



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Raymond Oil Co

24-14-33w Logan, Ks

p.o. box 48788
Wichita, Ks
67201-8788
ATTN: Max Lovely

Meyer #1

Job Ticket: 48273

DST#: 4

Test Start: 2015.12.18 @ 13:35:14

GENERAL INFORMATION:

Formation: **180' "J"**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 15:21:14

Time Test Ended: 21:20:14

Test Type: Conventional Straddle (Reset)

Tester: Shane McBride

Unit No: 84

Interval: 3940.00 ft (KB) To 3963.00 ft (KB) (TVD)

Reference Elevations: 2722.00 ft (KB)

Total Depth: 4624.00 ft (KB) (TVD)

2717.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 9120 Outside

Press @ Run Depth: 66.21 psig @ 3941.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.12.18

End Date: 2015.12.18

Last Calib.: 2015.12.18

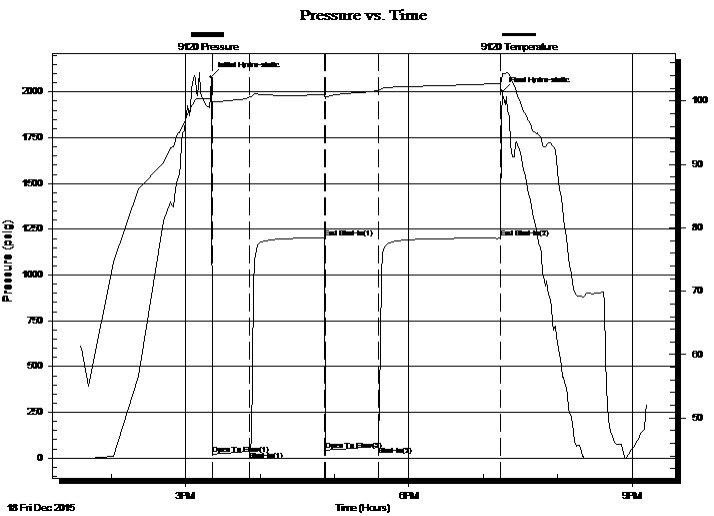
Start Time: 13:35:14

End Time: 21:12:14

Time On Btm: 2015.12.18 @ 15:20:29

Time Off Btm: 2015.12.18 @ 19:15:14

TEST COMMENT: 1/4" in @ open, died back to a surface blow
No return
Surface blow in 5 min, blew through out 1/8" in
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2082.10	100.40	Initial Hydro-static
1	18.94	99.51	Open To Flow (1)
32	37.48	100.65	Shut-In(1)
92	1203.88	101.03	End Shut-In(1)
92	43.17	100.31	Open To Flow (2)
136	66.21	101.67	Shut-In(2)
234	1201.26	102.80	End Shut-In(2)
235	2004.04	104.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
115.00	m c w 40% m 60% w	0.57

Gas Rates

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

* Recovery from multiple tests



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Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 15:21:14

Time Test Ended: 21:20:14

Interval: 3940.00 ft (KB) To 3963.00 ft (KB) (TVD)

Total Depth: 4624.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)

Tester: Shane McBride

Unit No: 84

Reference Elevations: 2722.00 ft (KB)

2717.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8353

Press @ Run Depth: psig @ ft (KB)

