



DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil**

Po Box 641
Hays KS 67601

ATTN: Jeff Lawler

KS Brand #2

22-5s-21w Norton KS

Start Date: 2015.06.12 @ 15:40:00

End Date: 2015.06.12 @ 19:50:45

Job Ticket #: 62714 DST #: 1

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

Printed: 2015.06.15 @ 11:20:48



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Black Diamond Oil

22-5s-21w Norton KS

Po Box 641
Hays KS 67601

KS Brand #2

Job Ticket: 62714

DST#: 1

ATTN: Jeff Lawler

Test Start: 2015.06.12 @ 15:40:00

GENERAL INFORMATION:

Formation: **Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 19:50:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3583.00 ft (KB) To 3594.00 ft (KB) (TVD)

Reference Elevations: 2154.00 ft (KB)

Total Depth: 3594.00 ft (KB) (TVD)

2149.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8940 Outside

Press@RunDepth: psig @ 3591.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.12

End Date: 2015.06.12

Last Calib.: 2015.06.12

Start Time: 15:40:05

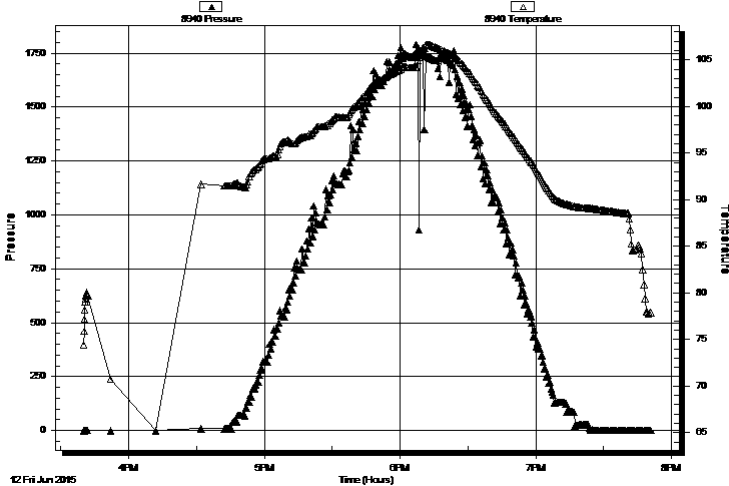
End Time: 19:50:45

Time On Btm:

Time Off Btm:

TEST COMMENT: Opened tool, packer failure. bled pressure. tried again. packer failure. Pulled tool.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
217.00	Mud, 100%M	1.95

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil

22-5s-21w Norton KS

Po Box 641
Hays KS 67601

KS Brand #2

Job Ticket: 62714

DST#: 1

ATTN: Jeff Lawler

Test Start: 2015.06.12 @ 15:40:00

Tool Information

Drill Pipe:	Length: 3462.00 ft	Diameter: 3.80 inches	Volume: 48.56 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: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 39000.00 lb
			<u>Total Volume: 49.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3583.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	31.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3564.00	
Shut In Tool	5.00			3569.00	
Hydraulic tool	5.00			3574.00	
Packer	5.00			3579.00	20.00 Bottom Of Top Packer
Packer	4.00			3583.00	
Stubb	1.00			3584.00	
Anchor	7.00			3591.00	
Recorder	0.00	8648	Inside	3591.00	
Recorder	0.00	8940	Outside	3591.00	
Bullnose	3.00			3594.00	11.00 Bottom Packers & Anchor
Total Tool Length:	31.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil

22-5s-21w Norton KS

Po Box 641
Hays KS 67601

KS Brand #2

Job Ticket: 62714

DST#: 1

ATTN: Jeff Lawler

Test Start: 2015.06.12 @ 15:40:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 250.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
217.00	Mud, 100%M	1.951

Total Length: 217.00 ft Total Volume: 1.951 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

