



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc.
7701 E Kellogg DR STE 710
Wichita, KS 67207
ATTN: Sean Deenihan

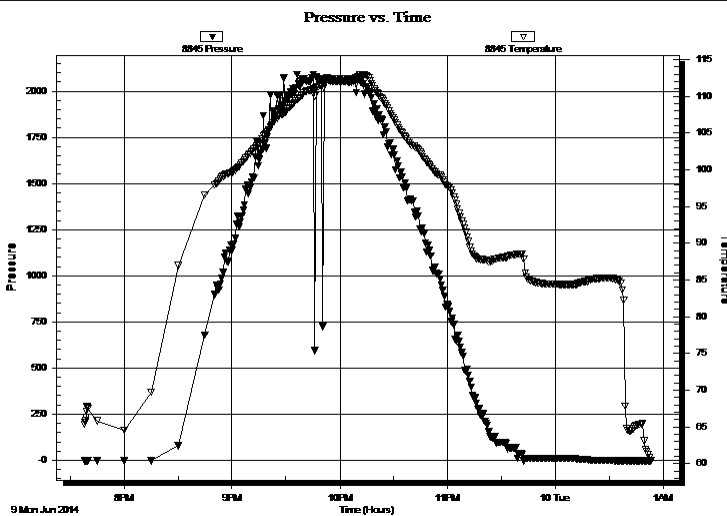
14-17s-33w Scott co.
Heyd #1-14
Job Ticket: 57335 **DST#: 1**
Test Start: 2014.06.09 @ 19:38:00

GENERAL INFORMATION:

Formation: **LCK " L "**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened:
 Tester: Samuel Esparza
 Time Test Ended: 00:52:45 Unit No: 71
 Interval: **4314.00 ft (KB) To 4374.00 ft (KB) (TVD)** Reference Elevations: 3017.00 ft (KB)
 Total Depth: 4374.00 ft (KB) (TVD) 3012.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8845 Inside
 Press@RunDepth: psig @ 4315.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.09 End Date: 2014.06.10 Last Calib.: 2014.06.10
 Start Time: 19:38:05 End Time: 00:52:44 Time On Btm:
 Time Off Btm:

TEST COMMENT: PACKER FAILURE.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
240.00	Mud 100m	2.25

Gas Rates

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



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TESTING, INC.**

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FLUID SUMMARY

Red Oak Energy, Inc.

14-17s-33w Scott co.

7701 E Kellogg DR STE 710
Wichita, KS 67207

Heyd #1-14

Job Ticket: 57335

DST#: 1

ATTN: Sean Deenihan

Test Start: 2014.06.09 @ 19:38:00

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: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	Mud 100m	2.246

Total Length: 240.00 ft Total Volume: 2.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

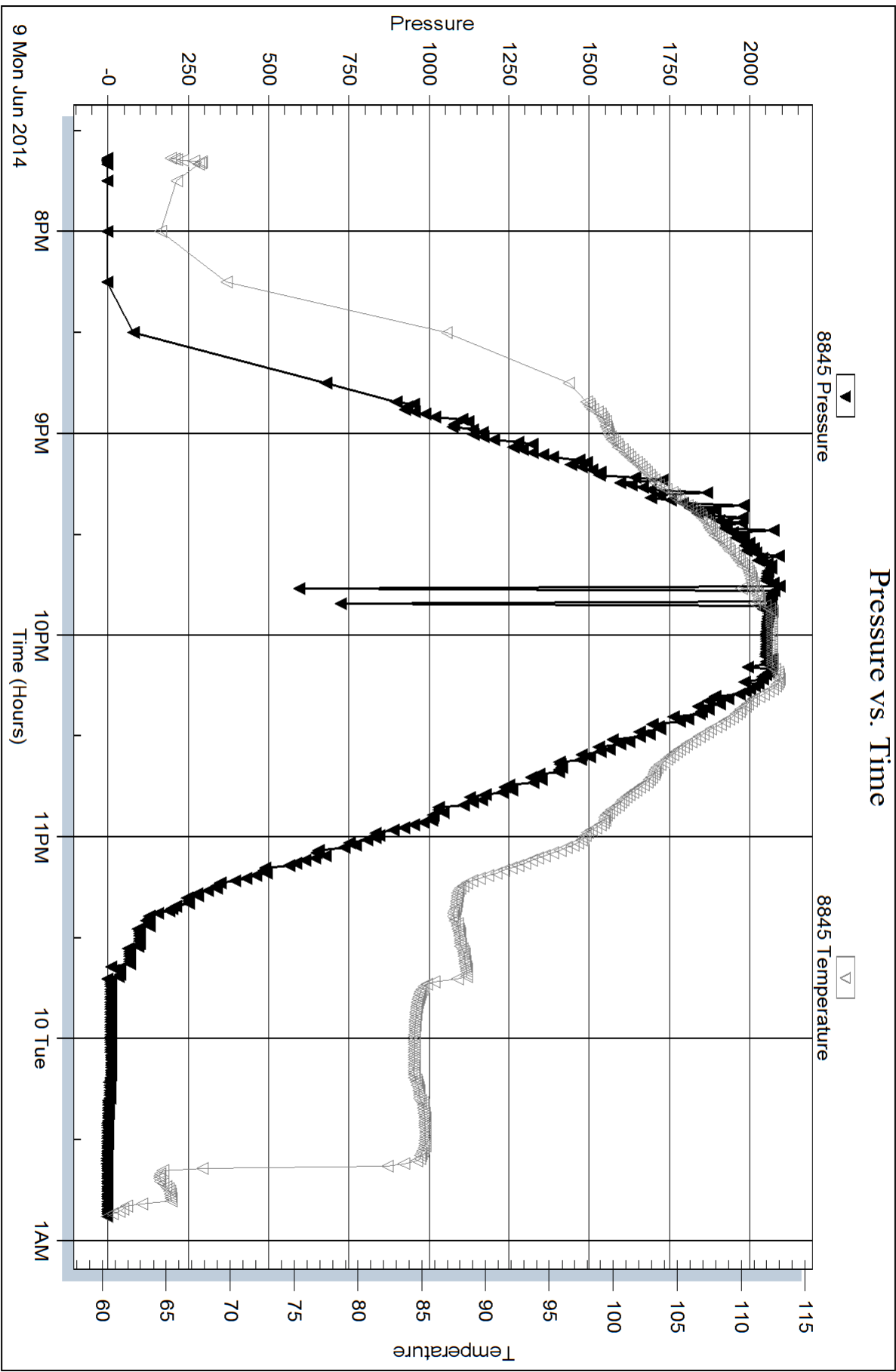
Serial #: 8845

Inside

Red Oak Energy, Inc.

