



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Meridian Energy Inc.
1475 Ward Dr
Franktown, CO 80116
ATTN: Maxwell LaFon

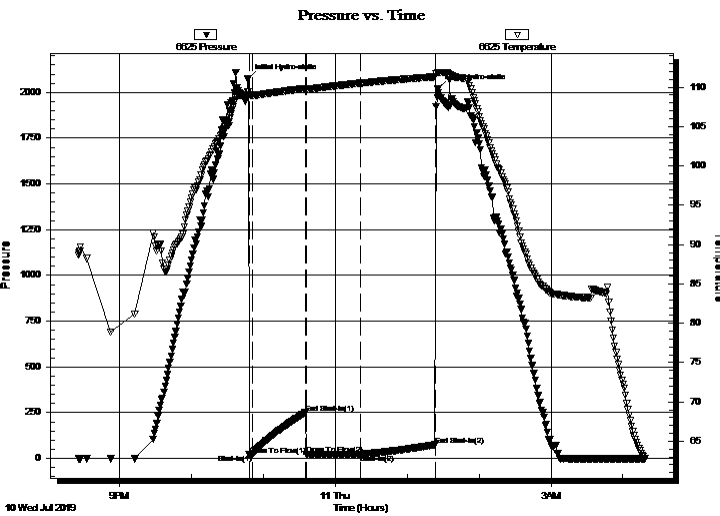
19/1s/31w Rawlins, KS
Solko #1
Job Ticket: 64690 **DST#: 5**
Test Start: 2019.07.10 @ 20:26:00

GENERAL INFORMATION:

Formation: **Lans. "D"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:48:15
Time Test Ended: 04:18:30
Interval: **3932.00 ft (KB) To 4018.00 ft (KB) (TVD)**
Total Depth: 4130.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2870.00 ft (KB)
2865.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Straddle (Reset)
Tester: James Winder
Unit No: 83

Serial #: 6625 Inside
Press@RunDepth: 23.28 psig @ 3933.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.07.10 End Date: 2019.07.11 Last Calib.: 2019.07.11
Start Time: 20:26:05 End Time: 04:18:29 Time On Btm: 2019.07.10 @ 22:48:00
Time Off Btm: 2019.07.11 @ 01:25:45

TEST COMMENT: 2 - IF: Blow built to almost 1/2"
45 - IS: No blow back
45 - FF: No blow
60 - FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2073.92	109.43	Initial Hydro-static
1	19.90	109.08	Open To Flow (1)
4	20.02	108.97	Shut-In(1)
47	249.65	109.85	End Shut-In(1)
48	21.32	109.87	Open To Flow (2)
93	23.28	110.51	Shut-In(2)
156	74.85	111.32	End Shut-In(2)
158	2022.40	111.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100%	0.04

* Recovery from multiple tests

Gas Rates

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



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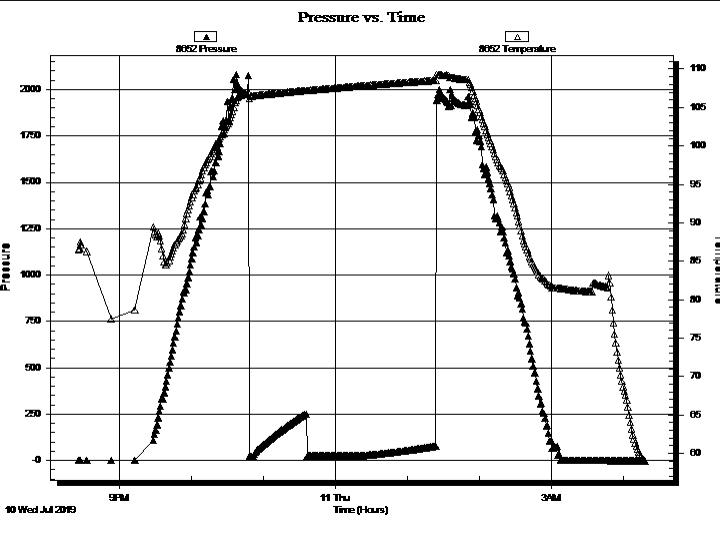
19/1s/31w Rawlins, KS
Solko #1
Job Ticket: 64690 **DST#: 5**
Test Start: 2019.07.10 @ 20:26:00

GENERAL INFORMATION:

Formation: **Lans. "D"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)
Time Tool Opened: 22:48:15 Tester: James Winder
Time Test Ended: 04:18:30 Unit No: 83
Interval: 3932.00 ft (KB) To 4018.00 ft (KB) (TVD) Reference Elevations: 2870.00 ft (KB)
Total Depth: 4130.00 ft (KB) (TVD) 2865.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8652 Outside
Press@RunDepth: psig @ 3933.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.07.10 End Date: 2019.07.11 Last Calib.: 2019.07.11
Start Time: 20:26:05 End Time: 04:17:59 Time On Btm:
Time Off Btm:

TEST COMMENT: 2 - IF: Blow built to almost 1/2"
45 - ISI: No blow back
45 - FF: No blow
60 - FS: No blow



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

Recovery		
Length (ft)	Description	Volume (bbl)
3.00	Mud 100%	0.04

* Recovery from multiple tests

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



**TRILOBITE
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DRILL STEM TEST REPORT

Meridian Energy Inc.
1475 Ward Dr
Franktown, CO 80116
ATTN: Maxwell LaFon

19/1s/31w Rawlins, KS

Solko #1

Job Ticket: 64690

DST#: 5

Test Start: 2019.07.10 @ 20:26:00

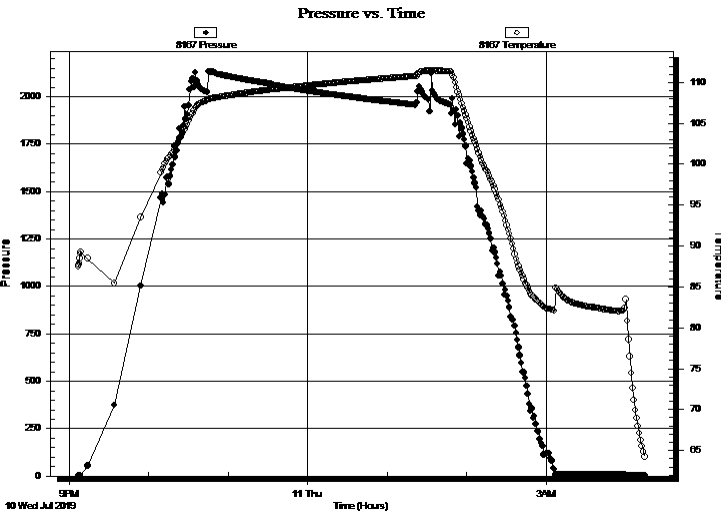
GENERAL INFORMATION:

Formation: Lans. "D"			Test Type: Conventional Straddle (Reset)
Deviated: No Whipstock:	ft (KB)		Tester: James Winder
Time Tool Opened: 22:48:15			Unit No: 83
Time Test Ended: 04:18:30			Reference Elevations: 2870.00 ft (KB)
Interval: 3932.00 ft (KB) To 4018.00 ft (KB) (TVD)			2865.00 ft (CF)
Total Depth: 4130.00 ft (KB) (TVD)			KB to GR/CF: 5.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair		

Serial #: 8167 Below (Straddle)

Press@RunDepth:	psig @	4019.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2019.07.10	End Date:	2019.07.11	Last Calib.:	2019.07.11
Start Time:	21:07:05	End Time:	04:14:59	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 2 - IF: Blow built to almost 1/2"
45 - IS: No blow back
45 - FF: No blow
60 - FS: No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Mud 100%	0.04

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy Inc.

19/1s/31w Rawlins, KS

1475 Ward Dr
Franktown, CO 80116

Solko #1

Job Ticket: 64690

DST#: 5

ATTN: Maxwell LaFon

Test Start: 2019.07.10 @ 20:26:00

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:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
3.00	Mud 100%	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl

