



DRILL STEM TEST REPORT

Prepared For: **H & C Oil Operating Inc.**

P.O. Box 86
Plainville KS. 67603

ATTN: Mark Downing / Charl

26-7s-24w Graham,KS

Paxson-Rice Unit #26-1

Start Date: 2014.09.19 @ 22:52:00

End Date: 2014.09.20 @ 07:04:00

Job Ticket #: 60532 DST #: 1

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

Printed: 2014.09.23 @ 11:14:49

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

26-7s-24w Graham,KS

DST # 1

LKC: "A"

2014.09.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

P.O. Box 86
Plainville KS. 67603

26-7s-24w Graham,KS

ATTN: Mark Downing / Charl

Job Ticket: 60532

DST#: 1

Test Start: 2014.09.19 @ 22:52:00

GENERAL INFORMATION:

Formation: **LKC. "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:10:45

Time Test Ended: 07:04:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bob Hamel

Unit No: 72

Interval: 3665.00 ft (KB) To 3693.00 ft (KB) (TVD)

Reference Elevations: 2394.00 ft (KB)

Total Depth: 3693.00 ft (KB) (TVD)

2388.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 6772 Outside

Press@RunDepth: 233.16 psig @ 3667.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.19

End Date:

2014.09.20

Last Calib.:

2014.09.20

Start Time:

22:52:05

End Time:

07:03:59

Time On Btm:

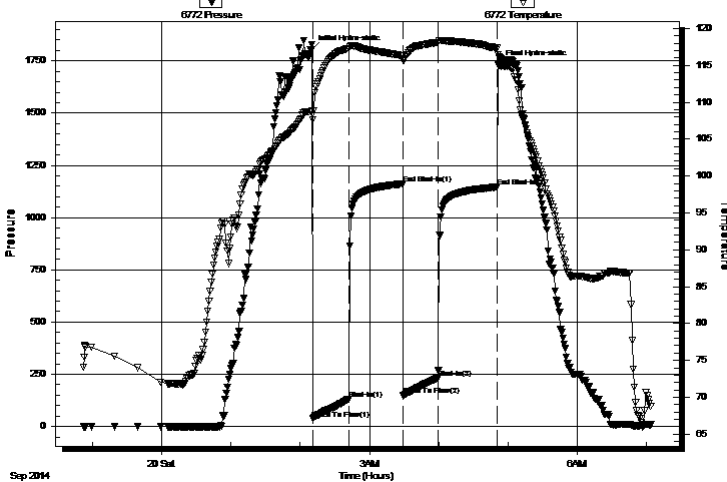
2014.09.20 @ 02:10:00

Time Off Btm:

2014.09.20 @ 04:52:15

TEST COMMENT: I.F. - 30 - BOB in 8 min
I.S.I. - 45 - Weak surface blow back built to 3"
F.F. - 30 - BOB in 7 min
F.S.I. - 45 - Weak surface blow back built to 5"

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1802.81	108.79	Initial Hydro-static
1	36.52	107.59	Open To Flow (1)
32	130.79	117.32	Shut-In(1)
79	1161.18	116.28	End Shut-In(1)
80	149.89	115.71	Open To Flow (2)
110	233.16	118.08	Shut-In(2)
161	1147.23	117.35	End Shut-In(2)
163	1730.20	116.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
189.00	S,O,C,M,W, 10%O 30%M 60%W	2.37
126.00	H,O,C,M,W, 30%O 30%M 40%W	1.77
315.00	C/O 100%	4.42
0.00	461' G.I.P. 100%	0.00

Gas Rates

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



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ATTN: Mark Downing / Charl

Job Ticket: 60532

DST#: 1

Test Start: 2014.09.19 @ 22:52:00

GENERAL INFORMATION:

Formation: **LKC. "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:10:45

Time Test Ended: 07:04:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bob Hamel

Unit No: 72

Interval: 3665.00 ft (KB) To 3693.00 ft (KB) (TVD)

Reference Elevations: 2394.00 ft (KB)

Total Depth: 3693.00 ft (KB) (TVD)

2388.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8167

Press@RunDepth: psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.19

End Date:

2014.09.20

Last Calib.:

1899.12.30

Start Time: 22:52:05

End Time:

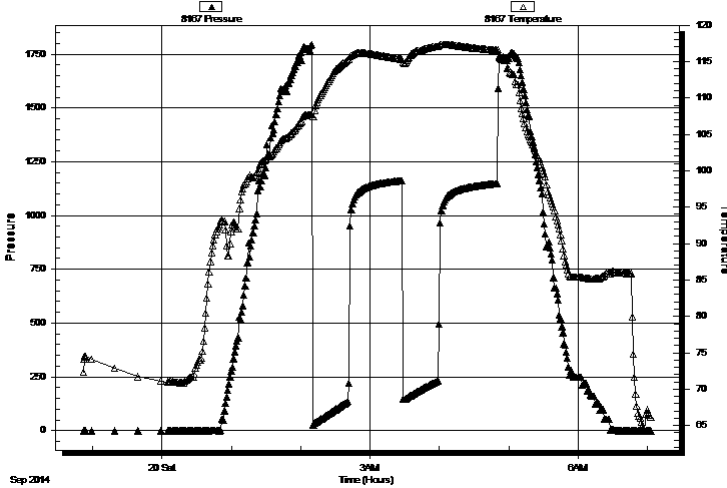
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Time On Btm:

Time Off Btm:

TEST COMMENT: I.F. - 30 - BOB in 8 min
I.S.I. - 45 - Weak surface blow back built to 3"
F.F. - 30 - BOB in 7 min
F.S.I. - 45 - Weak surface blow back built to 5"

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
189.00	S,O,C,M,W, 10%O 30%M 60%W	2.37
126.00	H,O,C,M,W, 30%O 30%M 40%W	1.77
315.00	C/O 100%	4.42
0.00	461' G.I.P. 100%	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