Heyd #1-14

DST Test Number: 1





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc.
 7701 E Kellogg DR STE 710
 Wichita, KS 67207
 ATTN: Sean Deenihan

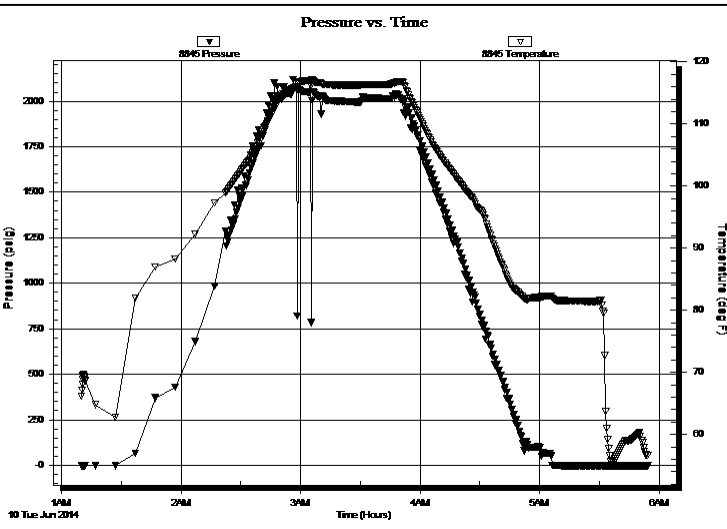
14-17s-33w Scott co.
Heyd #1-14
 Job Ticket: 57336 **DST#: 2**
 Test Start: 2014.06.10 @ 01:10:00

GENERAL INFORMATION:

Formation:	LKC " L "		Test Type:	Conventional Bottom Hole (Reset)	
Deviated:	No	Whipstock:	ft (KB)	Tester:	Samuel Esparza
Time Tool Opened:			Unit No:	71	
Time Test Ended:	05:54:15		Reference Elevations:	3017.00	ft (KB)
Interval:	4286.00 ft (KB) To 4374.00 ft (KB) (TVD)			3012.00	ft (CF)
Total Depth:	4374.00 ft (KB) (TVD)		KB to GR/CF:	5.00 ft	
Hole Diameter:	7.88 inches		Hole Condition:	Good	

Serial #: 8845	Inside	Press @ Run Depth:	psig @ 4287.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2014.06.10	End Date:	2014.06.10	Last Calib.:	2014.06.10
Start Time:	01:10:05	End Time:	05:54:14	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: PACKER FAILURE.



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

Recovery		
Length (ft)	Description	Volume (bbl)
	Mud 100m	2.25

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

14-17s-33w Scott co.

7701 E Kellogg DR STE 710
Wichita, KS 67207

Heyd #1-14

Job Ticket: 57336

DST#: 2

ATTN: Sean Deenihan

Test Start: 2014.06.10 @ 01:10:00

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: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
	Mud 100m	2.246

Total Length: ft Total Volume: 2.246 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

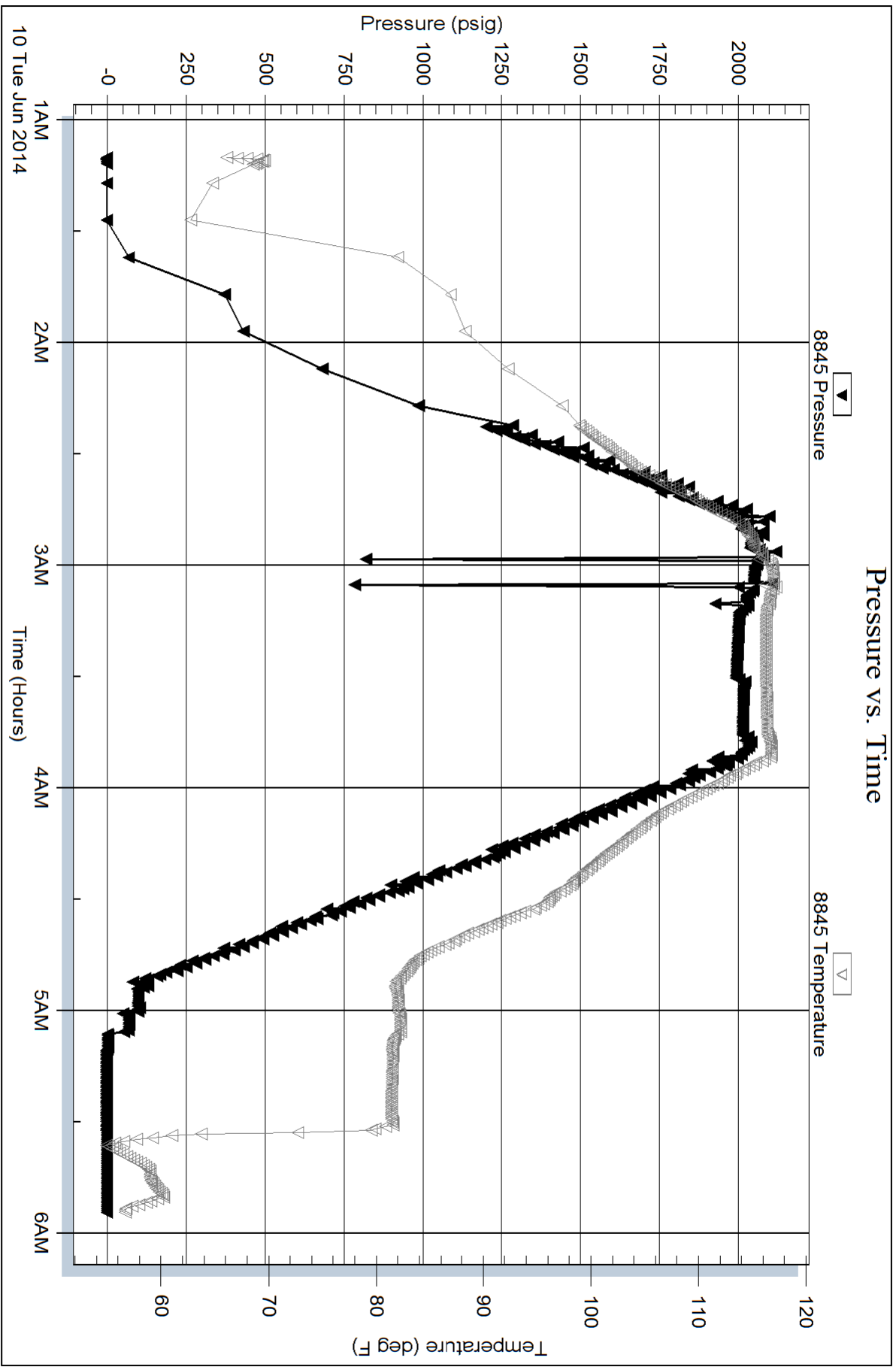
Serial #: 8845

Inside

Red Oak Energy, Inc.

