



DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.
Plainville, KS 67663

ATTN: Chris Bean

Beagley #2-1

2-14s-33w Logan,KS

Start Date: 2015.08.09 @ 22:23:00

End Date: 2015.08.10 @ 05:31:30

Job Ticket #: 61738 DST #: 1

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

Printed: 2015.08.17 @ 13:06:16



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stratakan Exploration LLC

2-14s-33w Logan, KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61738

DST#: 1

ATTN: Chris Bean

Test Start: 2015.08.09 @ 22:23:00

GENERAL INFORMATION:

Formation: **Howard - Topeka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:19:00
 Time Test Ended: 05:31:30
 Interval: **3545.00 ft (KB) To 3579.00 ft (KB) (TVD)**
 Total Depth: 3579.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brandon Turley
 Unit No: 79
 Reference Elevations: 2879.00 ft (KB)
 2874.00 ft (CF)
 KB to GR/CF: 5.00 ft

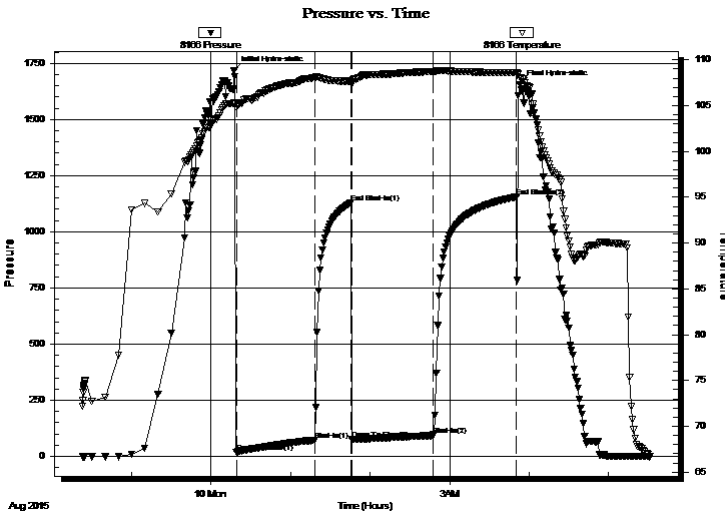
Serial #: 8166

Outside

Press@RunDepth: 92.70 psig @ 3546.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.08.09 End Date: 2015.08.10 Last Calib.: 2015.08.10
 Start Time: 22:23:05 End Time: 05:31:29 Time On Btm: 2015.08.10 @ 00:17:30
 Time Off Btm: 2015.08.10 @ 03:53:00

TEST COMMENT: IF: 1/4" blow built to 3" in 60 mins.
 IS: No return.
 FF: Surface blow built to 2" in 60 min.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.96	105.26	Initial Hydro-static
2	18.02	104.92	Open To Flow (1)
61	70.78	108.05	Shut-In(1)
88	1129.72	107.66	End Shut-In(1)
89	75.23	107.26	Open To Flow (2)
150	92.70	108.71	Shut-In(2)
213	1156.26	108.58	End Shut-In(2)
216	1655.34	108.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcw 90%w 10%m	0.30
62.00	mcw oil spots 90%w 10%m	0.31

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stratakan Exploration LLC

2-14s-33w Logan, KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61738

DST#: 1

ATTN: Chris Bean

Test Start: 2015.08.09 @ 22:23:00

Tool Information

Drill Pipe:	Length: 3401.00 ft	Diameter: 3.80 inches	Volume: 47.71 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 35000.00 lb
		Total Volume: 48.31 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3545.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			3518.00	
Shut In Tool	5.00			3523.00	
Hydraulic tool	5.00			3528.00	
Jars	5.00			3533.00	
Safety Joint	2.00			3535.00	
Change Over Sub	1.00			3536.00	
Packer - Shale	5.00			3541.00	
Packer	4.00			3545.00	28.00 Bottom Of Top Packer
Stubb	1.00			3546.00	
Recorder	0.00	8373	Inside	3546.00	
Recorder	0.00	8166	Outside	3546.00	
Perforations	28.00			3574.00	
Bullnose	5.00			3579.00	34.00 Anchor Tool

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stratakan Exploration LLC

2-14s-33w Logan,KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61738

DST#: 1

ATTN: Chris Bean

Test Start: 2015.08.09 @ 22:23:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	mcw 90%w 10%m	0.305
62.00	mcw oil spots 90%w 10%m	0.314

Total Length: 124.00 ft Total Volume: 0.619 bbl

Num Fluid Samples: 0

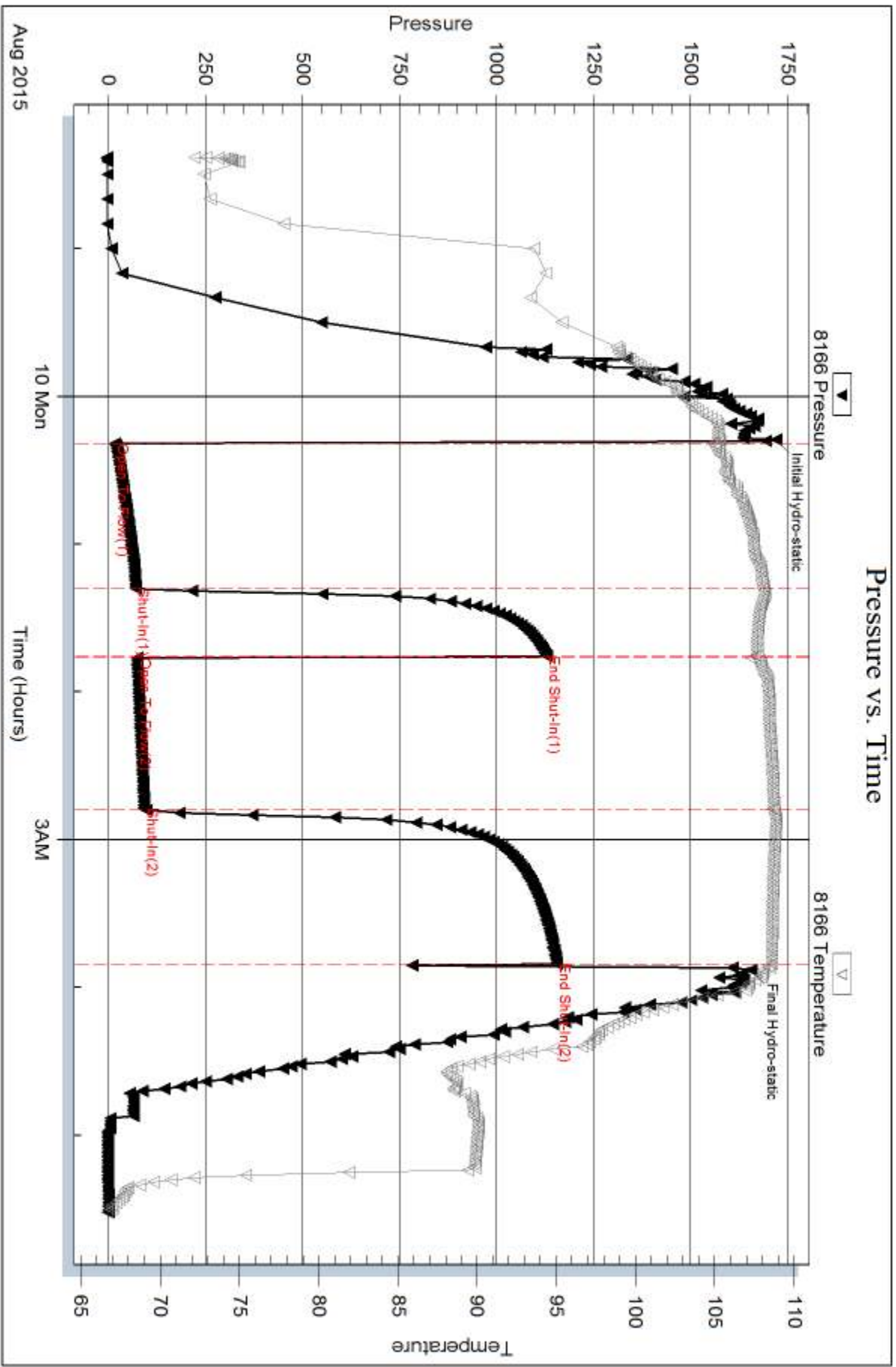
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .26@73=26000



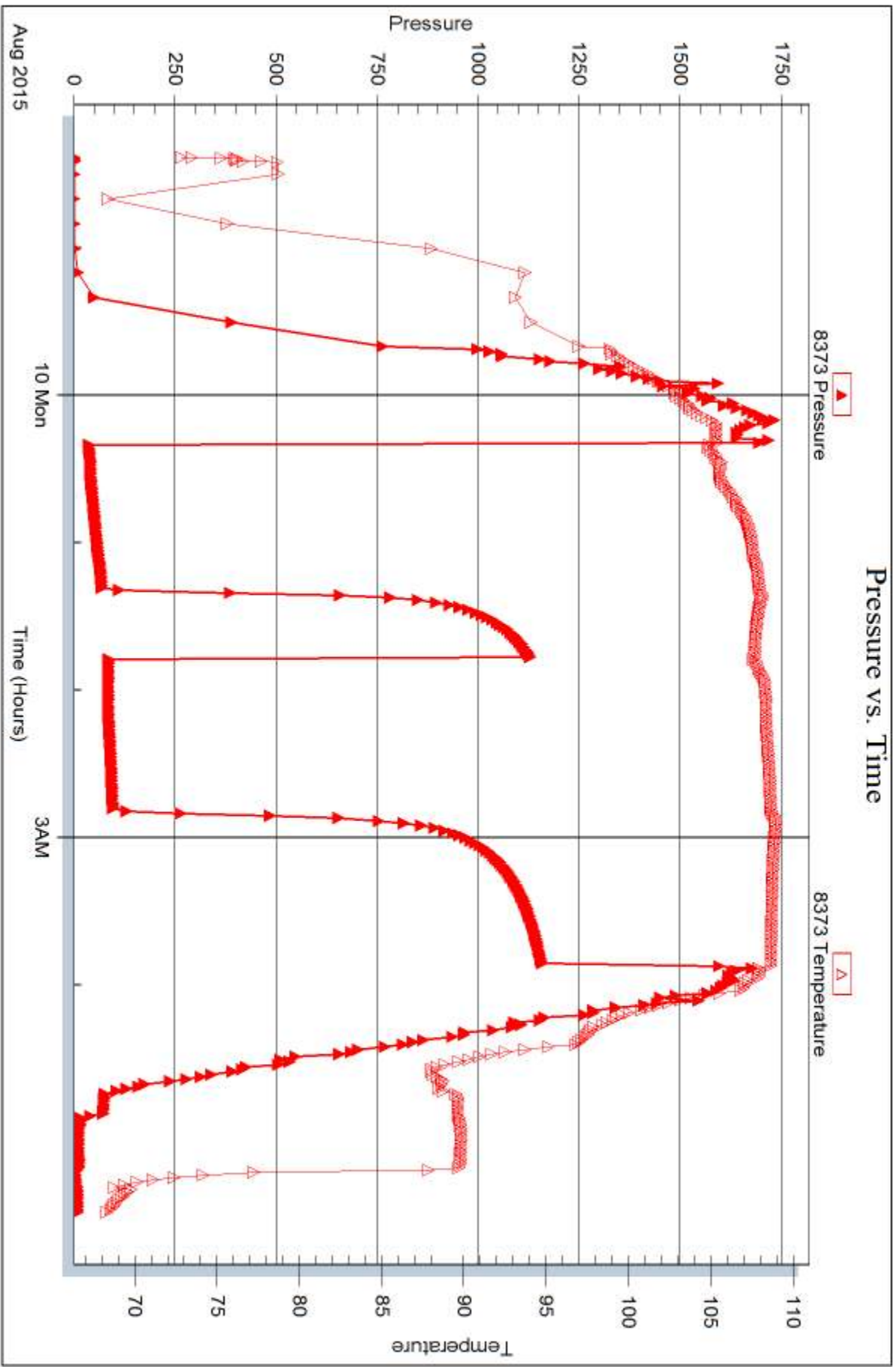
Serial #: 8373

Inside

Stratakan Exploration LLC

Beagley #2-1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 61738

Printed: 2015.08.17 @ 13:06:18



DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.
Plainville, KS 67663

ATTN: Chris Bean

Beagley #2-1

2-14s-33w Logan,KS

Start Date: 2015.08.11 @ 05:55:10

End Date: 2015.08.11 @ 13:12:40

Job Ticket #: 61739 DST #: 2

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

Printed: 2015.08.17 @ 13:05:54



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stratakan Exploration LLC

2-14s-33w Logan, KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61739

DST#: 2

ATTN: Chris Bean

Test Start: 2015.08.11 @ 05:55:10

GENERAL INFORMATION:

Formation: **LKC D-E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:44:40

Time Test Ended: 13:12:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 3885.00 ft (KB) To 3924.00 ft (KB) (TVD)

Reference Elevations: 2879.00 ft (KB)

Total Depth: 3924.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8166

Outside

Press@RunDepth: 224.77 psig @ 3886.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.11

End Date:

2015.08.11

Last Calib.:

2015.08.11

Start Time: 05:55:15

End Time:

13:12:39

Time On Btm:

2015.08.11 @ 07:43:10

Time Off Btm:

2015.08.11 @ 11:16:40

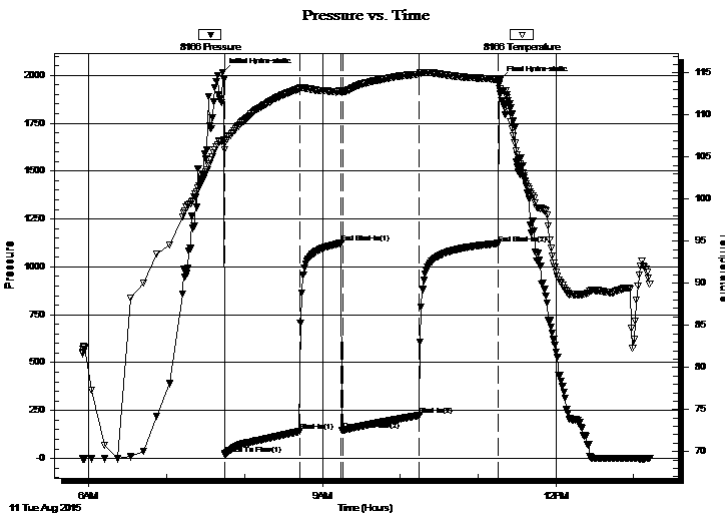
TEST COMMENT: IF: 1/4" blow BOB in 28 mins.

IS: No return.

FF: Surface blow BOB in 43 mins.

FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2015.39	106.97	Initial Hydro-static
2	21.46	105.85	Open To Flow (1)
59	140.24	113.12	Shut-In(1)
92	1123.83	112.90	End Shut-In(1)
93	147.16	112.77	Open To Flow (2)
152	224.77	114.84	Shut-In(2)
212	1121.77	114.24	End Shut-In(2)
214	1975.31	113.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 95%w 5%m	0.62
186.00	mcw 70%w 30%m	2.61
144.00	w cm 10%w 90%m	2.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stratakan Exploration LLC

2-14s-33w Logan,KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61739

DST#: 2

ATTN: Chris Bean

Test Start: 2015.08.11 @ 05:55:10

Tool Information

Drill Pipe:	Length: 3744.00 ft	Diameter: 3.80 inches	Volume: 52.52 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 53.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3885.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			3858.00	
Shut In Tool	5.00			3863.00	
Hydraulic tool	5.00			3868.00	
Jars	5.00			3873.00	
Safety Joint	2.00			3875.00	
Change Over Sub	1.00			3876.00	
Packer - Shale	5.00			3881.00	
Packer	4.00			3885.00	28.00 Bottom Of Top Packer
Stubb	1.00			3886.00	
Recorder	0.00	8373	Inside	3886.00	
Recorder	0.00	8166	Outside	3886.00	
Perforations	33.00			3919.00	
Bullnose	5.00			3924.00	39.00 Anchor Tool

Total Tool Length: 67.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stratakan Exploration LLC

2-14s-33w Logan,KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61739

DST#: 2

ATTN: Chris Bean

Test Start: 2015.08.11 @ 05:55:10

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

36000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	mcw 95%w 5%m	0.619
186.00	mcw 70%w 30%m	2.609
144.00	w cm 10%w 90%m	2.020

Total Length: 454.00 ft Total Volume: 5.248 bbl

Num Fluid Samples: 0

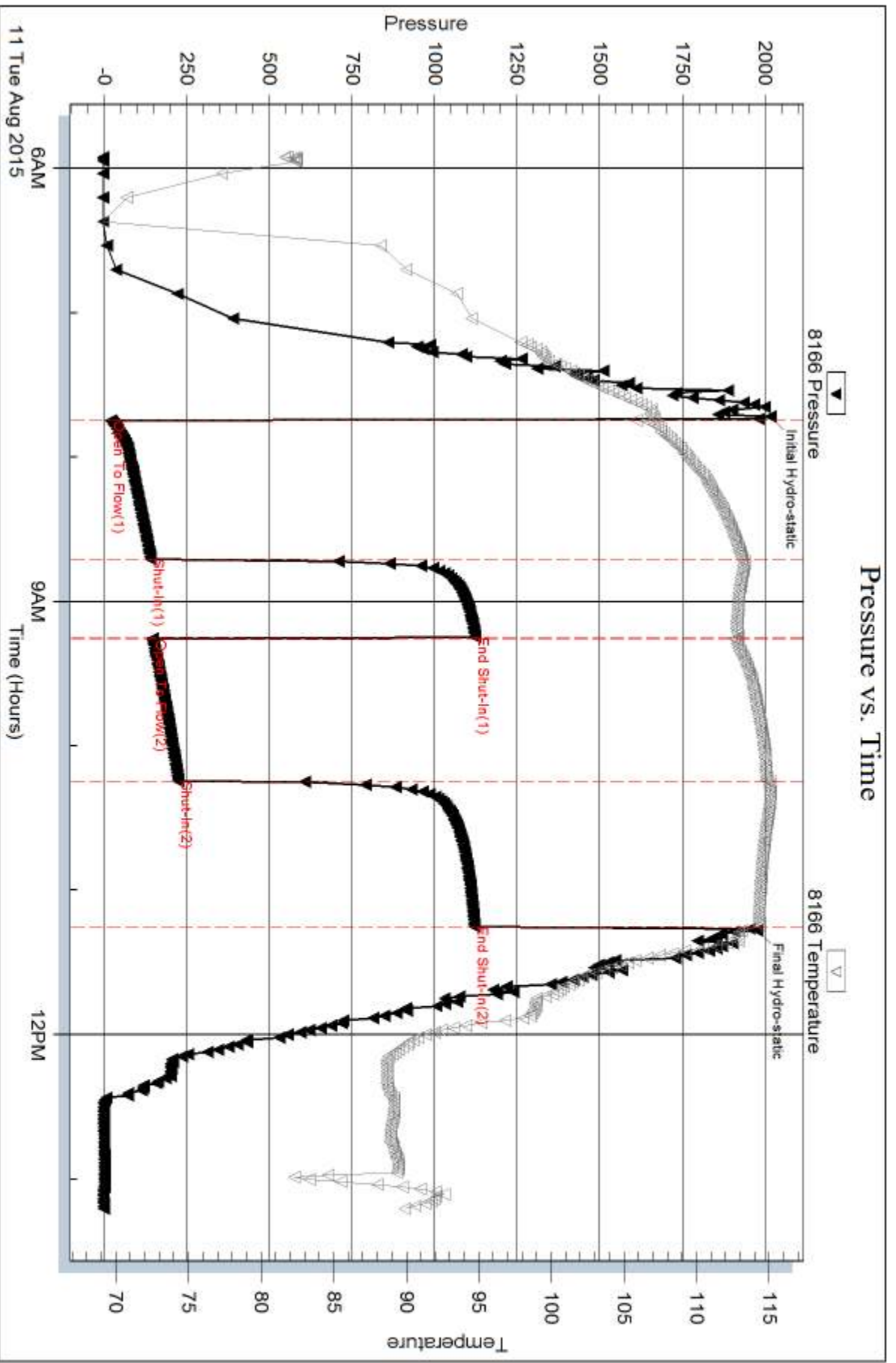
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .16@86=36000



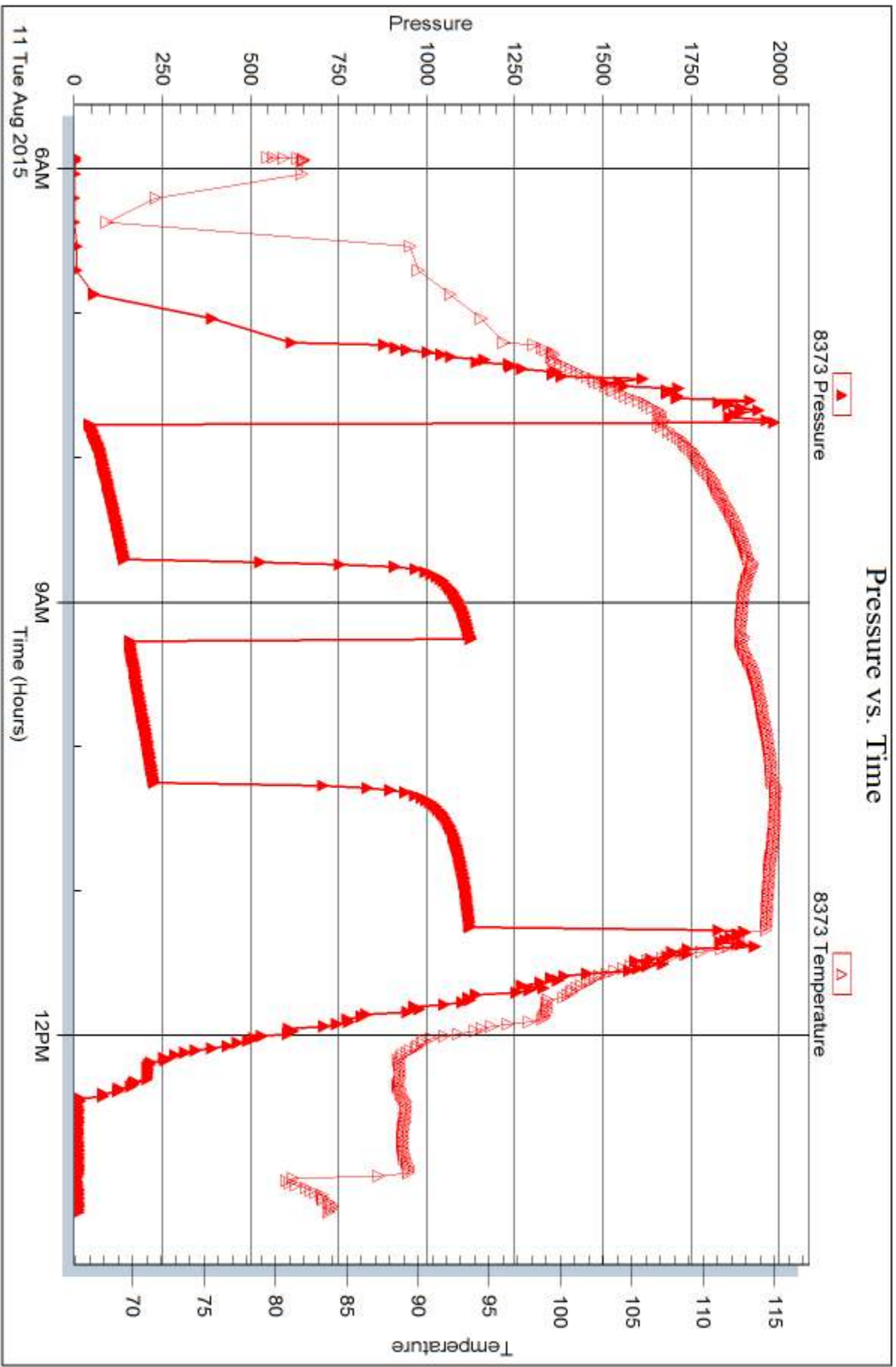
Serial #: 8373

Inside

Stratakan Exploration LLC

Beagley #2-1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 61739

Printed: 2015.08.17 @ 13:05:55



DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.
Plainville, KS 67663

ATTN: Chris Bean

Beagley #2-1

2-14s-33w Logan,KS

Start Date: 2015.08.12 @ 01:15:48

End Date: 2015.08.12 @ 08:30:18

Job Ticket #: 61740 DST #: 3

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

Printed: 2015.08.17 @ 13:05:28

Stratakan Exploration LLC
2-14s-33w Logan,KS
Beagley #2-1
DST # 3
LKC H
2015.08.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stratakan Exploration LLC

