



DRILL STEM TEST REPORT

Prepared For: **Bach Production**

PO Box 723
Alma NE 68920

ATTN: Bob Peterson

Dawnby #1

14-1-19w Phillips,KS

Start Date: 2014.05.16 @ 18:00:00

End Date: 2014.05.17 @ 01:03:00

Job Ticket #: 58177 DST #: 1

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

Printed: 2014.05.21 @ 08:59:38



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58177

DST#: 1

ATTN: Bob Peterson

Test Start: 2014.05.16 @ 18:00:00

GENERAL INFORMATION:

Formation: **LKC-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:53:30

Time Test Ended: 01:03:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 3326.00 ft (KB) To 3378.00 ft (KB) (TVD)

Reference Elevations: 2085.00 ft (KB)

Total Depth: 3378.00 ft (KB) (TVD)

2080.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8960

Inside

Press@RunDepth: 98.36 psig @ 3327.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.16

End Date: 2014.05.17

Last Calib.: 2014.05.17

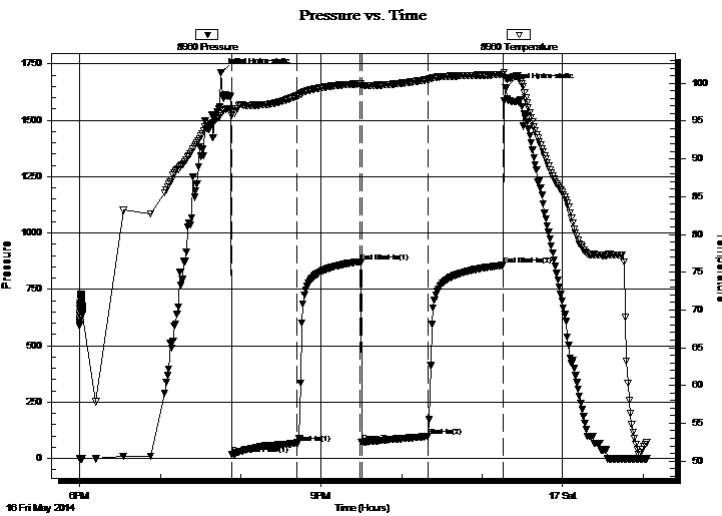
Start Time: 18:00:01

End Time: 01:03:00

Time On Btm: 2014.05.16 @ 19:45:30

Time Off Btm: 2014.05.16 @ 23:17:30

TEST COMMENT: IF: Weak blow , Built to 3" over 45 mins
IS: No blow back
FF: Weak blow , After 15 mins.. Built to 1 1/4". over 45 mins.
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1712.65	96.03	Initial Hydro-static
8	16.89	95.72	Open To Flow (1)
57	68.92	98.32	Shut-In(1)
104	873.21	99.94	End Shut-In(1)
105	71.70	99.72	Open To Flow (2)
154	98.36	100.49	Shut-In(2)
210	857.24	101.13	End Shut-In(2)
212	1643.40	100.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
112.00	mcw -30% m70% w	0.55
5.00	w cm-one ft. free oil on top-40% w 60%	0.07

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58177

DST#: 1

ATTN: Bob Peterson

Test Start: 2014.05.16 @ 18:00:00

Tool Information

Drill Pipe:	Length: 3216.00 ft	Diameter: 3.80 inches	Volume: 45.11 bbl	Tool Weight:	2400.00 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: 112.00 ft	Diameter: 2.25 inches	Volume: 0.55 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 45.66 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3326.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	52.00 ft				
Tool Length:	80.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3303.00	
Hydraulic tool	5.00			3308.00	
Jars	5.00			3313.00	
Safety Joint	3.00			3316.00	
Packer	5.00			3321.00	28.00 Bottom Of Top Packer
Packer	5.00			3326.00	
Stubb	1.00			3327.00	
Recorder	0.00	8960	Inside	3327.00	
Recorder	0.00	8673	Outside	3327.00	
Perforations	15.00			3342.00	
change Over Sub	1.00			3343.00	
Drill Pipe	31.00			3374.00	
Change Over Sub	1.00			3375.00	
Bullnose	3.00			3378.00	52.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58177

DST#: 1

ATTN: Bob Peterson

Test Start: 2014.05.16 @ 18:00:00

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:

19500 ppm

Viscosity: 69.00 sec/qt

Cushion Volume:

bbf

Water Loss: 3.99 in³

Gas Cushion Type:

Resistivity: 0.32 ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
112.00	mcw -30% m70%w	0.551
5.00	w cm-one ft. free oil on top-40%w 60%	0.070