Heyd #1-14

DST Test Number: 2





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DRILL STEM TEST REPORT

Red Oak Energy, Inc.
 7701 E Kellogg DR STE 710
 Wichita, KS 67207
 ATTN: Sean Deenihan

14-17s-33w Scott co.
Heyd #1-14
 Job Ticket: 57337 **DST#: 3**
 Test Start: 2014.06.10 @ 15:09:00

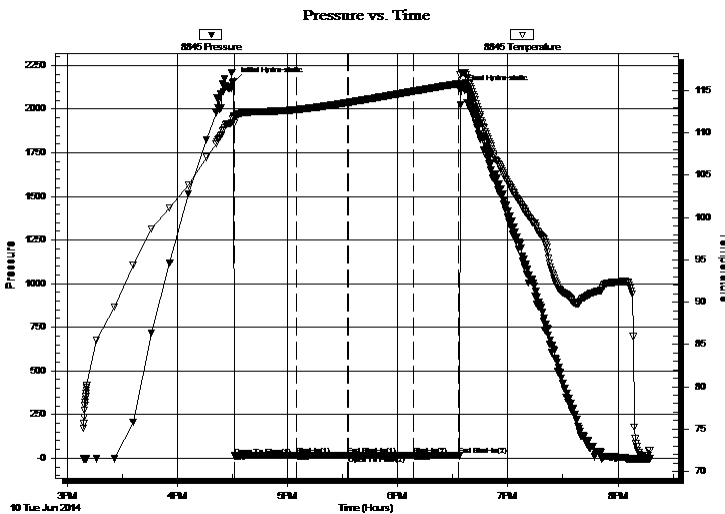
GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:31:15
 Time Test Ended: 20:17:30
 Interval: **4410.00 ft (KB) To 4428.00 ft (KB) (TVD)**
 Total Depth: 4428.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Samuel Esparza
 Unit No: 71
 Reference Elevations: 3017.00 ft (KB)
 3012.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8845 Outside
 Press @ Run Depth: 15.31 psig @ 4411.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.10 End Date: 2014.06.10 Last Calib.: 2014.06.10
 Start Time: 15:09:05 End Time: 20:17:29 Time On Btm: 2014.06.10 @ 16:31:00
 Time Off Btm: 2014.06.10 @ 18:34:00

TEST COMMENT: IF: Weak Surface Blow .
 IS: No Return.
 FF: No Blow .
 FSI: No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2157.37	112.03	Initial Hydro-static
1	13.91	111.18	Open To Flow (1)
34	15.51	112.76	Shut-In(1)
62	16.04	113.59	End Shut-In(1)
62	14.85	113.60	Open To Flow (2)
98	15.31	114.93	Shut-In(2)
123	15.58	115.83	End Shut-In(2)
123	2111.50	116.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

* Recovery from multiple tests

Gas Rates

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



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ATTN: Sean Deenihan

14-17s-33w Scott co.
Heyd #1-14
Job Ticket: 57337 **DST#: 3**
Test Start: 2014.06.10 @ 15:09:00

GENERAL INFORMATION:

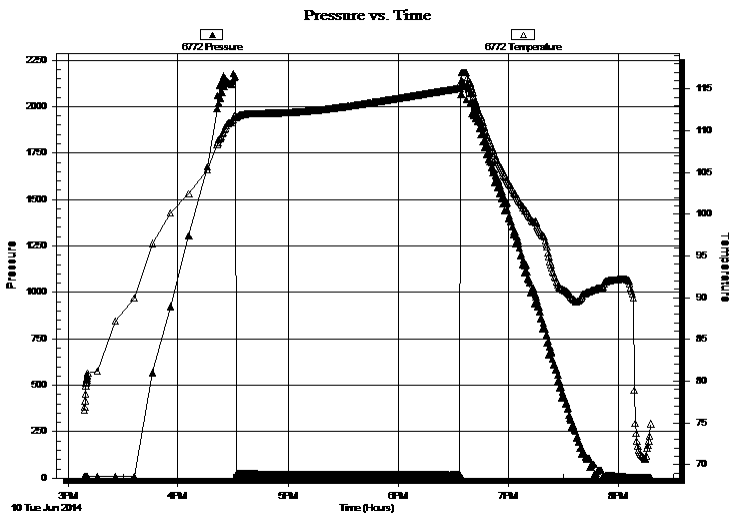
Formation: **Marmaton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:31:15
Time Test Ended: 20:17:30
Interval: **4410.00 ft (KB) To 4428.00 ft (KB) (TVD)**
Total Depth: 4428.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Samuel Esparza
Unit No: 71
Reference Elevations: 3017.00 ft (KB)
3012.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6772 Outside

Press @ Run Depth: psig @ 4411.00 ft (KB)
Start Date: 2014.06.10 End Date: 2014.06.10
Start Time: 15:09:05 End Time: 20:17:44
Capacity: 8000.00 psig
Last Calib.: 2014.06.10
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak Surface Blow .
IS: No Return.
FF: No Blow .
FS: No Return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100m	0.02

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

14-17s-33w Scott co.