P.O. Box 86
Plainville KS. 67603

26-7s-24w Graham,KS

Job Ticket: 60532

DST#: 1

ATTN: Mark Downing / Charl

Test Start: 2014.09.19 @ 22:52:00

Tool Information

Drill Pipe:	Length: 3638.00 ft	Diameter: 3.80 inches	Volume: 51.03 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 51.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3665.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 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			3646.00	
Shut In Tool	5.00			3651.00	
Hydraulic tool	5.00			3656.00	
Packer	5.00			3661.00	20.00 Bottom Of Top Packer
Packer	4.00			3665.00	
Stubb	1.00			3666.00	
Perforations	1.00			3667.00	
Recorder	0.00	6772	Outside	3667.00	
Recorder	0.00	8167	Inside	3667.00	
Perforations	23.00			3690.00	
Bullnose	3.00			3693.00	28.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

P.O. Box 86
Plainville KS. 67603

26-7s-24w Graham,KS

Job Ticket: 60532

DST#: 1

ATTN: Mark Downing / Charl

Test Start: 2014.09.19 @ 22:52:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 5.99 in³
Resistivity: 0.00 ohm.m
Salinity: 500.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 31.8 deg API
Water Salinity: 96000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
189.00	S,O,C,M,W, 10%O 30%M 60%W	2.369
126.00	H,O,C,M,W, 30%O 30%M 40%W	1.767
315.00	C/O 100%	4.419
0.00	461' G.I.P. 100%	0.000

