



DRILL STEM TEST REPORT

Prepared For: **Cholla Production, LLC.**

10390 Bradford Rd. STE 201
Littleton, CO 80127

ATTN: Justin Carter

Stallman #2-25

25/2s/30w Decatur KS

Start Date: 2013.09.25 @ 02:05:00

End Date: 2013.09.25 @ 08:44:30

Job Ticket #: 55088 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.09.25 @ 09:26:59



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cholla Production, LLC.

25/2s/30w Decatur KS

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Job Ticket: 55088

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Test Start: 2013.09.25 @ 02:05:00

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:01:00

Time Test Ended: 08:44:30

Test Type: Conventional Bottom Hole (Initial)

Tester: James Winder

Unit No: 57

Interval: 3764.00 ft (KB) To 3818.00 ft (KB) (TVD)

Total Depth: 3818.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2803.00 ft (KB)

2798.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8671

Inside

Press @ Run Depth: 100.40 psig @ 3765.00 ft (KB)

Start Date: 2013.09.25

End Date:

2013.09.25

Start Time: 02:05:05

End Time:

08:44:29

Capacity: 8000.00 psig

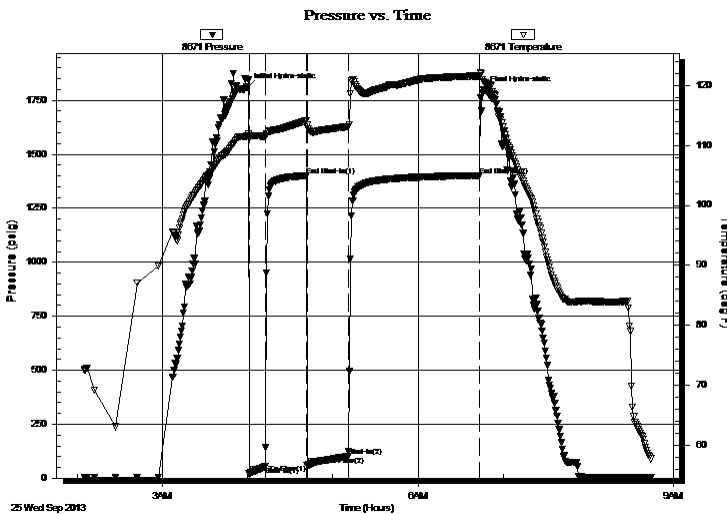
Last Calib.: 2013.09.25

Time On Btm: 2013.09.25 @ 03:59:45

Time Off Btm: 2013.09.25 @ 06:46:00

TEST COMMENT: 10 - IF: Blow built to 3"
30 - IS: No blow back
30 - FF: Blow built to 6"
90 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1809.96	111.59	Initial Hydro-static
2	20.28	111.21	Open To Flow (1)
13	54.12	111.51	Shut-In(1)
42	1401.25	114.13	End Shut-In(1)
42	58.62	113.36	Open To Flow (2)
71	100.40	113.16	Shut-In(2)
164	1401.55	121.59	End Shut-In(2)
167	1796.70	120.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
122.00	MCW 80%w , 20%m	0.60
53.00	MCW 68%w , 32%m	0.74
0.00	Sampler = 155 PSI	0.00
0.00	Sampler = 2500 mL 93%w , 7%m	0.00

Gas Rates

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



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FLUID SUMMARY

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Stallman #2-25

Job Ticket: 55088

DST#: 1

ATTN: Justin Carter

Test Start: 2013.09.25 @ 02:05:00

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:

9750 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
122.00	MCW 80%w , 20%m	0.600
53.00	MCW 68%w , 32%m	0.743
0.00	Sampler = 155 PSI	0.000
0.00	Sampler = 2500 mL 93%w , 7%m	0.000

Total Length: 175.00 ft Total Volume: 1.343 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .735 ohms @ 59 deg F Chlorides = 9,750 ppm