7701 E Kellogg DR STE 710
Wichita, KS 67207

Heyd #1-14

Job Ticket: 57337

DST#: 3

ATTN: Sean Deenihan

Test Start: 2014.06.10 @ 15:09:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

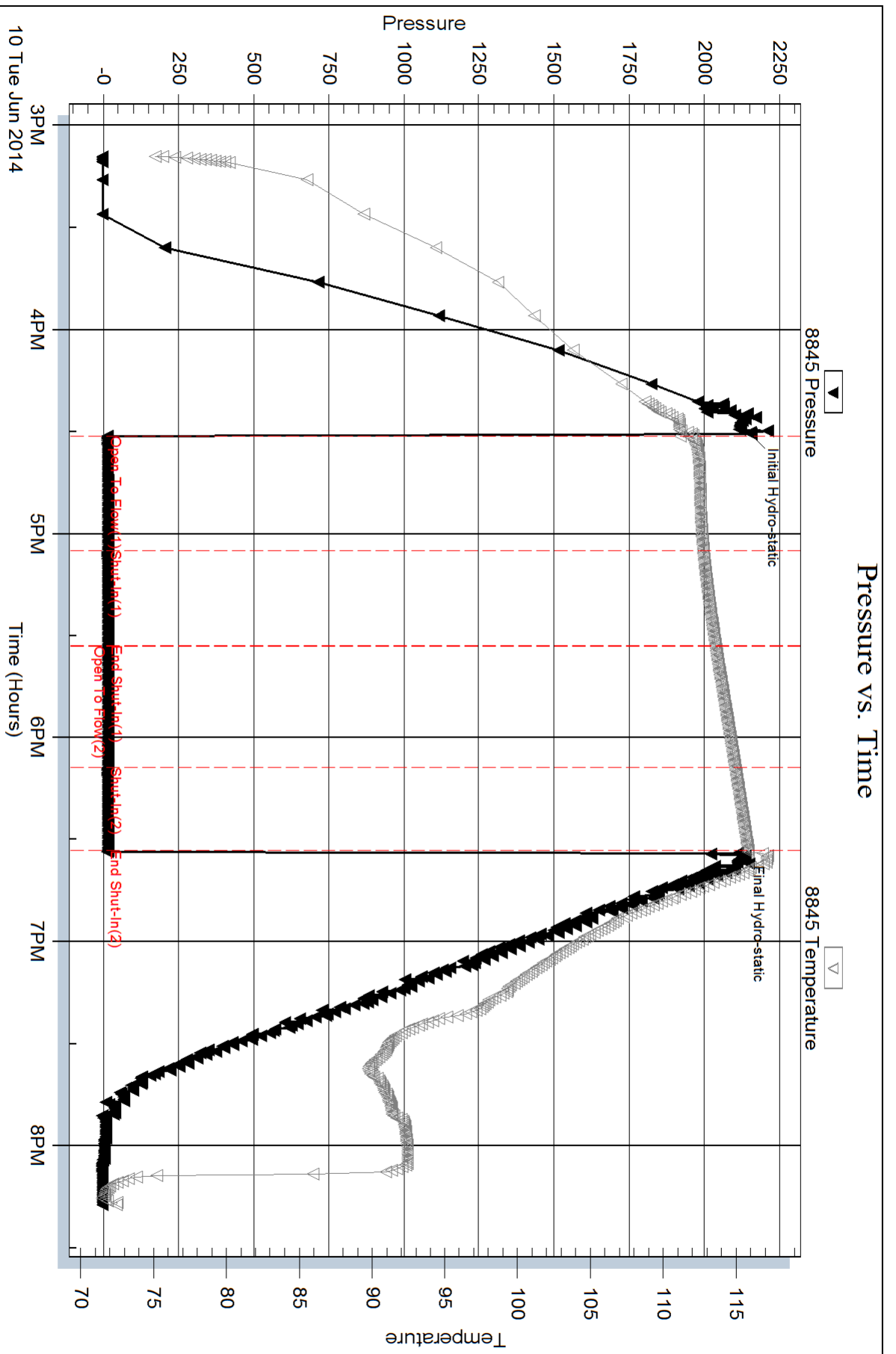
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