Total Length: 630.00 ft Total Volume: 8.555 bbl

Num Fluid Samples: 0

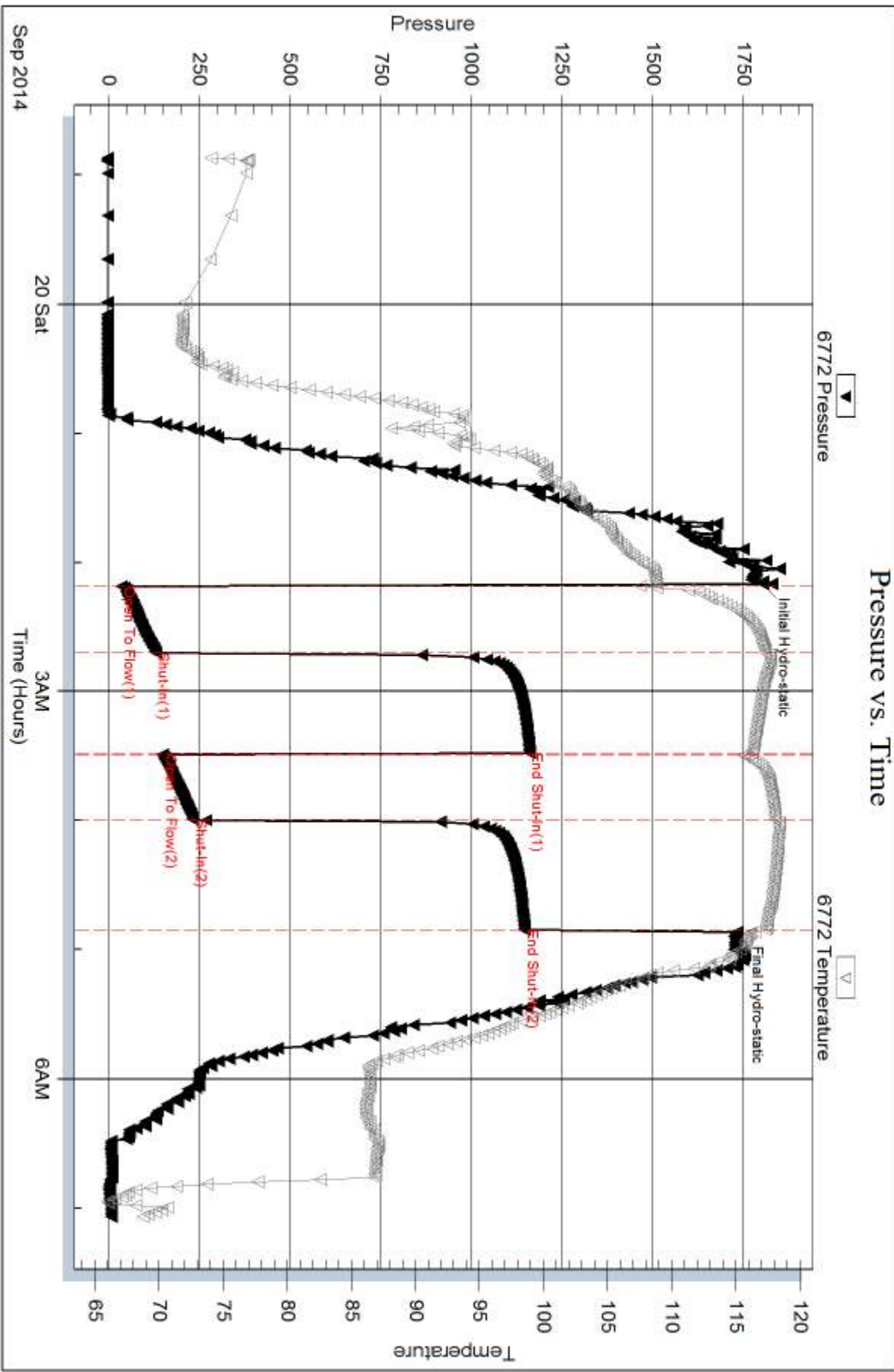
Num Gas Bombs: 0

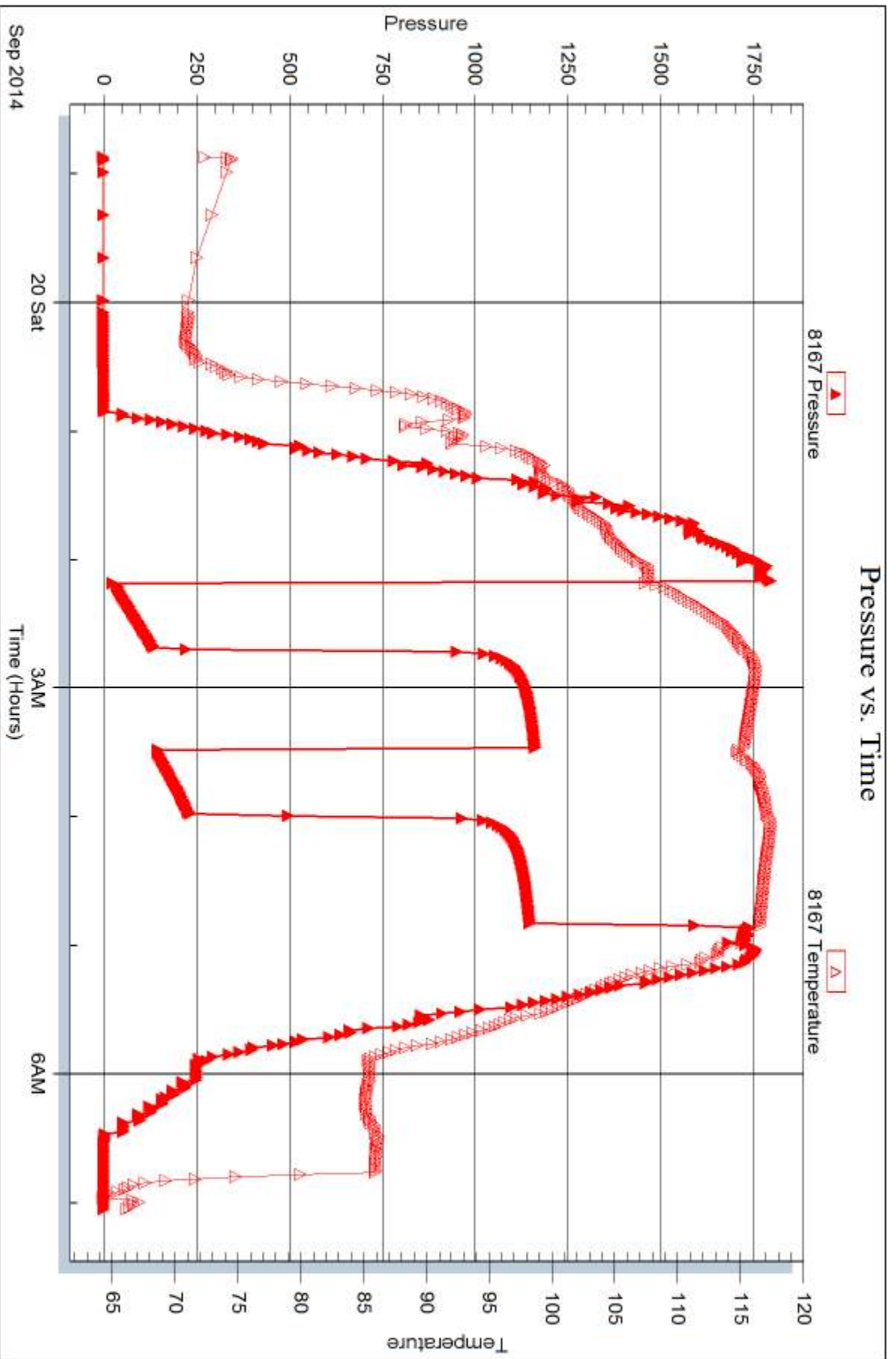
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **H & C Oil Operating Inc.**

P.O. Box 86
Plainville KS. 67603

ATTN: Mark Downing / Charl

26-7s-24w Graham,KS

Paxson-Rice Unit #26-1

Start Date: 2014.09.20 @ 14:32:00

End Date: 2014.09.20 @ 21:30:00

Job Ticket #: 60533 DST #: 2

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

Printed: 2014.09.23 @ 11:14:21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

P.O. Box 86
Plainville KS. 67603

26-7s-24w Graham,KS

ATTN: Mark Downing / Charl

Job Ticket: 60533

DST#: 2

Test Start: 2014.09.20 @ 14:32:00

GENERAL INFORMATION:

Formation: **LKC "C - D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:23:15

Time Test Ended: 21:30:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 72

Interval: 3690.00 ft (KB) To 3730.00 ft (KB) (TVD)

Reference Elevations: 2394.00 ft (KB)

Total Depth: 3730.00 ft (KB) (TVD)

2388.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 6772 Outside

Press@RunDepth: 45.12 psig @ 3694.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.20

End Date:

2014.09.20

Last Calib.:

2014.09.20

Start Time:

14:32:05

End Time:

21:29:59

Time On Btm:

2014.09.20 @ 17:22:45

Time Off Btm:

2014.09.20 @ 19:38:15

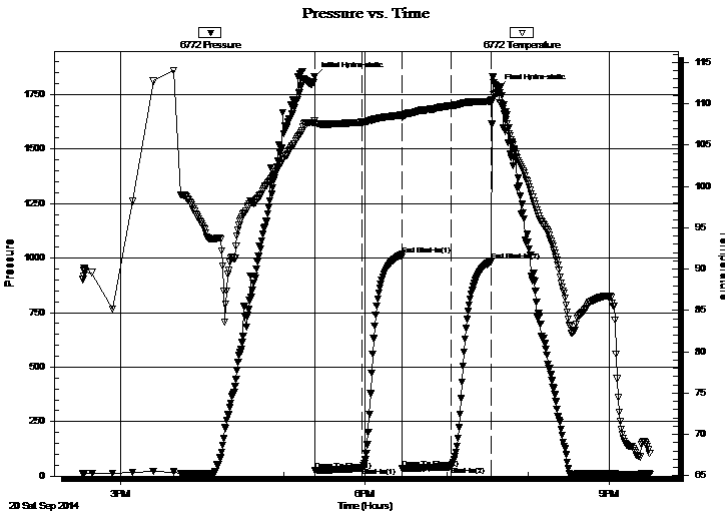
TEST COMMENT: I.F. - 30 - Weak surface blow built to 1"

I.S.I. - 30 - No blow back

F.F. - 30 - No blow

F.S.I. - 30 - No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1831.59	107.95	Initial Hydro-static
1	26.66	107.56	Open To Flow (1)
36	38.49	107.79	Shut-In(1)
65	1015.97	108.63	End Shut-In(1)
65	36.37	108.39	Open To Flow (2)
101	45.12	109.77	Shut-In(2)
130	985.09	110.32	End Shut-In(2)
136	1777.40	111.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	O,C,M, 20%O 80%M	0.21