Sampler RW = .650 ohms @ 57 deg F Chlorides = 12,000 ppm

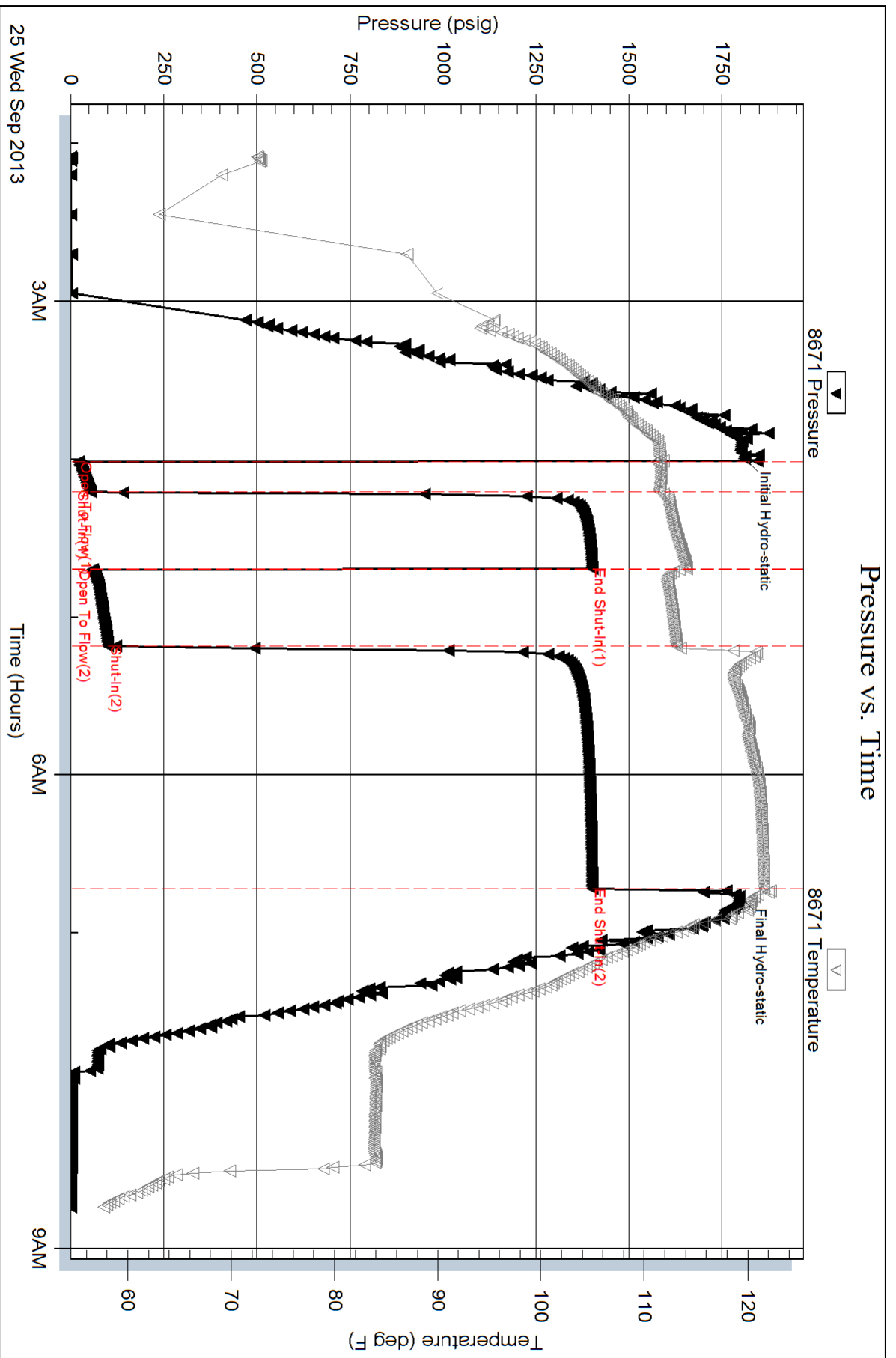
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Inside

Cholla Production, LLC.

