



DRILL STEM TEST REPORT

Prepared For: **Anchor Bay Petroleum, LLC**

1952 Victoria Rd
Hays KS 67601

ATTN: Ed Glassmann

Jane #2

S1-11S-17W Ellis,KS

Start Date: 2017.06.29 @ 20:42:00

End Date: 2017.06.30 @ 04:01:45

Job Ticket #: 62983 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.06.30 @ 09:57:11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Anchor Bay Petroleum, LLC

S1-11S-17W Ellis,KS

1952 Victoria Rd
Hays KS 67601

Jane #2

ATTN: Ed Glassmann

Job Ticket: 62983

DST#: 4

Test Start: 2017.06.29 @ 20:42:00

GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:25:45

Time Test Ended: 04:01:45

Test Type: Conventional Straddle (Reset)

Tester: Spencer J. Staab

Unit No: 84

Interval: 3218.00 ft (KB) To 3248.00 ft (KB) (TVD)

Reference Elevations: 1902.00 ft (KB)

Total Depth: 3550.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8934 Outside

Press@RunDepth: 24.88 psig @ 3219.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.29

End Date:

2017.06.30

Last Calib.: 2017.06.30

Start Time: 20:42:15

End Time:

04:01:45

Time On Btm: 2017.06.29 @ 23:25:30

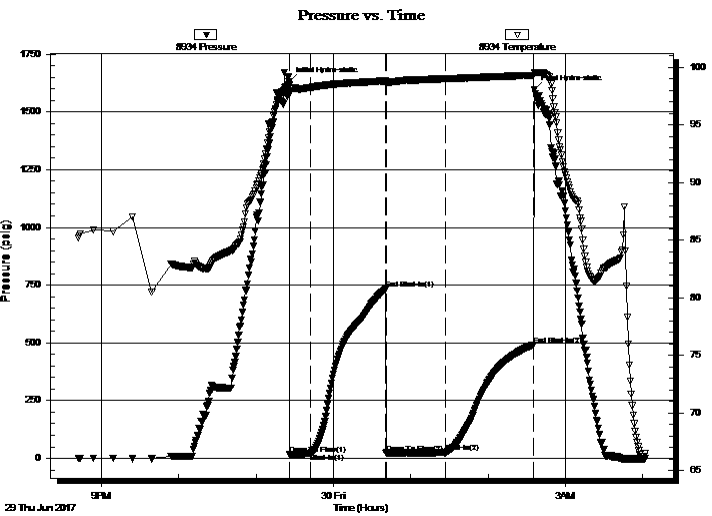
Time Off Btm: 2017.06.30 @ 02:36:00

TEST COMMENT: 15-IF-Weak Blow ; Built from surface to 1"

60-ISI-No Return

45-FF-Surface Blow ; died in 2 mins

60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1631.50	98.45	Initial Hydro-static
1	18.55	97.66	Open To Flow (1)
17	22.15	98.25	Shut-In(1)
75	732.12	98.82	End Shut-In(1)
76	23.04	98.51	Open To Flow (2)
122	24.88	99.00	Shut-In(2)
190	491.13	99.30	End Shut-In(2)
191	1597.19	99.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w/oil specks	0.05

* Recovery from multiple tests

Gas Rates

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



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Total Depth: 3550.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 9120 Inside

Press@RunDepth: psig @ 3219.00 ft (KB)

Start Date: 2017.06.29

End Date: 2017.06.30

Capacity: 8000.00 psig

Last Calib.: 2017.06.30

Start Time: 20:42:15

End Time: 04:01:45

Time On Btm:

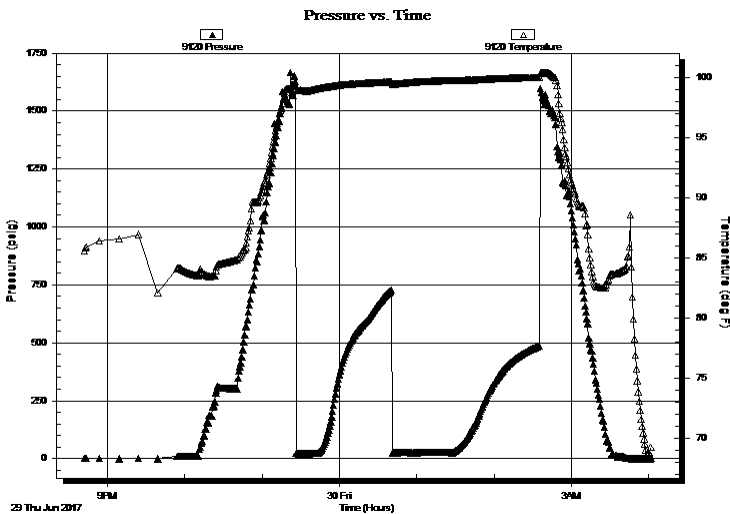
Time Off Btm:

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PRESSURE SUMMARY

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

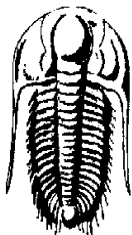
Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w/oil specks	0.05

Gas Rates

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

* Recovery from multiple tests



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DST#: 4

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Reference Elevations: 1902.00 ft (KB)

Total Depth: 3550.00 ft (KB) (TVD)

1897.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8368

Below (Straddle)

Press@RunDepth: psig @ 3260.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.06.29

End Date:

2017.06.30

Last Calib.:

2017.06.30

Start Time: 20:42:15

End Time:

04:01:45

Time On Btm:

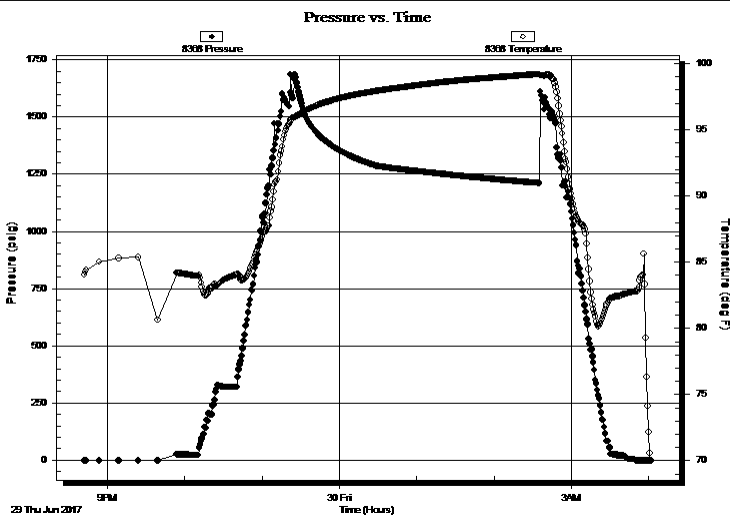
Time Off Btm:

TEST COMMENT: 15-IF-Weak Blow ; Built from surface to 1"

60-ISI-No Return

45-FF-Surface Blow ; died in 2 mins

60-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w/oil specks	0.05

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

TOOL DIAGRAM

Anchor Bay Petroleum, LLC

S1-11S-17W Ellis,KS

1952 Victoria Rd
Hays KS 67601

Jane #2

Job Ticket: 62983

DST#: 4

ATTN: Ed Glassmann

Test Start: 2017.06.29 @ 20:42:00

Tool Information

Drill Pipe:	Length: 3194.00 ft	Diameter: 3.80 inches	Volume: 44.80 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 32.00 ft	Diameter: 2.25 inches	Volume: 0.16 bbl	Weight to Pull Loose: 47000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3218.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	3248.00 ft			
Interval between Packers:	30.00 ft			
Tool Length:	352.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3199.00	
Shut In Tool	5.00			3204.00	
Hydraulic tool	5.00			3209.00	
Packer	5.00			3214.00	20.00 Bottom Of Top Packer
Packer	4.00			3218.00	
Stubb	1.00			3219.00	
Recorder	0.00	9120	Inside	3219.00	
Recorder	0.00	8934	Outside	3219.00	
Perforations	25.00			3244.00	
Blank Off Sub	1.00			3245.00	
top of s.packer	3.00			3248.00	30.00 Tool Interval
Packer	0.00			3248.00	
Stubb	1.00			3249.00	
Perforations	10.00			3259.00	
Change Over Sub	1.00			3260.00	
Recorder	0.00	8368	Below	3260.00	
Drill Pipe	285.00			3545.00	
Change Over Sub	1.00			3546.00	
Bullnose	4.00			3550.00	302.00 Bottom Packers & Anchor