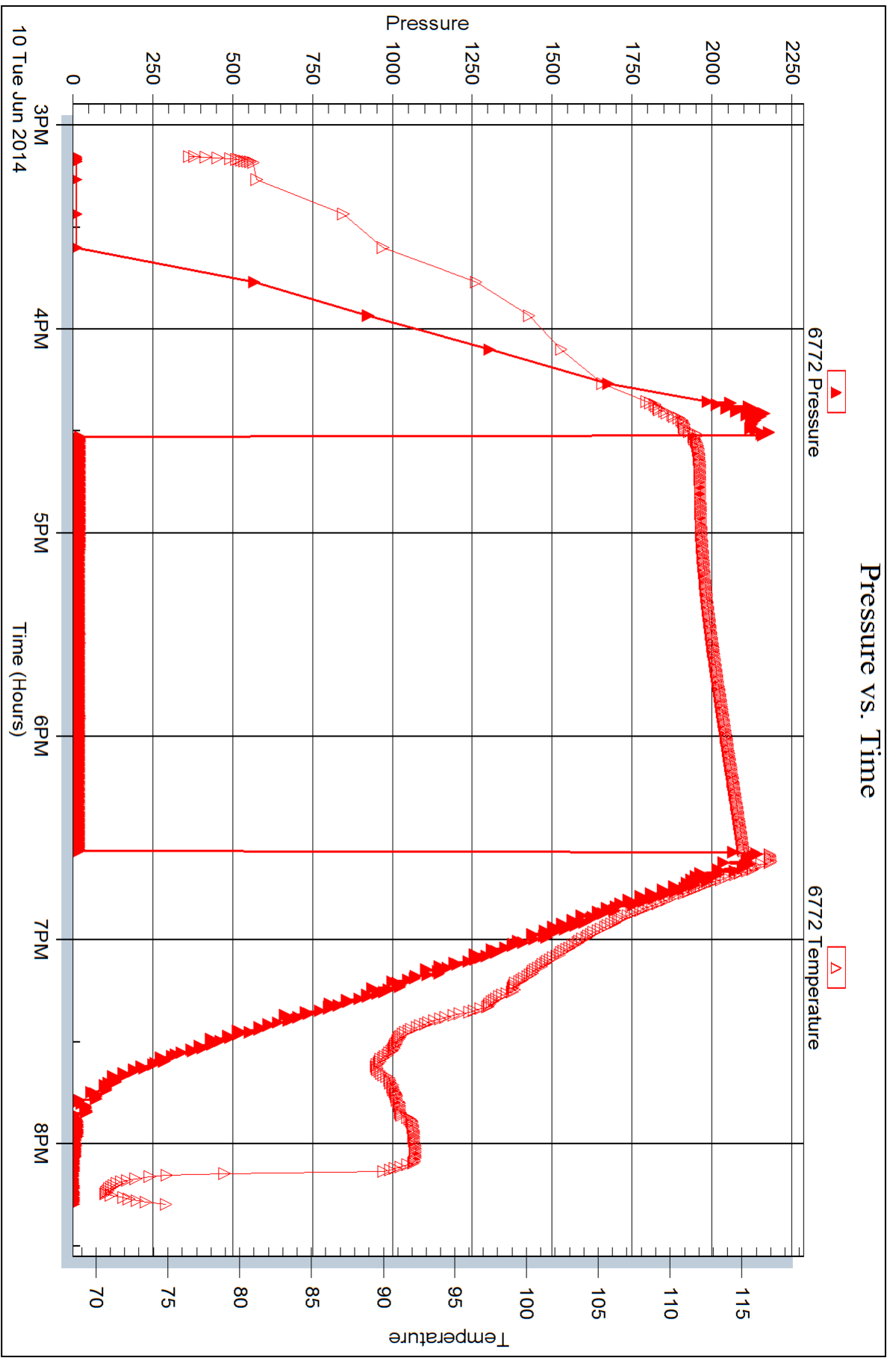


Serial #: 6772

Outside Red Oak Energy, Inc.

Heyd #1-14

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 57337

Printed: 2014.06.10 @ 20:49:35



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Red Oak Energy, Inc.
7701 E Kellogg DR STE 710
Wichita, KS 67207
ATTN: Sean Deenihan

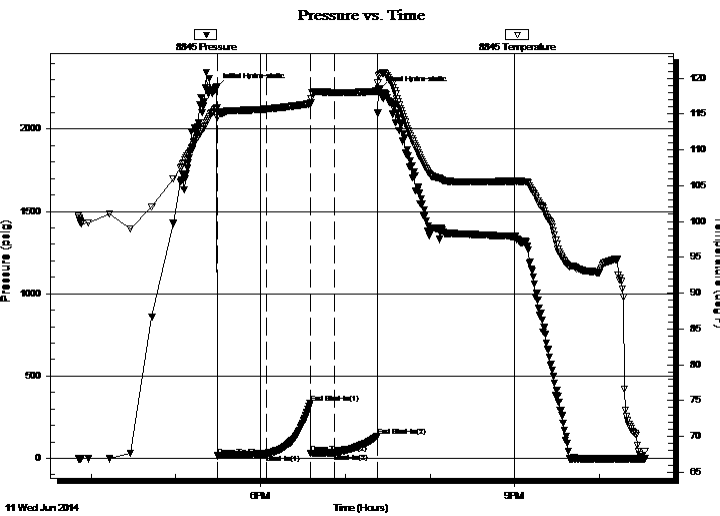
14-17s-33w Scott co.
Heyd #1-14
Job Ticket: 57338 **DST#: 4**
Test Start: 2014.06.11 @ 15:51:00

GENERAL INFORMATION:

Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:29:15
Time Test Ended: 22:32:15
Interval: **4543.00 ft (KB) To 4624.00 ft (KB) (TVD)**
Total Depth: 4624.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Samuel Esparza
Unit No: 71
Reference Elevations: 3017.00 ft (KB)
3012.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8845 Inside
Press @ Run Depth: 33.36 psig @ 4544.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.06.11 End Date: 2014.06.11 Last Calib.: 2014.06.11
Start Time: 15:51:05 End Time: 22:32:14 Time On Btm: 2014.06.11 @ 17:29:00
Time Off Btm: 2014.06.11 @ 19:24:00

TEST COMMENT: IF: Weak Surface Blow Died @ 14 min.
IS: No Return.
FF: No Blow.
FS: No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2254.74	115.84	Initial Hydro-static
1	14.35	114.47	Open To Flow (1)
35	25.82	115.70	Shut-In(1)
66	335.45	116.45	End Shut-In(1)
67	29.54	116.55	Open To Flow (2)
84	33.36	117.98	Shut-In(2)
114	135.57	118.21	End Shut-In(2)
115	2236.95	120.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m (Oil Spots On Top)	0.05

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

Red Oak Energy, Inc.

14-17s-33w Scott co.

7701 E Kellogg DR STE 710
Wichita, KS 67207

Heyd #1-14

Job Ticket: 57338

DST#: 4

ATTN: Sean Deenihan

Test Start: 2014.06.11 @ 15:51:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100m (Oil Spots On Top)	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