Stallman #2-25

DST Test Number: 1

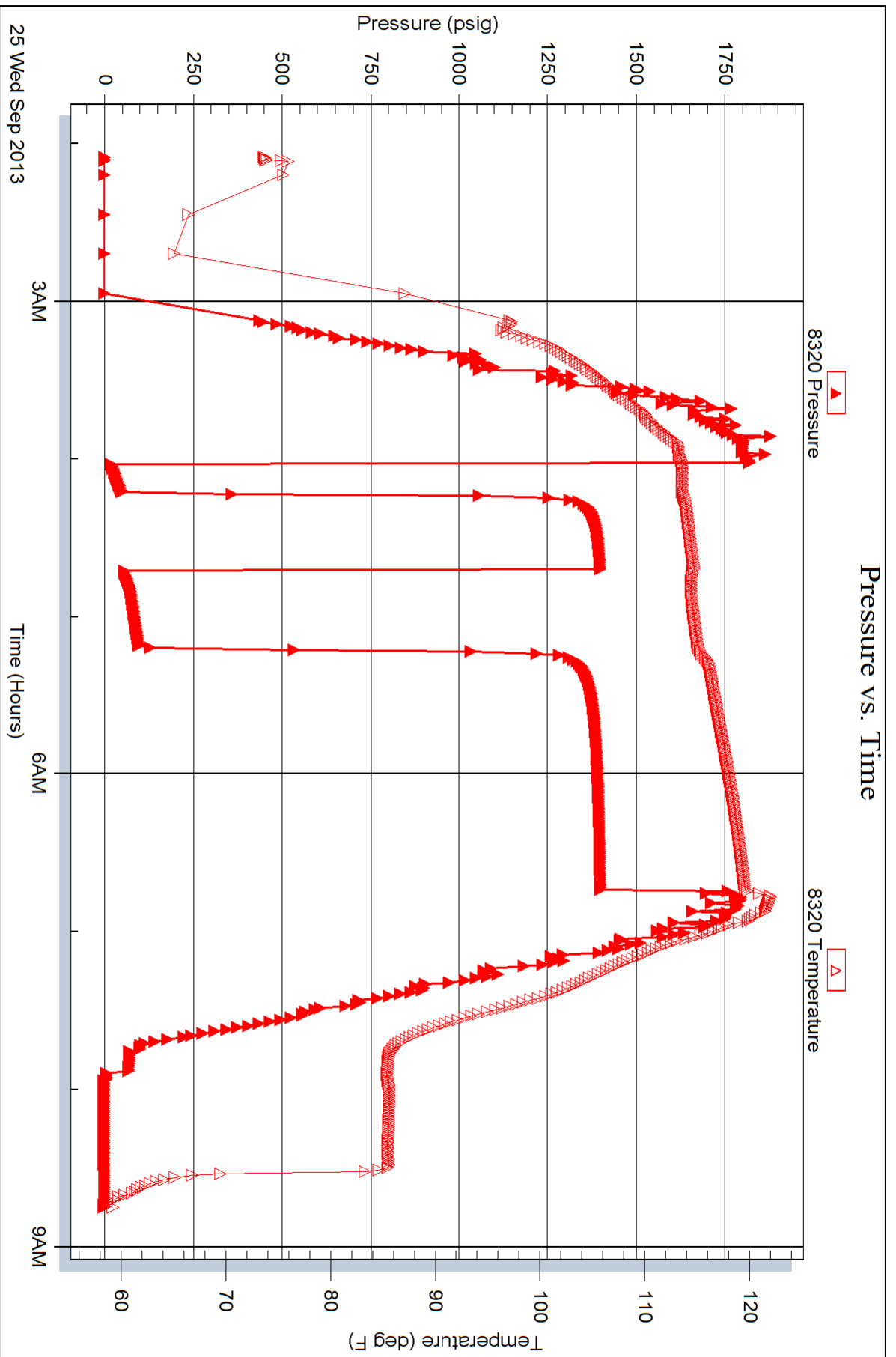