Total Length: 117.00 ft

Total Volume: 0.621 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

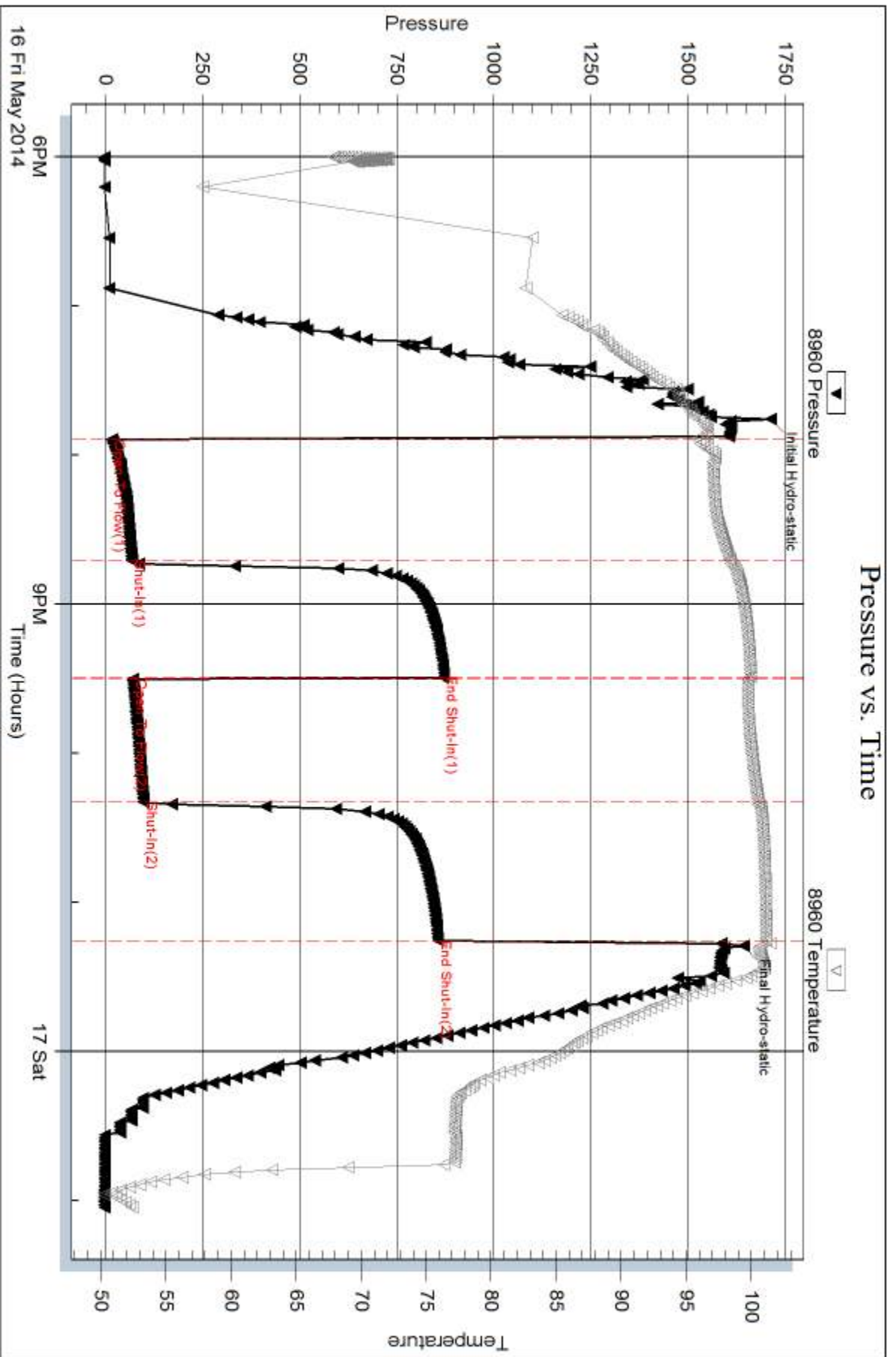
Serial #: 8960

Inside

Batch Production

Daw nby #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 58177

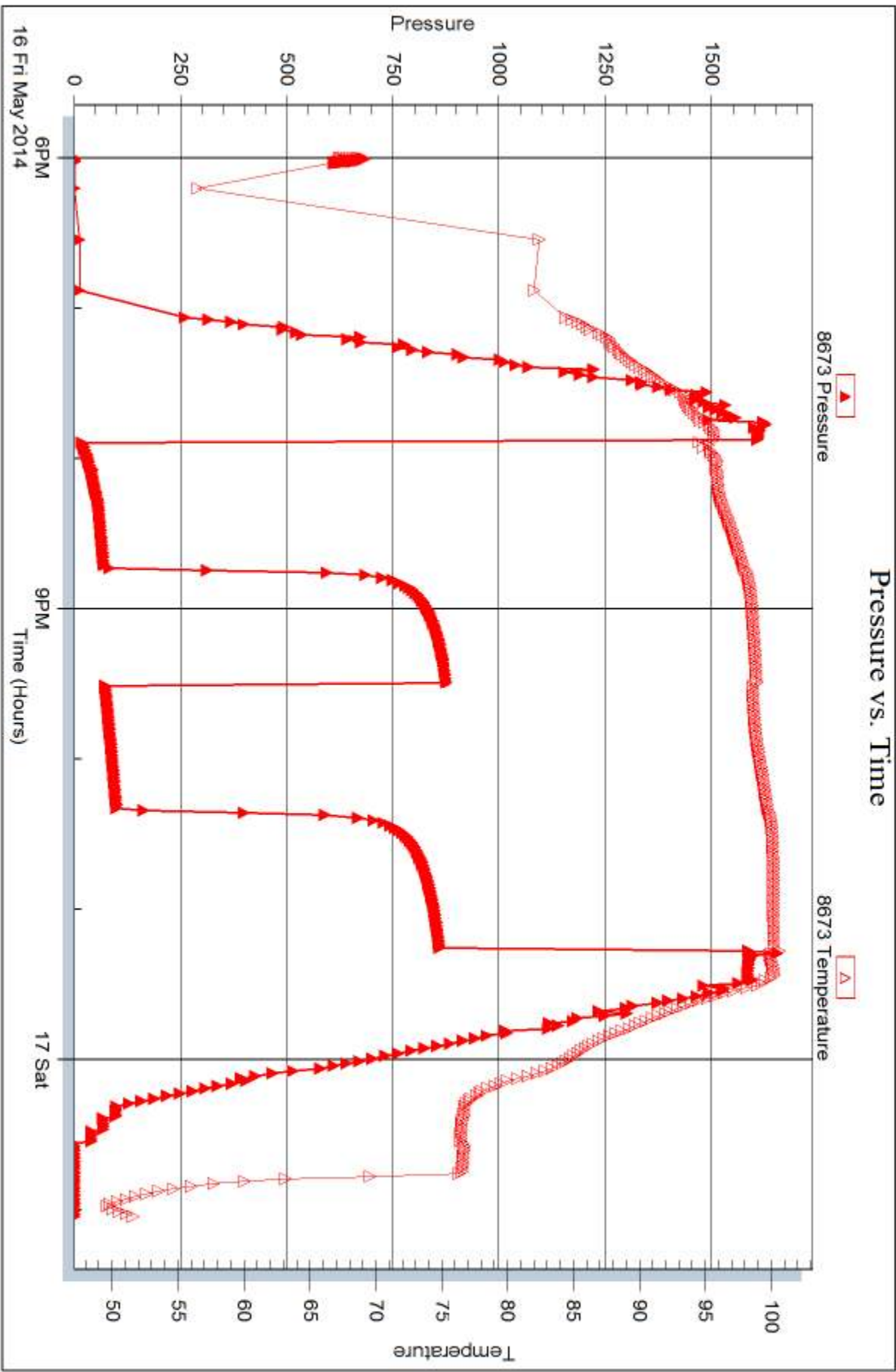
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Serial #: 8673