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

P.O. Box 86
Plainville KS. 67603

26-7s-24w Graham,KS

ATTN: Mark Downing / Charl

Job Ticket: 60533 **DST#: 2**

Test Start: 2014.09.20 @ 14:32:00

GENERAL INFORMATION:

Formation: **LKC "C - D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:23:15

Time Test Ended: 21:30:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 72

Interval: **3690.00 ft (KB) To 3730.00 ft (KB) (TVD)**

Reference Elevations: 2394.00 ft (KB)

Total Depth: 3730.00 ft (KB) (TVD)

2388.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8167 Inside

Press@RunDepth: psig @ 3694.00 ft (KB)

Start Date: 2014.09.20

End Date:

2014.09.20

Capacity: 8000.00 psig

Last Calib.:

2014.09.20

Start Time: 14:32:05

End Time:

21:29:29

Time On Btm:

Time Off Btm:

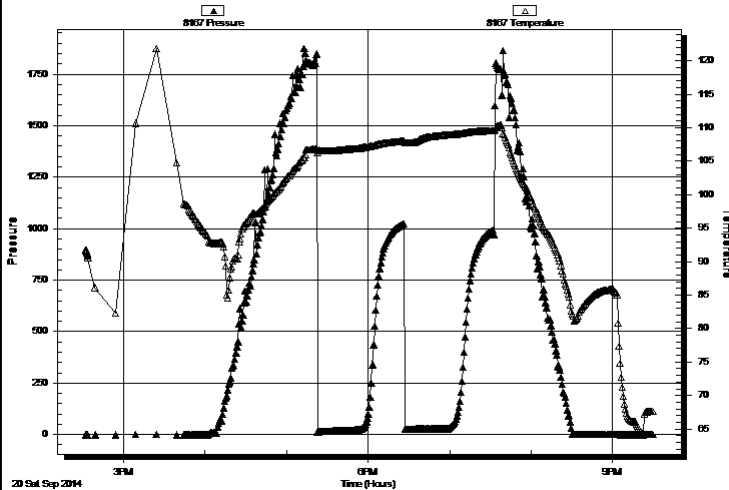
TEST COMMENT: I.F. - 30 - Weak surface blow built to 1"

I.S.I. - 30 - No blow back

F.F. - 30 - No blow

F.S.I. - 30 - No blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
35.00	O,C,M, 20%O 80%M	0.21

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

P.O. Box 86
Plainville KS. 67603

26-7s-24w Graham,KS

Job Ticket: 60533

DST#: 2

ATTN: Mark Downing / Charl

Test Start: 2014.09.20 @ 14:32:00

Tool Information

Drill Pipe:	Length: 3672.00 ft	Diameter: 3.80 inches	Volume: 51.51 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 51.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3690.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	60.00 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			3671.00	
Shut In Tool	5.00			3676.00	
Hydraulic tool	5.00			3681.00	
Packer	5.00			3686.00	20.00 Bottom Of Top Packer
Packer	4.00			3690.00	
Stubb	3.00			3693.00	
Perforations	1.00			3694.00	
Recorder	0.00	6772	Outside	3694.00	
Recorder	0.00	8167	Inside	3694.00	
Perforations	33.00			3727.00	
Bullnose	3.00			3730.00	40.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

P.O. Box 86
Plainville KS. 67603

26-7s-24w Graham,KS

Job Ticket: 60533

DST#: 2

ATTN: Mark Downing / Charl

Test Start: 2014.09.20 @ 14:32:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	O,C,M, 20%O 80%M	0.209