2-14s-33w Logan,KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61740

DST#: 3

ATTN: Chris Bean

Test Start: 2015.08.12 @ 01:15:48

GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:24:18

Time Test Ended: 08:30:18

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 3994.00 ft (KB) To 4025.00 ft (KB) (TVD)

Reference Elevations: 2879.00 ft (KB)

Total Depth: 4025.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 70.50 psig @ 3995.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.12 End Date: 2015.08.12

Last Calib.: 2015.08.12

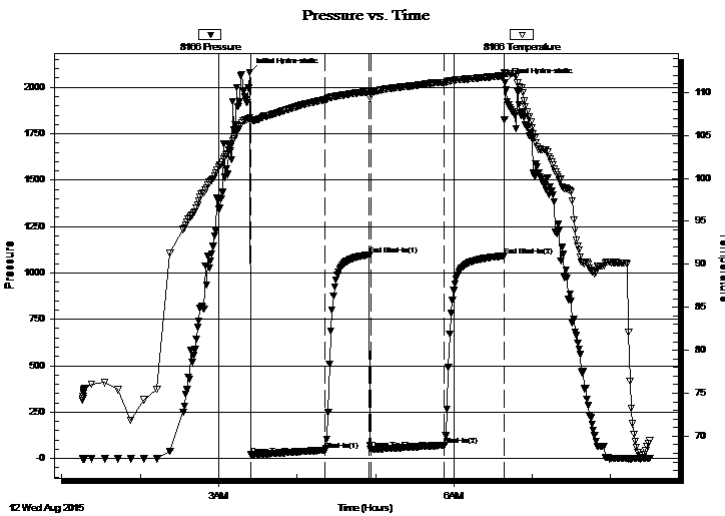
Start Time: 01:15:53 End Time: 08:30:17

Time On Btm: 2015.08.12 @ 03:23:48

Time Off Btm: 2015.08.12 @ 06:39:18

TEST COMMENT: IF: 1/4' blow built to 2" in 60 min.
IS: No return.
FF: Surface blow built to 1/2" in 60 min.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2080.78	107.05	Initial Hydro-static
1	19.09	106.66	Open To Flow (1)
58	44.53	109.16	Shut-In(1)
92	1098.67	110.11	End Shut-In(1)
93	49.95	109.89	Open To Flow (2)
149	70.50	111.16	Shut-In(2)
195	1092.04	111.96	End Shut-In(2)
196	2025.62	112.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	w cm 30%w 70%m	0.62
1.00	free oil 100%o	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stratakan Exploration LLC

2-14s-33w Logan, KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61740

DST#: 3

ATTN: Chris Bean

Test Start: 2015.08.12 @ 01:15:48

Tool Information

Drill Pipe:	Length: 3870.00 ft	Diameter: 3.80 inches	Volume: 54.29 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 54.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3994.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			3967.00	
Shut In Tool	5.00			3972.00	
Hydraulic tool	5.00			3977.00	
Jars	5.00			3982.00	
Safety Joint	2.00			3984.00	
Change Over Sub	1.00			3985.00	
Packer - Shale	5.00			3990.00	
Packer	4.00			3994.00	28.00 Bottom Of Top Packer
Stubb	1.00			3995.00	
Recorder	0.00	8373	Inside	3995.00	
Recorder	0.00	8166	Outside	3995.00	
Perforations	25.00			4020.00	
Bullnose	5.00			4025.00	31.00 Anchor Tool

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stratakan Exploration LLC

2-14s-33w Logan, KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61740

DST#: 3

ATTN: Chris Bean

Test Start: 2015.08.12 @ 01:15:48

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

23000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.56 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	w cm 30%w 70%m	0.619
1.00	free oil 100%o	0.014

Total Length: 125.00 ft Total Volume: 0.633 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .32@68=23000

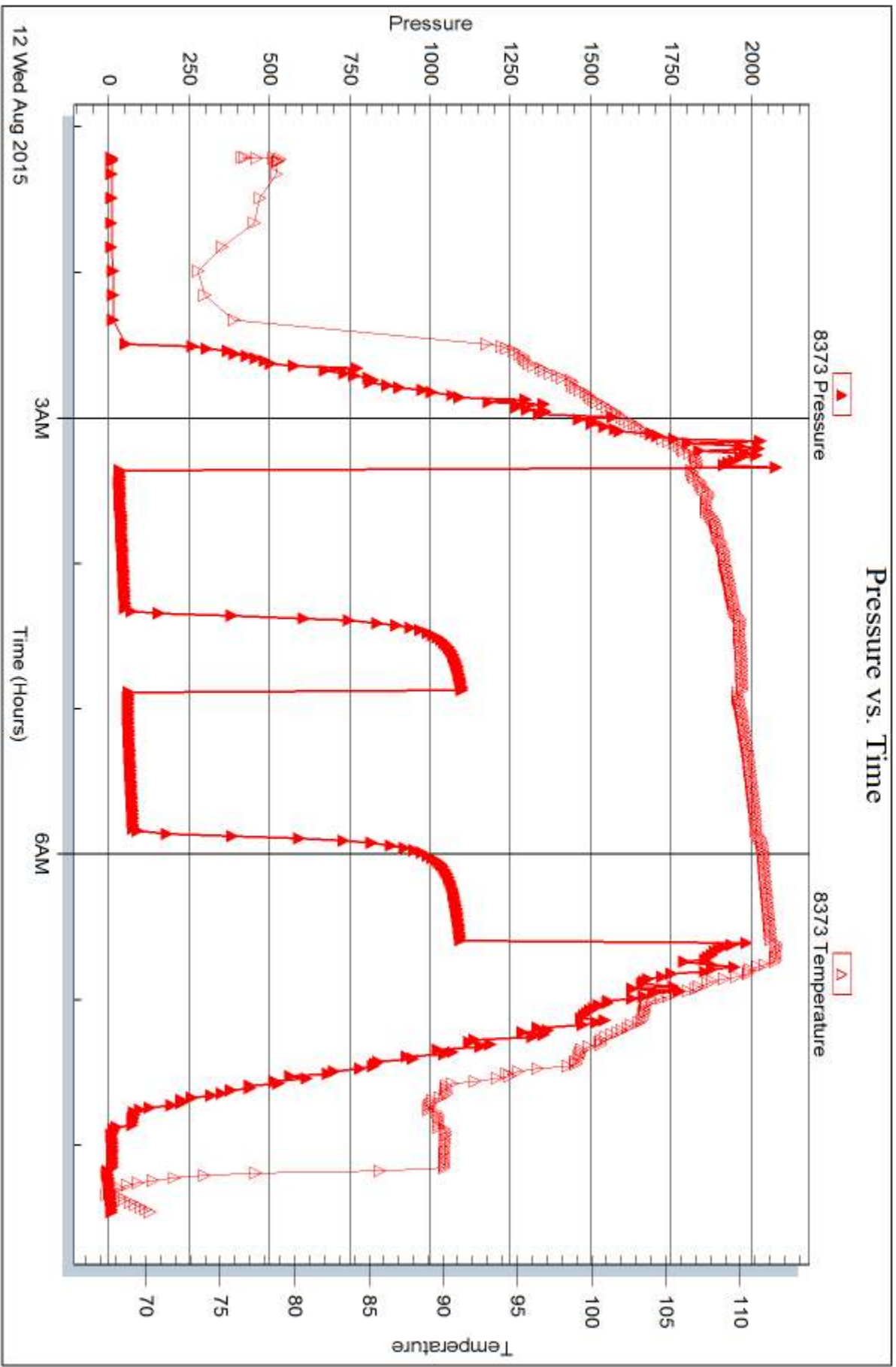
Serial #: 8373

Inside

Stratakan Exploration LLC

Beagley #2-1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 61740

Printed: 2015.08.17 @ 13:05:30



DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.
Plainville, KS 67663

ATTN: Chris Bean

Beagley #2-1

2-14s-33w Logan,KS

Start Date: 2015.08.12 @ 18:51:51

End Date: 2015.08.13 @ 00:48:51

Job Ticket #: 61741 DST #: 4

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

Printed: 2015.08.17 @ 13:03:56



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stratakan Exploration LLC

2-14s-33w Logan, KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61741

DST#: 4

ATTN: Chris Bean

Test Start: 2015.08.12 @ 18:51:51

GENERAL INFORMATION:

Formation: **LKC I-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:55:21

Time Test Ended: 00:48:51

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4024.00 ft (KB) To 4104.00 ft (KB) (TVD)

Reference Elevations: 2879.00 ft (KB)

Total Depth: 4104.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 43.20 psig @ 4025.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.12

End Date:

2015.08.13

Last Calib.: 2015.08.13

Start Time: 18:51:56

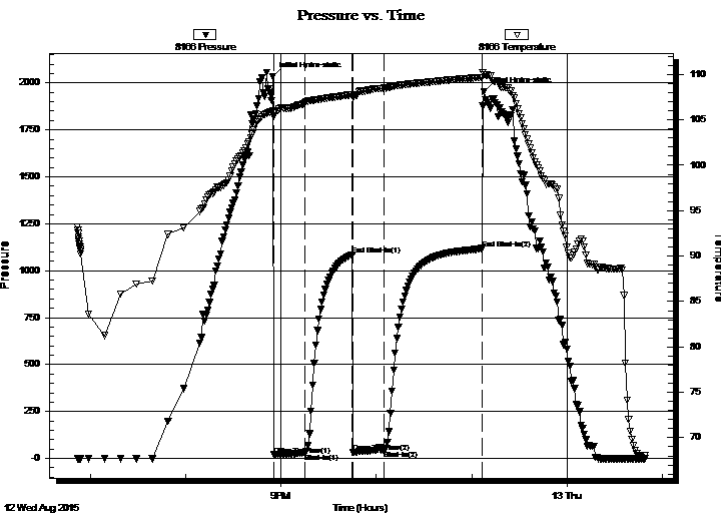
End Time:

00:48:50

Time On Btm: 2015.08.12 @ 20:54:51

Time Off Btm: 2015.08.12 @ 23:07:51

TEST COMMENT: IF: 1/4" blow died in 8 min.
IS: No return.
FF: No blow. Flushed tool no blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2032.35	105.97	Initial Hydro-static
1	19.03	105.36	Open To Flow (1)
20	28.27	106.92	Shut-In(1)
50	1086.04	107.78	End Shut-In(1)
51	31.87	107.49	Open To Flow (2)
70	43.20	108.49	Shut-In(2)
132	1117.96	109.70	End Shut-In(2)
133	1952.93	109.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud oil spots 100%m	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stratakan Exploration LLC

2-14s-33w Logan,KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61741

DST#: 4

ATTN: Chris Bean

Test Start: 2015.08.12 @ 18:51:51

Tool Information

Drill Pipe:	Length: 3903.00 ft	Diameter: 3.80 inches	Volume: 54.75 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 55.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	4024.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	108.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			3997.00	
Shut In Tool	5.00			4002.00	
Hydraulic tool	5.00			4007.00	
Jars	5.00			4012.00	
Safety Joint	2.00			4014.00	
Change Over Sub	1.00			4015.00	
Packer - Shale	5.00			4020.00	
Packer	4.00			4024.00	28.00 Bottom Of Top Packer
Stubb	1.00			4025.00	
Recorder	0.00	8373	Inside	4025.00	
Recorder	0.00	8166	Outside	4025.00	
Perforations	9.00			4034.00	
Change Over Sub	1.00			4035.00	
Drill Pipe	63.00			4098.00	
Change Over Sub	1.00			4099.00	
Bullnose	5.00			4104.00	80.00 Anchor Tool
Total Tool Length:	108.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stratakan Exploration LLC

2-14s-33w Logan,KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61741

DST#: 4

ATTN: Chris Bean

Test Start: 2015.08.12 @ 18:51:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