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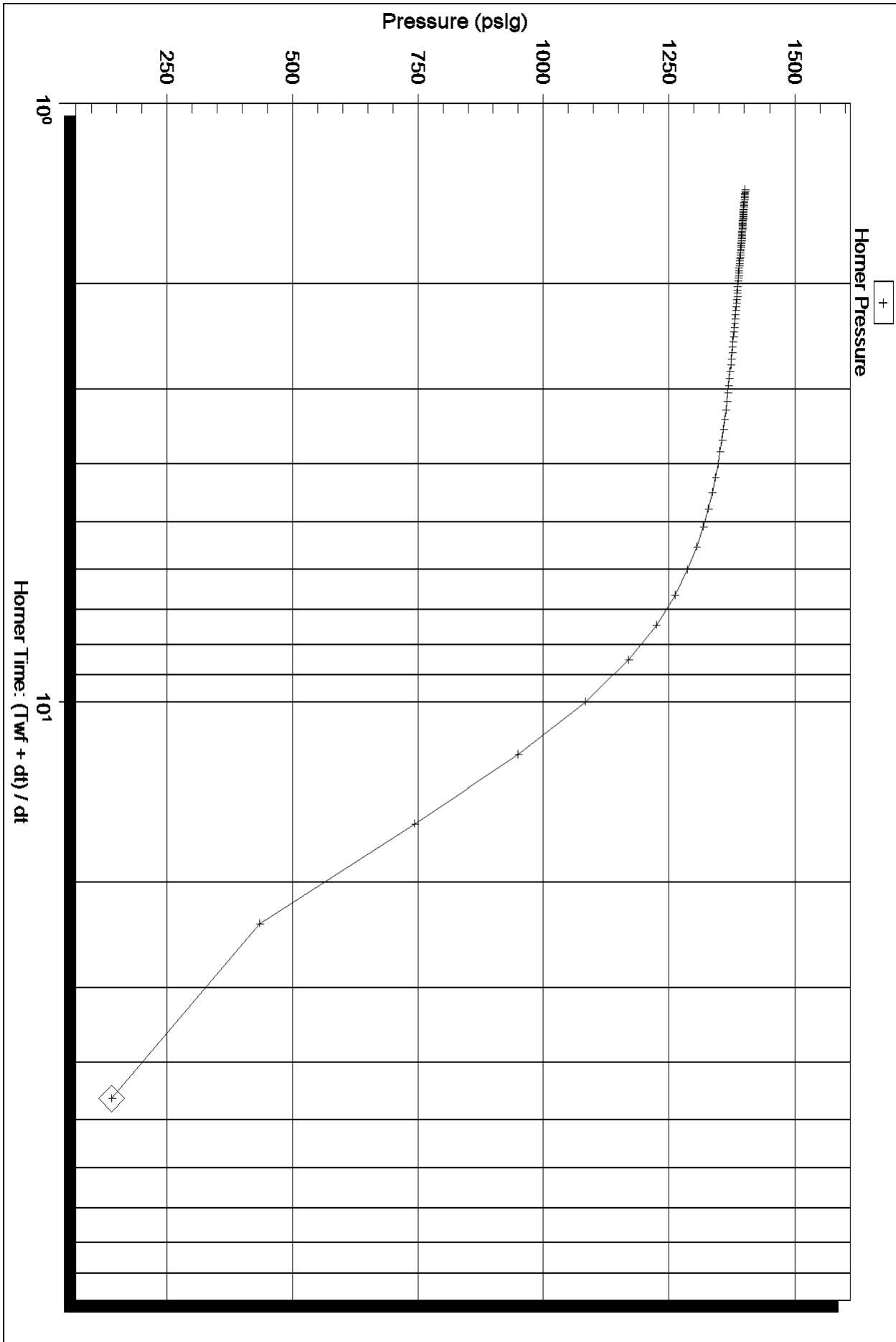
Outside Cholla Production, LLC.