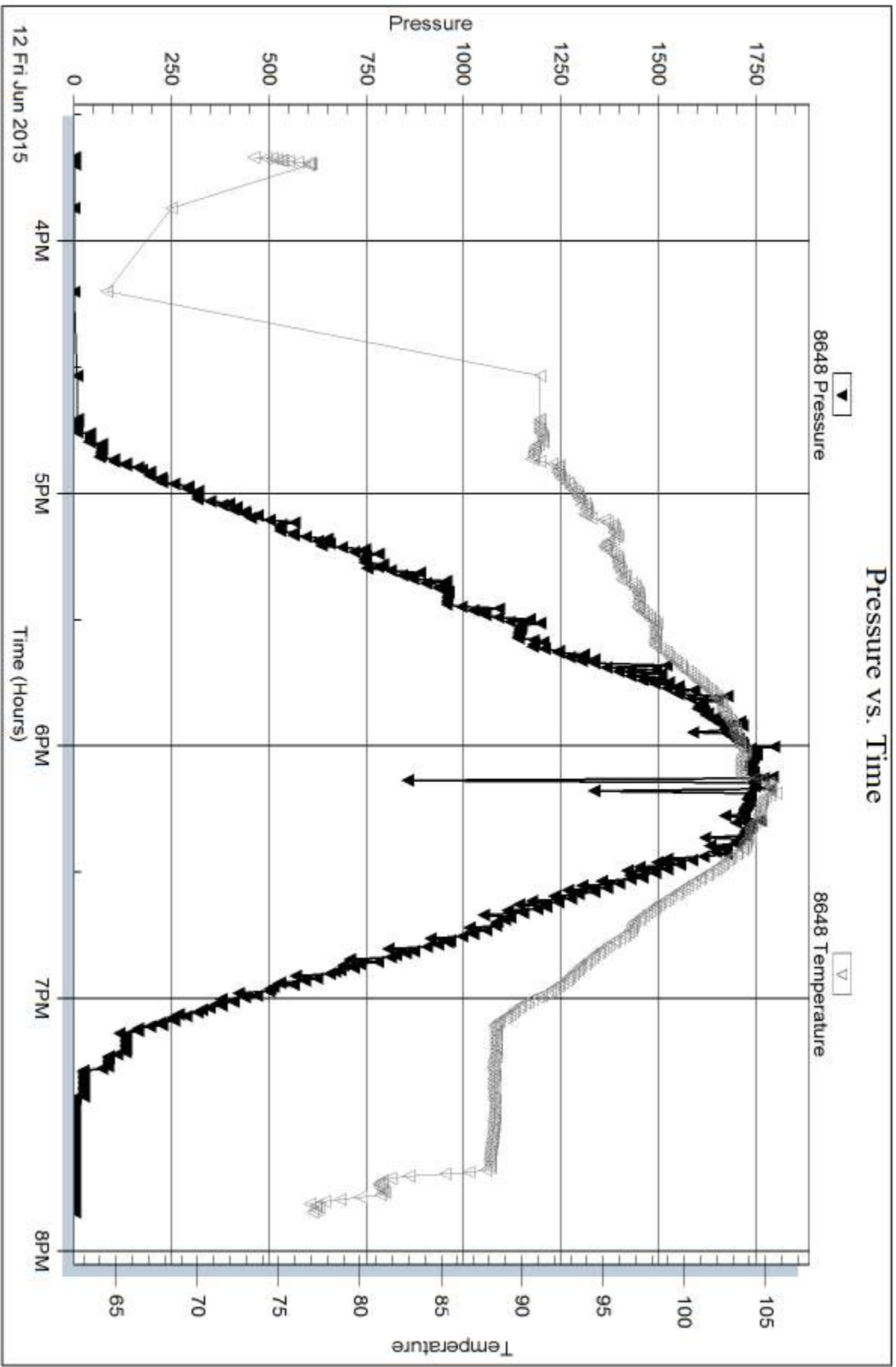
Serial #: 8648

Inside

Black Diamond Oil

KS Brand #2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 62714

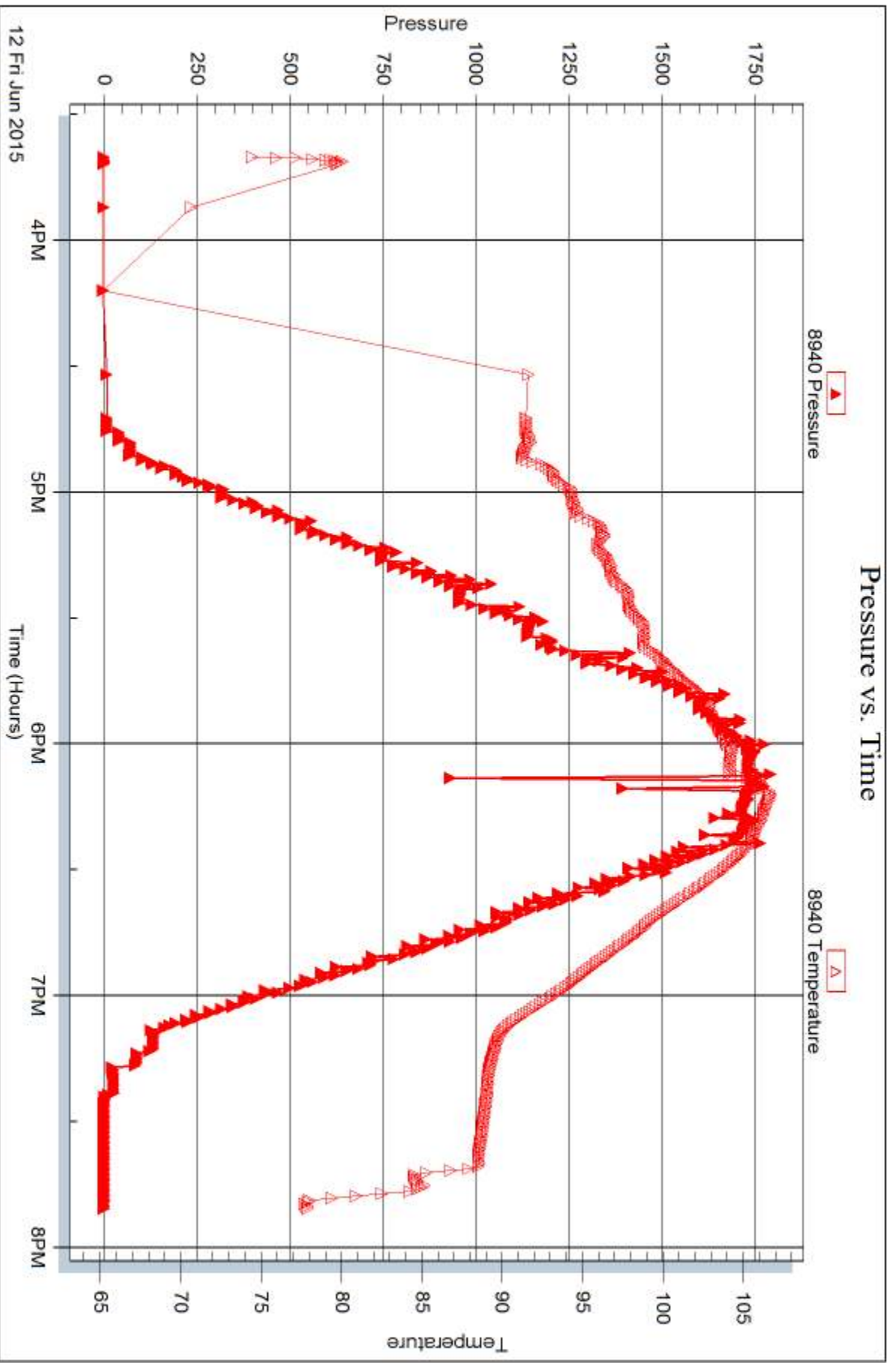
Printed: 2015.06.15 @ 11:20:49

Serial #: 8940

Outside Black Diamond Oil

KS Brand #2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil**

Po Box 641
Hays KS 67601

ATTN: Jeff Lawler

KS Brand #2

22-5s-21w Norton KS

Start Date: 2015.06.12 @ 20:03:00

End Date: 2015.06.13 @ 02:11:15

Job Ticket #: 62716 DST #: 2

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

Printed: 2015.06.15 @ 11:19:52



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Black Diamond Oil

22-5s-21w Norton KS

Po Box 641
Hays KS 67601

KS Brand #2

Job Ticket: 62716

DST#: 2

ATTN: Jeff Lawler

Test Start: 2015.06.12 @ 20:03:00

GENERAL INFORMATION:

Formation: **Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:45:15

Time Test Ended: 02:11:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3565.00 ft (KB) To 3594.00 ft (KB) (TVD)

Reference Elevations: 2154.00 ft (KB)

Total Depth: 3594.00 ft (KB) (TVD)

2149.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8648 Inside

Press@RunDepth: 20.83 psig @ 3591.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.12

End Date:

2015.06.13

Last Calib.:

2015.06.13

Start Time: 20:03:05

End Time:

02:11:14

Time On Btm:

2015.06.12 @ 21:45:00

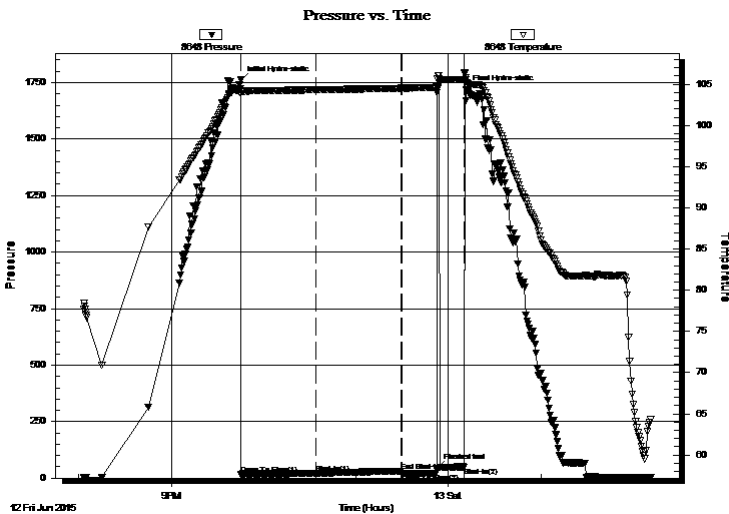
Time Off Btm:

2015.06.13 @ 00:11:30

TEST COMMENT: 45 - IF- 1" blow , died at 29 minutes

60 - IS- No return