Total Length: 35.00 ft Total Volume: 0.209 bbl

Num Fluid Samples: 0

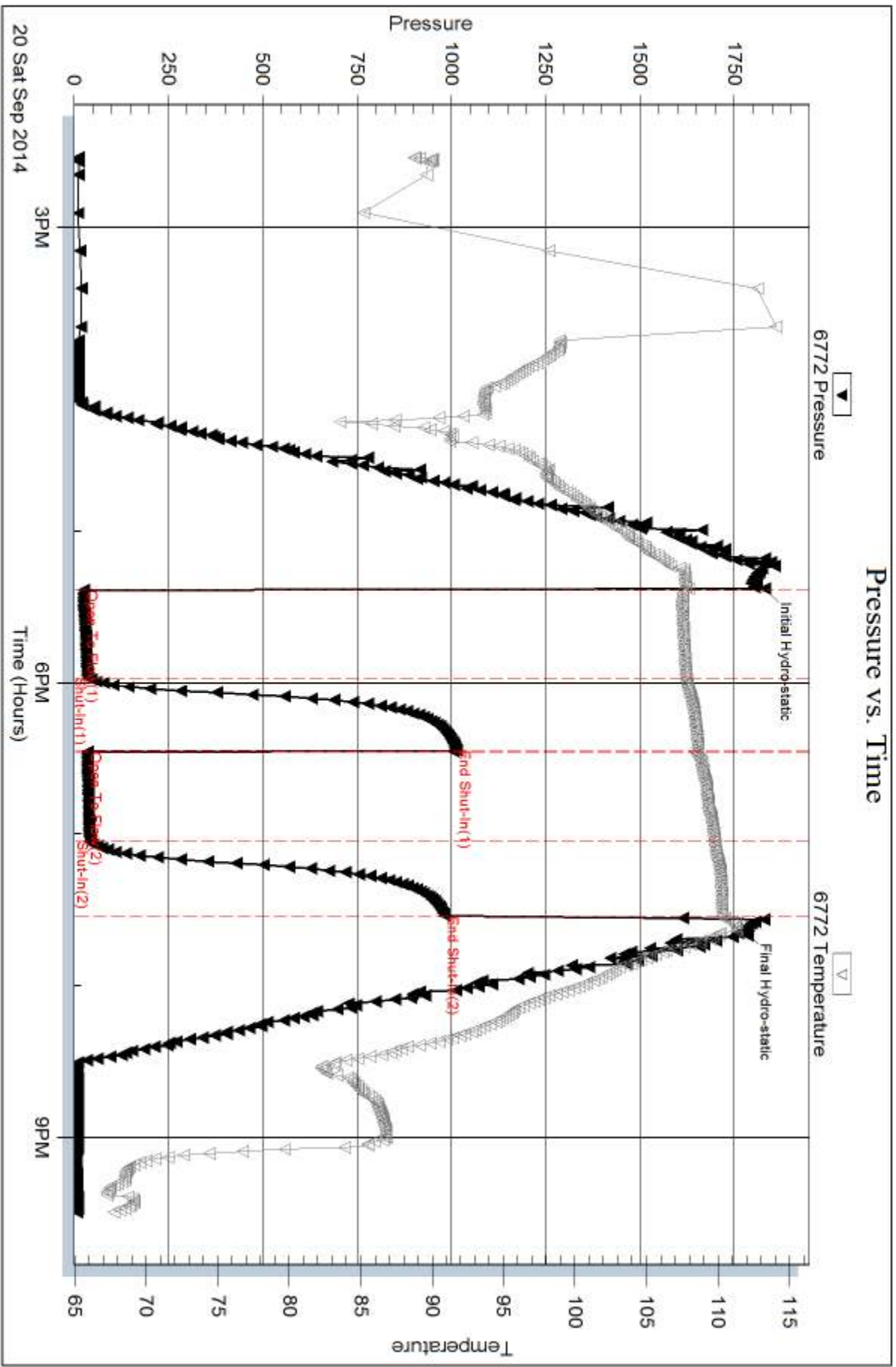
Num Gas Bombs: 0

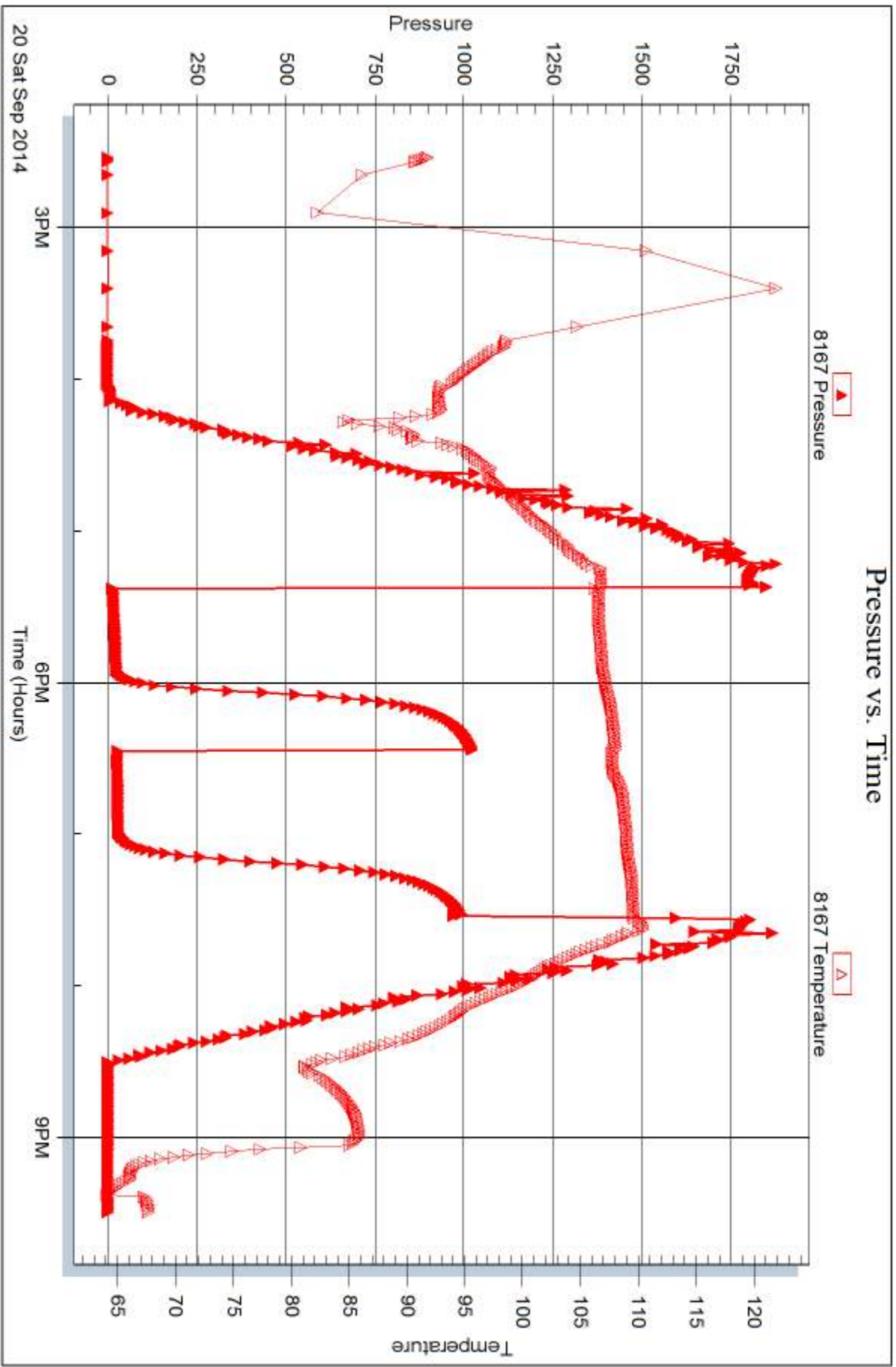
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **H & C Oil Operating Inc.**

P.O. Box 86
Plainville KS. 67603

ATTN: Mark Downing / Charl

26-7s-24w Graham,KS

Paxson-Rice Unit #26-1

Start Date: 2014.09.21 @ 17:10:00

End Date: 2014.09.21 @ 23:39:00

Job Ticket #: 60534 DST #: 3

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

Printed: 2014.09.23 @ 11:13:22

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

26-7s-24w Graham,KS

DST # 3

LKC "H - K"