Outside Batch Production

Daw nby #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 58177

Printed: 2014.05.21 @ 08:59:39



DRILL STEM TEST REPORT

Prepared For: **Bach Production**

PO Box 723
Alma NE 68920

ATTN: Bob Peterson

Dawnby #1

14-1-19w Phillips,KS

Start Date: 2014.05.17 @ 18:30:00

End Date: 2014.05.18 @ 00:26:30

Job Ticket #: 58178 DST #: 2

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

Printed: 2014.05.21 @ 08:59:13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58178

DST#: 2

ATTN: Bob Peterson

Test Start: 2014.05.17 @ 18:30:00

GENERAL INFORMATION:

Formation: **LKC-**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:40:00

Time Test Ended: 00:26:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 3445.00 ft (KB) To 3540.00 ft (KB) (TVD)

Reference Elevations: 2085.00 ft (KB)

Total Depth: 3540.00 ft (KB) (TVD)

2080.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8960

Inside

Press@RunDepth: 721.25 psig @ 3446.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.17

End Date:

2014.05.18

Last Calib.:

2014.05.18

Start Time: 18:30:01

End Time:

00:26:30

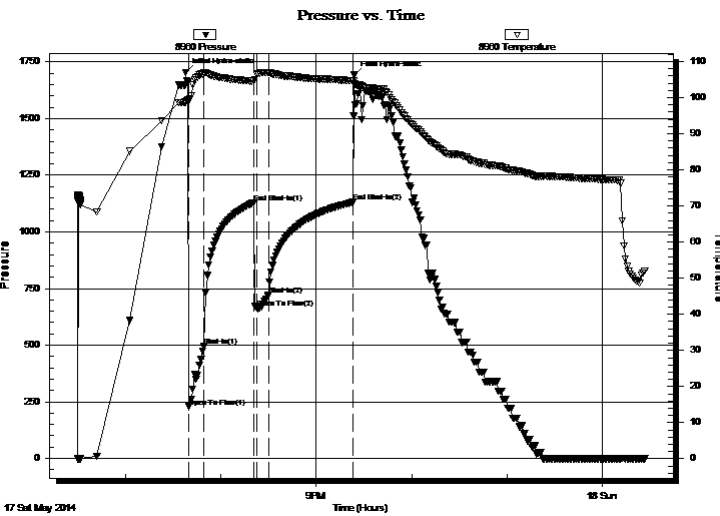
Time On Btm:

2014.05.17 @ 19:38:00

Time Off Btm:

2014.05.17 @ 21:24:00

TEST COMMENT: IF: Strong blow , Built to B.O.B in 30 sec.
IS: No blow back
FF: Strong blow , Built to B.O.B in 30 sec.
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1704.26	98.79	Initial Hydro-static
2	227.90	99.15	Open To Flow (1)
12	495.49	106.79	Shut-In(1)
43	1129.25	104.66	End Shut-In(1)
45	664.00	106.25	Open To Flow (2)
52	721.25	106.92	Shut-In(2)
105	1131.20	104.71	End Shut-In(2)
106	1691.78	103.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
121.00	w cm-20%w 80%m	0.68
310.00	mcw -30%m70%w	4.35
603.00	w ater-100%w	8.46

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58178

DST#: 2

ATTN: Bob Peterson

Test Start: 2014.05.17 @ 18:30:00

Tool Information

Drill Pipe:	Length: 3315.00 ft	Diameter: 3.80 inches	Volume: 46.50 bbl	Tool Weight: 2400.00 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: 112.00 ft	Diameter: 2.25 inches	Volume: 0.55 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 47.05 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3445.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.00 ft			
Tool Length:	123.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3422.00	
Hydraulic tool	5.00			3427.00	
Jars	5.00			3432.00	
Safety Joint	3.00			3435.00	
Packer	5.00			3440.00	28.00 Bottom Of Top Packer
Packer	5.00			3445.00	
Stubb	1.00			3446.00	
Recorder	0.00	8960	Inside	3446.00	
Recorder	0.00	8673	Outside	3446.00	
Perforations	27.00			3473.00	
change Over Sub	1.00			3474.00	
Drill Pipe	62.00			3536.00	
Change Over Sub	1.00			3537.00	
Bullnose	3.00			3540.00	95.00 Bottom Packers & Anchor