Total Tool Length: 352.00



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FLUID SUMMARY

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Job Ticket: 62983

DST#: 4

ATTN: Ed Glassmann

Test Start: 2017.06.29 @ 20:42:00

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud w /oil specks	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

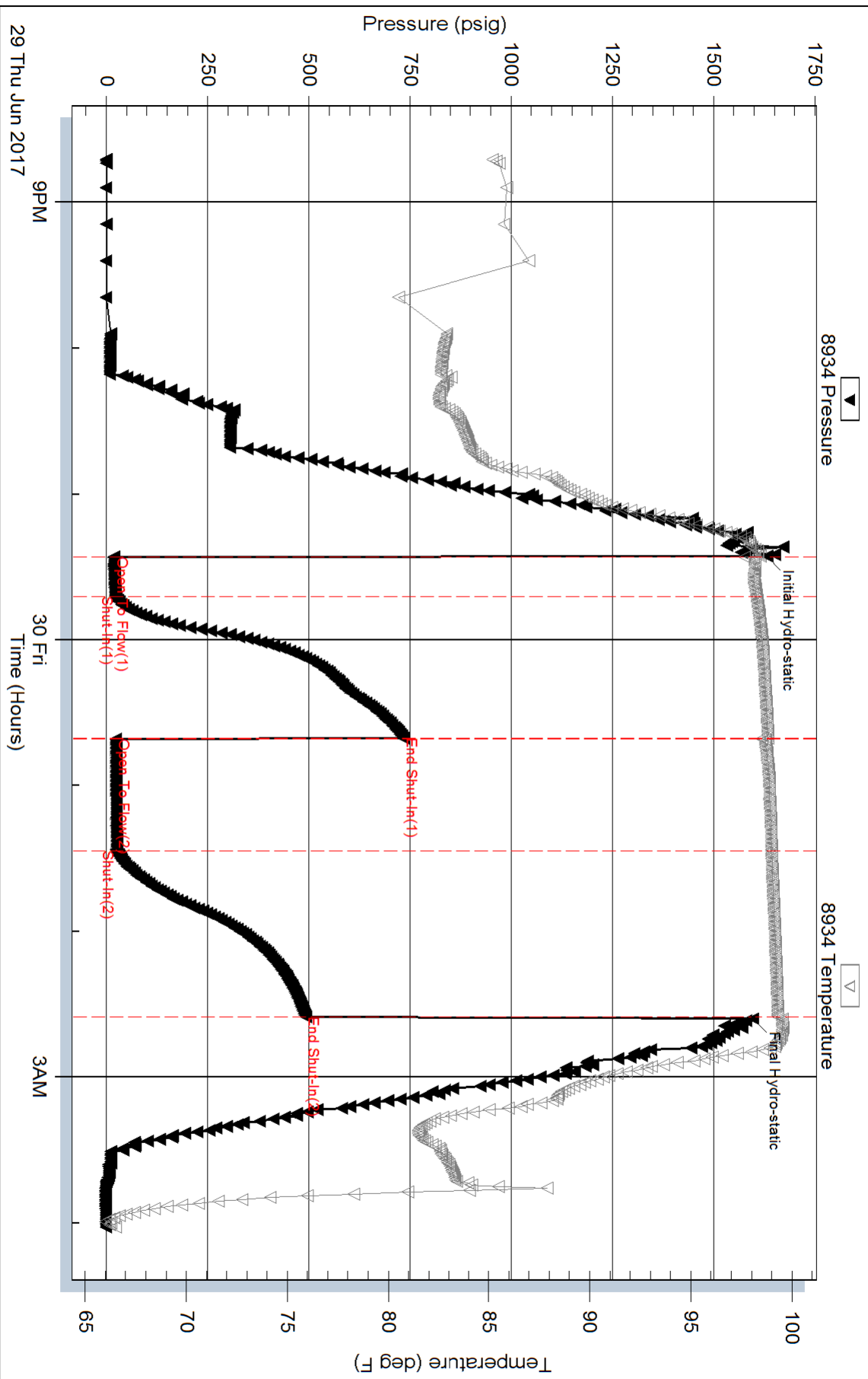
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1&1/2#LCM