2014.09.21



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

P.O. Box 86
Plainville KS. 67603

26-7s-24w Graham,KS

ATTN: Mark Downing / Charl

Job Ticket: 60534

DST#: 3

Test Start: 2014.09.21 @ 17:10:00

GENERAL INFORMATION:

Formation: **LKC "H - K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:04:30

Time Test Ended: 23:39:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 72

Interval: 3778.00 ft (KB) To 3860.00 ft (KB) (TVD)

Reference Elevations: 2394.00 ft (KB)

Total Depth: 3860.00 ft (KB) (TVD)

2388.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 6772 Outside

Press@RunDepth: 62.80 psig @ 3844.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.09.21

End Date: 2014.09.21

Last Calib.: 2014.09.21

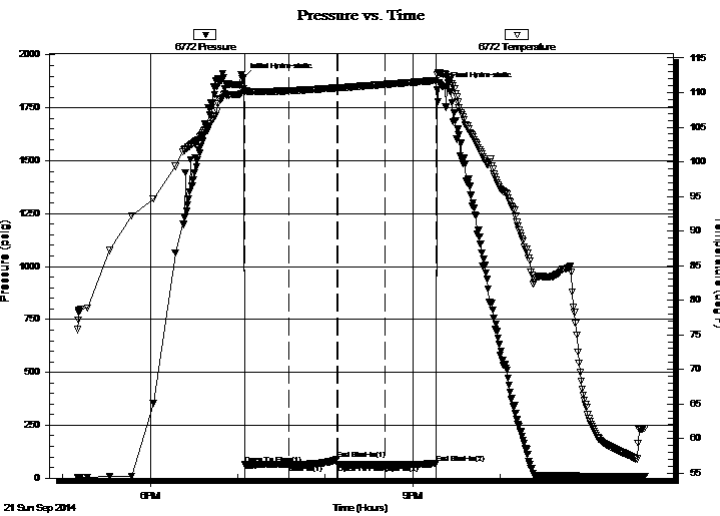
Start Time: 17:10:05

End Time: 23:38:59

Time On Btm: 2014.09.21 @ 19:04:00

Time Off Btm: 2014.09.21 @ 21:21:15

TEST COMMENT: I.F. - 30 - Weak blow built to 3/4" died in 21 min
I.S.I. - 30 - No blow back
F.F. - 30 - No blow
F.S.I. - 30 - No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1893.26	110.66	Initial Hydro-static
1	63.56	110.26	Open To Flow (1)
31	64.34	110.26	Shut-In(1)
64	87.87	110.70	End Shut-In(1)
65	63.80	110.69	Open To Flow (2)
97	62.80	111.19	Shut-In(2)
132	69.65	111.77	End Shut-In(2)
138	1850.64	112.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	MUD 100%	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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Paxson-Rice Unit #26-1

P.O. Box 86
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26-7s-24w Graham,KS

ATTN: Mark Downing / Charl

Job Ticket: 60534 **DST#: 3**

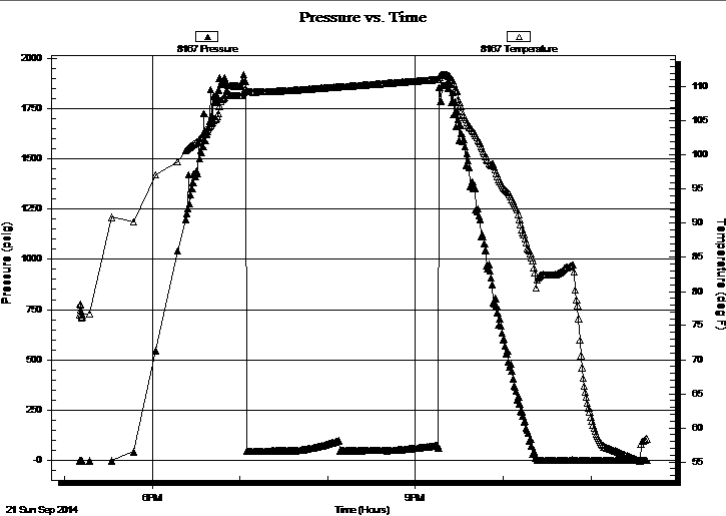
Test Start: 2014.09.21 @ 17:10:00

GENERAL INFORMATION:

Formation: **LKC "H - K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:04:30
 Time Test Ended: 23:39:00
 Interval: **3778.00 ft (KB) To 3860.00 ft (KB) (TVD)**
 Total Depth: 3860.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bob Hamel
 Unit No: 72
 Reference Elevations: 2394.00 ft (KB)
 2388.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8167 **Inside**
 Press@RunDepth: psig @ 3844.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.09.21 End Date: 2014.09.21 Last Calib.: 2014.09.21
 Start Time: 17:10:05 End Time: 23:38:44 Time On Btm:
 Time Off Btm:

TEST COMMENT: I.F. - 30 - Weak blow built to 3/4" died in 21 min
 I.S.I. - 30 - No blow back
 F.F. - 30 - No blow
 F.S.I. - 30 - No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
3.00	MUD 100%	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

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

P.O. Box 86
Plainville KS. 67603

26-7s-24w Graham,KS

Job Ticket: 60534

DST#: 3

ATTN: Mark Downing / Charl

Test Start: 2014.09.21 @ 17:10:00

Tool Information

Drill Pipe:	Length: 3737.00 ft	Diameter: 3.80 inches	Volume: 52.42 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	48000.00 lb
			<u>Total Volume: 52.57 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3778.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	82.00 ft				
Tool Length:	102.00 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			3759.00	
Shut In Tool	5.00			3764.00	
Hydraulic tool	5.00			3769.00	
Packer	5.00			3774.00	20.00 Bottom Of Top Packer
Packer	4.00			3778.00	
Stubb	1.00			3779.00	
Perforations	1.00			3780.00	
Change Over Sub	1.00			3781.00	
Drill Pipe	62.00			3843.00	
Change Over Sub	1.00			3844.00	
Recorder	0.00	6772	Outside	3844.00	
Recorder	0.00	8167	Inside	3844.00	
Perforations	13.00			3857.00	
Bullnose	3.00			3860.00	82.00 Bottom Packers & Anchor

Total Tool Length: 102.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & C Oil Operating Inc.

