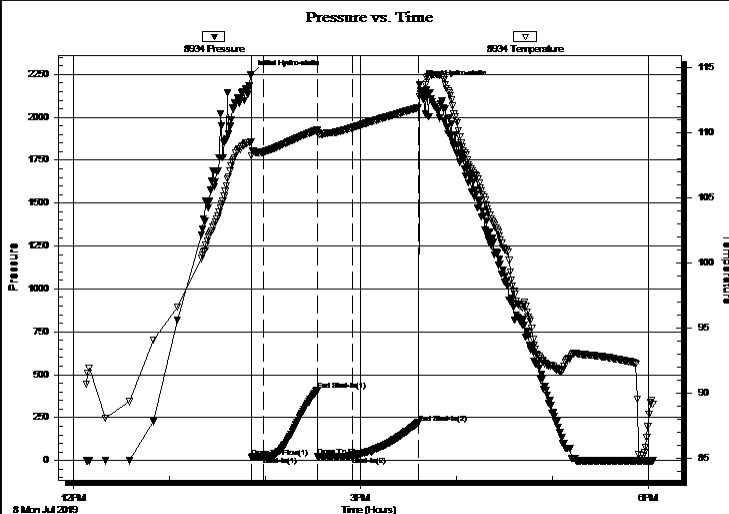
Time Off Btm: 2019.07.08 @ 15:36:30

TEST COMMENT: 10-IF-Weak; Built to 1/2"

30-ISI-No Return

20-FF-No Blow

40-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2250.10	109.33	Initial Hydro-static
1	20.73	108.23	Open To Flow (1)
8	21.55	108.53	Shut-In(1)
42	408.30	110.21	End Shut-In(1)
42	24.55	109.98	Open To Flow (2)
64	26.99	110.38	Shut-In(2)
105	219.37	111.91	End Shut-In(2)
106	2187.82	112.80	Final Hydro-static

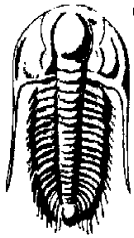
Recovery

Length (ft)	Description	Volume (bbl)
7.00	SOCM 12%O 88%M	0.03

Gas Rates

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



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Unit No: 84

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Total Depth: 4455.00 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 #: 8352 Inside

Press@RunDepth: psig @ 4387.00 ft (KB)

Start Date: 2019.07.08

End Date:

2019.07.08

Start Time: 12:08:15

End Time:

18:03:00

Capacity: 8000.00 psig

Last Calib.:

2019.07.08

Time On Btm:

Time Off Btm:

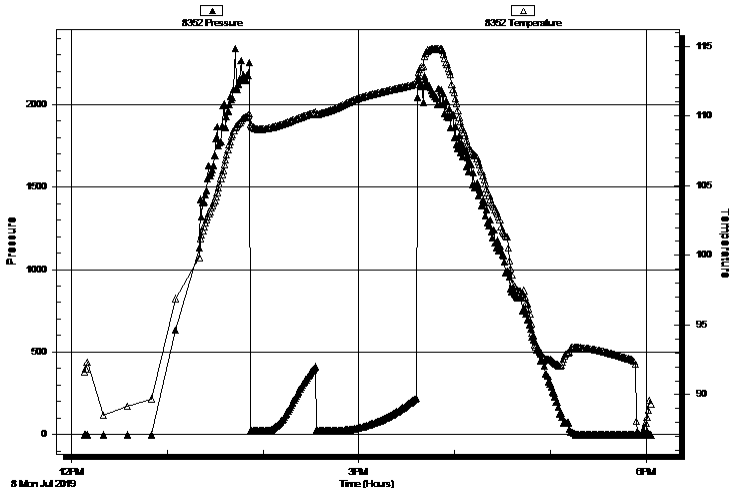
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Pressure vs. Time



PRESSURE SUMMARY

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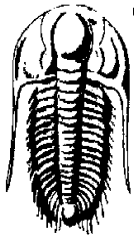
Recovery

Length (ft)	Description	Volume (bbl)
7.00	SOCM 12%O 88%M	0.03

Gas Rates

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



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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: 65963

DST#: 2

ATTN: Clayton Erickson

Test Start: 2019.07.08 @ 12:08:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 10.19 in³