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
20.00	mud oil spots 100%m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

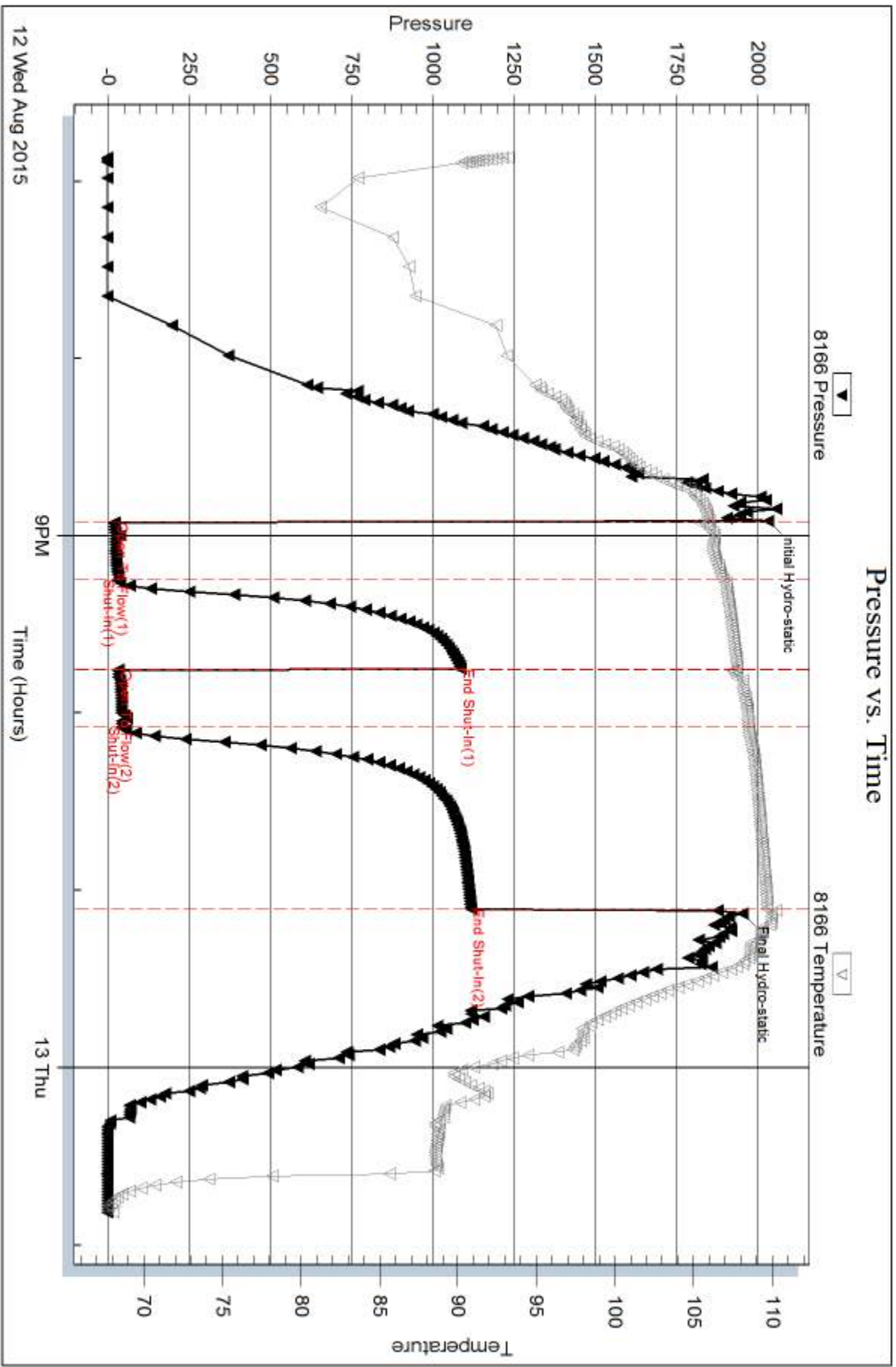
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



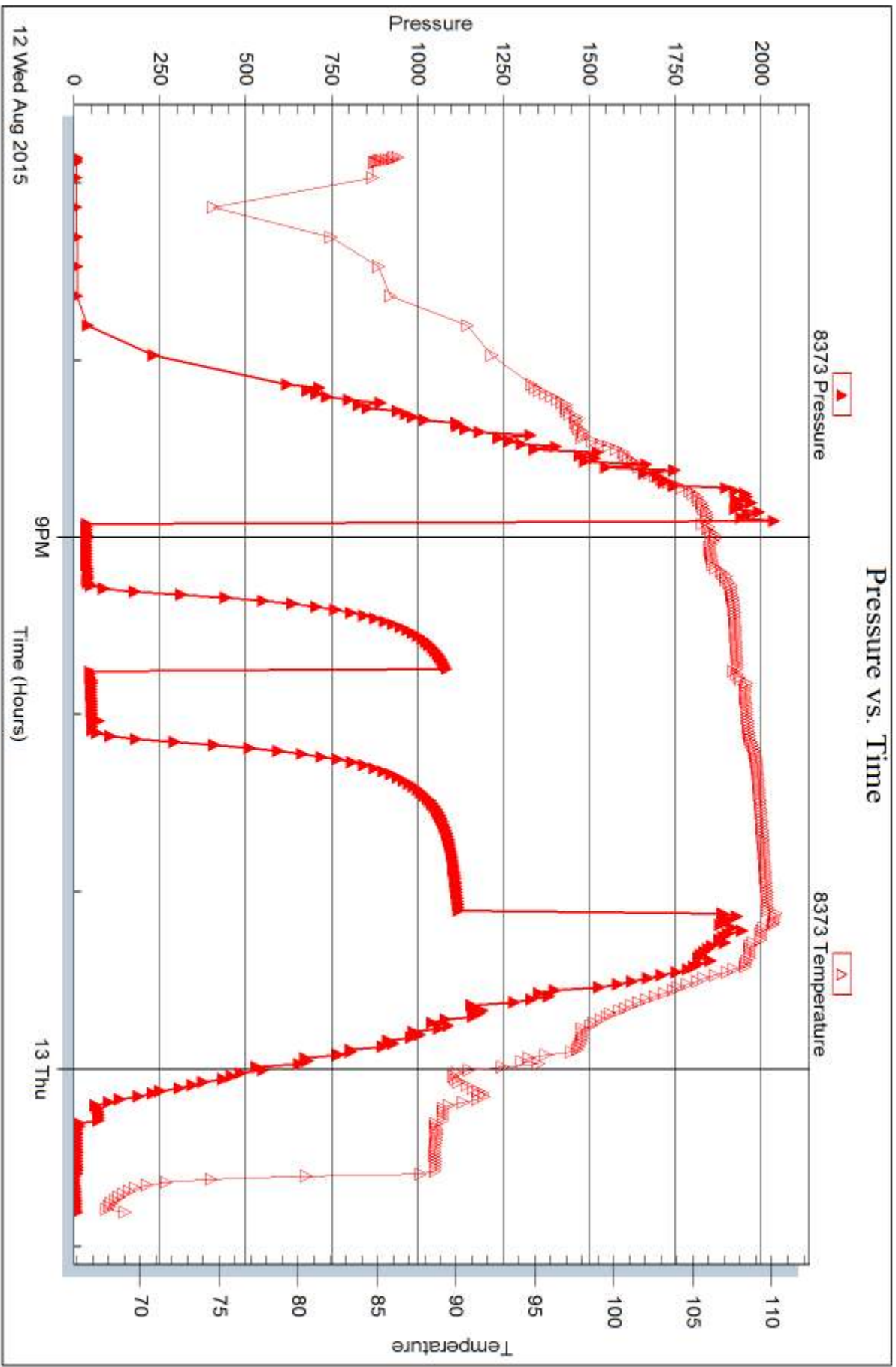
Serial #: 8373

Inside

Stratakan Exploration LLC

Beagley #2-1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 61741

Printed: 2015.08.17 @ 13:03:57



DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.
Plainville, KS 67663

ATTN: Chris Bean

Beagley #2-1

2-14s-33w Logan,KS

Start Date: 2015.08.13 @ 12:13:13

End Date: 2015.08.13 @ 17:03:13

Job Ticket #: 61742 DST #: 5

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

Printed: 2015.08.17 @ 13:03:38



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Stratakan Exploration LLC

2-14s-33w Logan, KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61742

DST#: 5

ATTN: Chris Bean

Test Start: 2015.08.13 @ 12:13:13

GENERAL INFORMATION:

Formation: **Pleasanton- Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:55:13

Time Test Ended: 17:03:13

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4148.00 ft (KB) To 4205.00 ft (KB) (TVD)

Reference Elevations: 2879.00 ft (KB)

Total Depth: 4205.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 26.79 psig @ 4149.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.13

End Date: 2015.08.13

Last Calib.: 2015.08.13

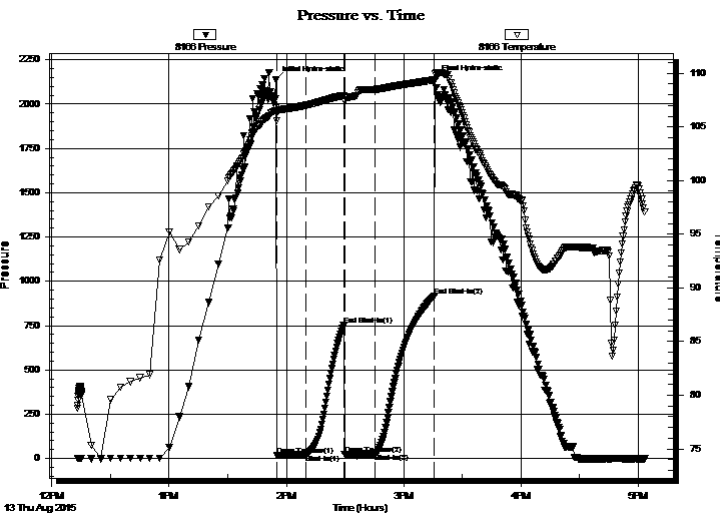
Start Time: 12:13:18

End Time: 17:03:12

Time On Btm: 2015.08.13 @ 13:54:43

Time Off Btm: 2015.08.13 @ 15:16:13

TEST COMMENT: IF: Surface blow died in 5 mins.
IS: No return.
FF: No blow. Flushed tool no blow.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2135.51	106.74	Initial Hydro-static
1	19.47	105.61	Open To Flow (1)
15	21.34	107.01	Shut-In(1)
35	751.61	107.93	End Shut-In(1)
35	22.70	107.40	Open To Flow (2)
51	26.79	108.49	Shut-In(2)
81	917.78	109.39	End Shut-In(2)
82	2140.08	109.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stratakan Exploration LLC

2-14s-33w Logan, KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61742

DST#: 5

ATTN: Chris Bean

Test Start: 2015.08.13 @ 12:13:13

Tool Information

Drill Pipe:	Length: 4027.00 ft	Diameter: 3.80 inches	Volume: 56.49 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	45000.00 lb
			<u>Total Volume: 57.09 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	4148.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	57.00 ft				
Tool Length:	85.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4121.00	
Shut In Tool	5.00			4126.00	
Hydraulic tool	5.00			4131.00	
Jars	5.00			4136.00	
Safety Joint	2.00			4138.00	
Change Over Sub	1.00			4139.00	
Packer - Shale	5.00			4144.00	
Packer	4.00			4148.00	28.00 Bottom Of Top Packer
Stubb	1.00			4149.00	
Recorder	0.00	8373	Inside	4149.00	
Recorder	0.00	8166	Outside	4149.00	
Perforations	18.00			4167.00	
Change Over Sub	1.00			4168.00	
Drill Pipe	31.00			4199.00	
Change Over Sub	1.00			4200.00	
Bullnose	5.00			4205.00	57.00 Anchor Tool
Total Tool Length:	85.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stratakan Exploration LLC