Num Fluid Samples: 0

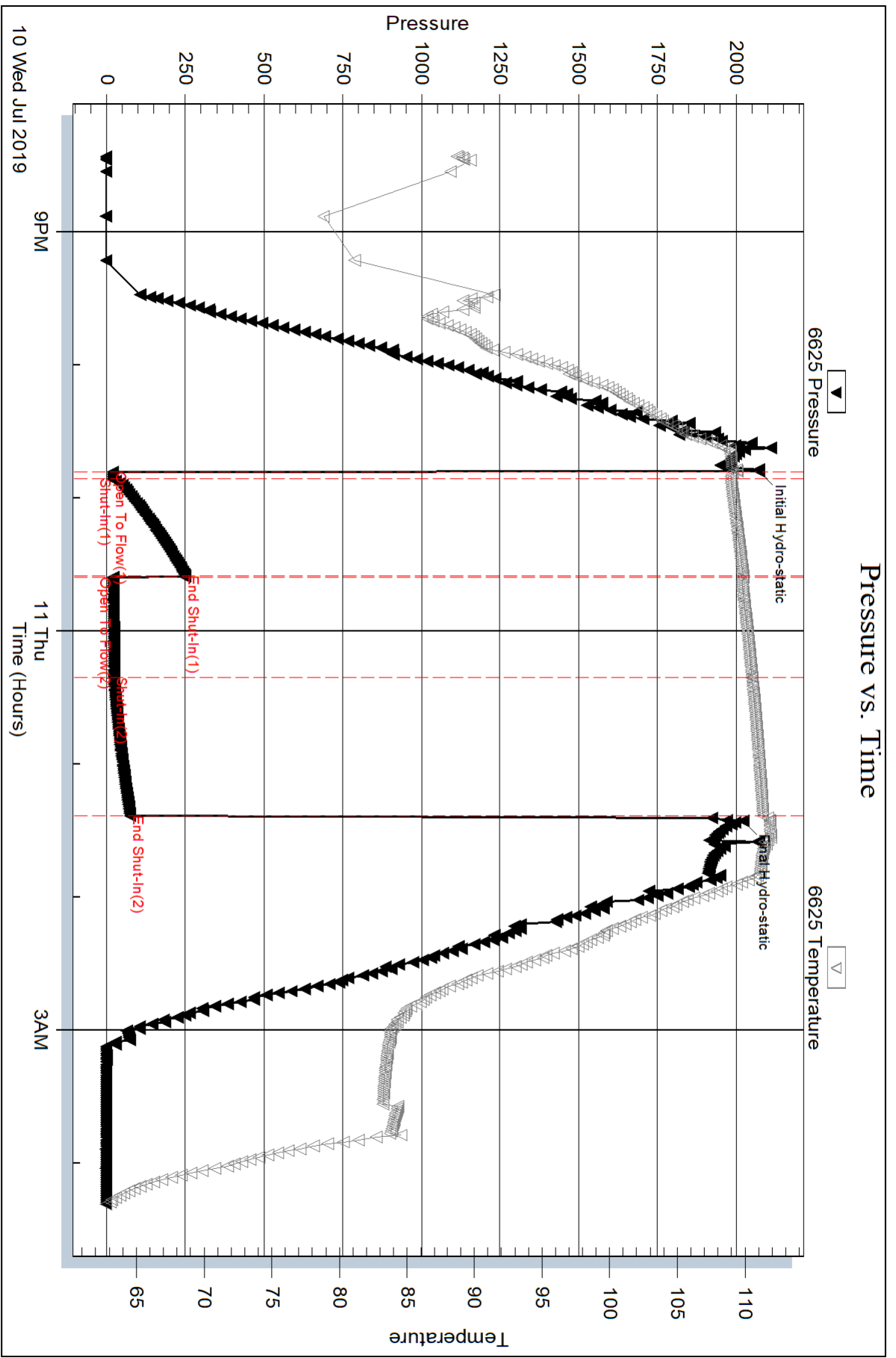
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

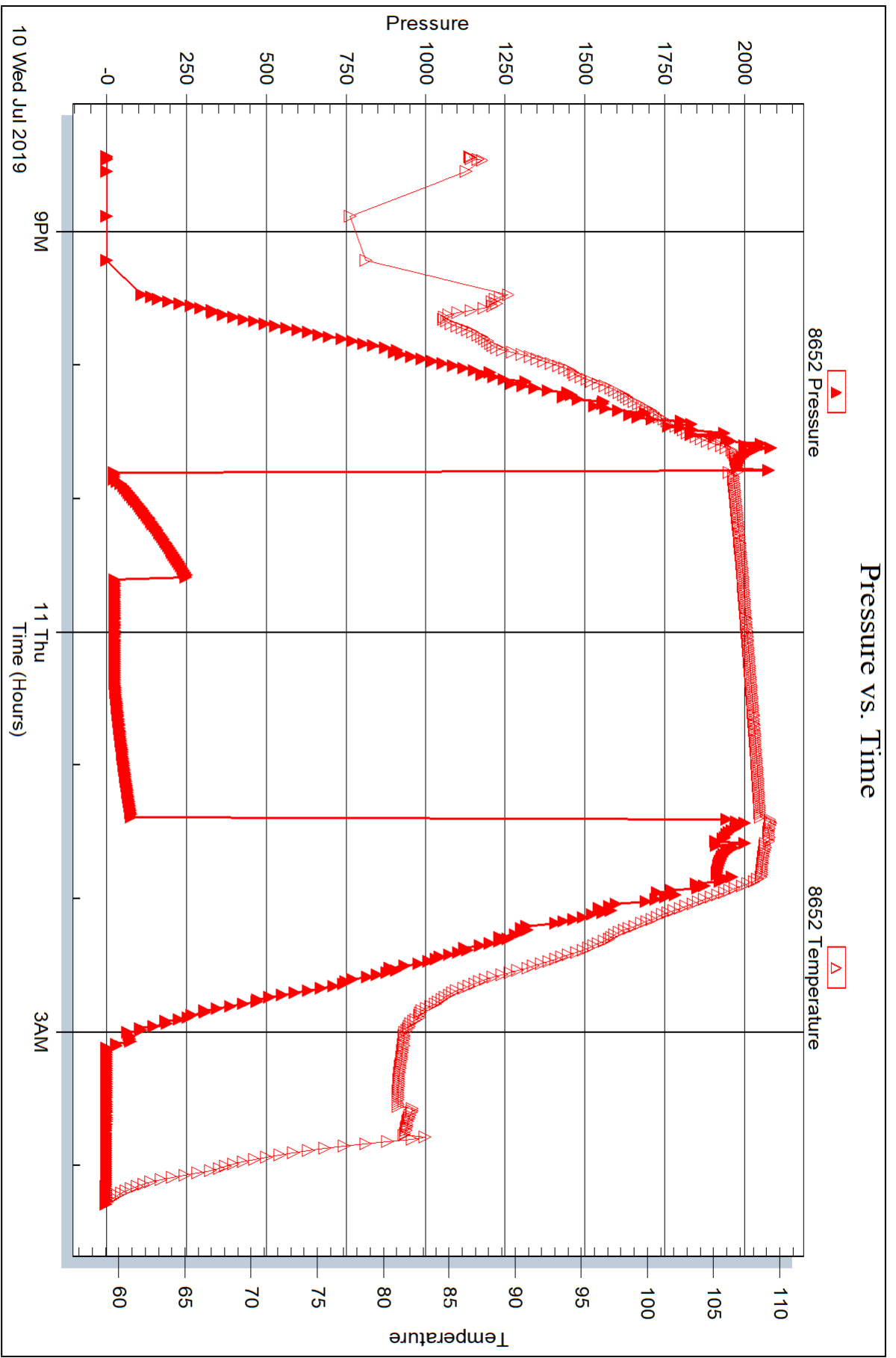


Serial #: 8652

Outside Meridian Energy Inc.