Pressure vs. Time



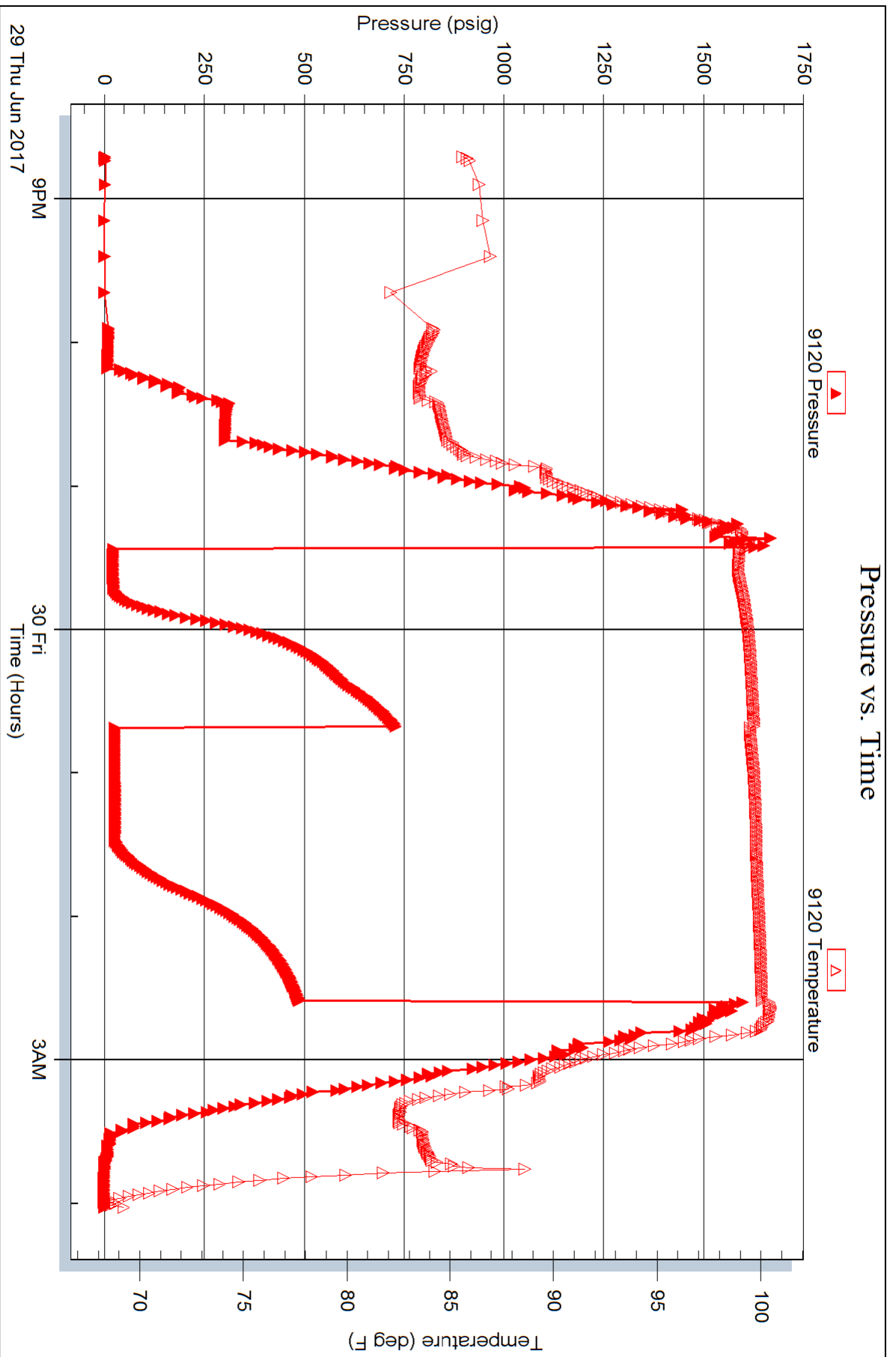
Serial #: 9120

Inside

Anchor Bay Petroleum, LLC

Jane #2

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 62983

Printed: 2017.06.30 @ 09:57:12

Serial #: 8368

Below (Stratfield) Bay Petroleum, LLC

Jane #2

DST Test Number: 4