40 - FF- No blow for 30 minutes, flushed tool, surged and died. waited 10 minutes and pulled.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1760.62	104.51	Initial Hydro-static
1	17.03	103.89	Open To Flow (1)
49	20.83	104.32	Shut-In(1)
105	31.64	104.51	End Shut-In(1)
105	20.68	104.51	Open To Flow (2)
128	41.25	104.65	Flushed tool
146	49.11	105.53	Shut-In(2)
147	1718.95	105.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Mud, 100%M	1.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil

22-5s-21w Norton KS

Po Box 641
Hays KS 67601

KS Brand #2

Job Ticket: 62716

DST#: 2

ATTN: Jeff Lawler

Test Start: 2015.06.12 @ 20:03:00

Tool Information

Drill Pipe:	Length: 3431.00 ft	Diameter: 3.80 inches	Volume: 48.13 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: 30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 39000.00 lb
			<u>Total Volume: 48.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3565.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3546.00	
Shut In Tool	5.00			3551.00	
Hydraulic tool	5.00			3556.00	
Packer	5.00			3561.00	20.00 Bottom Of Top Packer
Packer	4.00			3565.00	
Stubb	1.00			3566.00	
Anchor	25.00			3591.00	
Recorder	0.00	8648	Inside	3591.00	
Recorder	0.00	8940	Outside	3591.00	
Bullnose	3.00			3594.00	29.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil

22-5s-21w Norton KS

Po Box 641
Hays KS 67601

KS Brand #2

Job Ticket: 62716

DST#: 2

ATTN: Jeff Lawler

Test Start: 2015.06.12 @ 20:03:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 250.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	Mud, 100%M	1.011