Solko #1

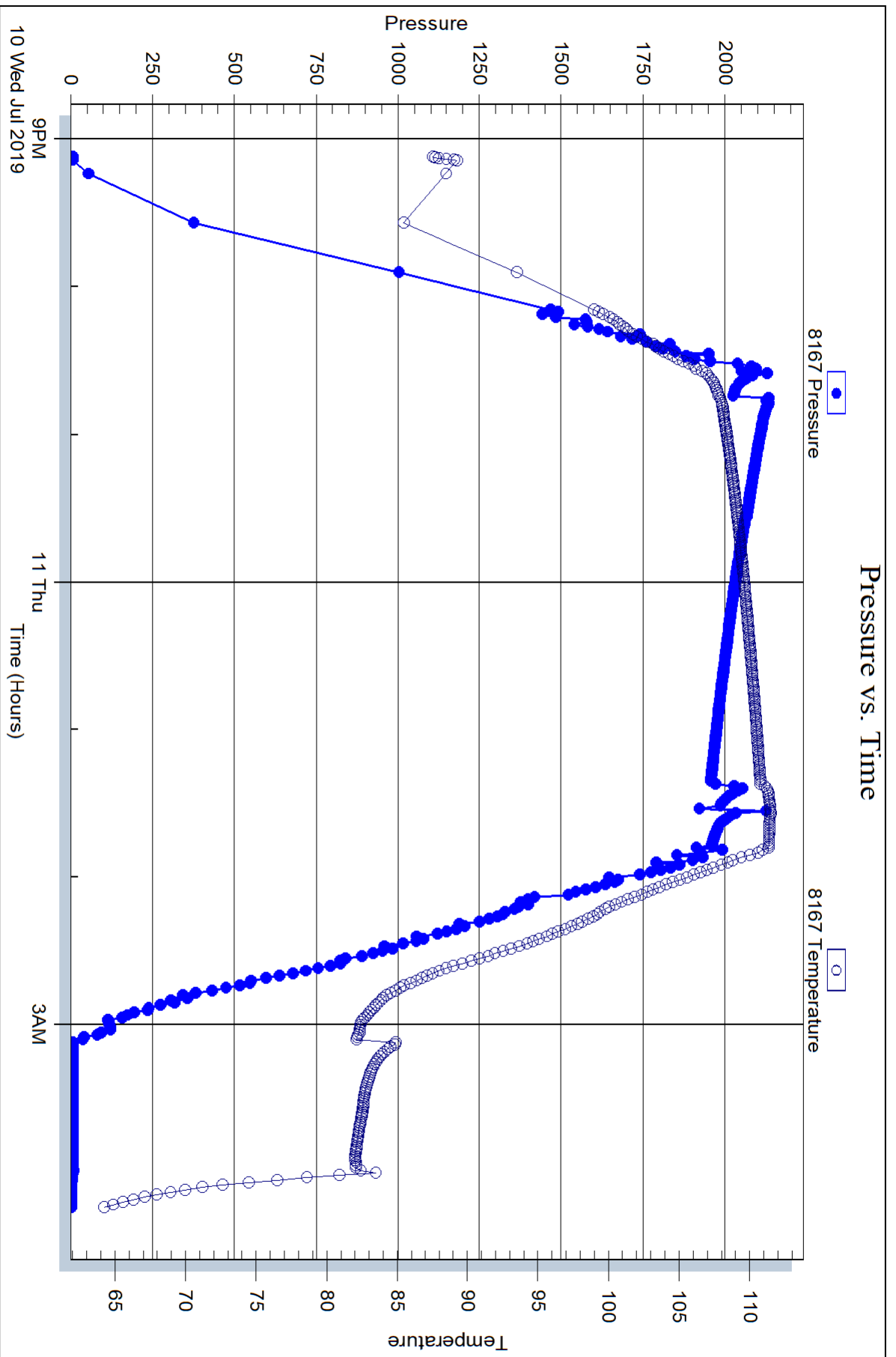
DST Test Number: 5



Triobite Testing, Inc

Ref. No: 64690

Printed: 2019.07.11 @ 06:58:16





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Meridian Energy Inc.
 1475 Ward Dr
 Franktown, CO 80116
 ATTN: Maxwell LaFon

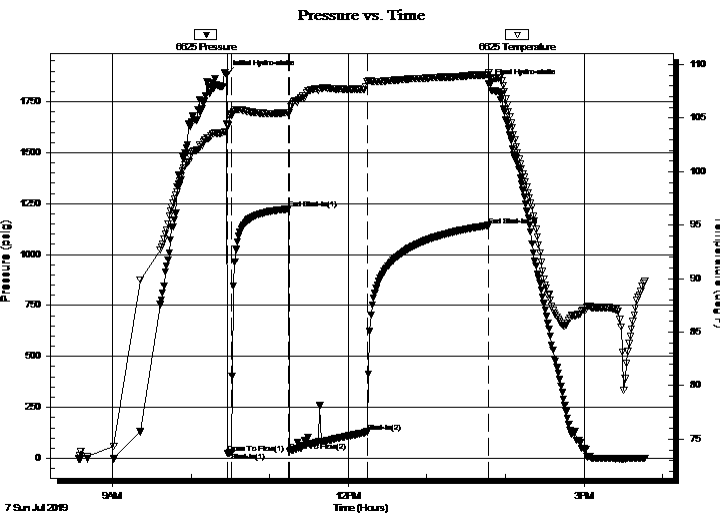
19/1s/31w Rawlins, KS
Solko #1
 Job Ticket: 64686 **DST#: 1**
 Test Start: 2019.07.07 @ 08:34:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:27:45
 Time Test Ended: 15:47:00
 Interval: **3700.00 ft (KB) To 3810.00 ft (KB) (TVD)**
 Total Depth: 3810.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 2870.00 ft (KB)
 2865.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 129.46 psig @ 3701.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.07 End Date: 2019.07.07 Last Calib.: 2019.07.07
 Start Time: 08:34:05 End Time: 15:46:59 Time On Btm: 2019.07.07 @ 10:27:15
 Time Off Btm: 2019.07.07 @ 13:47:15

TEST COMMENT: 2 - IF: Blow built to 3"
 45 - IS: Blow back built to 1/8"
 60 - FF: Blow built to BOB (11") at 26 min., built to 22 1/2"
 90 - FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1882.61	104.43	Initial Hydro-static
1	23.30	104.29	Open To Flow (1)
4	29.61	105.22	Shut-In(1)
48	1223.75	105.51	End Shut-In(1)
48	35.98	105.51	Open To Flow (2)
108	129.46	108.40	Shut-In(2)
200	1142.92	109.09	End Shut-In(2)
200	1839.51	109.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW w/trace oil 73%w, 27%m	1.75
62.00	WCM w/trace oil 76%m, 24%w	0.87
45.00	Mud w/trace oil 100%m	0.63

Gas Rates

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



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DRILL STEM TEST REPORT

Meridian Energy Inc.
1475 Ward Dr
Franktown, CO 80116
ATTN: Maxwell LaFon

19/1s/31w Rawlins, KS

Solko #1

Job Ticket: 64686

DST#: 1

Test Start: 2019.07.07 @ 08:34:00

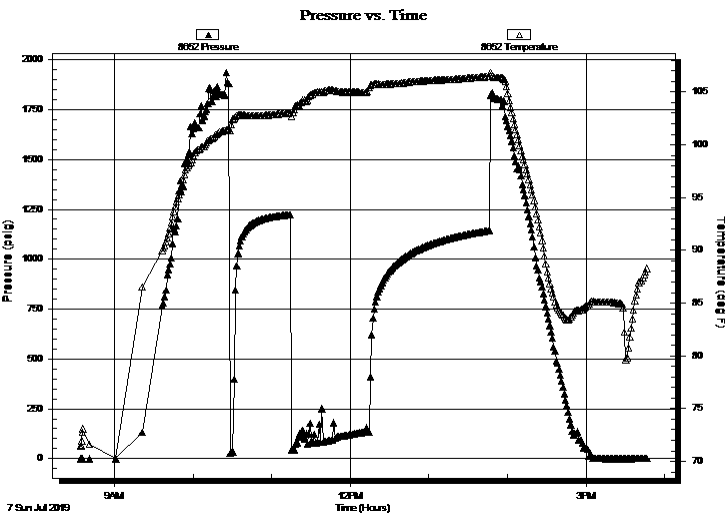
GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 10:27:45
 Tester: James Winder
 Time Test Ended: 15:47:00
 Unit No: 83
 Interval: **3700.00 ft (KB) To 3810.00 ft (KB) (TVD)**
 Reference Elevations: 2870.00 ft (KB)
 Total Depth: 3810.00 ft (KB) (TVD)
 2865.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 8652 Outside

Press@RunDepth: psig @ 3701.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.07 End Date: 2019.07.07 Last Calib.: 2019.07.07
 Start Time: 08:34:05 End Time: 15:46:44 Time On Btm:
 Time Off Btm:

TEST COMMENT: 2 - IF: Blow built to 3"
 45 - IS: Blow back built to 1/8"
 60 - FF: Blow built to BOB (11") at 26 min., built to 22 1/2"
 90 - FS: No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW w/trace oil 73%w, 27%m	1.75
62.00	WCM w/trace oil 76%m, 24%w	0.87
45.00	Mud w/trace oil 100%m	0.63

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy Inc.

19/1s/31w Rawlins, KS

1475 Ward Dr
Franktown, CO 80116

Solko #1

Job Ticket: 64686

DST#: 1

ATTN: Maxwell LaFon

Test Start: 2019.07.07 @ 08:34:00

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:

27000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	MCW w/trace oil 73%w, 27%m	1.753
62.00	WCM w/trace oil 76%m, 24%w	0.870
45.00	Mud w/trace oil 100%m	0.631

Total Length: 232.00 ft Total Volume: 3.254 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

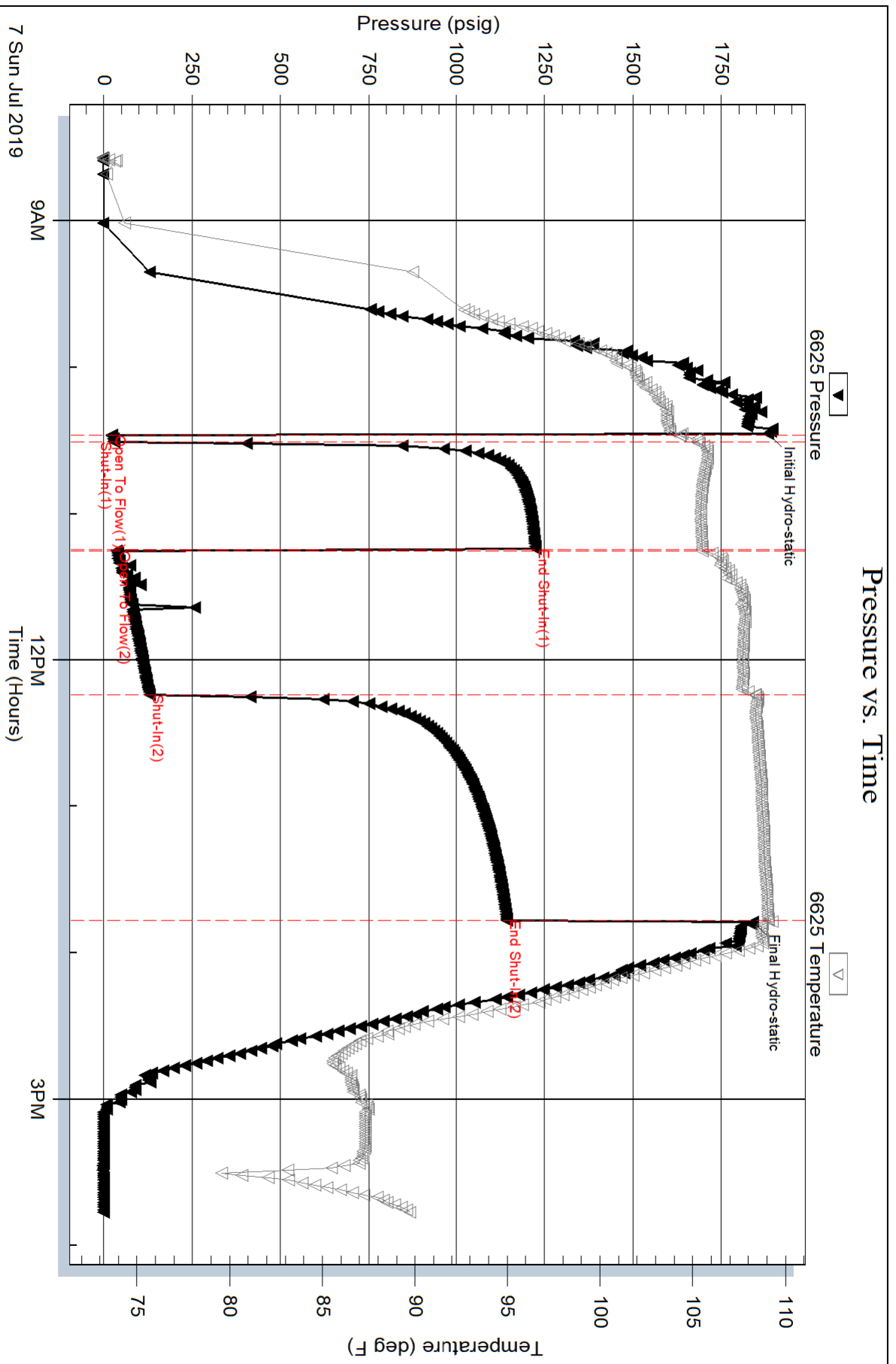
Serial #:

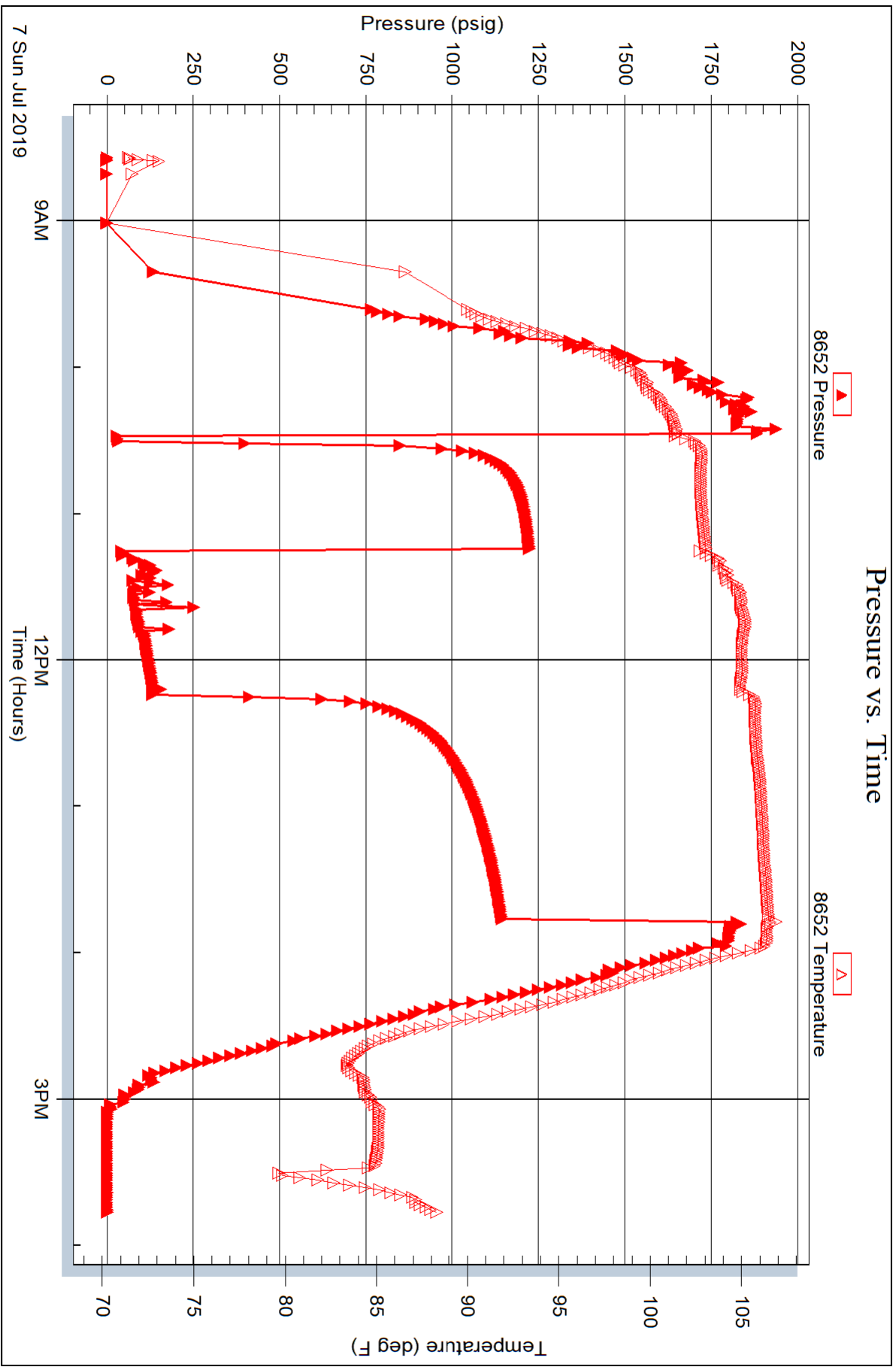
Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .210 ohms @ 86.4 deg F Chlorides = 27,000 ppm

Pressure vs. Time







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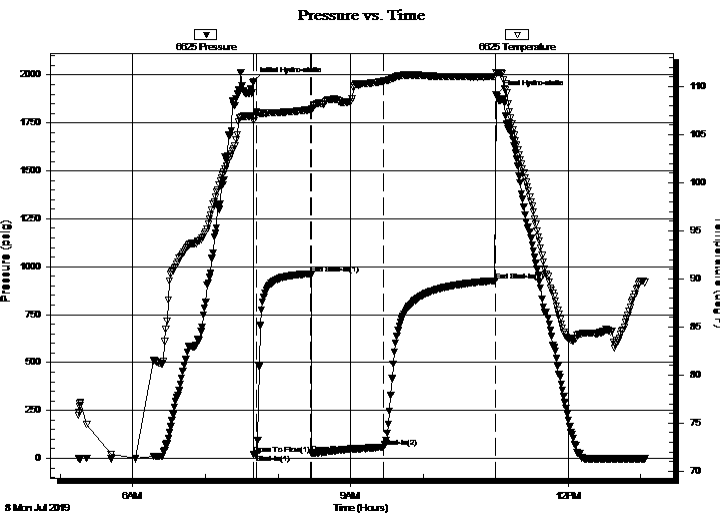
19/1s/31w Rawlins, KS
Solko #1
Job Ticket: 64687 **DST#: 2**
Test Start: 2019.07.08 @ 05:15:00

GENERAL INFORMATION:

Formation: **Lans. "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:40:00
Time Test Ended: 13:03:30
Interval: **3840.00 ft (KB) To 3910.00 ft (KB) (TVD)**
Total Depth: 3910.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 83
Reference Elevations: 2870.00 ft (KB)
2865.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6625 Inside
Press@RunDepth: 58.97 psig @ 3841.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.07.08 End Date: 2019.07.08 Last Calib.: 2019.07.08
Start Time: 05:15:05 End Time: 13:03:29 Time On Btm: 2019.07.08 @ 07:39:45
Time Off Btm: 2019.07.08 @ 11:00:15

TEST COMMENT: 2 - IF: Blow built to 1 1/2"
45 - IS: Blow built to 1/8" then died back to surface
60 - FF: Blow built to BOB (11") at 26 1/2 min., built to 22"
90 - FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.90	106.83	Initial Hydro-static
1	20.58	106.47	Open To Flow (1)
3	23.78	107.34	Shut-In(1)
48	963.20	107.59	End Shut-In(1)
48	27.84	107.58	Open To Flow (2)
108	58.97	110.60	Shut-In(2)
200	927.19	111.01	End Shut-In(2)
201	1895.31	111.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
42.00	GWOCM 46%o, 25%o, 19%w, 10%g	0.59
40.00	SW/MCO 55%o, 32%o, 8%w, 5%g	0.56
30.00	SMCO 90%o, 5%o, 5%g	0.42
0.00	GIP = 135'	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Meridian Energy Inc.
1475 Ward Dr
Franktown, CO 80116
ATTN: Maxwell LaFon