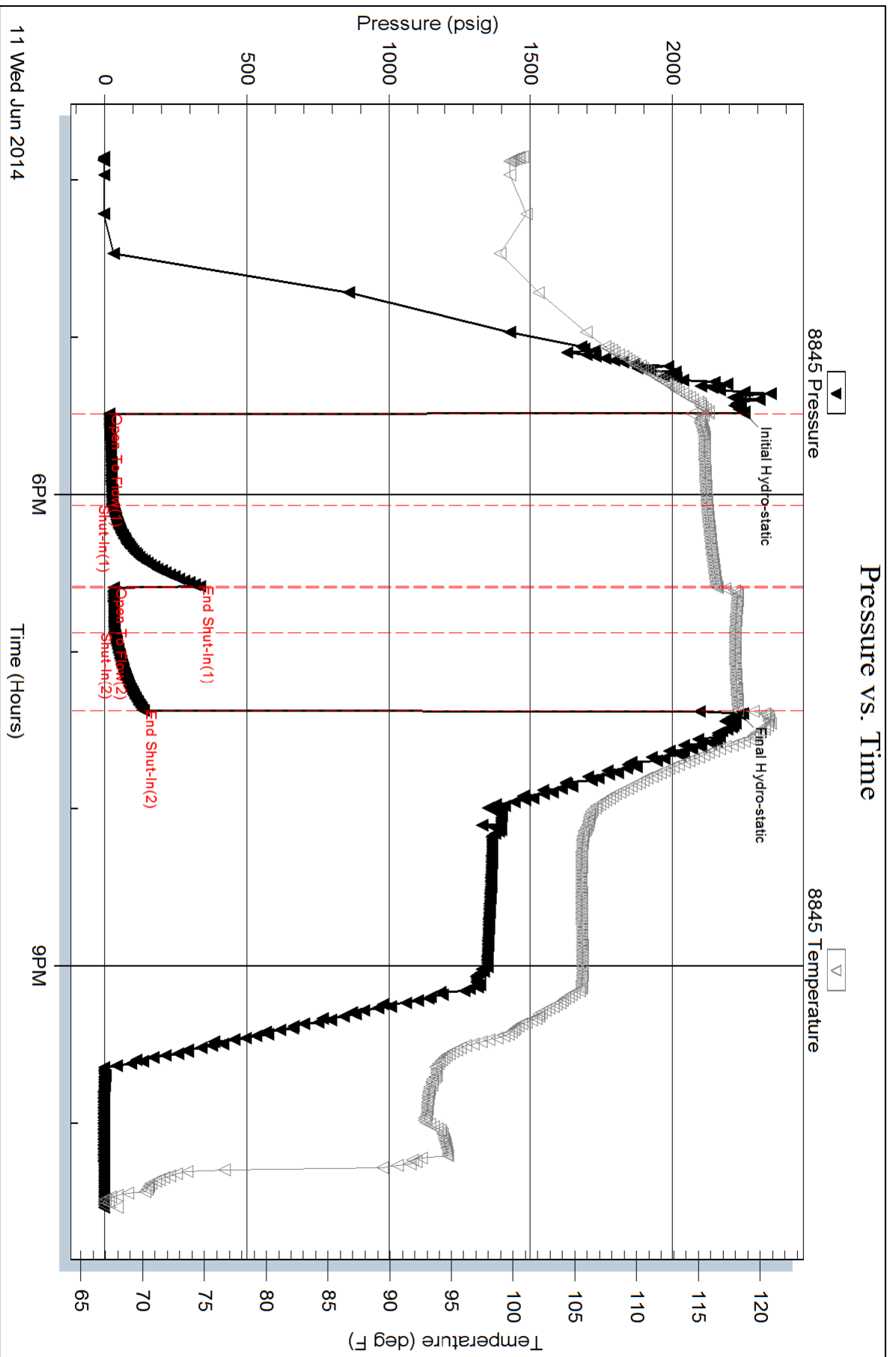
Num Gas Bombs: 0

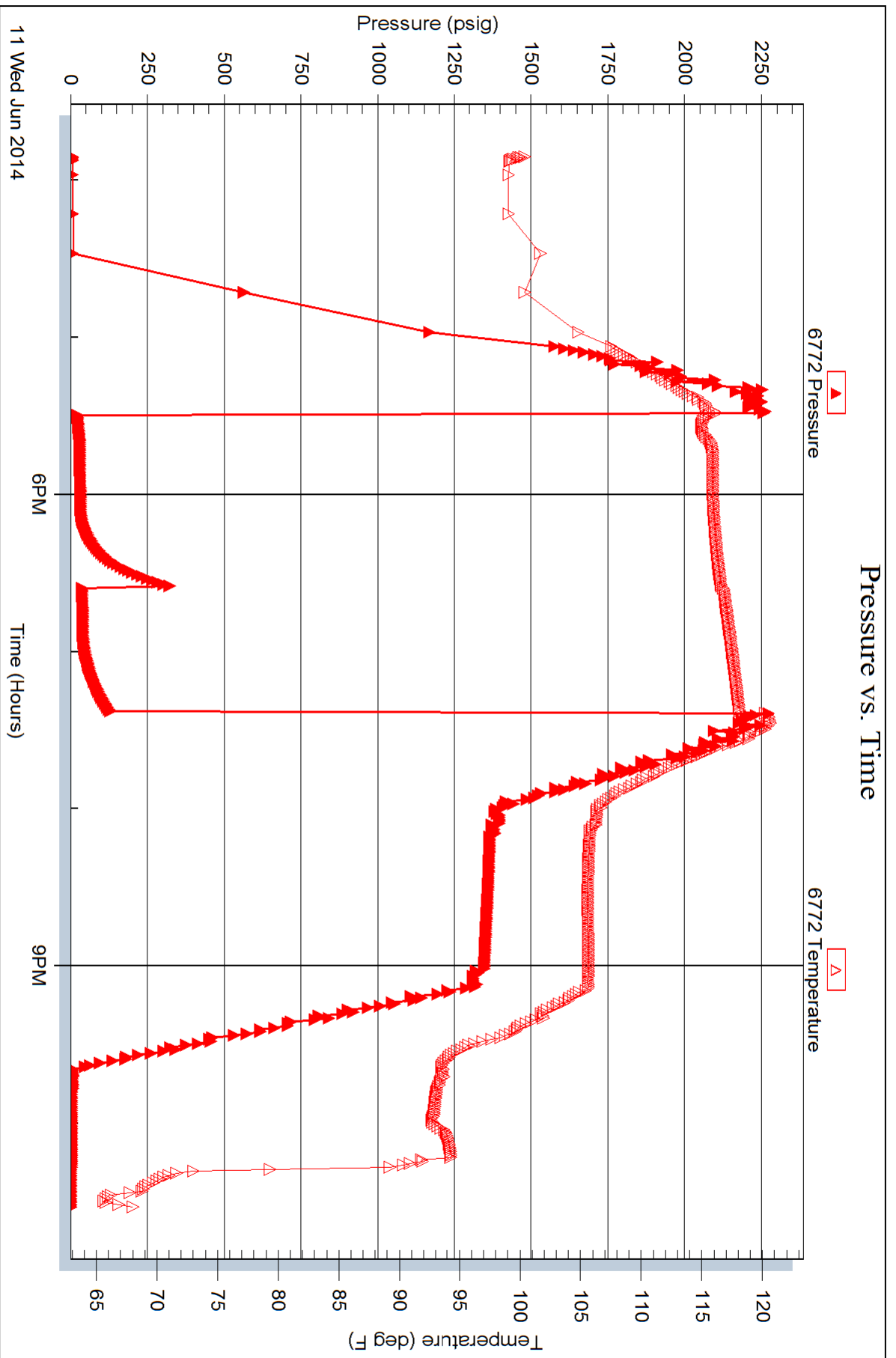
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc.
 7701 E Kellogg DR STE 710
 Wichita, KS 67207
 ATTN: Sean Deenihan