Total Tool Length: 123.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58178

DST#: 2

ATTN: Bob Peterson

Test Start: 2014.05.17 @ 18:30:00

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: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
121.00	w cm-20%w 80%m	0.677
310.00	mcw -30%m70%w	4.348
603.00	w ater-100%w	8.459

Total Length: 1034.00 ft Total Volume: 13.484 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8960

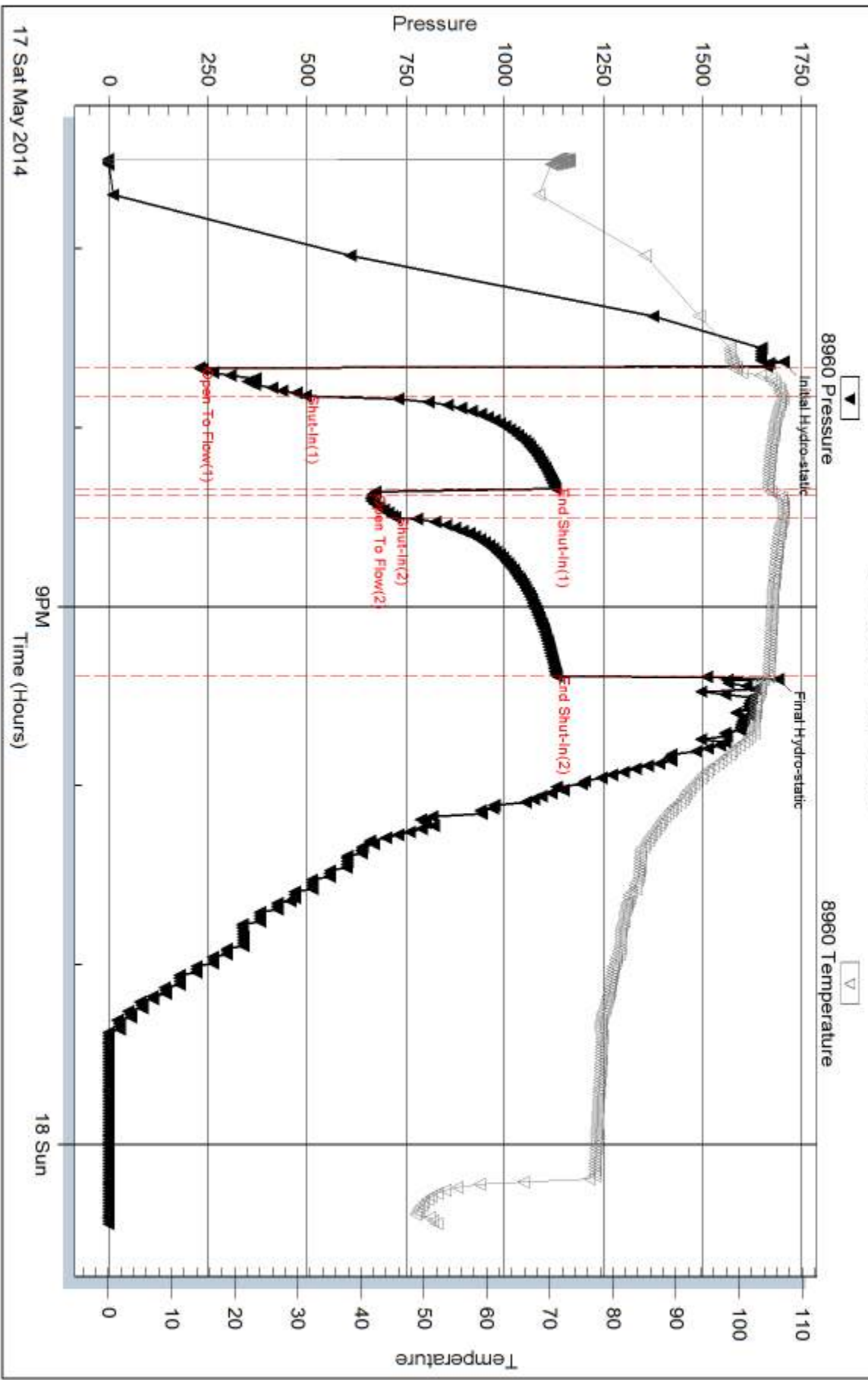
Inside

Batch Production

Daw nbj #1

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 58178

Printed: 2014.05.21 @ 08:59:14



DRILL STEM TEST REPORT

Prepared For: **Bach Production**

PO Box 723
Alma NE 68920

ATTN: Bob Peterson

Dawnby #1

14-1-19w Phillips,KS

Start Date: 2014.05.18 @ 06:20:00

End Date: 2014.05.18 @ 13:13:30

Job Ticket #: 58179 DST #: 3

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

Printed: 2014.05.21 @ 08:58:20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58179

DST#: 3

ATTN: Bob Peterson

Test Start: 2014.05.18 @ 06:20:00

GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:51:00

Time Test Ended: 13:13:30

Test Type: Conventional Straddle (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 3438.00 ft (KB) To 3483.00 ft (KB) (TVD)

Reference Elevations: 2085.00 ft (KB)

Total Depth: 3483.00 ft (KB) (TVD)