2-14s-33w Logan,KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61742

DST#: 5

ATTN: Chris Bean

Test Start: 2015.08.13 @ 12:13:13

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

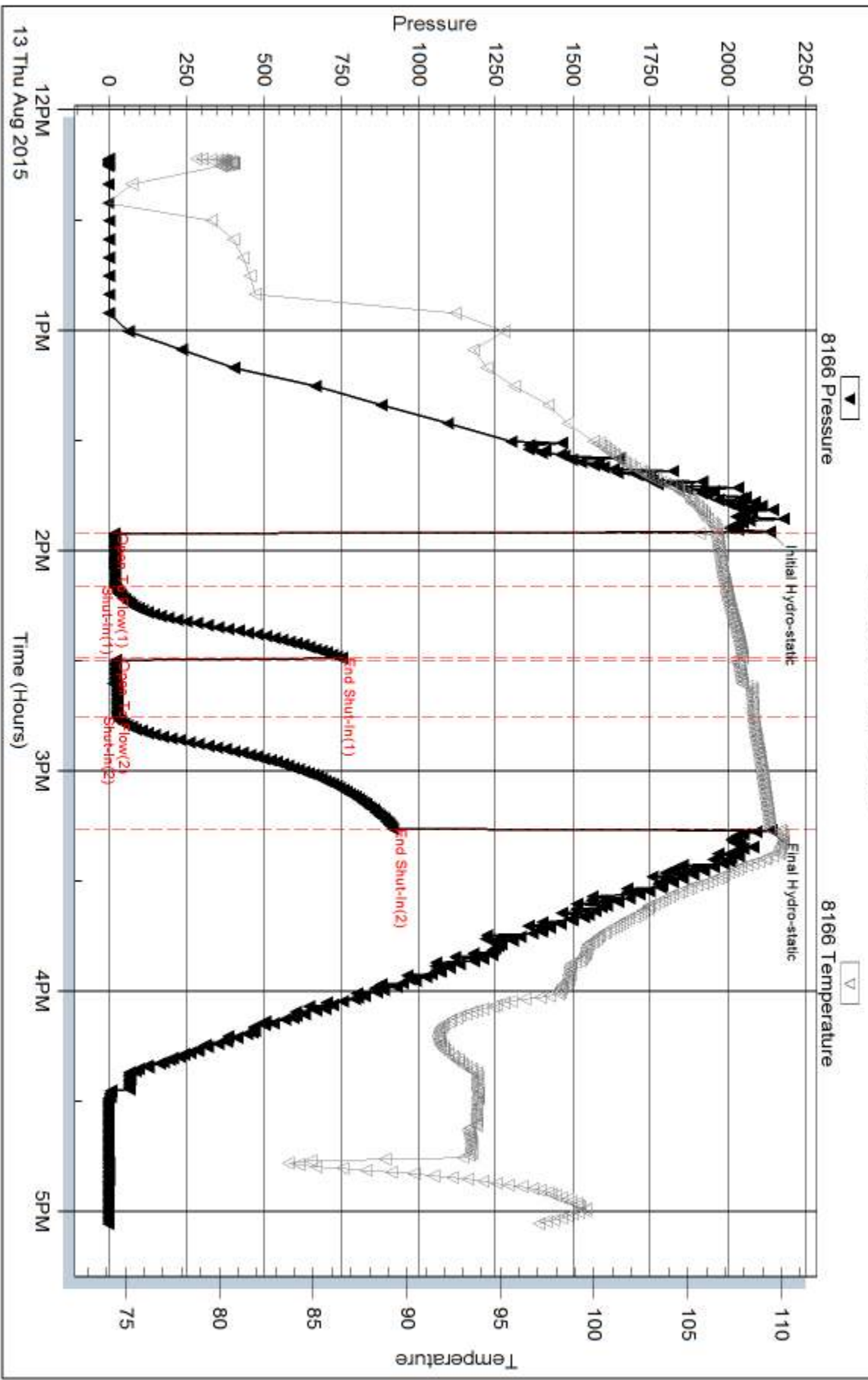
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



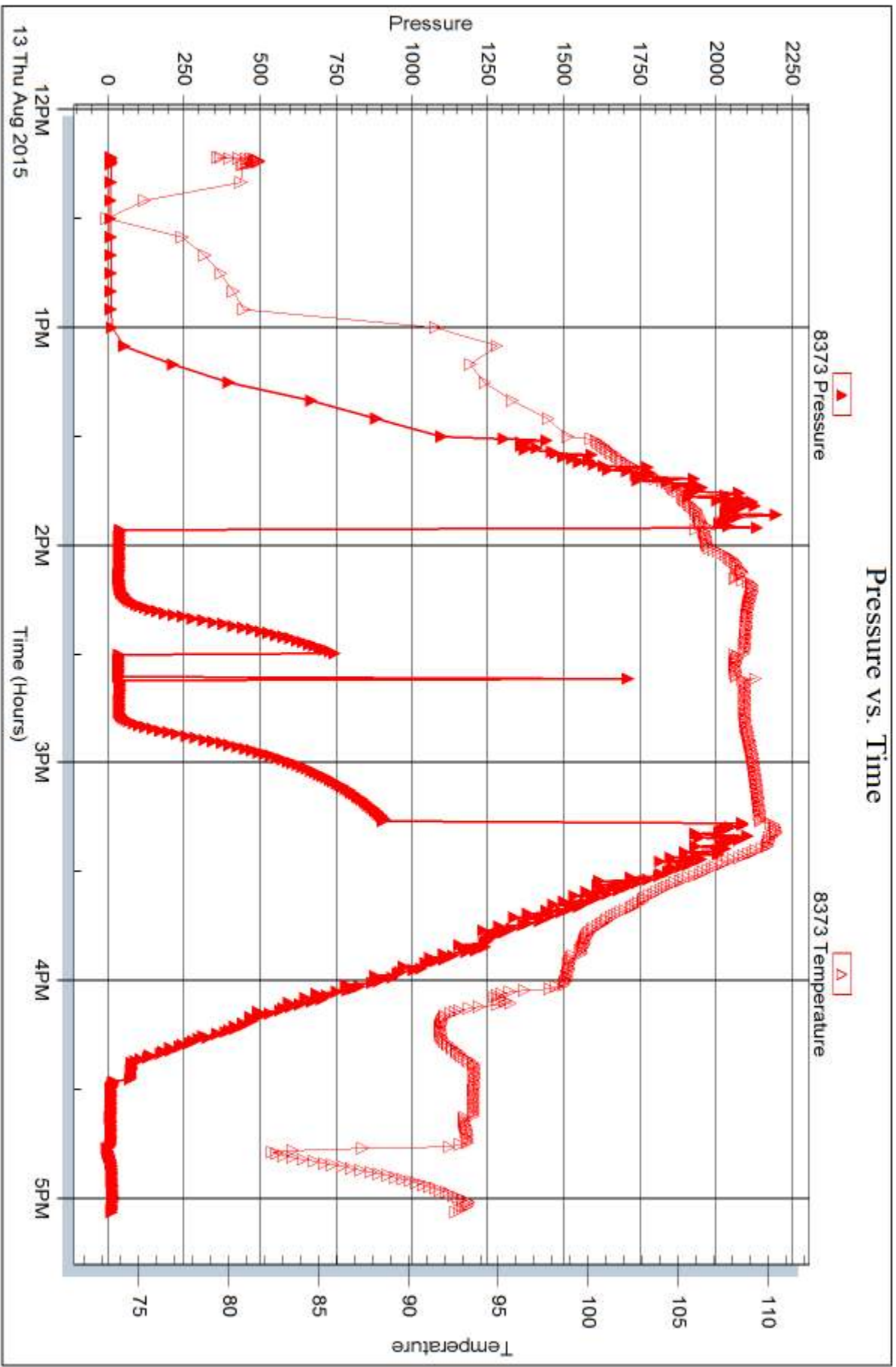
Serial #: 8373

Inside

Stratakan Exploration LLC

Beagley #2-1

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.
Plainville, KS 67663

ATTN: Chris Bean

Beagley #2-1

2-14s-33w Logan,KS

Start Date: 2015.08.14 @ 19:47:34

End Date: 2015.08.15 @ 01:49:04

Job Ticket #: 61743 DST #: 6

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

Printed: 2015.08.17 @ 13:03:15



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stratakan Exploration LLC

2-14s-33w Logan, KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61743

DST#: 6

ATTN: Chris Bean

Test Start: 2015.08.14 @ 19:47:34

GENERAL INFORMATION:

Formation: **Johnson/Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:55:04

Time Test Ended: 01:49:04

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 4400.00 ft (KB) To 4490.00 ft (KB) (TVD)

Reference Elevations: 2879.00 ft (KB)

Total Depth: 4490.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8373

Inside

Press@RunDepth: 52.64 psig @ 4401.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.14

End Date:

2015.08.15

Last Calib.:

2015.08.15

Start Time:

19:47:39

End Time:

01:49:03

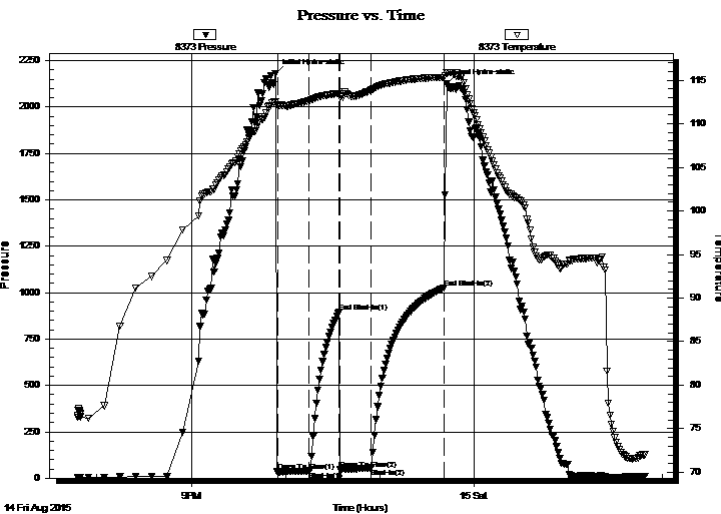
Time On Btm:

2015.08.14 @ 21:53:34

Time Off Btm:

2015.08.14 @ 23:42:34

TEST COMMENT: IF: Surface blow died in 9 min.
IS: No return.
FF: No blow. Flushed tool surface blow died in 4 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2182.16	112.53	Initial Hydro-static
2	34.53	112.13	Open To Flow (1)
22	37.65	112.62	Shut-In(1)
41	896.70	113.46	End Shut-In(1)
41	46.27	113.07	Open To Flow (2)
61	52.64	113.80	Shut-In(2)
108	1026.05	115.30	End Shut-In(2)
109	2125.72	115.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100%m	0.30

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stratakan Exploration LLC

2-14s-33w Logan, KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61743

DST#: 6

ATTN: Chris Bean

Test Start: 2015.08.14 @ 19:47:34

Tool Information

Drill Pipe:	Length: 4275.00 ft	Diameter: 3.80 inches	Volume: 59.97 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 60.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	4400.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	118.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4373.00	
Shut In Tool	5.00			4378.00	
Hydraulic tool	5.00			4383.00	
Jars	5.00			4388.00	
Safety Joint	2.00			4390.00	
Change Over Sub	1.00			4391.00	
Packer - Shale	5.00			4396.00	
Packer	4.00			4400.00	28.00 Bottom Of Top Packer
Stubb	1.00			4401.00	
Recorder	0.00	8373	Inside	4401.00	
Recorder	0.00	8166	Outside	4401.00	
Perforations	18.00			4419.00	
Change Over Sub	1.00			4420.00	
Drill Pipe	64.00			4484.00	
Change Over Sub	1.00			4485.00	
Bullnose	5.00			4490.00	90.00 Anchor Tool
Total Tool Length:	118.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stratakan Exploration LLC

2-14s-33w Logan,KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61743

DST#: 6

ATTN: Chris Bean

Test Start: 2015.08.14 @ 19:47:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud 100%m	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