Stallman #2-25

DST Test Number: 1



Horner Plot



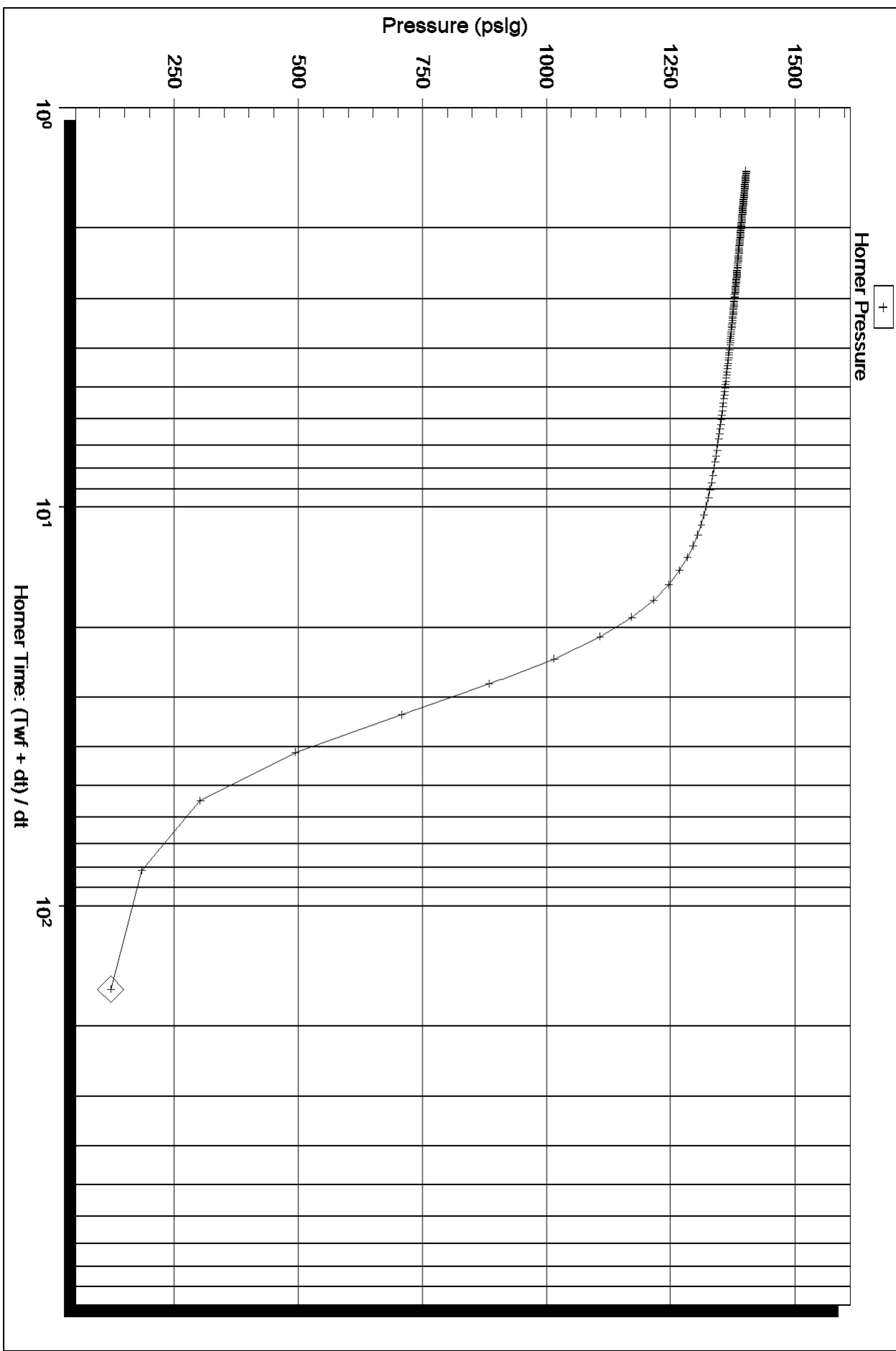
Serial Number: 8671 (Inside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 1