2080.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8960

Inside

Press@RunDepth: 46.71 psig @ 3439.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.05.18

End Date:

2014.05.18

Last Calib.: 2014.05.18

Start Time: 06:20:01

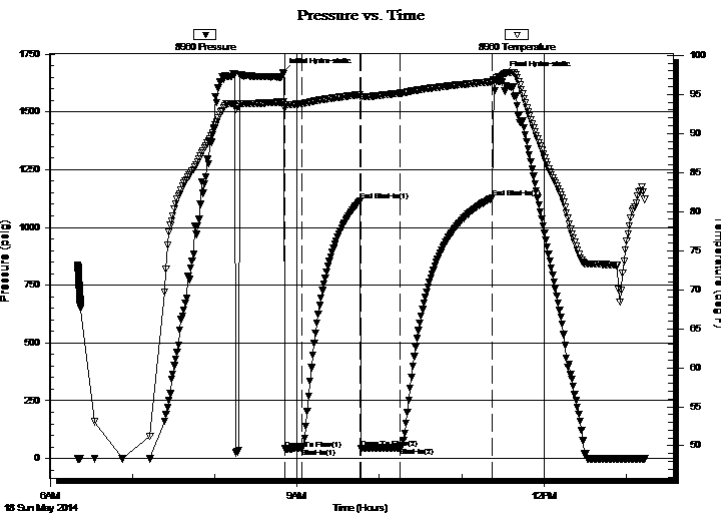
End Time:

13:13:30

Time On Btm: 2014.05.18 @ 08:49:30

Time Off Btm: 2014.05.18 @ 11:30:30

TEST COMMENT: IF: Weak blow, Built to 1/2" over 45 mins.
IS: No blow back
FF: Weak blow, Surface over 30 mins.
FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1671.00	94.05	Initial Hydro-static
2	41.62	93.23	Open To Flow (1)
14	43.03	93.82	Shut-In(1)
57	1114.98	94.96	End Shut-In(1)
57	44.54	94.54	Open To Flow (2)
86	46.71	95.15	Shut-In(2)
153	1127.44	96.64	End Shut-In(2)
161	1659.16	97.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	mud with oil specs	0.25

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58179

DST#: 3

ATTN: Bob Peterson

Test Start: 2014.05.18 @ 06:20:00

Tool Information

Drill Pipe:	Length: 3311.00 ft	Diameter: 3.80 inches	Volume: 46.44 bbl	Tool Weight: 2400.00 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: 112.00 ft	Diameter: 2.25 inches	Volume: 0.55 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 46.99 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3438.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	3483.00 ft			
Interval between Packers:	45.00 ft			
Tool Length:	289.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Shut In Tool	5.00			3413.00	
Sampler	2.00			3415.00	
Hydraulic tool	5.00			3420.00	
Jars	5.00			3425.00	
Safety Joint	3.00			3428.00	
Packer	5.00			3433.00	30.00 Bottom Of Top Packer
Packer	5.00			3438.00	
Stubb	1.00			3439.00	
Recorder	0.00	8960	Inside	3439.00	
Recorder	0.00	8673	Outside	3439.00	
Perforations	5.00			3444.00	
Change Over Sub	1.00			3445.00	
Blank Spacing	31.00			3476.00	
Change Over Sub	1.00			3477.00	
Perforations	1.00			3478.00	
Blank Off Sub	1.00			3479.00	
Blank Spacing	4.00			3483.00	45.00 Tool Interval
Packer	1.00			3484.00	
Packer - Shale	0.00			3484.00	
Recorder	0.00	8651	Below	3484.00	
Change Over Sub	1.00			3485.00	
Blank Spacing	188.00			3673.00	
Change Over Sub	1.00			3674.00	
Perforations	20.00			3694.00	
Bullnose	3.00			3697.00	214.00 Bottom Packers & Anchor

Total Tool Length: 289.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bach Production

14-1-19w Phillips,KS

PO Box 723
Alma NE 68920

Dawnby #1

Job Ticket: 58179

DST#: 3

ATTN: Bob Peterson

Test Start: 2014.05.18 @ 06:20:00

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: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 4.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	mud w ith oil specs	0.246

