

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: 65964

DST#: 3

Test Start: 2019.07.09 @ 02:12:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:21:30

Time Test Ended: 10:57:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Spencer J Staab

Unit No: 84

Interval: 4455.00 ft (KB) To 4470.00 ft (KB) (TVD)

Total Depth: 4470.00 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: 98.23 psig @ 4456.00 ft (KB)

Start Date: 2019.07.09

End Date:

2019.07.09

Start Time: 02:12:15

End Time:

10:57:30

Capacity: 8000.00 psig

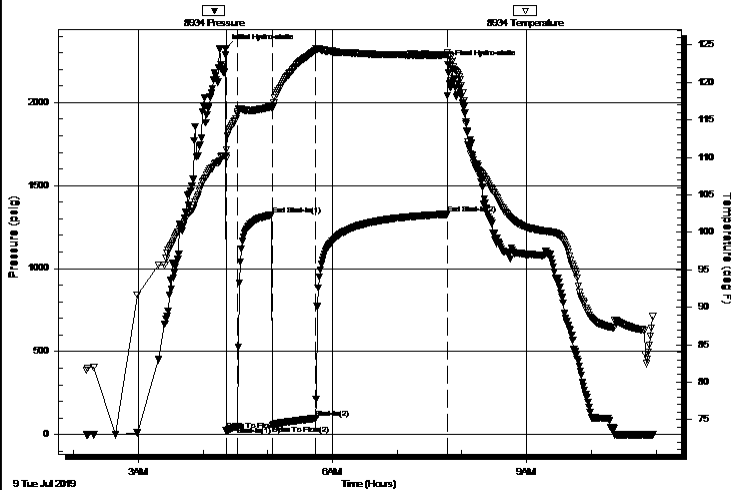
Last Calib.: 2019.07.09

Time On Btm: 2019.07.09 @ 04:21:15

Time Off Btm: 2019.07.09 @ 07:47:15

TEST COMMENT: 10-IF-Weak; Built to 3"
30-ISI-No Return
40-FF-Fair; Built to 6"
120-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2325.68	110.23	Initial Hydro-static
1	23.56	109.89	Open To Flow (1)
11	50.70	116.02	Shut-In(1)
43	1323.75	116.79	End Shut-In(1)
44	54.76	116.49	Open To Flow (2)
84	98.23	124.24	Shut-In(2)
205	1327.39	123.67	End Shut-In(2)
206	2226.20	123.95	Final Hydro-static

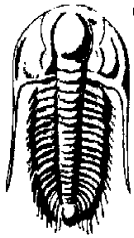
Recovery

Length (ft)	Description	Volume (bbl)
100.00	HMCW 30%M 70%W	0.49
100.00	WCM 15%W 85%M	1.25

Gas Rates

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



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2416.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8352 Outside

Press@RunDepth: psig @ 4456.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.09

End Date:

2019.07.09

Last Calib.:

2019.07.09

Start Time: 02:12:15

End Time:

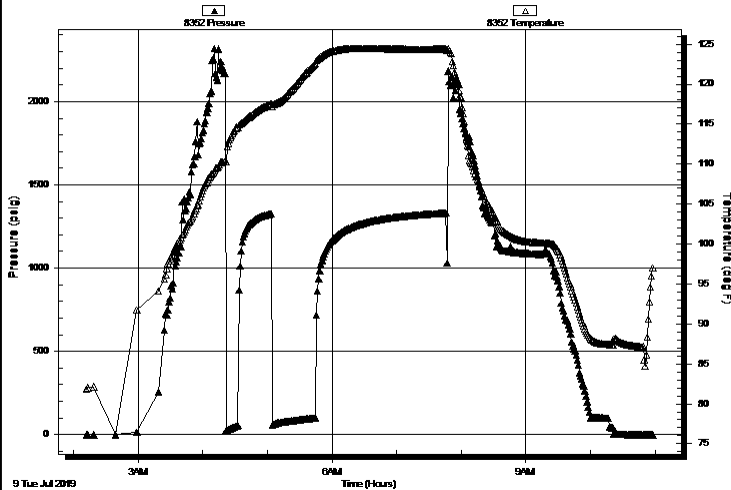
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Time On Btm:

Time Off Btm:

TEST COMMENT: 10-IF-Weak; Built to 3"
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40-FF-Fair; Built to 6"
120-FSI-No Return

Pressure vs. Time



PRESSURE SUMMARY

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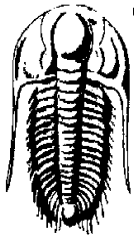
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FLUID SUMMARY