19/1s/31w Rawlins, KS

Solko #1

Job Ticket: 64687 **DST#: 2**
Test Start: 2019.07.08 @ 05:15:00

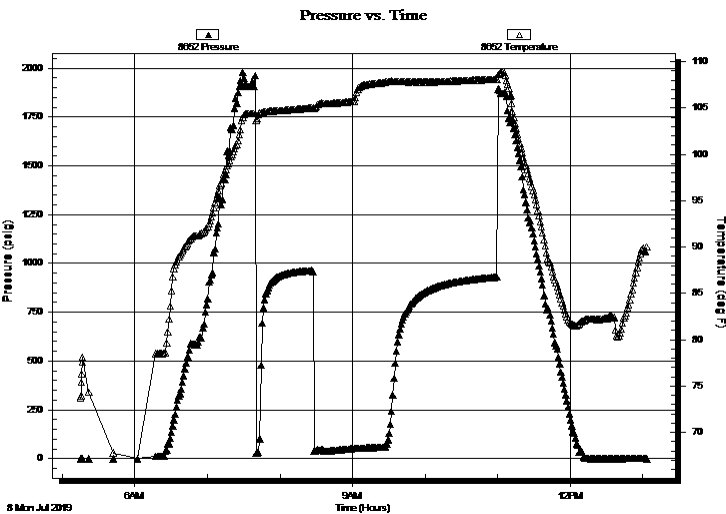
GENERAL INFORMATION:

Formation: **Lans. "B"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:40:00
Time Test Ended: 13:03:30
Interval: **3840.00 ft (KB) To 3910.00 ft (KB) (TVD)**
Total Depth: 3910.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 83
Reference Elevations: 2870.00 ft (KB)
2865.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8652 Outside

Press@RunDepth: psig @ 3841.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.07.08 End Date: 2019.07.08 Last Calib.: 2019.07.08
Start Time: 05:15:05 End Time: 13:03:14 Time On Btm:
Time Off Btm:

TEST COMMENT: 2 - IF: Blow built to 1 1/2"
45 - IS: Blow built to 1/8" then died back to surface
60 - FF: Blow built to BOB (11") at 26 1/2 min., built to 22"
90 - FS: No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
42.00	GWOCM 46%o, 25%o, 19%w, 10%g	0.59
40.00	SW/MCO 55%o, 32%o, 8%w, 5%g	0.56
30.00	SMCO 90%o, 5%o, 5%g	0.42
0.00	GIP = 135'	0.00

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy Inc.

19/1s/31w Rawlins, KS

1475 Ward Dr
Franktown, CO 80116

Solko #1

Job Ticket: 64687

DST#: 2

ATTN: Maxwell LaFon

Test Start: 2019.07.08 @ 05:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27.8 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
42.00	GWOCM 46%m, 25%o, 19%w, 10%g	0.589
40.00	SW/MCO 55%o, 32%m, 8%w, 5%g	0.561
30.00	SMCO 90%o, 5%m, 5%g	0.421
0.00	GIP = 135'	0.000

Total Length: 112.00 ft

Total Volume: 1.571 bbl

Num Fluid Samples: 0

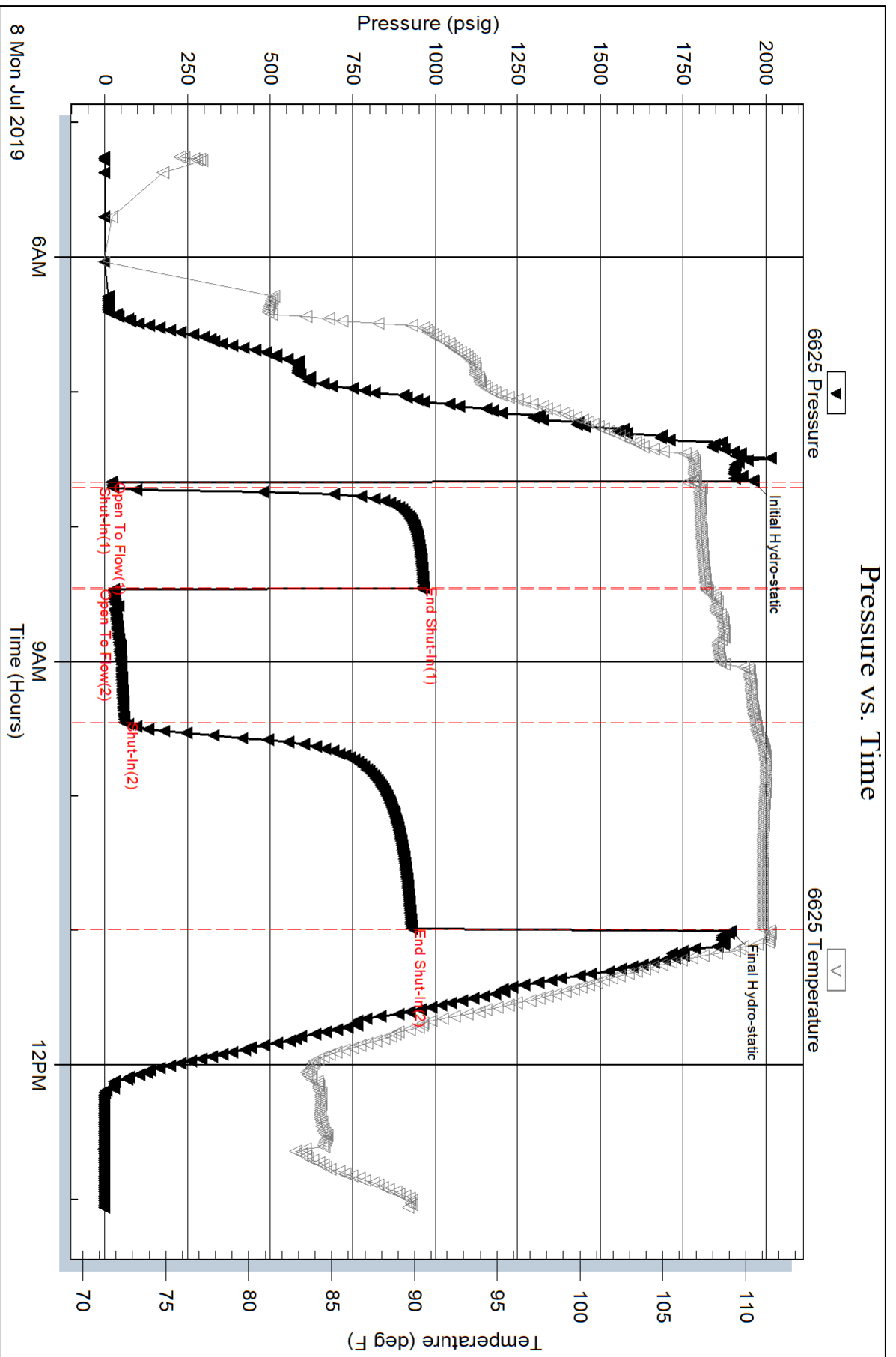
Num Gas Bombs: 0

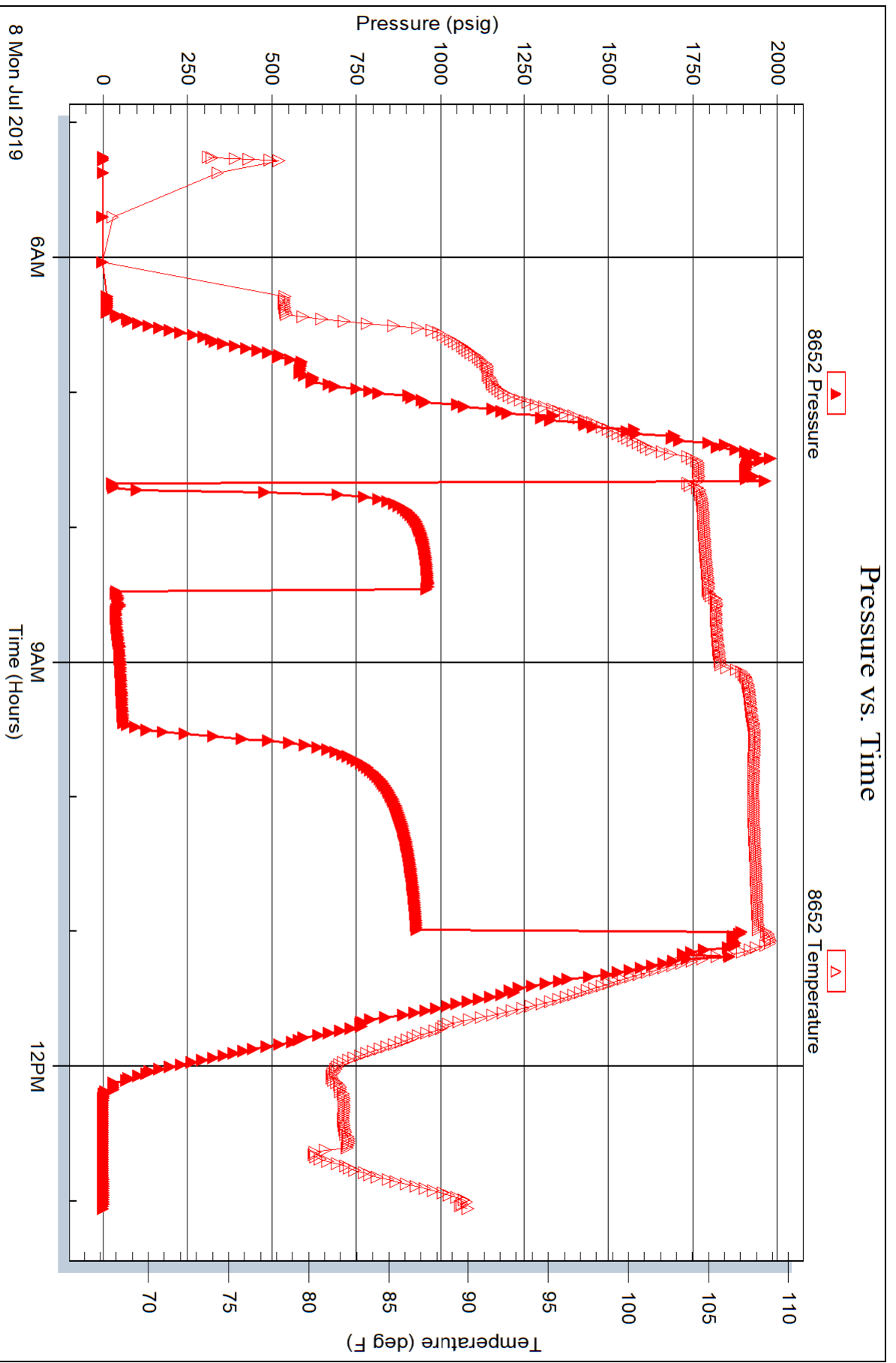
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 30 api @ 82 deg F Corrected Gravity = 27.8 api