Total Length: 50.00 ft Total Volume: 0.246 bbl

Num Fluid Samples: 0

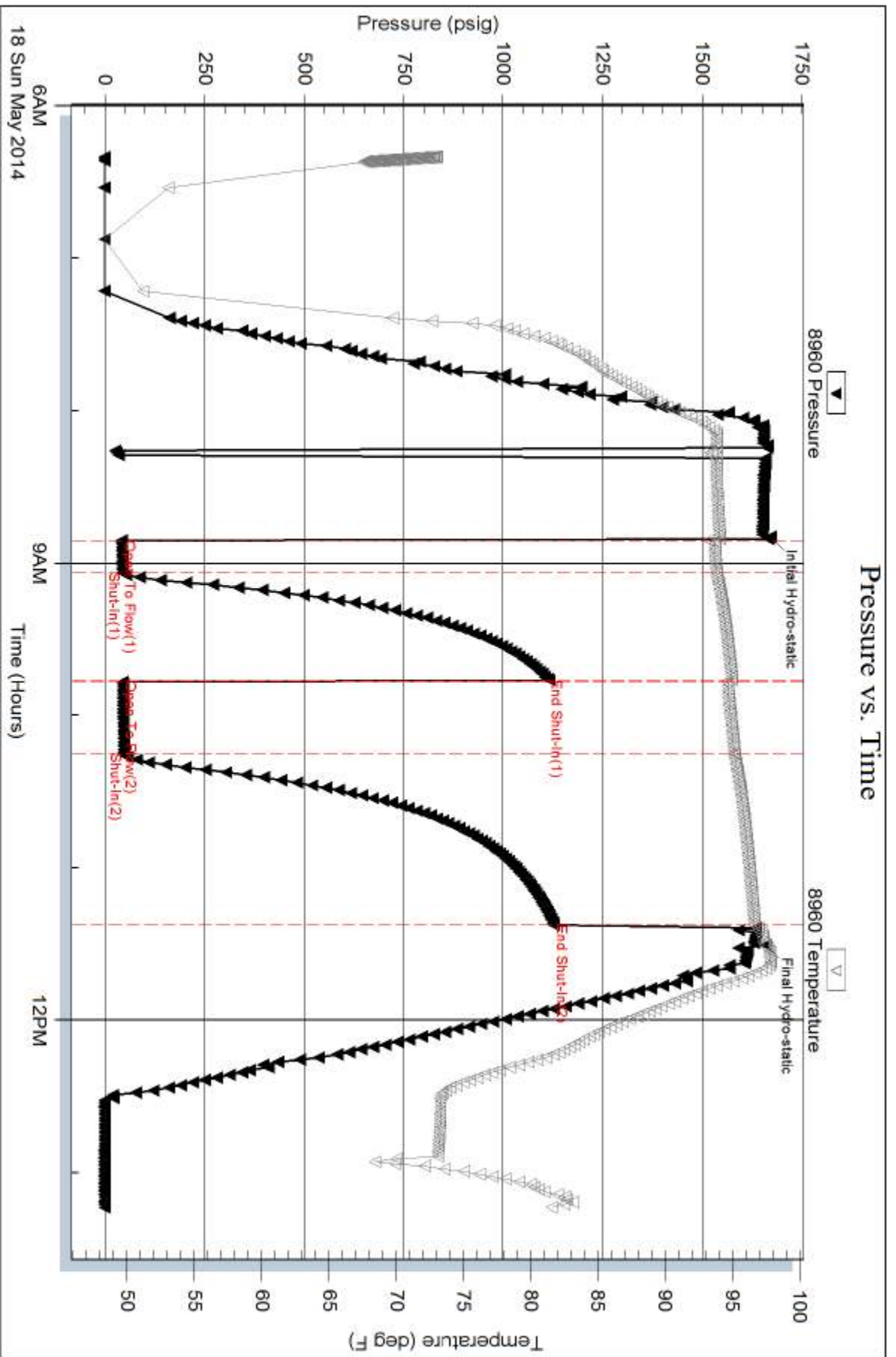
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