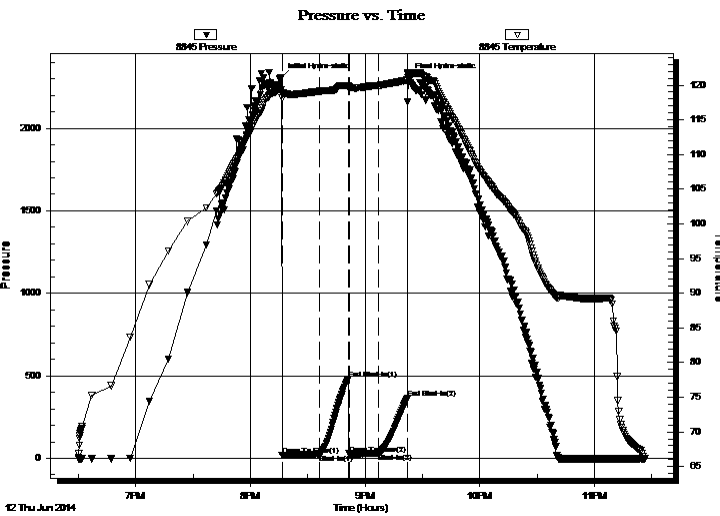
14-17s-33w Scott co.
Heyd #1-14
 Job Ticket: 57339 **DST#: 5**
 Test Start: 2014.06.12 @ 18:30:00

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:16:30
 Time Test Ended: 23:26:15
 Interval: **4610.00 ft (KB) To 4740.00 ft (KB) (TVD)**
 Total Depth: 4740.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Samuel Esparza
 Unit No: 71
 Reference Elevations: 3017.00 ft (KB)
 3012.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8845 Inside
 Press @ Run Depth: 29.94 psig @ 4611.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.12 End Date: 2014.06.12 Last Calib.: 2014.06.13
 Start Time: 18:30:05 End Time: 23:26:14 Time On Btm: 2014.06.12 @ 20:16:15
 Time Off Btm: 2014.06.12 @ 21:22:30

TEST COMMENT: IF: 1/4" Blow .
 IS: No Return.
 FF: No Blow .
 FSI: No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2308.10	119.36	Initial Hydro-static
1	17.85	118.14	Open To Flow (1)
20	24.99	119.11	Shut-In(1)
35	481.96	119.96	End Shut-In(1)
36	26.83	119.68	Open To Flow (2)
51	29.94	119.94	Shut-In(2)
66	361.84	120.73	End Shut-In(2)
67	2305.13	121.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100m (Oil Spots)	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

14-17s-33w Scott co.

7701 E Kellogg DR STE 710
Wichita, KS 67207

Heyd #1-14

Job Ticket: 57339

DST#: 5

ATTN: Sean Deenihan

Test Start: 2014.06.12 @ 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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100m (Oil Spots)	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

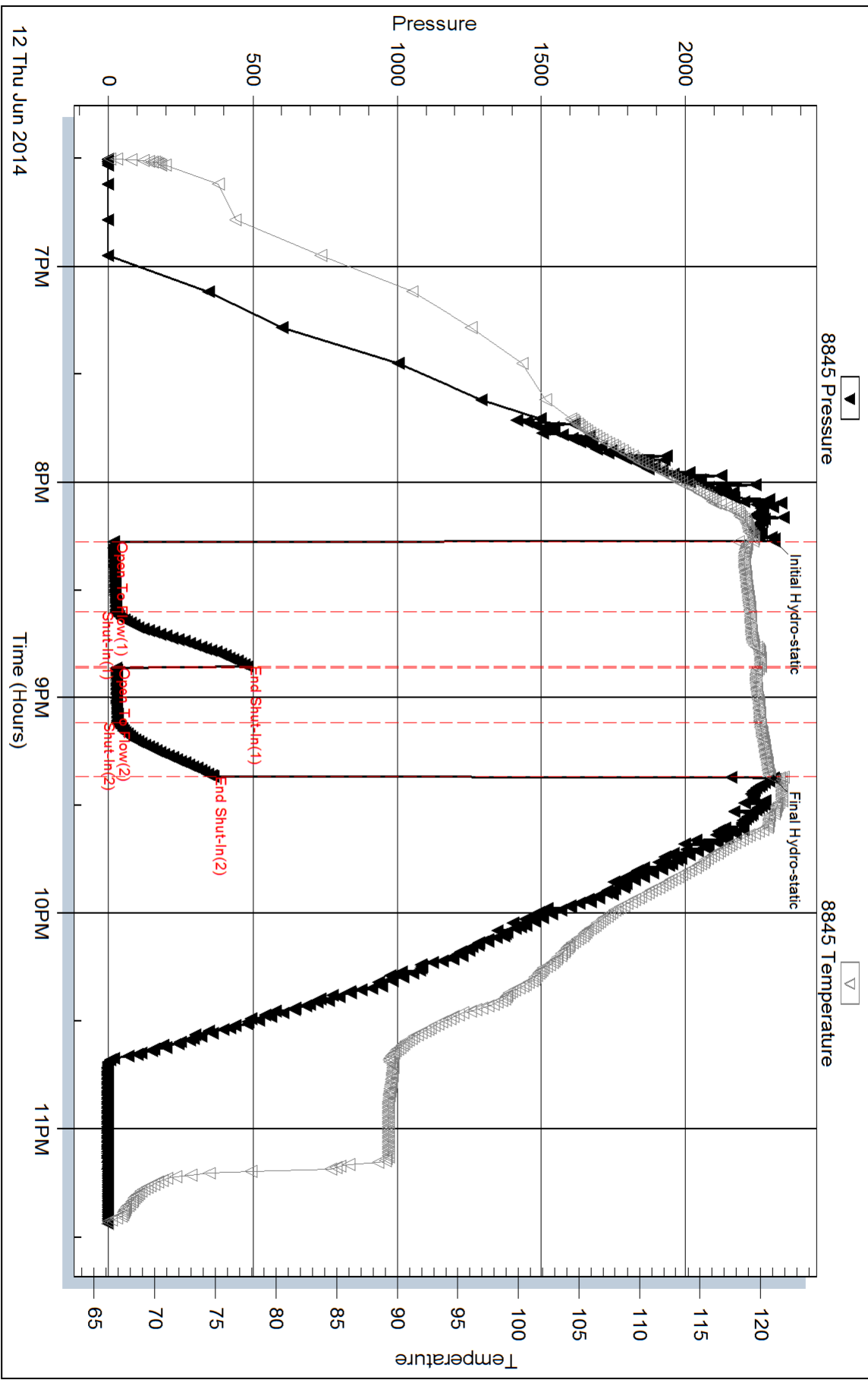
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Red Oak Energy, Inc.
 7701 E Kellogg DR STE 710
 Wichita, KS 67207
 ATTN: Sean Deenihan