Start Date: 2015.12.18 End Date: 2015.12.18

Start Time: 13:34:41 End Time: 21:09:56

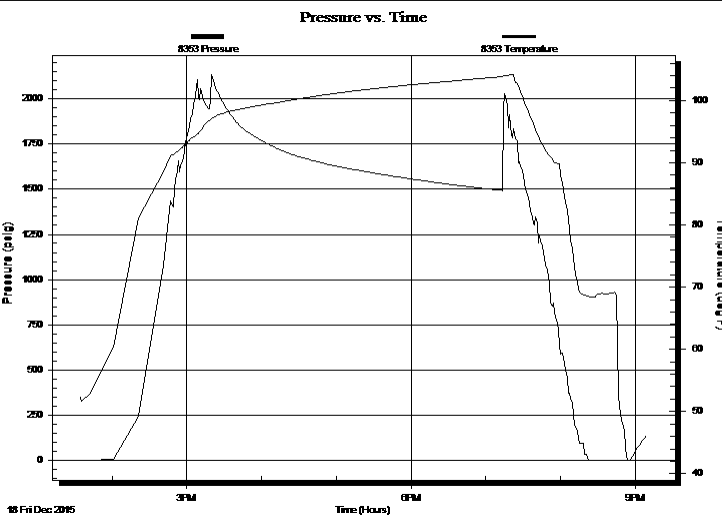
Capacity: 8000.00 psig

Last Calib.: 2015.12.18

Time On Btm:

Time Off Btm:

TEST COMMENT: 1/4" in @ open , died back to a surface blow
No return
Surface blow in 5 min ,blew through out 1/8" in
No return



PRESSURE SUMMARY

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

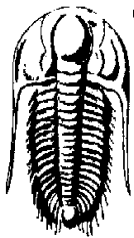
Recovery

Length (ft)	Description	Volume (bbl)
115.00	mc w 40% m 60% w	0.57

Gas Rates

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

* Recovery from multiple tests



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ATTN: Max Lovely

24-14-33w Logan, Ks

Meyer #1

Job Ticket: 48273

DST#: 4

Test Start: 2015.12.18 @ 13:35:14

GENERAL INFORMATION:

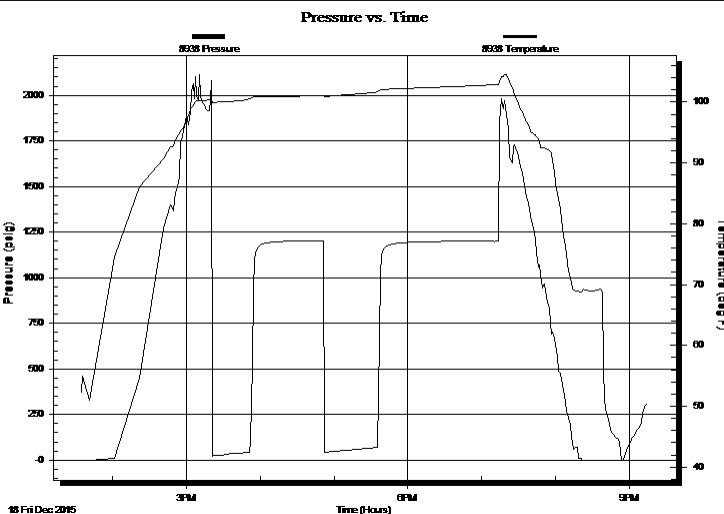
Formation: 180' "J"			
Deviated: No Whipstock: 0.00 ft (KB)	Test Type: Conventional Straddle (Reset)		
Time Tool Opened: 15:21:14	Tester: Shane McBride		
Time Test Ended: 21:20:14	Unit No: 84		
Interval: 3940.00 ft (KB) To 3963.00 ft (KB) (TVD)	Reference Elevations: 2722.00 ft (KB)		
Total Depth: 4624.00 ft (KB) (TVD)	2717.00 ft (CF)		
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 5.00 ft	

Serial #: 8938

Inside

Press @RunDepth: psig @ 3941.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2015.12.18	End Date: 2015.12.18
Start Time: 13:35:08	End Time: 21:14:38
	Last Calib.: 2015.12.18
	Time On Btm:
	Time Off Btm:

TEST COMMENT: 1/4" @ open, died back to a surface blow
 No return
 Surface blow in 5 min, blew through out 1/8" in
 No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
115.00	m c w 40% m 60% w	0.57

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

FLUID SUMMARY

Raymond Oil Co

24-14-33w Logan, Ks

p.o. box 48788
Wichita, Ks
67201-8788

Meyer #1

Job Ticket: 48273

DST#: 4

ATTN: Max Lovely

Test Start: 2015.12.18 @ 13:35:14

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity: 25000 ppm
Viscosity: 78.00 sec/qt	Cushion Volume: bbl	
Water Loss: 11.17 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 8000.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
115.00	m c w 40% m 60% w	0.566