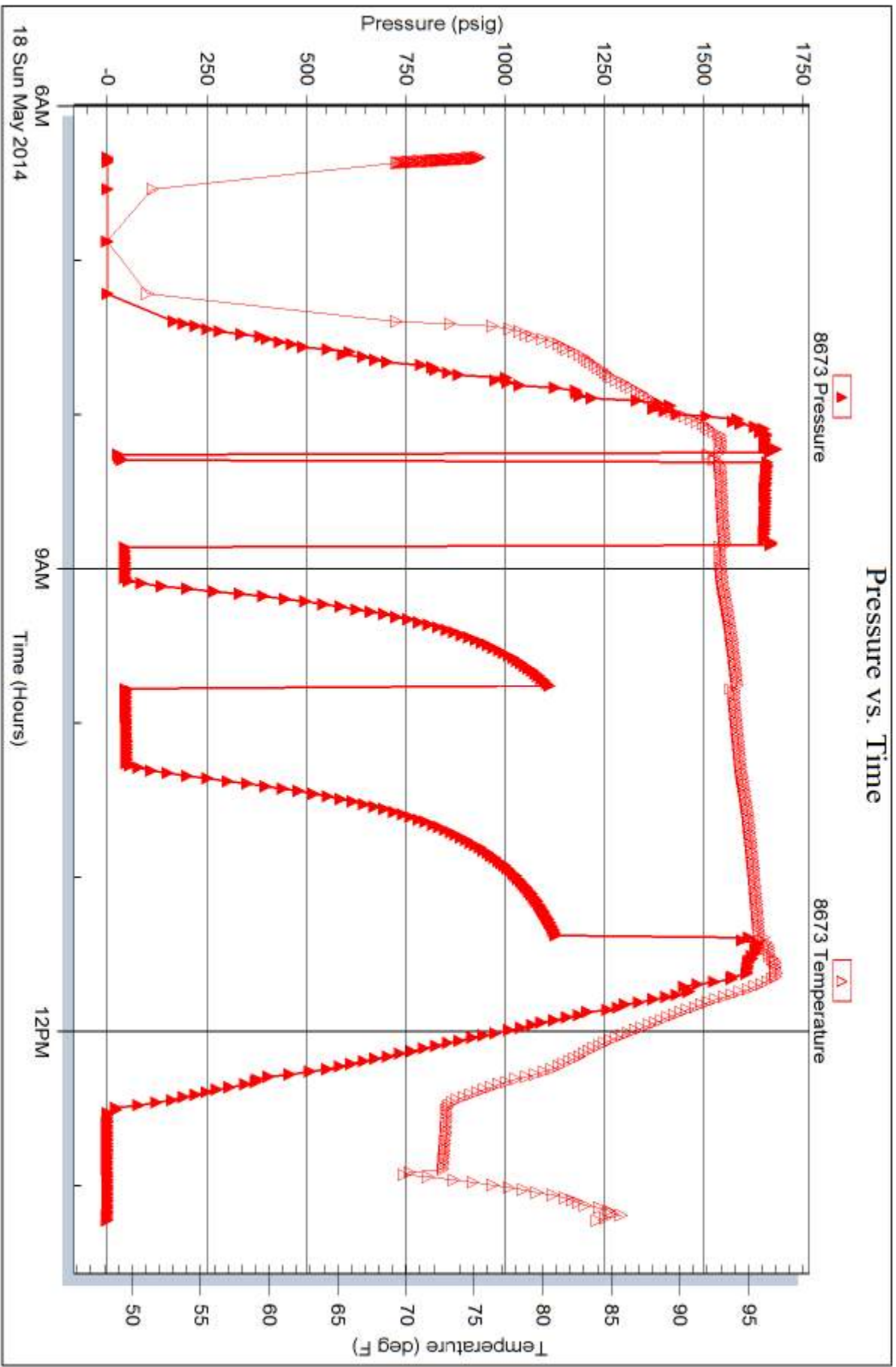


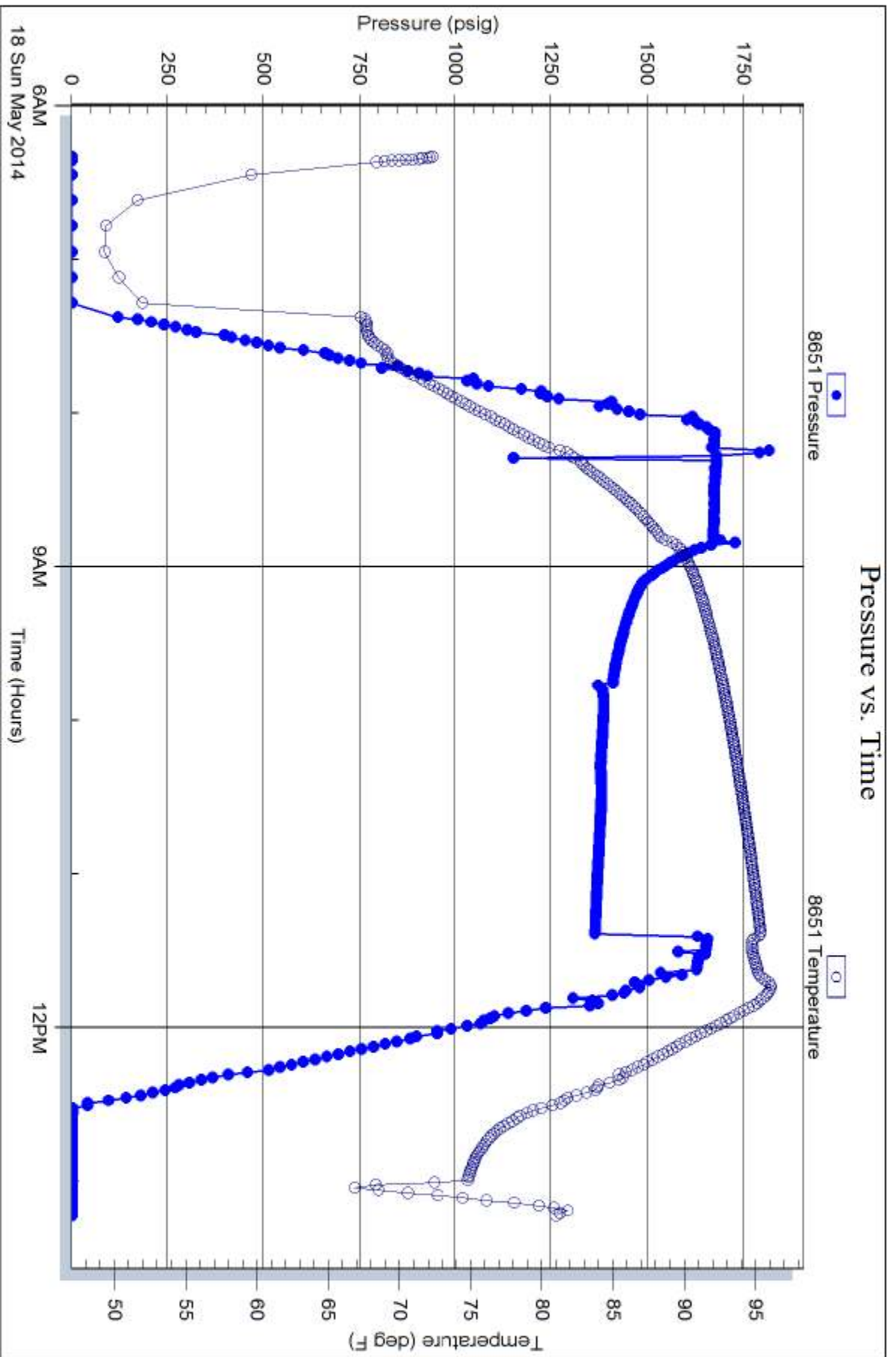
Serial #: 8673

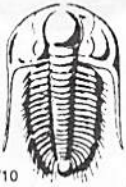
Outside Batch Production

Dawby #1

DST Test Number: 3







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 58177

Well Name & No. Dawnby #1 Test No. 1 Date 5-16-14
 Company Proppack 723 - A' Bach Production Elevation 2080 KB 2080 GL
 Address P.O. Box 723 Alma Ne. 68420
 Co. Rep / Geo. Bob Peterson Rig MURFIN #24
 Location: Sec. 14 Twp. 1 Rge. 19 W Co. Phillips State Ks.