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4-20s-25w Ness KS

10390 Bradford Rd Suite 201
Littleton Co 80127

Schlegel #1-4

Job Ticket: 65964

DST#: 3

ATTN: Clayton Erickson

Test Start: 2019.07.09 @ 02:12:00

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

60000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	HMCW 30%M 70%W	0.492
100.00	WCM 15%W 85%M	1.251

Total Length: 200.00 ft Total Volume: 1.743 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3#LCM

Sampler= 400mL Mud 600mL Water @ 70PSI

Rw =.098@90F

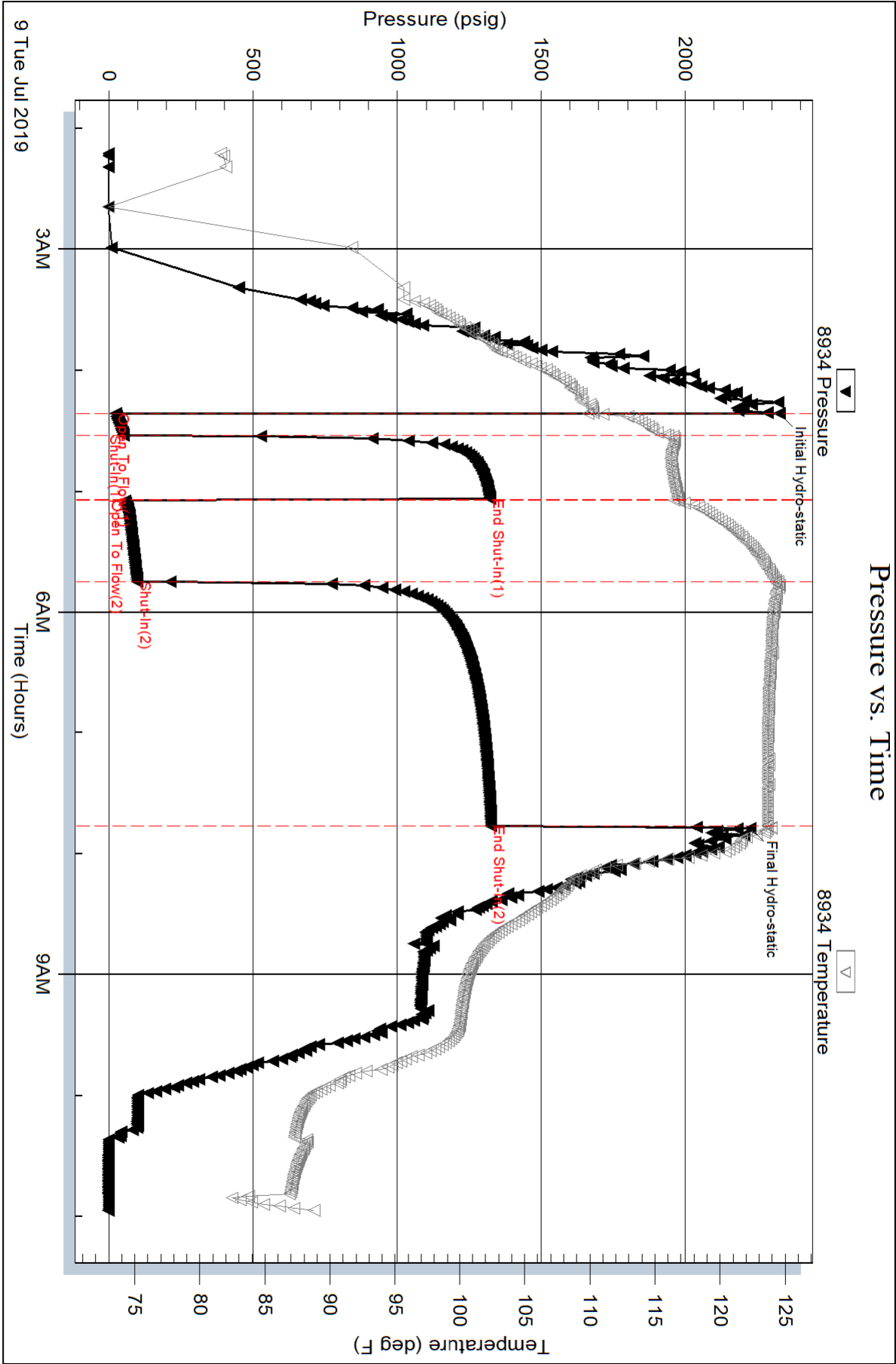
Serial #: 8934

Inside

Cholla Production LLC

Schlegel #1-4

DST Test Number: 3



Serial #: 8352

Outside Cholla Production LLC

Schlegel #1-4

DST Test Number: 3