Horner Plot



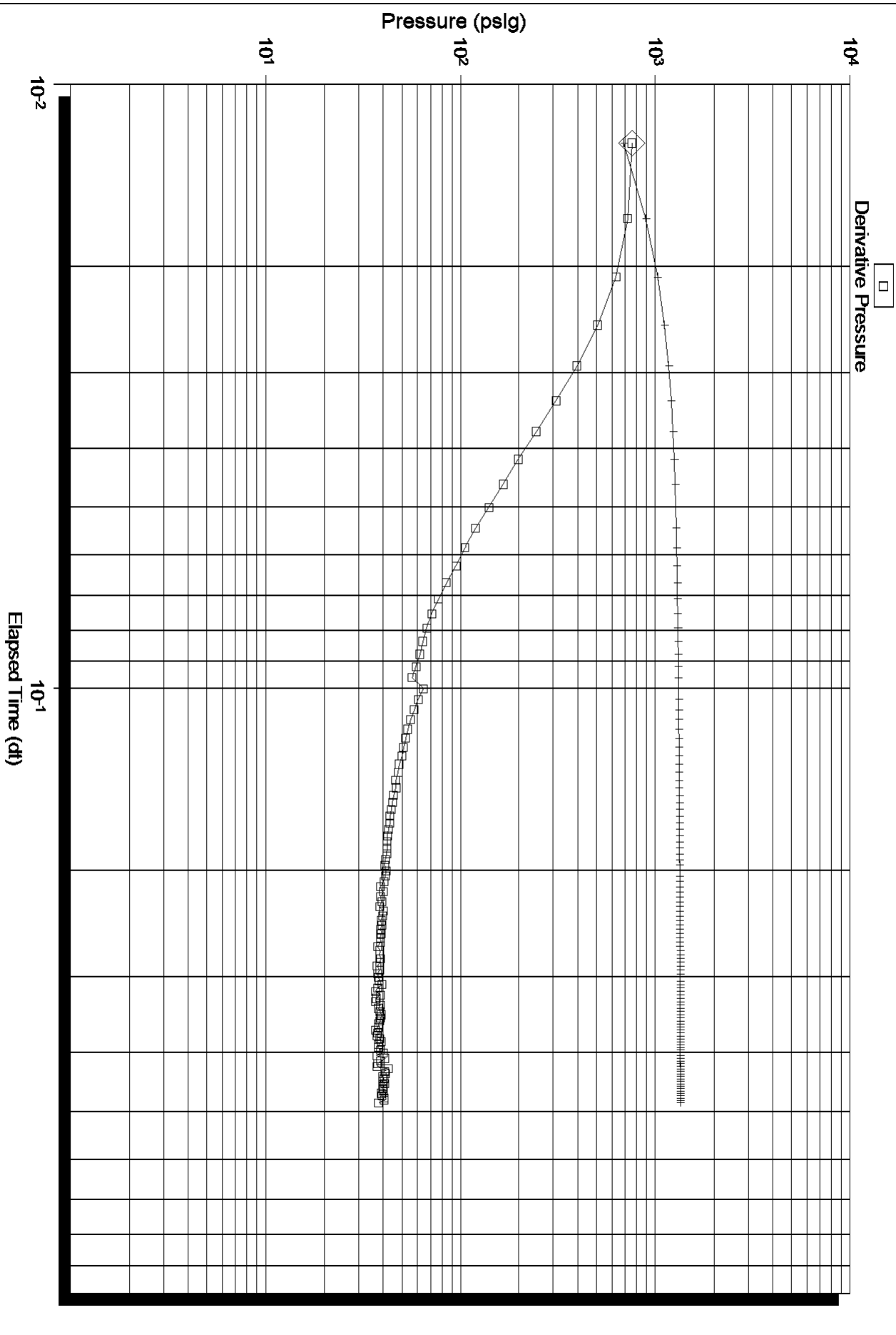
Serial Number: 8671 (Inside)

P* :

Slope (m) : kpa/log cycle

Flow Cycle: 2

Log-Log and Pseudo-Derivative



Log-Log and Pseudo-Derivative