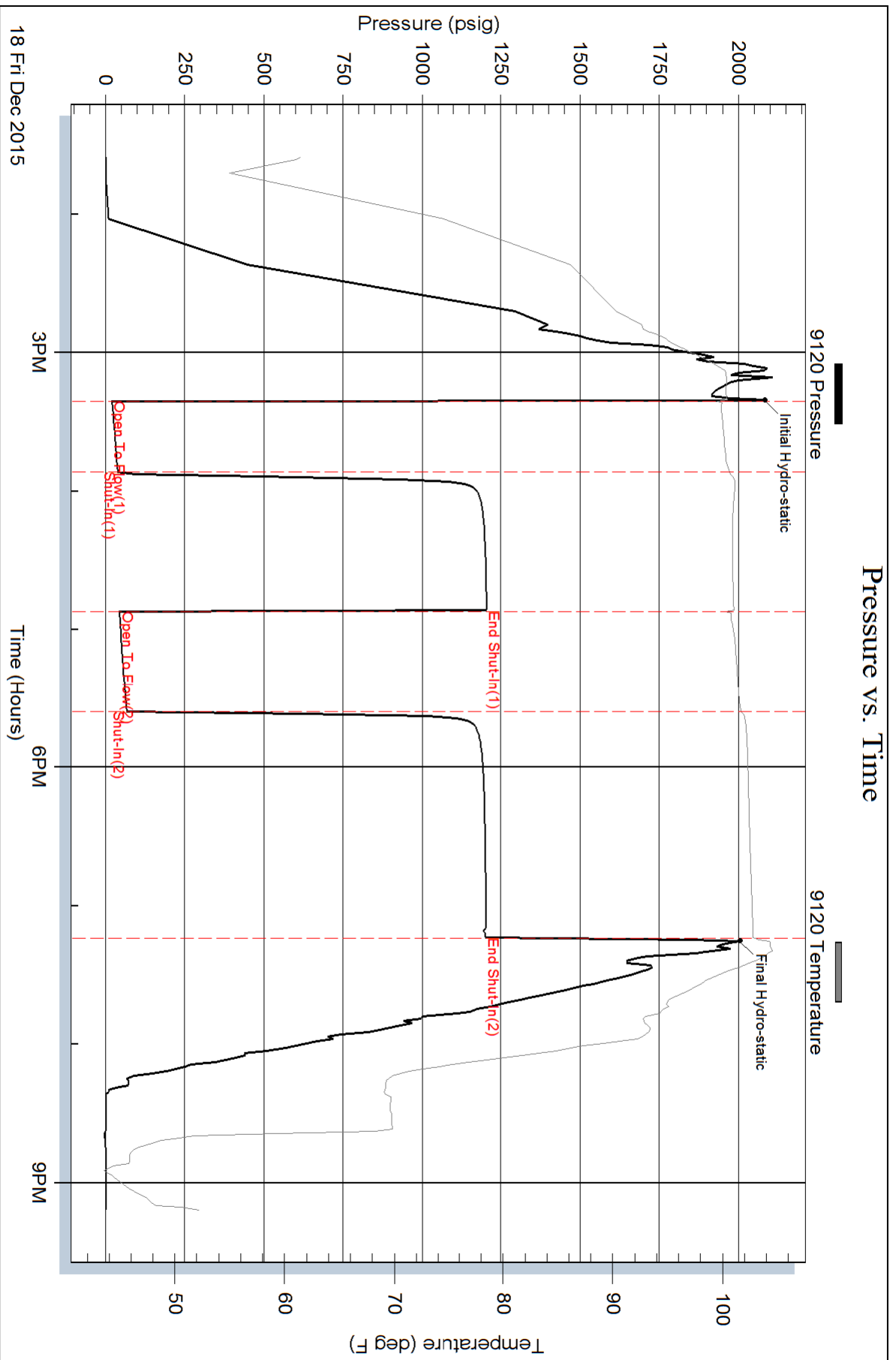
Total Length: 115.00 ft Total Volume: 0.566 bbl