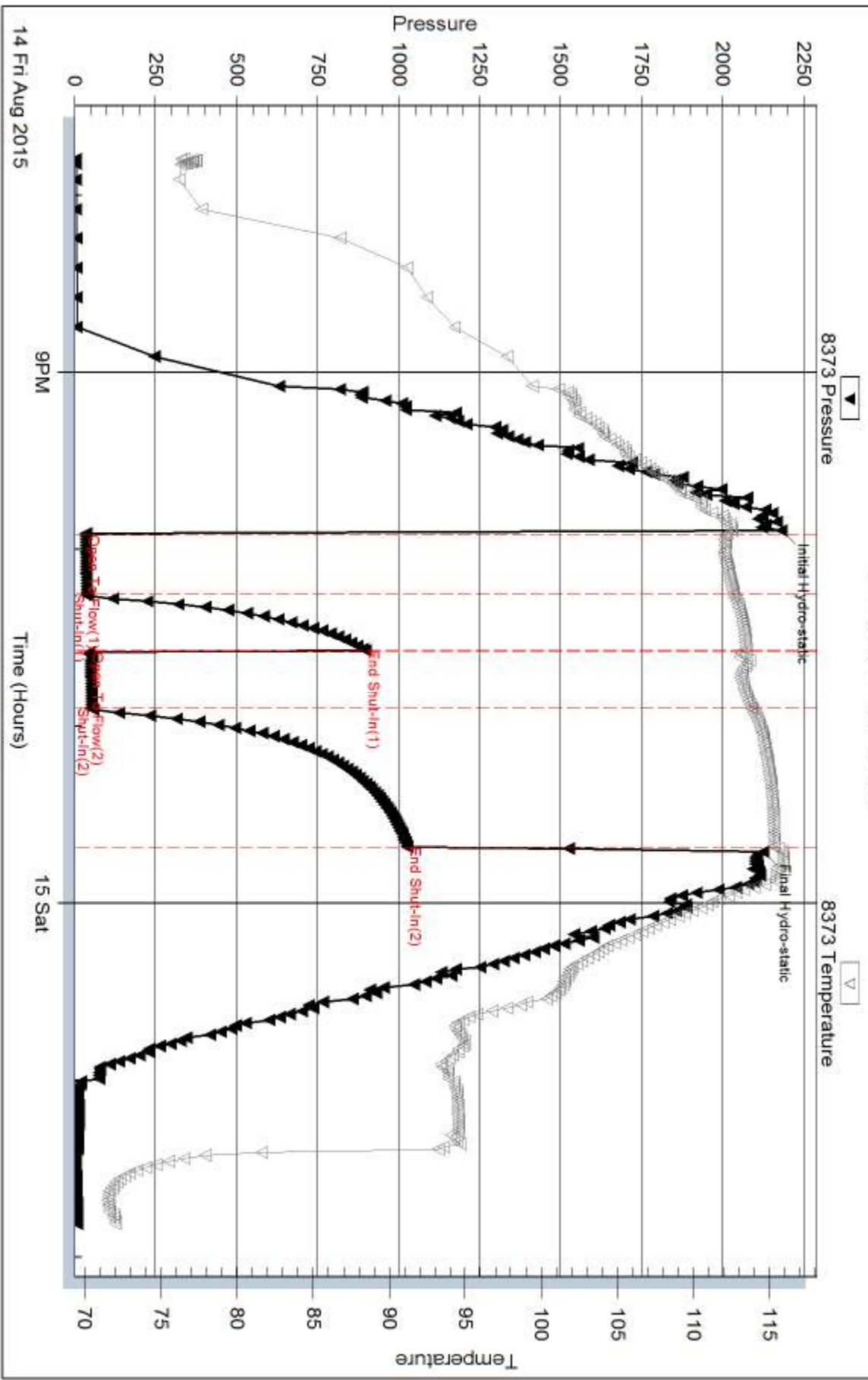
Serial #:

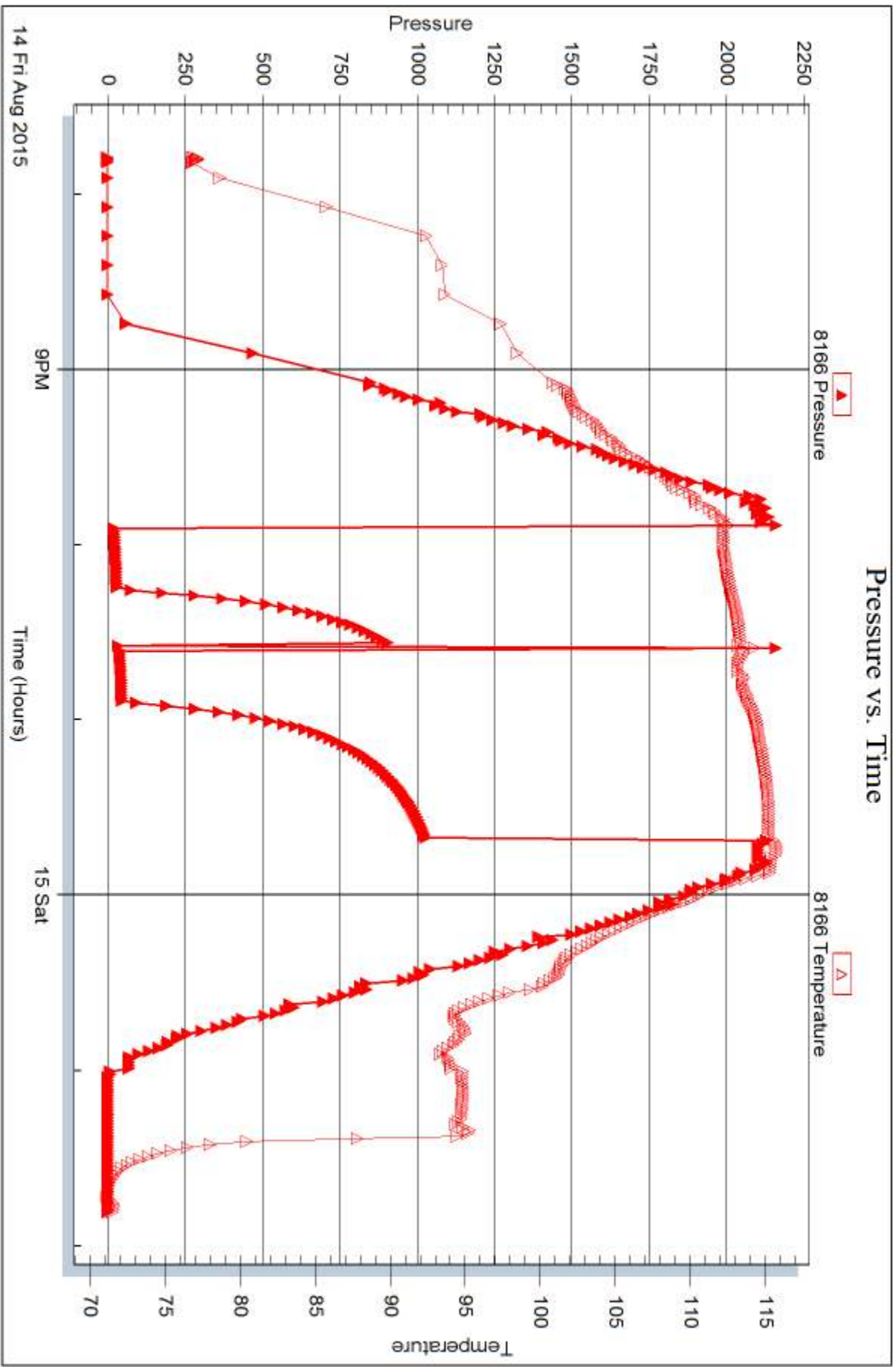
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.
Plainville, KS 67663

ATTN: Chris Bean

Beagley #2-1

2-14s-33w Logan,KS

Start Date: 2015.08.16 @ 06:17:54

End Date: 2015.08.16 @ 12:44:24

Job Ticket #: 61744 DST #: 7

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

Printed: 2015.08.17 @ 11:59:15



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Stratakan Exploration LLC

2-14s-33w Logan, KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61744

DST#: 7

ATTN: Chris Bean

Test Start: 2015.08.16 @ 06:17:54

GENERAL INFORMATION:

Formation: **LKC F-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:26:24

Time Test Ended: 12:44:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

Interval: 3924.00 ft (KB) To 3971.00 ft (KB) (TVD)

Reference Elevations: 2879.00 ft (KB)

Total Depth: 4592.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8166 Outside

Press@RunDepth: 874.55 psig @ 3929.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.16

End Date: 2015.08.16

Last Calib.: 2015.08.16

Start Time: 06:17:59

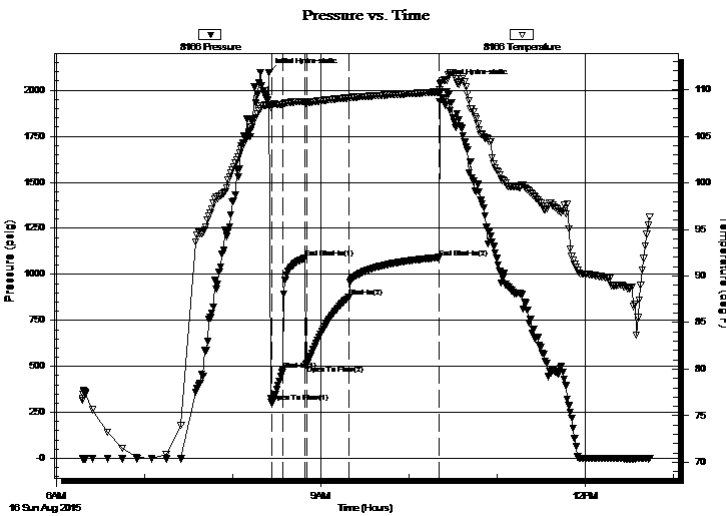
End Time: 12:44:23

Time On Btm: 2015.08.16 @ 08:24:54

Time Off Btm: 2015.08.16 @ 10:21:24

TEST COMMENT: IF: BOB in 1 min.
IS: No return.
FF: BOB in 2 min.
FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2097.17	108.42	Initial Hydro-static
2	303.45	108.30	Open To Flow (1)
10	478.00	108.39	Shut-In(1)
25	1088.18	108.75	End Shut-In(1)
26	508.30	108.62	Open To Flow (2)
54	874.55	109.12	Shut-In(2)
116	1091.61	109.74	End Shut-In(2)
117	2036.20	110.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	water 100%w	0.62
1116.00	mcw 90%w 10%m	15.65
372.00	mcw trace of oil 60%w 40%m	5.22
206.00	ocw m 2%o 28%w 70%m	2.89

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Stratakan Exploration LLC

2-14s-33w Logan,KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61744

DST#: 7

ATTN: Chris Bean

Test Start: 2015.08.16 @ 06:17:54

Tool Information

Drill Pipe:	Length: 3805.00 ft	Diameter: 3.80 inches	Volume: 53.37 bbl	Tool Weight: 8000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 53.97 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3924.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	668.00 ft			
Tool Length:	690.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Stubb	1.00			3903.00	
Shut In Tool	5.00			3908.00	
Hydraulic tool	5.00			3913.00	
Safety Joint	2.00			3915.00	
Packer	5.00			3920.00	22.00 Bottom Of Top Packer
Packer	4.00			3924.00	
Stubb	1.00			3925.00	
Perforations	4.00			3929.00	
Recorder	0.00	8373	Inside	3929.00	
Recorder	0.00	8166	Outside	3929.00	
Change Over Sub	1.00			3930.00	
Drill Pipe	30.00			3960.00	
Bullnose	1.00			3961.00	
Perforations	5.00			3966.00	
Blank Off Sub	1.00			3967.00	668.00 Tool Interval
Packer	4.00			3971.00	
Stubb	1.00			3972.00	
Perforations	13.00			3985.00	
Change Over Sub	1.00			3986.00	
Drill Pipe	600.00			4586.00	
Recorder	0.00	8360	Below	4586.00	
Change Over Sub	1.00			4587.00	
Bullnose	5.00			4592.00	1000689.00 Bottom Packers & Anchor
Total Tool Length:	690.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Stratakan Exploration LLC

2-14s-33w Logan,KS

204 W Mill St.
Plainville, KS 67663

Beagley #2-1

Job Ticket: 61744

DST#: 7

ATTN: Chris Bean

Test Start: 2015.08.16 @ 06:17:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	water 100%w	0.619
1116.00	mcw 90%w 10%m	15.655
372.00	mcw trace of oil 60%w 40%m	5.218
206.00	ocw m 2%o 28%w 70%m	2.890