Total Length: 150.00 ft

Total Volume: 1.011 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

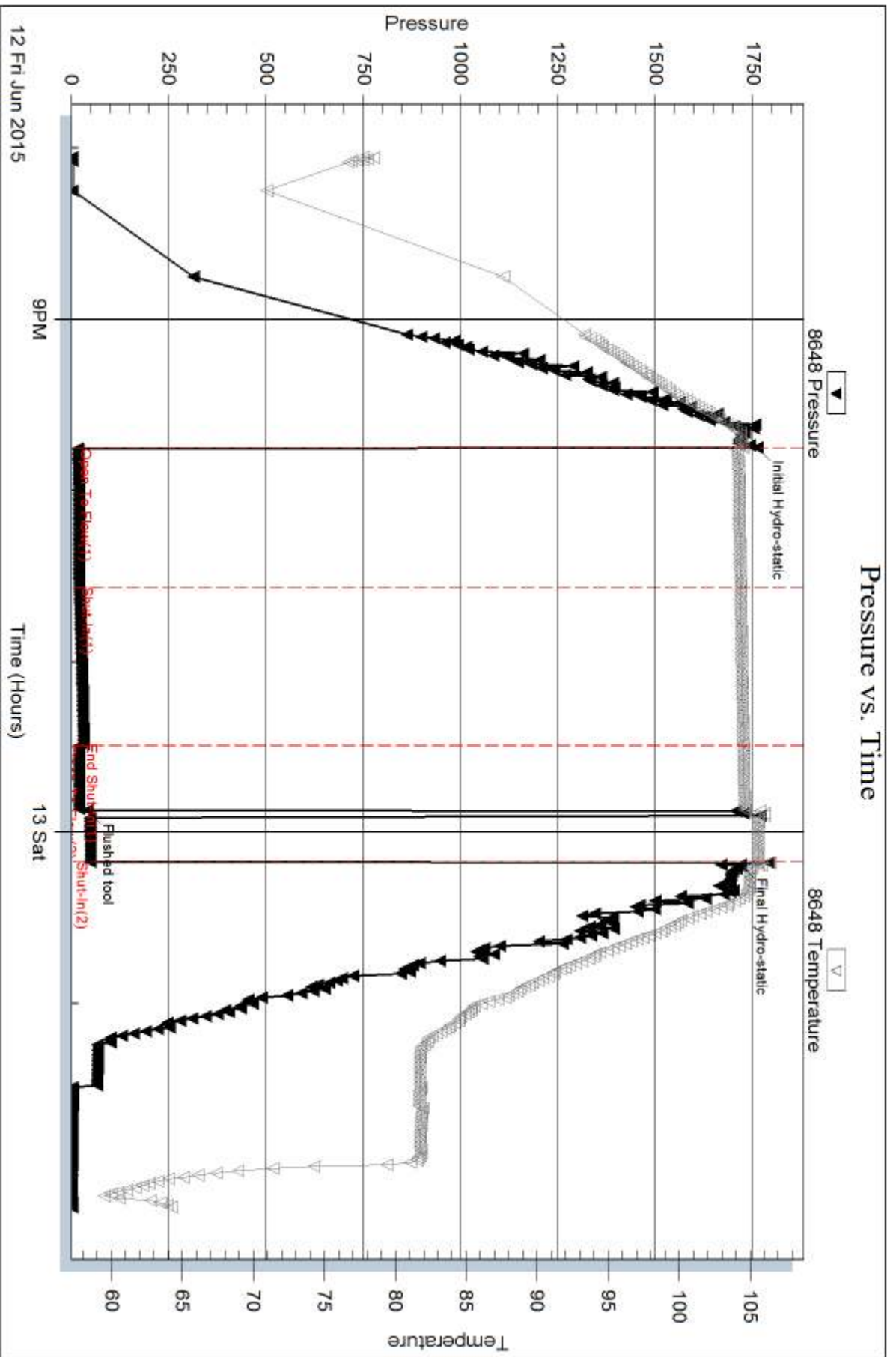
Serial #: 8648

Inside

Black Diamond Oil

KS Brand #2

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 62716

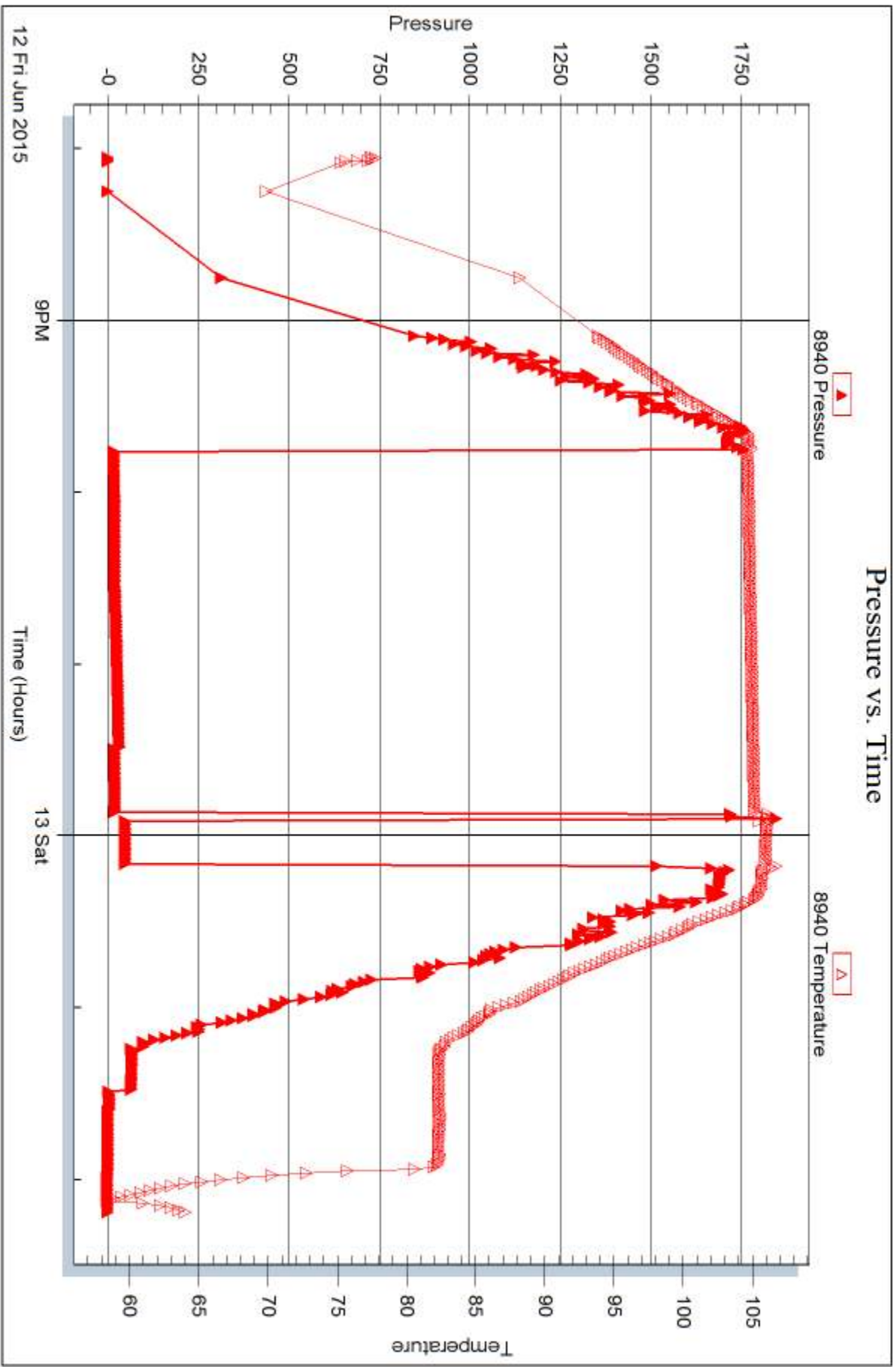
Printed: 2015.06.15 @ 11:19:53

Serial #: 8940

Outside Black Diamond Oil

KS Brand #2

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 62716

Printed: 2015.06.15 @ 11:19:54



DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil**

Po Box 641
Hays KS 67601

ATTN: Jeff Lawler

KS Brand #2

22-5s-21w Norton KS

Start Date: 2015.06.13 @ 09:43:00

End Date: 2015.06.13 @ 16:02:30

Job Ticket #: 62717 DST #: 3

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

Printed: 2015.06.15 @ 11:19:40