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Meridian Energy Inc.
1475 Ward Dr
Franktown, CO 80116
ATTN: Maxwell LaFon

19/1s/31w Rawlins, KS
Solko #1
Job Ticket: 64688 **DST#: 3**
Test Start: 2019.07.08 @ 18:15:00

GENERAL INFORMATION:

Formation: **Lans. "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:26:30
Time Test Ended: 03:34:00
Interval: **3806.00 ft (KB) To 3884.00 ft (KB) (TVD)**
Total Depth: 3910.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: James Winder
Unit No: 83
Reference Elevations: 2870.00 ft (KB)
2865.00 ft (CF)
KB to GR/CF: 5.00 ft

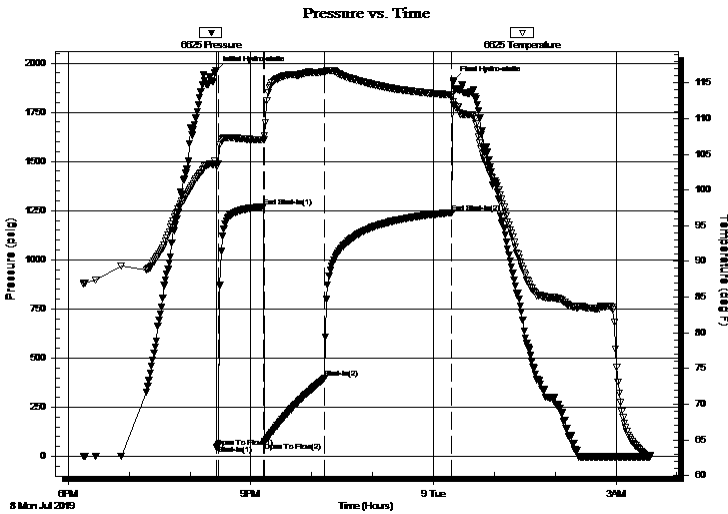
Serial #: 6625

Inside

Press@RunDepth: 396.92 psig @ 3807.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.07.08 End Date: 2019.07.09 Last Calib.: 2019.07.09
Start Time: 18:15:05 End Time: 03:34:00 Time On Btm: 2019.07.08 @ 20:25:45
Time Off Btm: 2019.07.09 @ 00:19:45

TEST COMMENT: 2 - IF: Blow built to 7"
45 - IS: Surface blow back from 10 min. till end of close
60 - FF: Blow built to BOB (11") at 5 min., built to 82 1/2"
120 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1962.87	103.62	Initial Hydro-static
1	44.50	103.31	Open To Flow (1)
3	58.43	103.63	Shut-In(1)
47	1269.45	107.05	End Shut-In(1)
48	72.36	107.62	Open To Flow (2)
107	396.92	116.54	Shut-In(2)
233	1239.61	113.29	End Shut-In(2)
234	1908.59	111.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
635.00	SMCW w/trace oil 94%w, 6%m	8.91
165.00	MCW w/trace oil 63%w, 34%m, 3%g	2.31

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

Meridian Energy Inc.
1475 Ward Dr
Franktown, CO 80116
ATTN: Maxwell LaFon

19/1s/31w Rawlins, KS
Solko #1
Job Ticket: 64688 **DST#: 3**
Test Start: 2019.07.08 @ 18:15:00

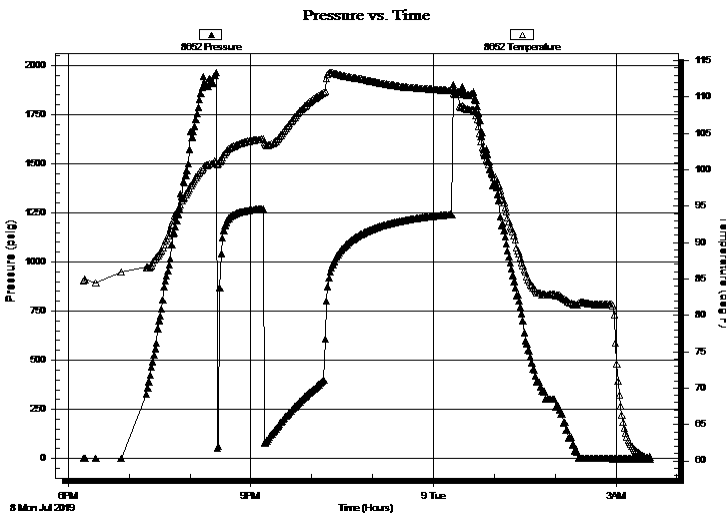
GENERAL INFORMATION:

Formation: **Lans. "A"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:26:30
Time Test Ended: 03:34:00
Interval: **3806.00 ft (KB) To 3884.00 ft (KB) (TVD)**
Total Depth: 3910.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Straddle (Reset)
Tester: James Winder
Unit No: 83
Reference Elevations: 2870.00 ft (KB)
2865.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8652 Outside

Press@RunDepth: psig @ 3807.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.07.08 End Date: 2019.07.09 Last Calib.: 2019.07.09
Start Time: 18:15:05 End Time: 03:33:30 Time On Btm:
Time Off Btm:

TEST COMMENT: 2 - IF: Blow built to 7"
45 - IS: Surface blow back from 10 min. till end of close
60 - FF: Blow built to BOB (11") at 5 min., built to 82 1/2"
120 - FS: No blow back



PRESSURE SUMMARY

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

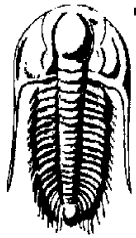
Recovery

Length (ft)	Description	Volume (bbl)
635.00	SMCW w/trace oil 94%w , 6%m	8.91
165.00	MCW w/trace oil 63%w , 34%m, 3%g	2.31

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Meridian Energy Inc.
 1475 Ward Dr
 Franktown, CO 80116
 ATTN: Maxwell LaFon

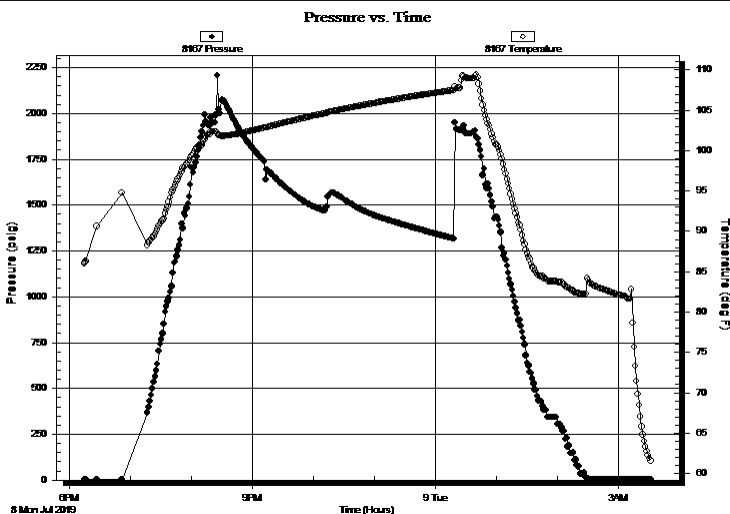
19/1s/31w Rawlins, KS
Solko #1
 Job Ticket: 64688 **DST#: 3**
 Test Start: 2019.07.08 @ 18:15:00

GENERAL INFORMATION:

Formation: **Lans. "A"**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)
 Time Tool Opened: 20:26:30 Tester: James Winder
 Time Test Ended: 03:34:00 Unit No: 83
Interval: 3806.00 ft (KB) To 3884.00 ft (KB) (TVD) Reference Elevations: 2870.00 ft (KB)
 Total Depth: 3910.00 ft (KB) (TVD) 2865.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8167 Below (Straddle)
 Press@RunDepth: psig @ 3885.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2019.07.08 End Date: 2019.07.09 Last Calib.: 2019.07.09
 Start Time: 18:15:05 End Time: 03:32:30 Time On Btm:
 Time Off Btm:

TEST COMMENT: 2 - IF: Blow built to 7"
 45 - IS: Surface blow back from 10 min. till end of close
 60 - FF: Blow built to BOB (11") at 5 min., built to 82 1/2"
 120 - FS: No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
635.00	SMCW w/trace oil 94%w , 6%m	8.91
165.00	MCW w/trace oil 63%w , 34%m, 3%g	2.31

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy Inc.