Resistivity: ohm.m

Salinity: 5300.00 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
7.00	SOCM 12%O 88%M	0.034

Total Length: 7.00 ft Total Volume: 0.034 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

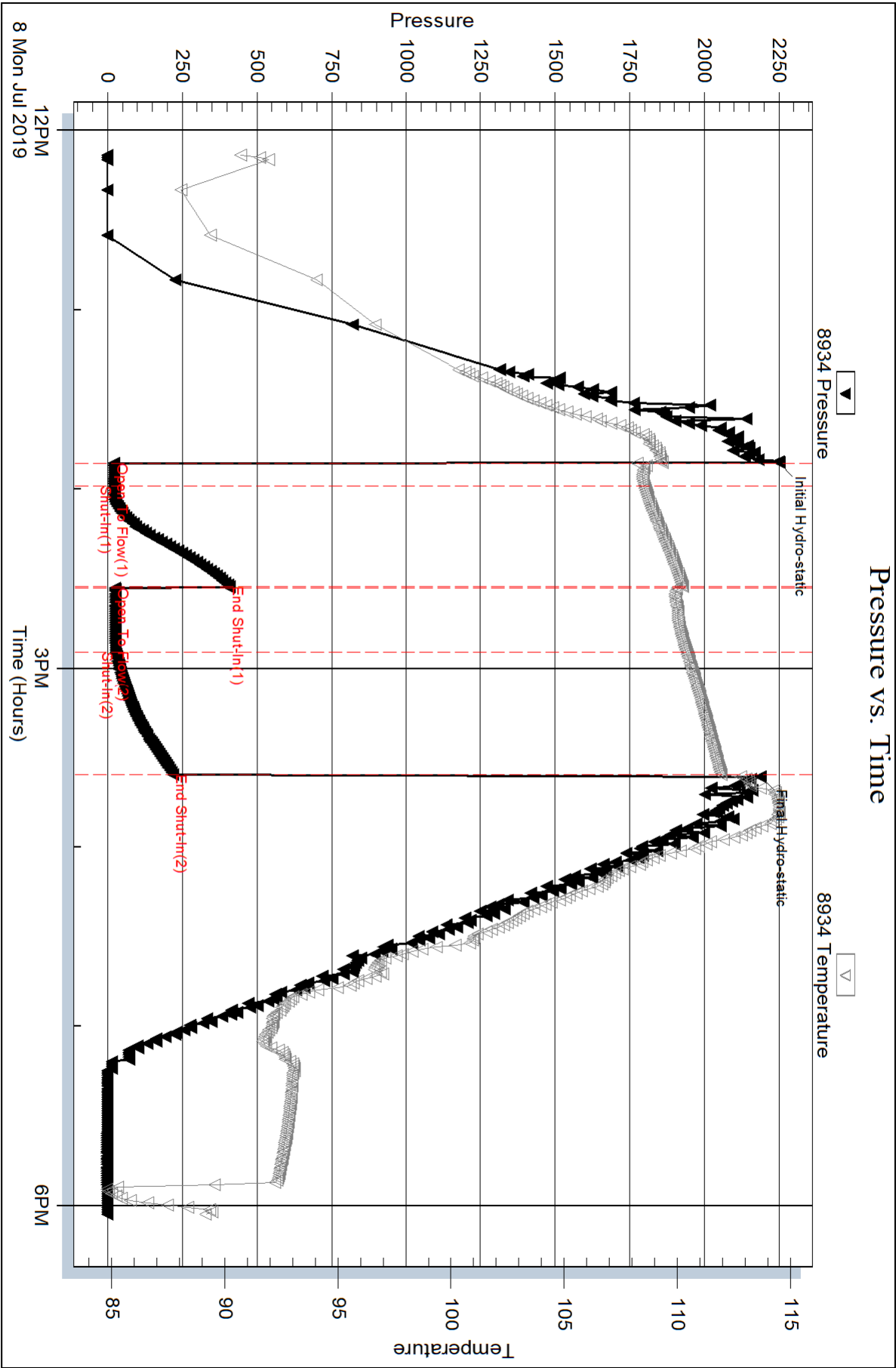
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3#LCM

Sampler=100ml Oil 400mL Mud @36PSI



Serial #: 8352

Inside

Cholla Production LLC

Schlegel #1-4

DST Test Number: 2