Interval Tested 3326 3328 Zone Tested LKC
 Anchor Length 52 Drill Pipe Run 3216 Mud Wt. 8.8
 Top Packer Depth 3321 Drill Collars Run 112 Vis 69
 Bottom Packer Depth 3326 Wt. Pipe Run 0 WL 4.0
 Total Depth 3378 Chlorides 300 ppm System LCM 1#

Blow Description IF: Weak blow, Built to 3 in. over 45 mins.
ISS: No blow back
FF: Weak blow After 15 mins. Built to 1 1/4 in. over 45 mins.
FST: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>WCA with 1 ft free oil</u>			<u>40%</u>	<u>60%</u>
<u>112</u>	<u>MCW</u>			<u>70%</u>	<u>30%</u>

Rec Total 117 BHT 101 Gravity _____ API RW .32 @ 65 ° F Chlorides 19,500 ppm

(A) Initial Hydrostatic	<u>1713</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>16:20</u>
(B) First Initial Flow	<u>17</u>	<input checked="" type="checkbox"/> Jars	<u>250</u>	T-Started	<u>18:00</u>
(C) First Final Flow	<u>69</u>	<input checked="" type="checkbox"/> Safety Joint	<u>75</u>	T-Open	<u>19:55</u>
(D) Initial Shut-In	<u>873</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>23:15</u>
(E) Second Initial Flow	<u>72</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>1:03</u>
(F) Second Final Flow	<u>98</u>	<input checked="" type="checkbox"/> Mileage <u>60 x 2 = 120</u>	<u>186</u>	Comments	<u>/</u>
(G) Final Shut-In	<u>857</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1643</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	
		<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	
Initial Open	<u>45</u>	<input type="checkbox"/> Extra Packer		<input type="checkbox"/> Extra Copies	
Initial Shut-In	<u>45</u>	<input type="checkbox"/> Extra Recorder		Sub Total	<u>0</u>
Final Flow	<u>45</u>	<input type="checkbox"/> Day Standby		Total	<u>1661</u>
Final Shut-In	<u>60</u>	<input type="checkbox"/> Accessibility		MP/DST Disc't	
		Sub Total	<u>1661</u>		

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. 58178

Well Name & No. Dawnby #1 Test No. 2 Date 5-17-14
 Company Bach Productions Elevation 2085 KB 2080 GL
 Address P.O. Box 723 Alma Ne. 68920
 Co. Rep / Geo. Bob Peterson Rig Murfm #24
 Location: Sec. 14 Twp. 1 Rge. 19w Co. Phillips State KS

Interval Tested 3445 3540 Zone Tested LKC
 Anchor Length 95 Drill Pipe Run 3315 Mud Wt. 8.8
 Top Packer Depth 3440 Drill Collars Run 112 Vis 69
 Bottom Packer Depth 3445 Wt. Pipe Run -0- WL 4.0
 Total Depth 3540 Chlorides 300 ppm System LCM 1#

Blow Description IF: strong blow, Built to B.O.B in 30 secs.

ISI: No blow back

FF: strong blow, Built to B.O.B in 30 secs.

Fsi: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>603</u>	<u>water</u>			<u>90%</u>	<u>10%</u>
<u>310</u>	<u>mcw</u>			<u>70%</u>	<u>30%</u>
<u>121</u>	<u>mcw</u>			<u>20%</u>	<u>80%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1043 BHT 107 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1704</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>18:00</u>
(B) First Initial Flow <u>228</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:30</u>
(C) First Final Flow <u>495</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>19:40</u>
(D) Initial Shut-In <u>112A</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>22:15</u>
(E) Second Initial Flow <u>664</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>00:24</u>
(F) Second Final Flow <u>721</u>	<input checked="" type="checkbox"/> Mileage <u>60x2 = 120x1.55</u> 186	Comments _____
(G) Final Shut-In <u>1131</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1692</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>10</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>5</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1661</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1661</u>	

Approved By _____

Our Representative Chuck Ruppel

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. 58179

4/10

Well Name & No. Dawnby #1 Test No. 3 Date 5-18-14
 Company Buck Production Elevation 2085 KB 2080 GL
 Address P.O. Box 723 Alma Ne. 68920
 Co. Rep / Geo. Bob Peterson Rig Murphy #24
 Location: Sec. 14 Twp. 1 Rge. 19W Co. Phillips State KS

Interval Tested 3438 3483 Zone Tested LRL-E45
 Anchor Length 45 Drill Pipe Run 3311 Mud Wt. 8.8
 Top Packer Depth 3433 Drill Collars Run 112 Vis 69
 Bottom Packer Depth 3483 Wt. Pipe Run 0 WL 4.0
 Total Depth 3540 Chlorides 300 ppm System LCM 1#

Blow Description IF: weak blow, built to 1/2 in. over 45 mins.
ISI: No blow back
FF: weak surface blow
FSD: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>mud with oil specs</u>				

Rec Total 50 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1671</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>5-17-14</u> <u>18:00</u>
(B) First Initial Flow <u>41</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>6:20</u>
(C) First Final Flow <u>43</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>8:51</u>
(D) Initial Shut-In <u>1115</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>11:15</u>
(E) Second Initial Flow <u>45</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>13:13</u>
(F) Second Final Flow <u>47</u>	<input checked="" type="checkbox"/> Mileage <u>186</u>	Comments _____
(G) Final Shut-In <u>1127</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1654</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>2261</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2261</u>	

Approved By _____ Our Representative Chad Hays

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