19/1s/31w Rawlins, KS

1475 Ward Dr
Franktown, CO 80116

Solko #1

Job Ticket: 64688

DST#: 3

ATTN: Maxwell LaFon

Test Start: 2019.07.08 @ 18:15:00

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:

60000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
635.00	SMCW w/trace oil 94%w, 6%m	8.907
165.00	MCW w/trace oil 63%w, 34%m, 3%g	2.315

Total Length: 800.00 ft Total Volume: 11.222 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

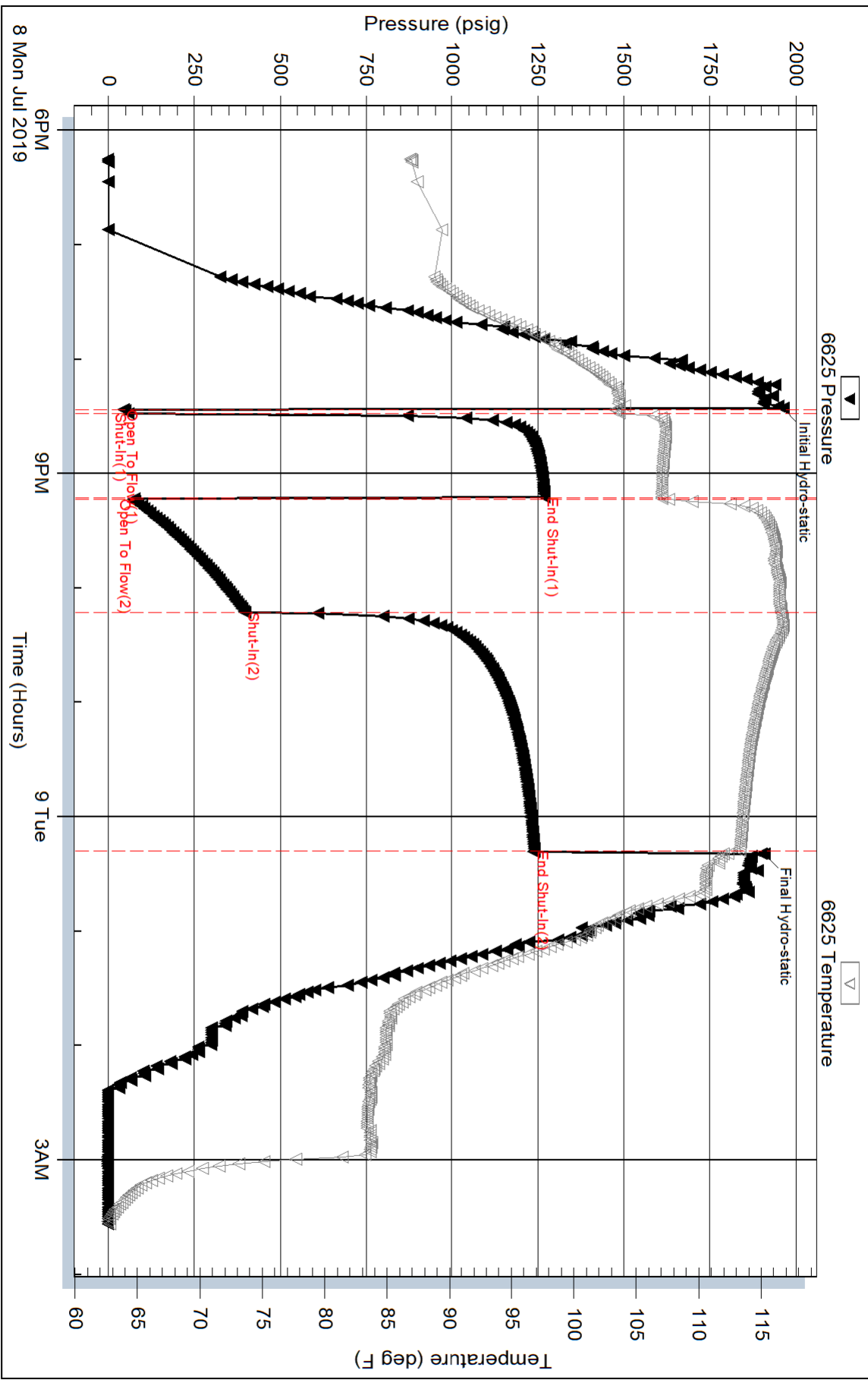
Serial #:

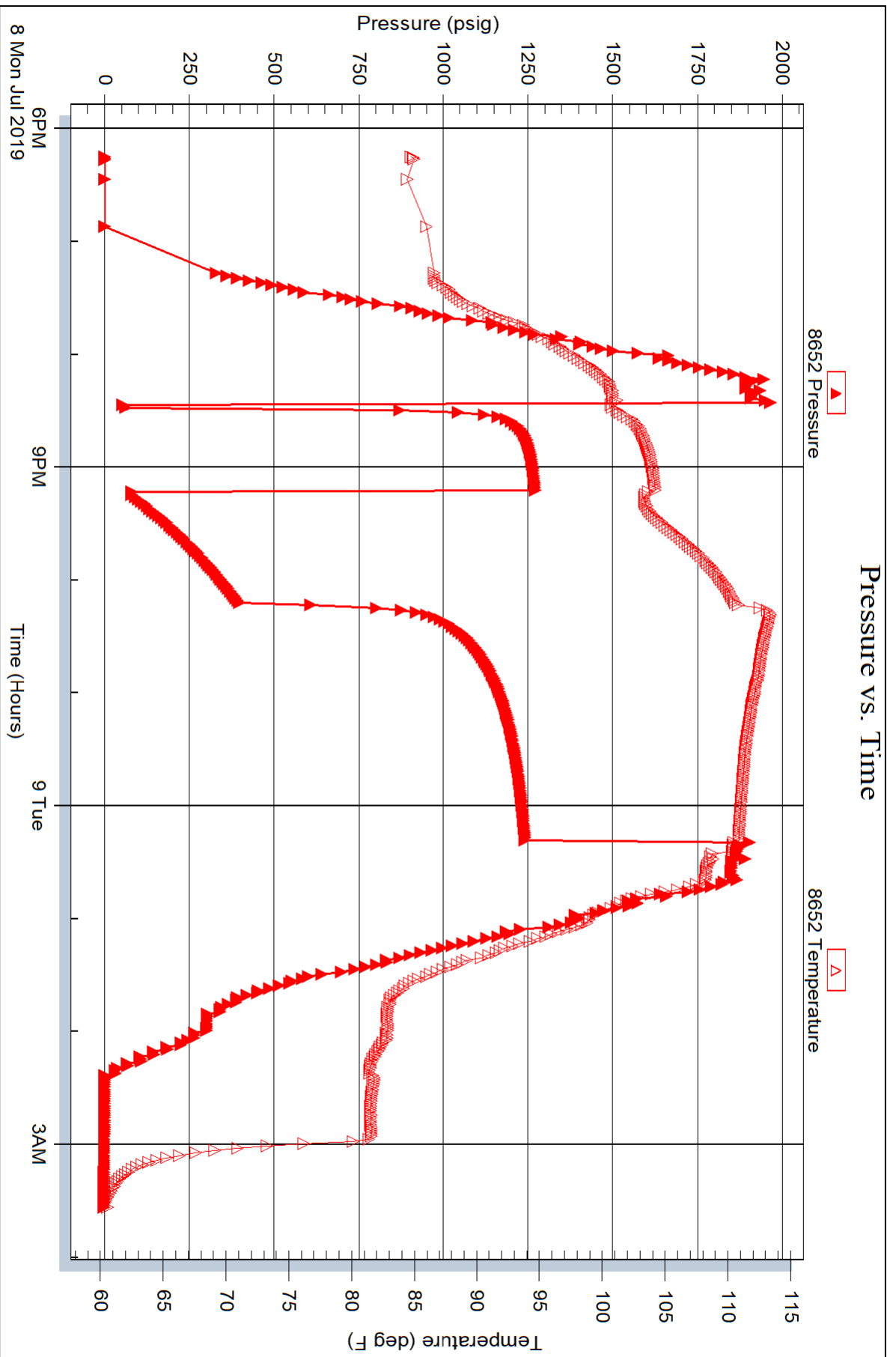
Laboratory Name:

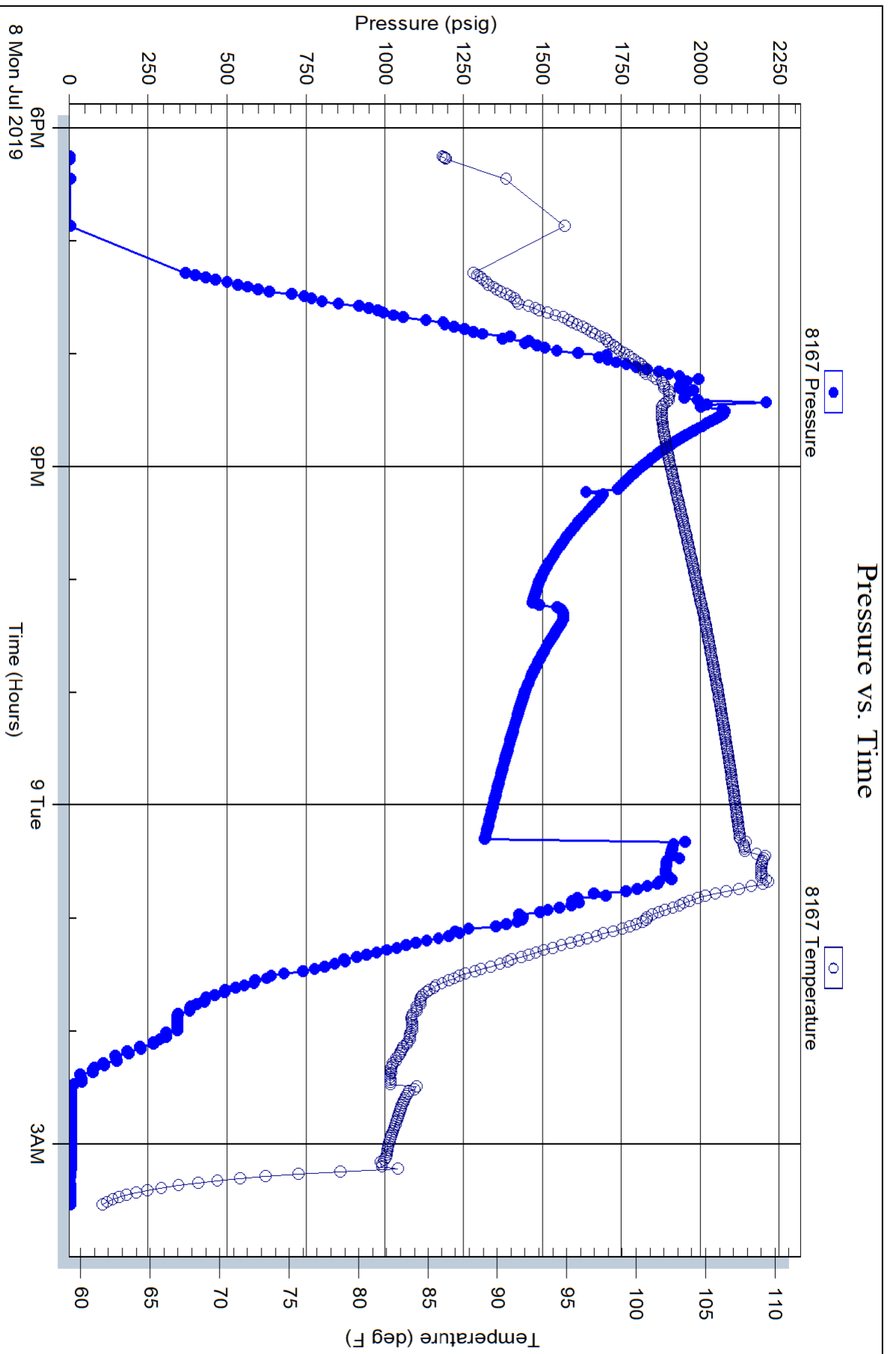
Laboratory Location:

Recovery Comments: RW = .140 ohms @ 65.4 deg F Chlorides = 60,000 ppm

Pressure vs. Time









TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Meridian Energy Inc.
1475 Ward Dr
Franktown, CO 80116
ATTN: Maxwell LaFon

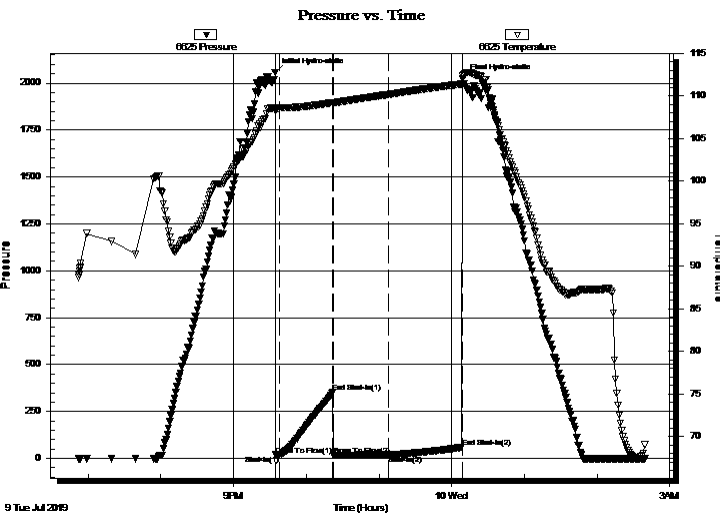
19/1s/31w Rawlins, KS
Solko #1
Job Ticket: 64689 **DST#: 4**
Test Start: 2019.07.09 @ 18:52:00

GENERAL INFORMATION:

Formation: **Lans. "E"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:34:45
Time Test Ended: 02:39:15
Interval: **3986.00 ft (KB) To 4045.00 ft (KB) (TVD)**
Total Depth: 4045.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2870.00 ft (KB)
2865.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: James Winder
Unit No: 83

Serial #: 6625 Inside
Press@RunDepth: 18.64 psig @ 3987.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2019.07.09 End Date: 2019.07.10 Last Calib.: 2019.07.10
Start Time: 18:52:05 End Time: 02:39:14 Time On Btm: 2019.07.09 @ 21:34:15
Time Off Btm: 2019.07.10 @ 00:09:30

TEST COMMENT: 2 - IF: Blow built to 1/8"
45 - IS: No blow back
45 - FF: No blow
60 - FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2056.92	108.51	Initial Hydro-static
1	18.88	108.31	Open To Flow (1)
4	17.30	108.60	Shut-In(1)
48	353.78	109.24	End Shut-In(1)
49	17.64	109.22	Open To Flow (2)
94	18.64	110.18	Shut-In(2)
155	59.53	111.42	End Shut-In(2)
156	2022.69	112.49	Final Hydro-static

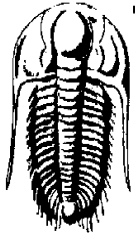
Recovery

Length (ft)	Description	Volume (bbl)
1.00	WCM 81%w, 19%w	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Meridian Energy Inc.

1475 Ward Dr
Franktown, CO 80116

ATTN: Maxwell LaFon

19/1s/31w Rawlins, KS

Solko #1

Job Ticket: 64689

DST#: 4

Test Start: 2019.07.09 @ 18:52:00

GENERAL INFORMATION:

Formation: **Lans. "E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:34:45

Time Test Ended: 02:39:15

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 83

Interval: **3986.00 ft (KB) To 4045.00 ft (KB) (TVD)**

Reference Elevations: 2870.00 ft (KB)

Total Depth: 4045.00 ft (KB) (TVD)

2865.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: **8652** Outside

Press@RunDepth: psig @ 3987.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.09

End Date:

2019.07.10

Last Calib.:

2019.07.10

Start Time: 18:52:05

End Time:

02:38:59

Time On Btm:

Time Off Btm:

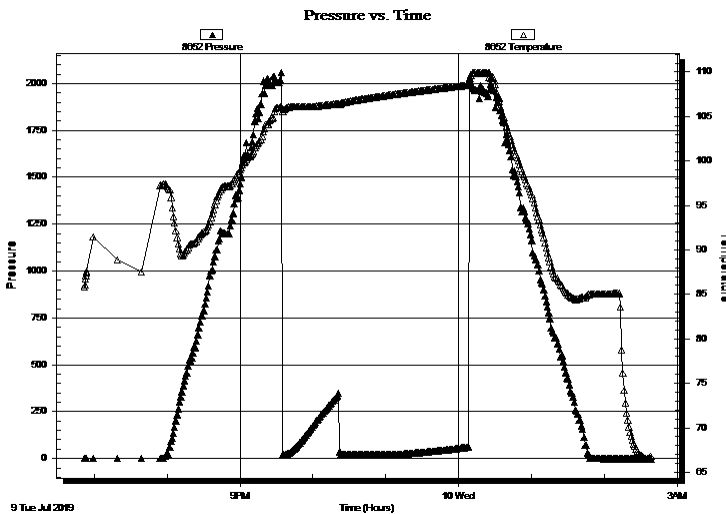
TEST COMMENT: 2 - IF: Blow built to 1/8"

45 - IS: No blow back

45 - FF: No blow

60 - FS: No blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
1.00	WCM 81% _m , 19% _w	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy Inc.

19/1s/31w Rawlins, KS

1475 Ward Dr
Franktown, CO 80116

Solko #1

Job Ticket: 64689

DST#: 4

ATTN: Maxwell LaFon

Test Start: 2019.07.09 @ 18:52:00

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:

12000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	WCM 81% _m , 19% _w	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .557 ohms @ 69.1 deg F Chlorides = 12,000 ppm

Pressure vs. Time