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Black Diamond Oil

22-5s-21w Norton KS

Po Box 641
Hays KS 67601

KS Brand #2

Job Ticket: 62717

DST#: 3

ATTN: Jeff Lawler

Test Start: 2015.06.13 @ 09:43:00

GENERAL INFORMATION:

Formation: **Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:41:45

Time Test Ended: 16:02:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Cody Bloedorn

Unit No: 73

Interval: 3565.00 ft (KB) To 3601.00 ft (KB) (TVD)

Reference Elevations: 2154.00 ft (KB)

Total Depth: 3601.00 ft (KB) (TVD)

2149.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8648

Inside

Press@RunDepth: 963.89 psig @ 3598.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.06.13

End Date:

2015.06.13

Last Calib.:

2015.06.13

Start Time: 09:43:05

End Time:

16:02:29

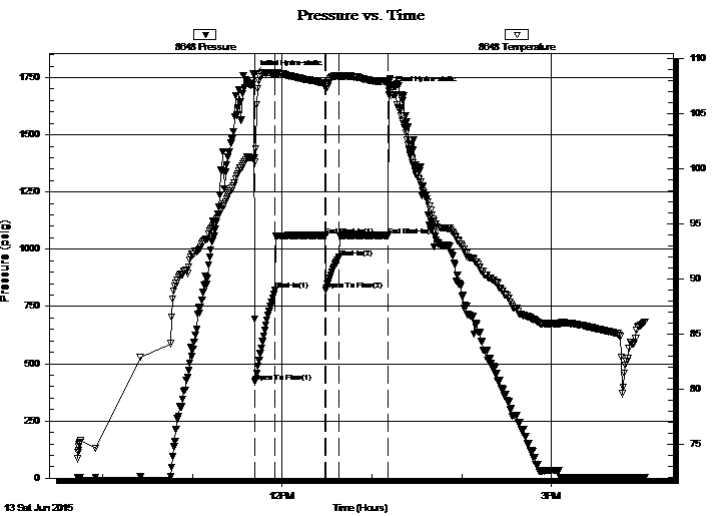
Time On Btm:

2015.06.13 @ 11:41:15

Time Off Btm:

2015.06.13 @ 13:11:15

TEST COMMENT: 15 - IF- B.O.B. in 1 minute
30 - IS- No return
15 - FF- B.O.B. in 1 minute
30 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1762.51	100.97	Initial Hydro-static
1	420.94	100.54	Open To Flow (1)
14	820.00	108.59	Shut-In(1)
48	1059.63	107.73	End Shut-In(1)
48	822.29	107.57	Open To Flow (2)
57	963.89	108.35	Shut-In(2)
90	1060.92	107.71	End Shut-In(2)
90	1692.88	107.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1178.00	MW, 20%M, 80%W	15.43
434.00	WM, 30%W, 70%M	6.09
279.00	WM, 10%W, 90%M	3.91
0.00	Oil spots in tool	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil

22-5s-21w Norton KS

Po Box 641
Hays KS 67601

KS Brand #2

Job Ticket: 62717

DST#: 3

ATTN: Jeff Lawler

Test Start: 2015.06.13 @ 09:43:00

Tool Information

Drill Pipe:	Length: 3431.00 ft	Diameter: 3.80 inches	Volume: 48.13 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:	30000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	49000.00 lb
			<u>Total Volume: 48.72 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	35000.00 lb
Depth to Top Packer:	3565.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3546.00	
Shut In Tool	5.00			3551.00	
Hydraulic tool	5.00			3556.00	
Packer	5.00			3561.00	20.00 Bottom Of Top Packer
Packer	4.00			3565.00	
Stubb	1.00			3566.00	
Anchor	32.00			3598.00	
Recorder	0.00	8648	Inside	3598.00	
Recorder	0.00	8940	Outside	3598.00	
Bullnose	3.00			3601.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil

22-5s-21w Norton KS

Po Box 641
Hays KS 67601

KS Brand #2

Job Ticket: 62717

DST#: 3

ATTN: Jeff Lawler

Test Start: 2015.06.13 @ 09:43:00

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:

41000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 750.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1178.00	MW, 20%M, 80%W	15.431
434.00	WM, 30%W, 70%M	6.088
279.00	WM, 10%W, 90%M	3.914
0.00	Oil spots in tool	0.000

Total Length: 1891.00 ft Total Volume: 25.433 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .12 @ 80 degrees = 41000