Total Length: 1818.00 ft Total Volume: 24.382 bbl

Num Fluid Samples: 0

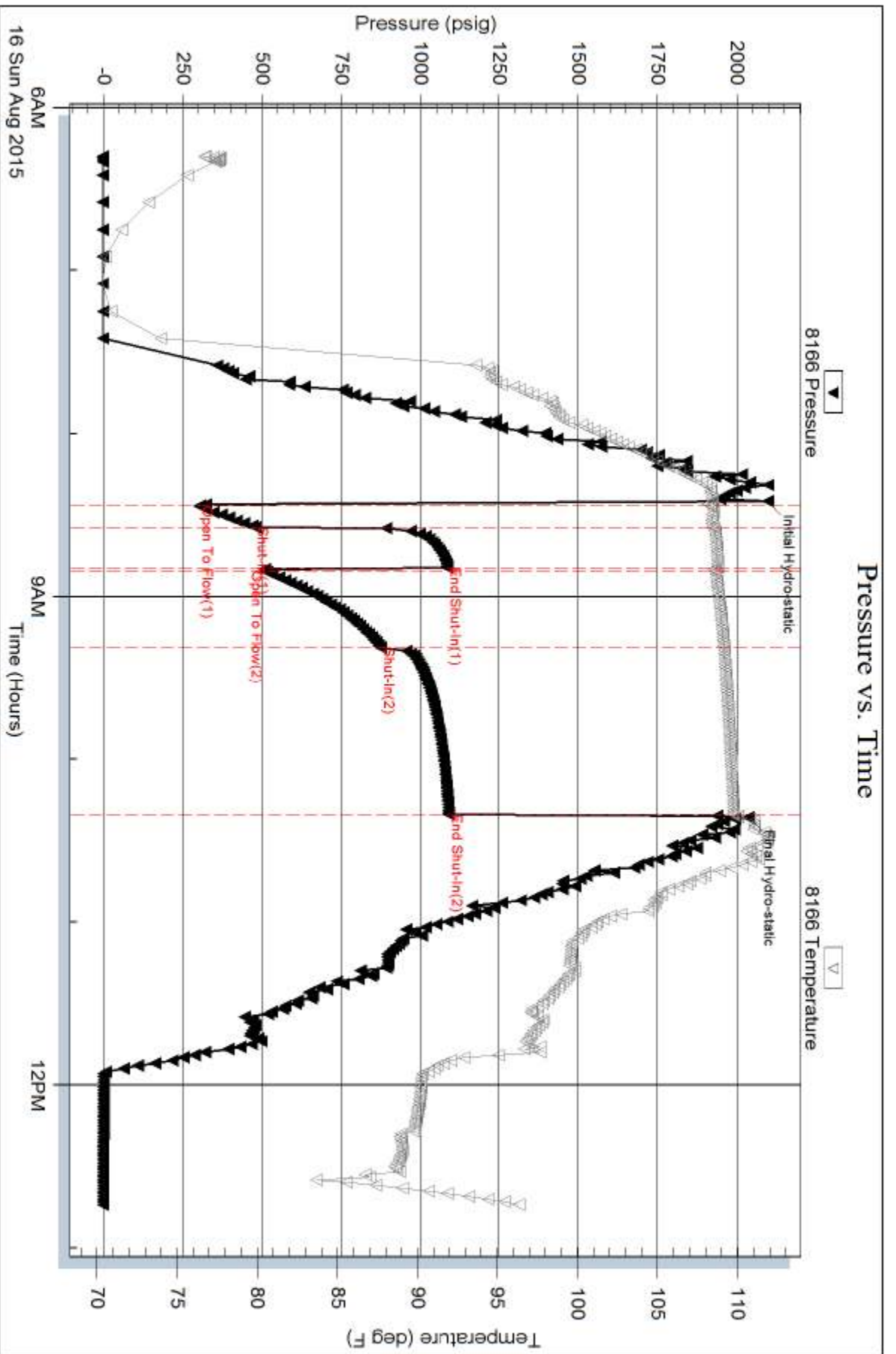
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .21@90=25000



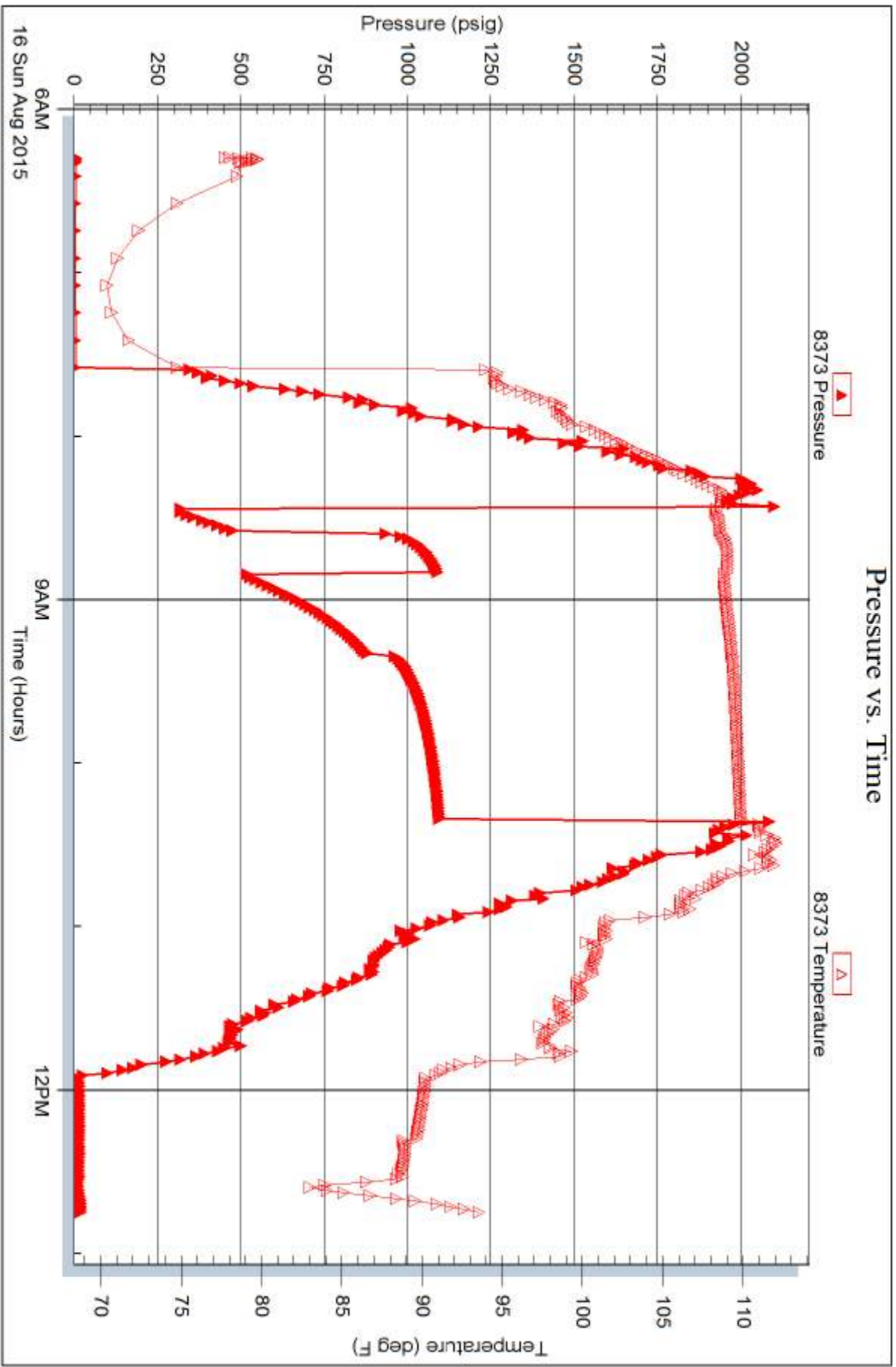
Serial #: 8373

Inside

Stratakan Exploration LLC

Beagley #2-1

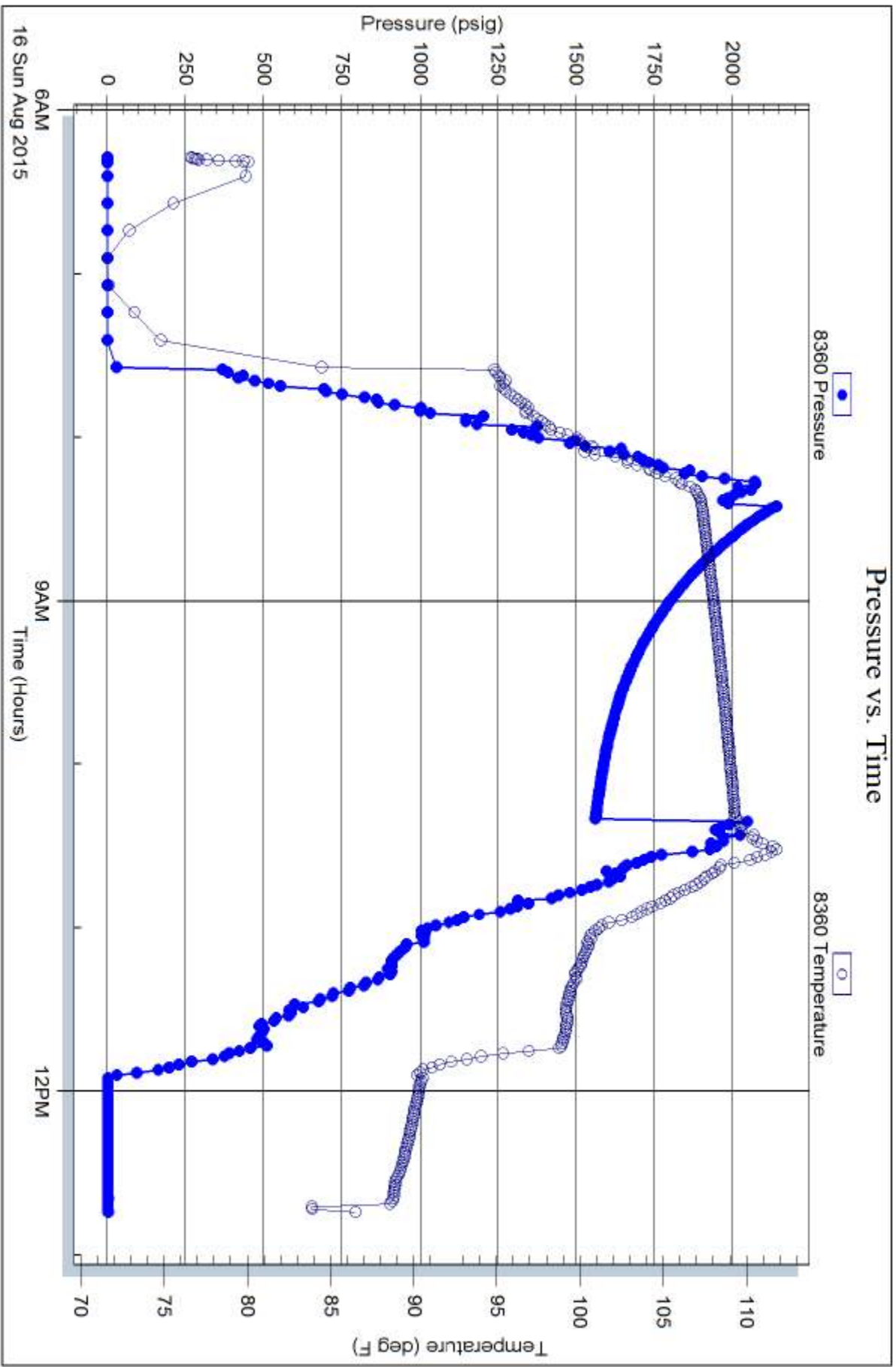
DST Test Number: 7



Trilobite Testing, Inc

Ref. No: 61744

Printed: 2015.08.17 @ 11:59:16





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

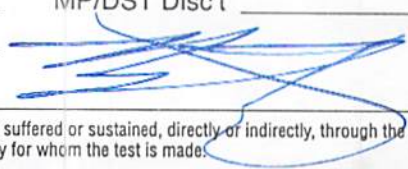
NO. 61738

Well Name & No. Beagley 2-1 Test No. 1 Date 8-9-15
 Company Stratkon Exploration LLC Elevation 2879 KB 2874 GL
 Address 204 W mill St. Plainville, KS 67663
 Co. Rep / Geo. Chris Bern Rig WW #6
 Location: Sec. 2 Twp. 14S Rge. 33W Co. Logan State KS