Paxson-Rice Unit #26-1

P.O. Box 86
Plainville KS. 67603

26-7s-24w Graham,KS

Job Ticket: 60534

DST#: 3

ATTN: Mark Downing / Charl

Test Start: 2014.09.21 @ 17:10:00

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: 49.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
3.00	MUD 100%	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

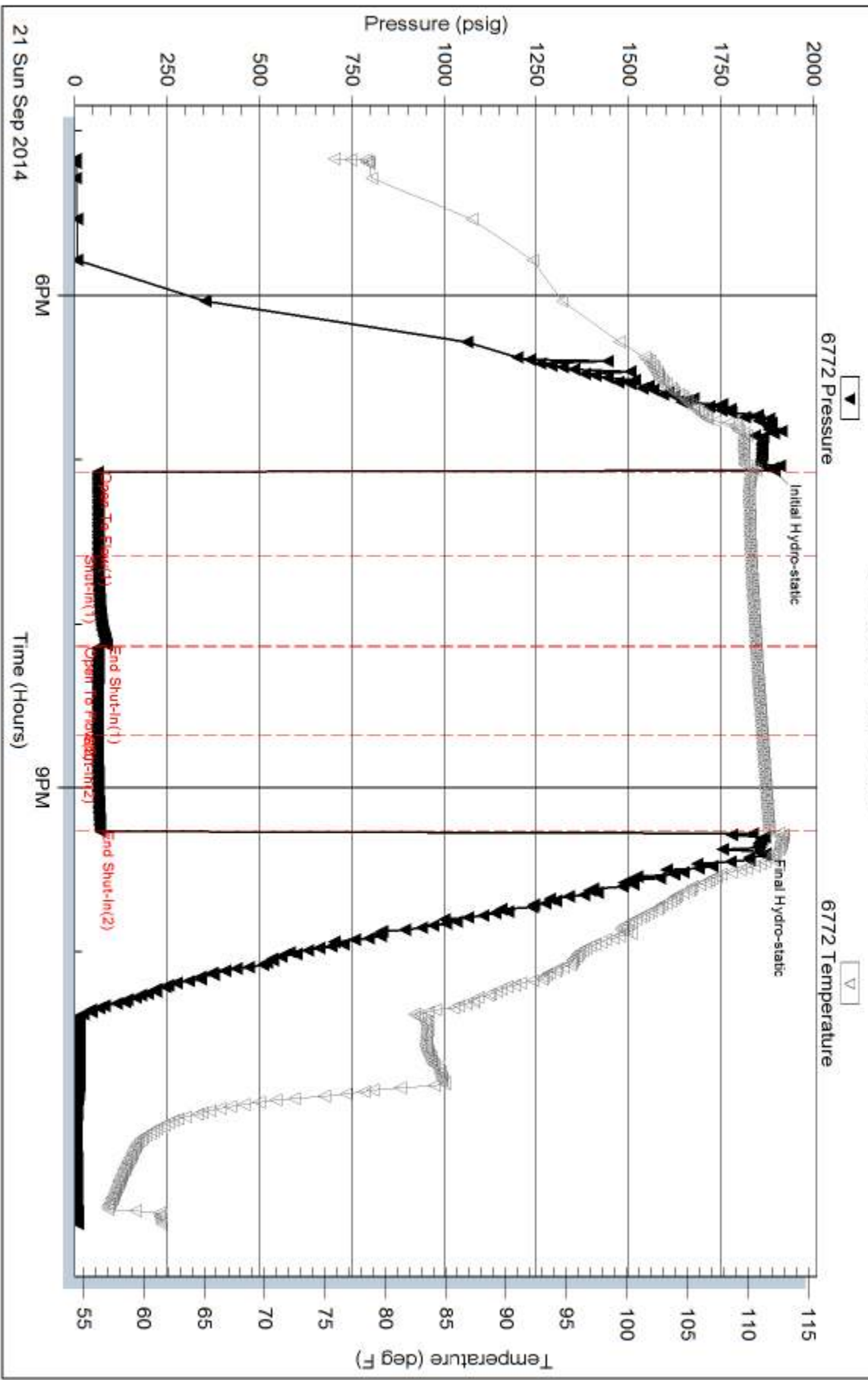
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