Serial #: 8648

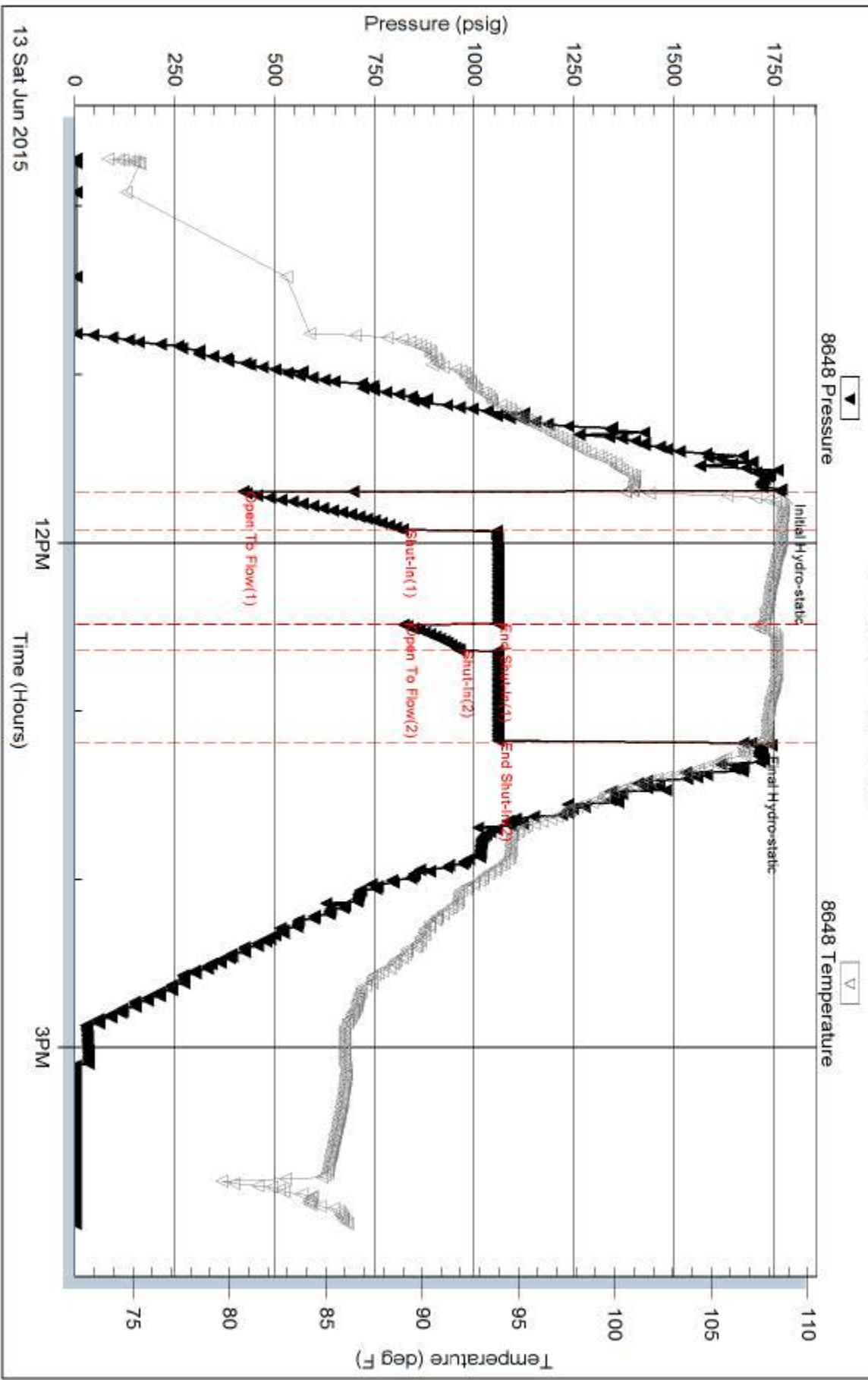
Inside

Black Diamond Oil

KS Brand #2

DST Test Number: 3

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 62717

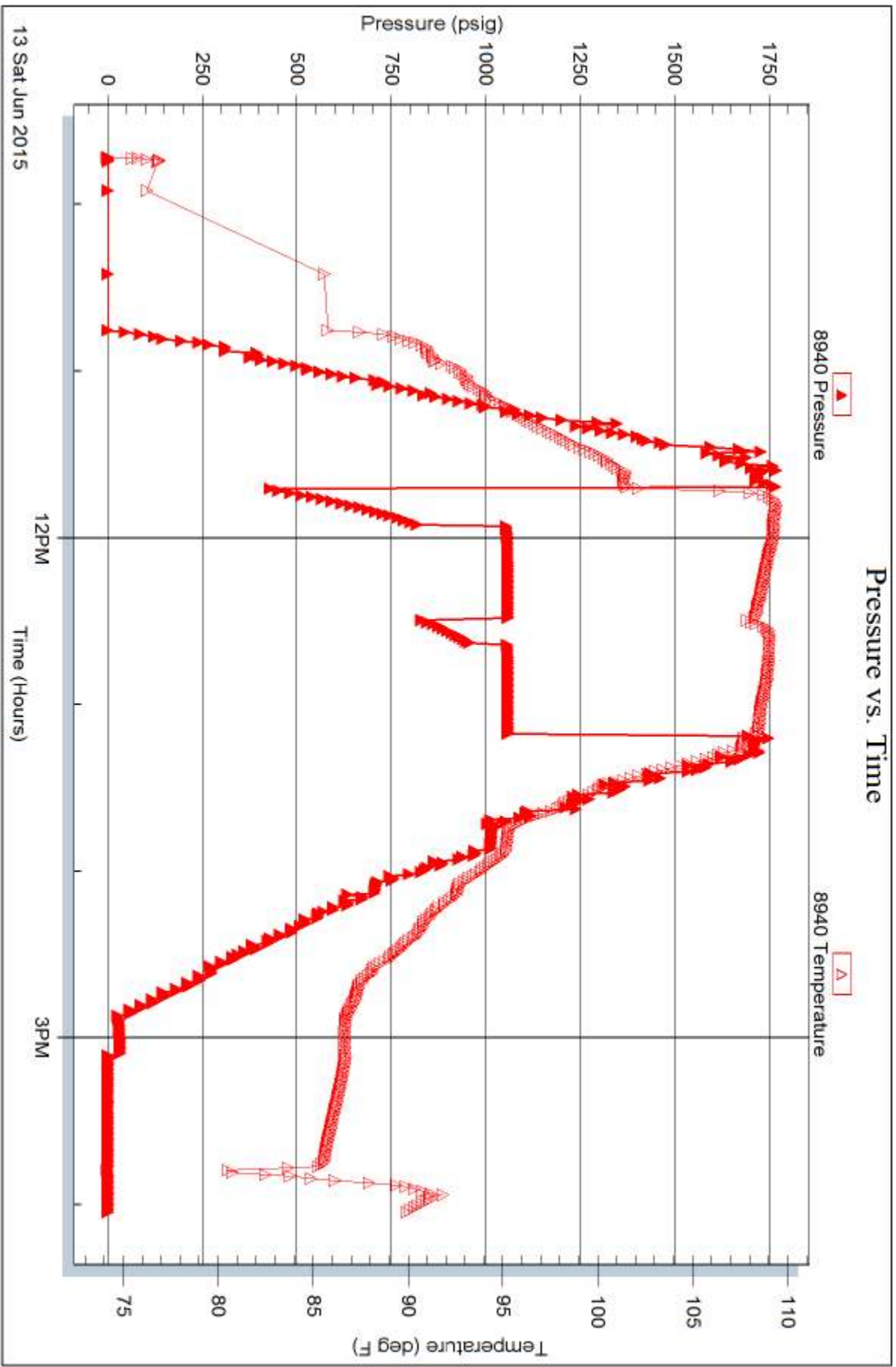
Printed: 2015.06.15 @ 11:19:41

Serial #: 8940

Outside Black Diamond Oil

KS Brand #2

DST Test Number: 3



13 Sat Jun 2015

12PM

Time (Hours)