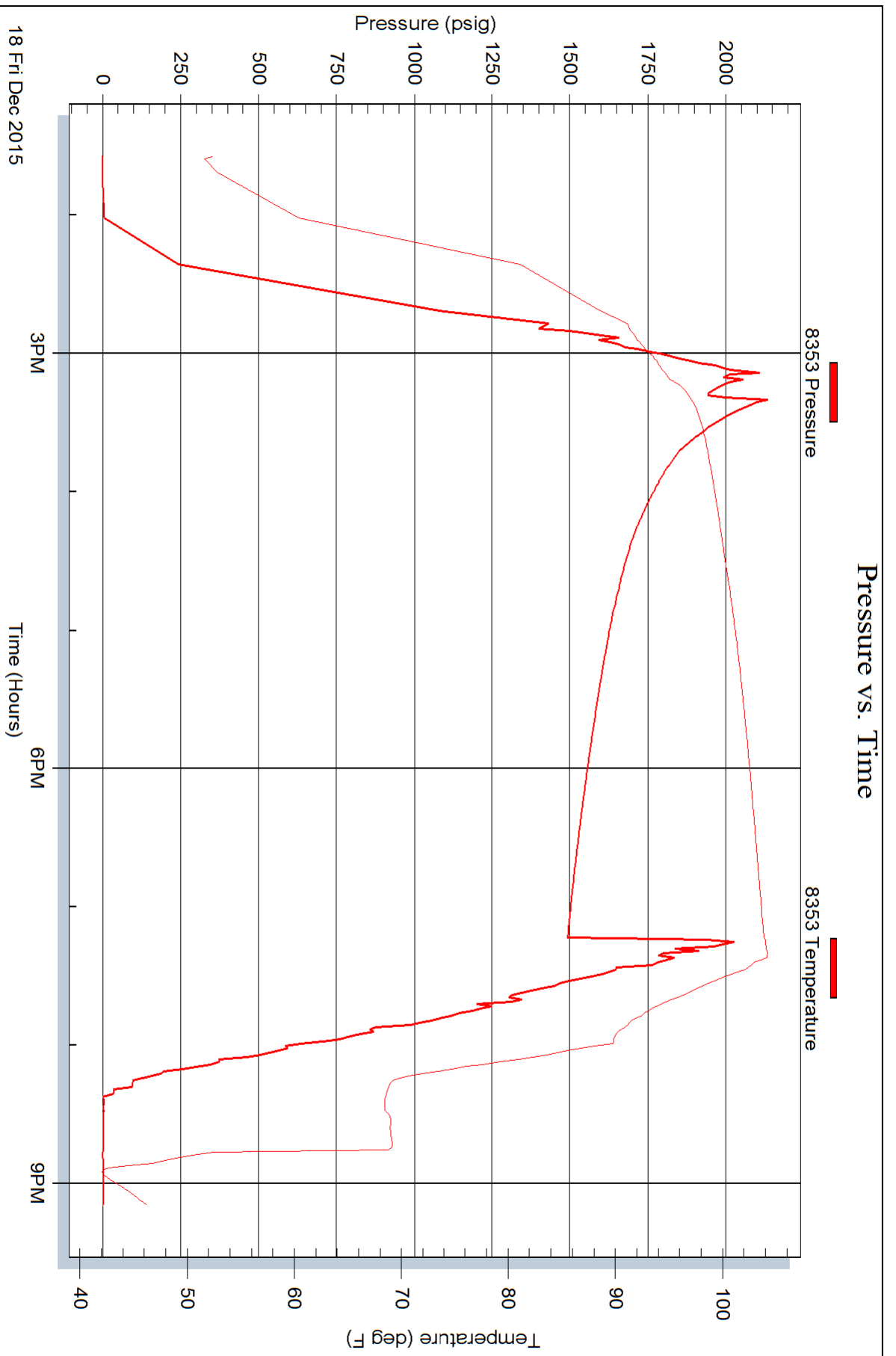
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: rw .453 @ 40*f= 25,000 chlor

Pressure vs. Time





Serial #: 8938

Inside

Raymond Oil Co

Meyer #1

DST Test Number: 4

Pressure vs. Time