Interval Tested 3545 3579 Zone Tested Howard - Topck 4
 Anchor Length 34 Drill Pipe Run 3401 Mud Wt. 8.8
 Top Packer Depth 3540 Drill Collars Run 123 Vis 53
 Bottom Packer Depth 3545 Wt. Pipe Run — WL 7.2
 Total Depth 3579 Chlorides 7000 ppm System LCM 1 1/2
 Blow Description IF: 1/4 blow built to 3 in 60 min.
IS: No return.
FF: Surface blow built to 2 in 60 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>MCW oil spots</u>		<u>90</u>	<u>10</u>	
<u>62</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	

Rec Total 124 BHT 108 Gravity — API RW 26 @ 73° F Chlorides 26,000 ppm
 (A) Initial Hydrostatic 1718 Test 1050 T-On Location 20:15
 (B) First Initial Flow 18 Jars 250 T-Started 22:23
 (C) First Final Flow 70 Safety Joint 75 T-Open 00:20
 (D) Initial Shut-In 1129 Circ Sub NIL T-Pulled 3:50
 (E) Second Initial Flow 75 Hourly Standby _____ T-Out 5:32
 (F) Second Final Flow 92 Mileage 102- Comments _____
 (G) Final Shut-In 1156 Sampler _____
 (H) Final Hydrostatic 1655 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 60 Day Standby _____ Sub Total 0
 Initial Shut-In 30 Accessibility _____ Total 1727
 Final Flow 60 Sub Total 1727 MP/DST Disc't _____
 Final Shut-In 60

Approved By _____ Our Representative 

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61739

Well Name & No. Bergley 2-1 Test No. 2 Date 8-11-15
 Company Strata Kyn Exploration LLC Elevation 2879 KB 2874 GL
 Address 5
 Co. Rep / Geo. Chris Bern Rig WW #6
 Location: Sec. 2 Twp. 145 Rge. 33N Co. Logan State KS

Interval Tested 3885 3924 Zone Tested D-E
 Anchor Length 39 Drill Pipe Run 3744 Mud Wt. 8.8
 Top Packer Depth 3880 Drill Collars Run 123 Vis 59
 Bottom Packer Depth 3885 Wt. Pipe Run — WL 8.0
 Total Depth 3924 Chlorides 11,000 ppm System LCM 1 1/2
 Blow Description IF: 1/4 blow BoB in 28 mins.
ID: No return.
FF: Surface blow BoB in 43 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>144</u>	<u>wcm</u>		<u>10</u>	<u>90</u>	
<u>186</u>	<u>MCW</u>		<u>70</u>	<u>30</u>	
<u>124</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	

Rec Total 454 BHT 114 Gravity — API RW .16 @ 86 ° F Chlorides 36,000 ppm

(A) Initial Hydrostatic 2015 Test 1050 T-On Location 5:00
 (B) First Initial Flow 21 Jars 250 T-Started 5:55
 (C) First Final Flow 140 Safety Joint 75 T-Open 7:45
 (D) Initial Shut-In 1123 Circ Sub N/C T-Pulled 11:15
 (E) Second Initial Flow 147 Hourly Standby T-Out 13:15
 (F) Second Final Flow 224 Mileage 102- Comments _____
 (G) Final Shut-In 1121 Sampler _____
 (H) Final Hydrostatic 1975 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1727
 Sub Total 1727 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
 TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61740

Well Name & No. Beagley 2-1 Test No. 3 Date 8-12-15
 Company Stratagem Exploration Elevation 2879 KB 2874 GL
 Address _____
 Co. Rep / Geo. Chris Bern Rig WW #6
 Location: Sec. 2 Twp. 14S Rge. 33W Co. Logan State KS

Interval Tested 3994 4025 Zone Tested LKC-H
 Anchor Length 31 Drill Pipe Run 3870 Mud Wt. 9.4
 Top Packer Depth 3989 Drill Collars Run 123 Vis 51
 Bottom Packer Depth 3994 Wt. Pipe Run _____ WL 9.6
 Total Depth 4025 Chlorides 9000 ppm System LCM ~~9000~~ 1/2
 Blow Description IF: 1/4 blow built to 2 in 60 min.
IS: No return.
FF: surface blow built to 1/2 in 60 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free oil</u>		<u>100</u>		
<u>124</u>	<u>WCM</u>		<u>30</u>	<u>70</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 125 BHT 111 Gravity _____ API RW .32 @ 68 °F Chlorides 23,000 ppm

(A) Initial Hydrostatic <u>2080</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>06:10</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:15</u>
(C) First Final Flow <u>44</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:22</u>
(D) Initial Shut-In <u>1098</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>6:37</u>
(E) Second Initial Flow <u>49</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>8:30</u>
(F) Second Final Flow <u>70</u>	<input checked="" type="checkbox"/> Mileage <u>102-</u>	Comments _____
(G) Final Shut-In <u>1092</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2025</u>	<input type="checkbox"/> Straddle _____	_____
Initial Open <u>60</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>1827</u>
	<input type="checkbox"/> Accessibility _____	Total _____
	Sub Total <u>1827</u>	MP/DST Disc't _____

Approved By _____ Our Representative

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61741

Well Name & No. Beggley 2-1 Test No. 4 Date 8-12-15
 Company Straterra Exploration Elevation 2879 KB 2874 GL
 Address _____
 Co. Rep / Geo. Chris Bern Rig WW #6
 Location: Sec. 2 Twp. 145 Rge. 33W Co. L099N State KS

Interval Tested 4024 4104 Zone Tested IJK
 Anchor Length 80 Drill Pipe Run 3903 Mud Wt. 9.0
 Top Packer Depth 4019 Drill Collars Run 123 Vis 55
 Bottom Packer Depth 4024 Wt. Pipe Run _____ WL 8.8
 Total Depth 4104 Chlorides 8000 ppm System LCM 1 1/2

Blow Description ± F1 1/4 blow died in 8 min.
± 5' No return.
FF: No blow, Flashed tool no blow.
F5: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>mud oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 108 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2032 Test 1150 T-On Location 18:15
 (B) First Initial Flow 19 Jars 250 T-Started 18:51
 (C) First Final Flow 28 Safety Joint 75 T-Open 20:55
 (D) Initial Shut-In 1086 Circ Sub NIL T-Pulled 23:05
 (E) Second Initial Flow 31 Hourly Standby _____ T-Out 00:50
 (F) Second Final Flow 43 Mileage 102- Comments _____
 (G) Final Shut-In 1117 Sampler _____
 (H) Final Hydrostatic 1952 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1827
 Sub Total 1827 MP/DST Disc't _____

Approved By _____ Our Representative

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61742

Well Name & No. Begley 2-1 Test No. 5 Date 8-13-15
 Company Stratagem Exploration Elevation 2879 KB 2874 GL
 Address _____
 Co. Rep / Geo. Chris Bean Rig WW #6
 Location: Sec. 2 Twp. 14S Rge. 33W Co. Logan State K5

Interval Tested 4148 4205 Zone Tested Pleasanton - Marmaton
 Anchor Length 57 Drill Pipe Run 4027 Mud Wt. 9.0
 Top Packer Depth 4143 Drill Collars Run 123 Vis 57
 Bottom Packer Depth 4148 Wt. Pipe Run — WL 10.4
 Total Depth 4205 Chlorides 10,000 ppm System LCM 1

Blow Description IF: surface blow died in 5 min.
IS: No return.
FF: No blow, Flushed tool no blow.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 109 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2135</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>12:00</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:13</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>13:55</u>
(D) Initial Shut-In <u>751</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>15:15</u>
(E) Second Initial Flow <u>22</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>17:05</u>
(F) Second Final Flow <u>26</u>	<input checked="" type="checkbox"/> Mileage <u>102-</u>	Comments _____
(G) Final Shut-In <u>917</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2140</u>	<input type="checkbox"/> Straddle	_____
Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>20</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1827</u>
	Sub Total <u>1827</u>	MP/DST Disc't _____

Approved By _____ Our Representative

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61743

Well Name & No. Beagley 2-1 Test No. 6 Date 8-14-15
 Company Stratagem Exploration Elevation 2879 KB 2874 GL
 Address _____
 Co. Rep / Geo. Chris Bern Rig WW #6
 Location: Sec. 2 Twp. 14S Rge. 33W Co. Logan State KS

Interval Tested 4400 4490 Zone Tested Johnson / Morrow sand
 Anchor Length 90 Drill Pipe Run 4275 Mud Wt. 9.3
 Top Packer Depth 4395 Drill Collars Run 123 Vis 54
 Bottom Packer Depth 4400 Wt. Pipe Run — WL 9.6
 Total Depth 4490 Chlorides 10,000 ppm System LCM 1

Blow Description IF: Surface blow died in 9 min.
IS: No return.
FF: No blow. Flushed tool surface blow died in 4 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 115 Gravity — API RW — @ —° F Chlorides — ppm

(A) Initial Hydrostatic <u>2182</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>19:15</u>
(B) First Initial Flow <u>34</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>19:47</u>
(C) First Final Flow <u>37</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>21:53</u>
(D) Initial Shut-In <u>896</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>23:38</u>
(E) Second Initial Flow <u>46</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1:46</u>
(F) Second Final Flow <u>52</u>	<input checked="" type="checkbox"/> Mileage <u>102-</u>	Comments _____
(G) Final Shut-In <u>1026</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2125</u>	<input type="checkbox"/> Straddle _____	_____
Initial Open <u>20</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>20</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>20</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1827</u>
	Sub Total <u>1827</u>	MP/DST Disc't _____

Approved By _____ Our Representative _____

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61744

Well Name & No. Bergley 2-1 Test No. 7 Date 8-16-15
 Company Strat & Kern Exploration Elevation 2879 KB 2874 GL
 Address _____
 Co. Rep / Geo. Chris Bern Rig WW #6
 Location: Sec. 2 Twp. 14S Rge. 33W Co. L094N State K5

Interval Tested 3924 3971 Zone Tested F-G
 Anchor Length 47 Drill Pipe Run 3805 Mud Wt. 9.4
 Top Packer Depth 3919 Drill Collars Run 123 Vis 50
 Bottom Packer Depth 3924 Wt. Pipe Run _____ WL 10.2
 Total Depth 4592 Chlorides 9000 ppm System LCM 1
 Blow Description IF: BoB in 1 min.
IS: No return.
FF: BoB in 2 min.
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>206</u>	<u>ocwm</u>	<u>2</u>	<u>28</u>	<u>70</u>	
<u>372</u>	<u>mcw trace of oil</u>		<u>60</u>	<u>40</u>	
<u>1116</u>	<u>mcw</u>		<u>90</u>	<u>10</u>	
<u>124</u>	<u>water</u>		<u>100</u>		
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1818 BHT 109 Gravity _____ API RW .21 @ 90 ° F Chlorides 25,000 ppm

(A) Initial Hydrostatic <u>2097</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>5:30</u>
(B) First Initial Flow <u>303</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>6:17</u>
(C) First Final Flow <u>478</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>8:25</u>
(D) Initial Shut-In <u>1088</u>	<input checked="" type="checkbox"/> Circ Sub <u>50.00</u>	T-Pulled <u>10:20</u>
(E) Second Initial Flow <u>508</u>	<input checked="" type="checkbox"/> Hourly Standby <u>3-</u>	T-Out <u>12:45</u>
(F) Second Final Flow <u>874</u>	<input checked="" type="checkbox"/> Mileage <u>204-</u>	Comments <u>Drove to the rig set the 10:15 to 1:15 to drive home and get 4 shells packers</u>
(G) Final Shut-In <u>1091</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2036</u>	<input checked="" type="checkbox"/> Straddle 600	<input type="checkbox"/> Ruined Packer
	<input checked="" type="checkbox"/> Shale Packer <u>X2</u> 500	<input type="checkbox"/> Extra Copies
Initial Open <u>10</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Initial Shut-In <u>30 15</u>	<input type="checkbox"/> Extra Recorder	Total <u>2829</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	
	Sub Total <u>2829</u>	

Approved By _____ Our Representative

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.