3PM



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 62714

Well Name & No. KS Brand #2 Test No. 1 Date 6-12-15
 Company Black Diamond Oil Elevation 2154 KB 2189 GL
 Address Po Box 641, Hays KS, 67601
 Co. Rep / Geo. Jeff Lawler Rig WW6
 Location: Sec. 22 Twp. 55 Rge. 21W Co. Norton State KS

Interval Tested 3583-3594 Zone Tested Sand
 Anchor Length 11' Drill Pipe Run 3462 Mud Wt. 8.8
 Top Packer Depth 3578 Drill Collars Run 120' Vis 52
 Bottom Packer Depth 3583 Wt. Pipe Run — WL 8
 Total Depth 3594 Chlorides 250 ppm System LCM 2#
 Blow Description IF- Open tool. Packer failure, bled pressure.
ISI - tried again. Packer failure
FF - pulled tool
FSI -

Rec	Feet of	%gas	%oil	%water	%mud
<u>217</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 217 BHT _____ Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic Test 850 T-On Location 1511
 (B) First Initial Flow Jars _____ T-Started 1540
 (C) First Final Flow Safety Joint _____ T-Open 1816
 (D) Initial Shut-In Circ Sub _____ T-Pulled 1818
 (E) Second Initial Flow Hourly Standby _____ T-Out 1953
 (F) Second Final Flow Mileage 180RT 131 Comments _____
 (G) Final Shut-In Sampler _____
 (H) Final Hydrostatic Straddle _____
 Shale Packer X2 500
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1481

Initial Open _____
 Initial Shut-In _____
 Final Flow _____
 Final Shut-In _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1481
 MP/DST Disc't _____

Approved By _____ Our Representative Cody Black

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. 62716

Well Name & No. KS Brand #2 Test No. 2 Date 6-12-15
 Company Black Diamond Oil Elevation 2154 KB 2149 GL
 Address Po box 641, Hays ks. 67601
 Co. Rep / Geo. Jeff Lawler Rig WW6
 Location: Sec. 22 Twp. 55 Rge. 21w Co. Norton State KS

Interval Tested 3565-3594 Zone Tested Sand
 Anchor Length 29' Drill Pipe Run 3431 Mud Wt. 8.8
 Top Packer Depth 3560 Drill Collars Run 120' Vis 52
 Bottom Packer Depth 3565 Wt. Pipe Run — WL 8
 Total Depth 3594 Chlorides 250 ppm System LCM 2#
 Blow Description IF- 1" blow, died completely in 29 minutes
ISI- No return
FF- No blow 30 min. Flushed tool, surged & died waited
FSI- 10 minutes & pulled

Rec	Feet of	%gas	%oil	%water	%mud
<u>150</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 150' BHT 105° Gravity — API RW — @ —° F Chlorides — ppm
 Test 1955
 Jars 2003
 Safety Joint 2145
 Circ Sub 1210
 Hourly Standby 0211
 Mileage 180RT
 Sampler
 Straddle
 Shale Packer X2 500
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1550
 T-On Location 1955
 T-Started 2003
 T-Open 2145
 T-Pulled 1210
 T-Out 0211
 Comments
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1550
 MP/DST Disc't

Approved By _____ Our Representative Cody Blad

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. 62717

Well Name & No. KS Brand #2 Test No. 3 Date 6-13-15
 Company Black Diamond Oil Elevation 2154 KB 2149 GL
 Address Po Box 641, Hays KS, 67601
 Co. Rep / Geo. Jeff Lawler Rig WW6
 Location: Sec. 22 Twp. 55 Rge. 21W Co. Norton State KS

Interval Tested 3565-3601 Zone Tested Sand
 Anchor Length 36' Drill Pipe Run 3431' Mud Wt. 9.3
 Top Packer Depth 3560 Drill Collars Run 120' Vis 51
 Bottom Packer Depth 3565 Wt. Pipe Run — WL 8
 Total Depth 3601 Chlorides 750 ppm System LCM 2#
 Blow Description IF - B.O.B. in 1 minute
ISI - No return
FF - B.O.B. in 1 minute
FSI - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>1178</u>			<u>80</u>	<u>20</u>	
<u>434</u>			<u>30</u>	<u>70</u>	
<u>279</u>			<u>10</u>	<u>90</u>	
	<u>Oil in tool</u>				

Rec Total 1891' BHT 107° Gravity — API RW .12 @ 83° F Chlorides 41,000 ppm

(A) Initial Hydrostatic <u>1762</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>0926</u>
(B) First Initial Flow <u>420</u>	<input type="checkbox"/> Jars	T-Started <u>0943</u>
(C) First Final Flow <u>820</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1139</u>
(D) Initial Shut-In <u>1059</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1309</u>
(E) Second Initial Flow <u>822</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1603</u>
(F) Second Final Flow <u>963</u>	<input checked="" type="checkbox"/> Mileage <u>180RT x2</u> <u>131+131</u>	Comments <u>Loaded tools</u>
(G) Final Shut-In <u>1060</u>	<input type="checkbox"/> Sampler	<u>6-14-15 @ 0804</u>
(H) Final Hydrostatic <u>1692</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input checked="" type="checkbox"/> Shale Packer <u>X2</u> <u>500</u>	<input type="checkbox"/> Ruined Packer
Initial Open <u>15</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>15</u>	<input type="checkbox"/> Day Standby	Total <u>1812</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1812</u>	

Approved By _____ Our Representative Cody Black

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