14-17s-33w Scott co.
Heyd #1-14
 Job Ticket: 57340 **DST#: 6**
 Test Start: 2014.06.13 @ 00:33:00

GENERAL INFORMATION:

Formation: " L "
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:12:45
 Time Test Ended: 06:27:30
 Interval: **4298.00 ft (KB) To 4440.00 ft (KB) (TVD)**
 Total Depth: 4740.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Straddle (Reset)
 Tester: Samuel Esparza
 Unit No: 71
 Reference Elevations: 3017.00 ft (KB)
 3012.00 ft (CF)
 KB to GR/CF: 5.00 ft

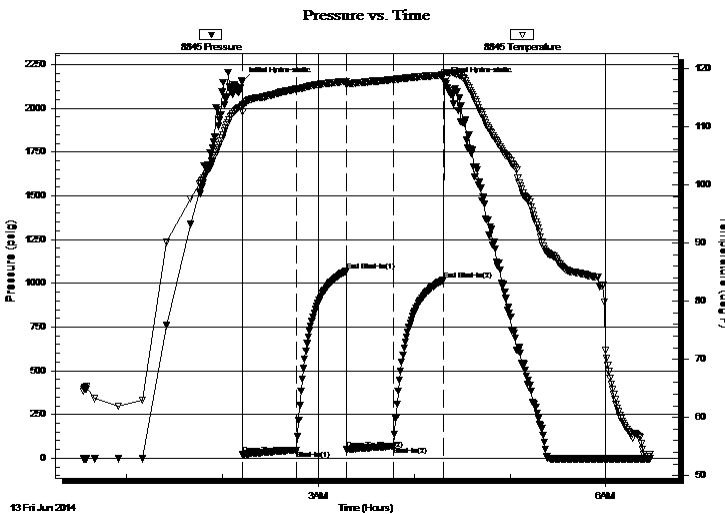
Serial #: 8845

Inside

Press @ Run Depth: 69.51 psig @ 4299.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.06.13 End Date: 2014.06.13 Last Calib.: 2014.06.13
 Start Time: 00:33:05 End Time: 06:27:29 Time On Btm: 2014.06.13 @ 02:12:30
 Time Off Btm: 2014.06.13 @ 04:19:15

TEST COMMENT: IF: 2" Blow .
 IS: No return.
 FF: 1/4" Blow .
 FS: No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2152.98	113.66	Initial Hydro-static
1	20.98	112.55	Open To Flow (1)
34	47.32	116.42	Shut-In(1)
65	1071.01	117.75	End Shut-In(1)
66	49.98	117.20	Open To Flow (2)
95	69.51	118.08	Shut-In(2)
126	1020.24	118.85	End Shut-In(2)
127	2154.30	119.26	Final Hydro-static

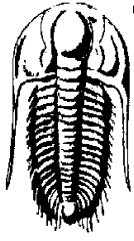
Recovery

Length (ft)	Description	Volume (bbl)
75.00	Mud 100m (Oil Spots)	0.37

* Recovery from multiple tests

Gas Rates

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



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Red Oak Energy, Inc.
7701 E Kellogg DR STE 710
Wichita, KS 67207
ATTN: Sean Deenihan

14-17s-33w Scott co.

Heyd #1-14

Job Ticket: 57340

DST#: 6

Test Start: 2014.06.13 @ 00:33:00

GENERAL INFORMATION:

Formation: " L "

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:12:45

Time Test Ended: 06:27:30

Interval: 4298.00 ft (KB) To 4440.00 ft (KB) (TVD)

Total Depth: 4740.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Straddle (Reset)

Tester: Samuel Esparza

Unit No: 71

Reference Elevations: 3017.00 ft (KB)

3012.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8167

Below (Straddle)

Press @RunDepth: psig @ 4451.00 ft (KB)

Start Date: 2014.06.13

End Date: 2014.06.13

Start Time: 00:33:05

End Time: 06:27:29

Capacity: 8000.00 psig

Last Calib.: 2014.06.13

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 2" Blow .

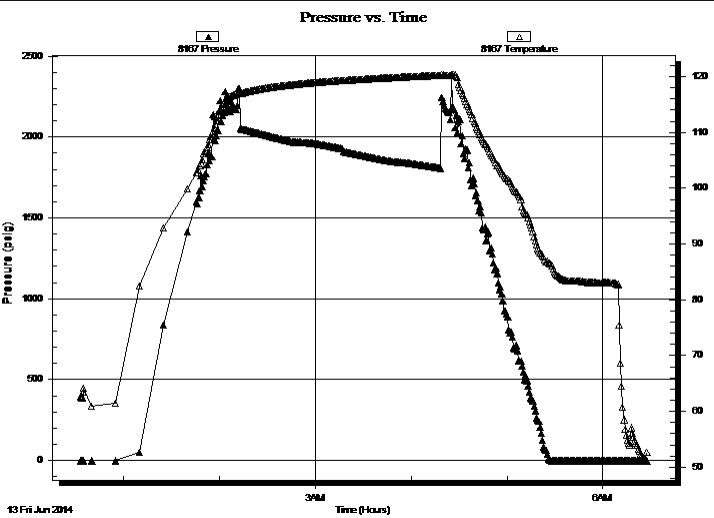
IS: No return.

FF: 1/4" Blow .

FS: No Return.

PRESSURE SUMMARY

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



Recovery

Length (ft)	Description	Volume (bbl)
75.00	Mud 100m (Oil Spots)	0.37

* Recovery from multiple tests

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

14-17s-33w Scott co.

7701 E Kellogg DR STE 710
Wichita, KS 67207

Heyd #1-14

Job Ticket: 57340

DST#: 6

ATTN: Sean Deenihan

Test Start: 2014.06.13 @ 00:33:00

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: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	Mud 100m (Oil Spots)	0.369

Total Length: 75.00 ft Total Volume: 0.369 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