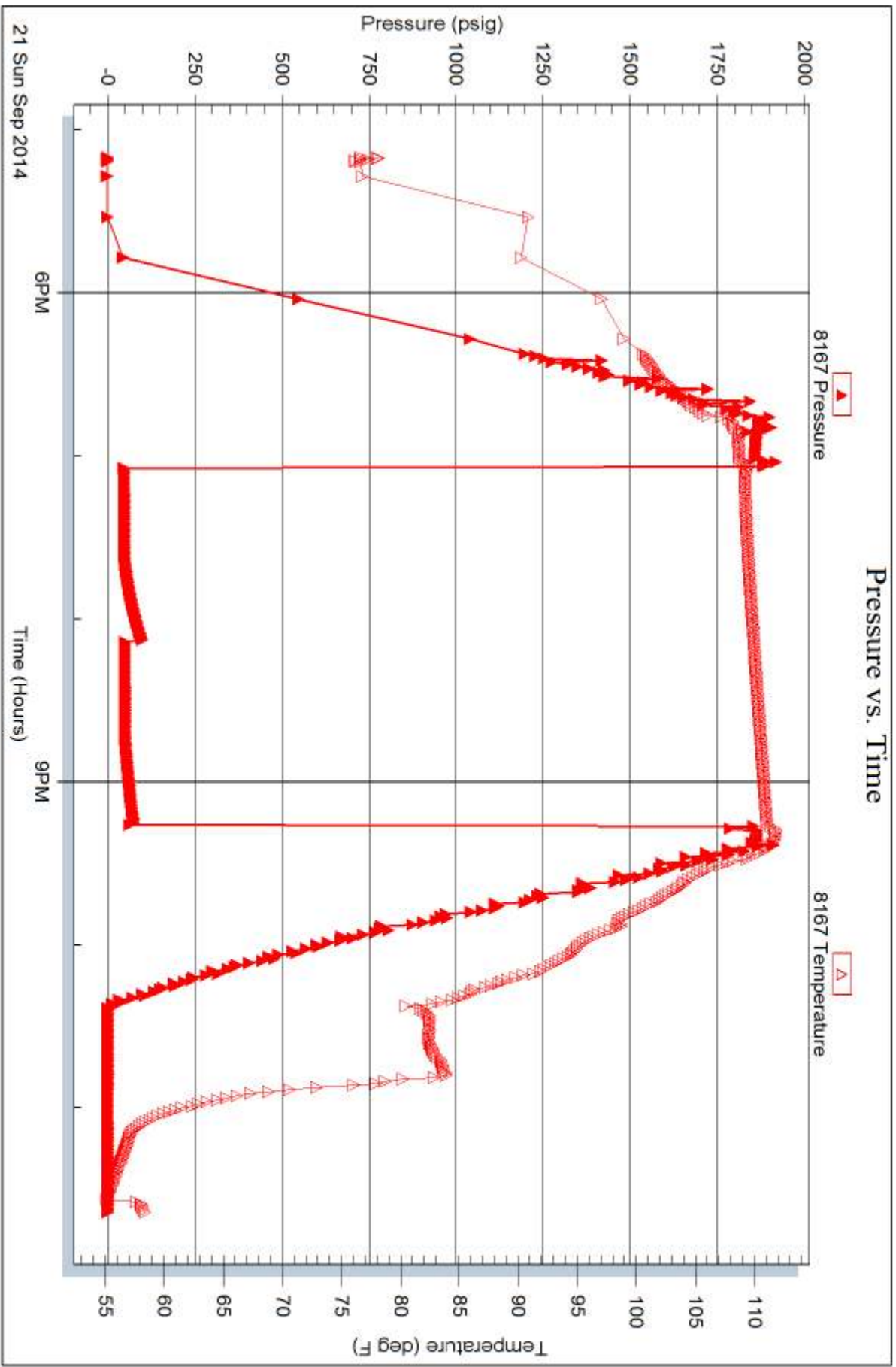
Serial #: 8167

Inside

H & C Oil Operating Inc.

26-7s-24w Graham,KS

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 60534

Printed: 2014.09.23 @ 11:13:24



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60532

Well Name & No. Paxson-rice unit Test No. 1 Date 9-19-14
 Company H+C oil operating INC. Elevation 2394 KB 2388 GL
 Address P.O. Box 86 Plainville KS. 67603
 Co. Rep / Geo. Mark Downing / Charles R. Ramsey Rig Eagle #2
 Location: Sec. 26 Twp. 7-3 Rge. 24 w Co. Graham State KS.

Interval Tested 3665 - 3693 Zone Tested L.K.C. "A"
 Anchor Length 28 Drill Pipe Run 3638 Mud Wt. 9.0
 Top Packer Depth 3660 Drill Collars Run 31 Vis 49
 Bottom Packer Depth 3665 Wt. Pipe Run - WL 6.0
 Total Depth 3693 Chlorides 500 ppm System LCM trace

Blow Description I.F. - 30 - 1/2" INT. Blow Built to (B.O.B. in 8min.)
I.S.F. - 45 - W.S.B.B started @ 1/2 Built to (3" in 45min.)
F.F. - 30 - 3" INT. Blow Built to (B.O.B. in 7min.)
E.S.F. - 48 - W.S.B.B. started @ 1min Built to (5" in 45min.)

Rec	Feet of	%gas	%oil	%water	%mud
0	461' G.I.P	100%			
315	C/O		100%		
126	H, O, C, M, W		30%	40%	30%
189	S, O, M, W		10%	60%	30%

Rec Total 630' BHT 117 Gravity 31.8 API RW .094 @ 65 °F Chlorides 96.000 ppm

(A) Initial Hydrostatic 1803 Test 1150 T-On Location 21:35:00
 (B) First Initial Flow 37 Jars _____ T-Started 22:52:00
 (C) First Final Flow 131 Safety Joint _____ T-Open 22:10:00
 (D) Initial Shut-In 1161 Circ Sub _____ T-Pulled 04:40:00
 (E) Second Initial Flow 150 Hourly Standby _____ T-Out 07:04:00
 (F) Second Final Flow 233 Mileage 130/R.t 201.50 Comments _____
 (G) Final Shut-In 1147 Sampler _____ Thank-you
 (H) Final Hydrostatic 1730 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 45 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 45 Day Standby _____ Total 1351.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1351.50

Approved By _____ Our Representative Bert Harne

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. 60533

Well Name & No. Paxson - rice unit Test No. 2 Date 9-20-14
 Company H+C oil operating INC. Elevation 2394 KB 2388 GL
 Address P.O. Box 86 Plainville KS. 67603
 Co. Rep / Geo. Mark Downing / Charles B. Ramsey Rig Eagle #2
 Location: Sec. 26 Twp. 7-S. Rge. 24-W Co. Graham State KS.

Interval Tested 3690 - 3730 Zone Tested H.H.C "C + D"
 Anchor Length 40 Drill Pipe Run 3672 Mud Wt. 9.2
 Top Packer Depth 3685 Drill Collars Run 31 Vis 60+
 Bottom Packer Depth 3690 Wt. Pipe Run — WL 5.8
 Total Depth 3730 Chlorides 800 ppm System LCM 2*

Blow Description I.F. - 30 - W.S.B. Built to (1" in 30 min.)
I.S.T. - 30 - No B.B.s

F.F. - 30 - No Blow
F.S.T. - 30 - No B.B.

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>OC, M</u>		<u>20</u>		<u>80</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

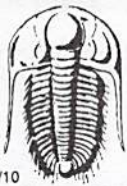
Rec Total 35 BHT 111 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1,832 Test 1150 T-On Location 14:05:00
 (B) First Initial Flow 27 Jars _____ T-Started 14:32:00
 (C) First Final Flow 38 Safety Joint _____ T-Open 17:27:00
 (D) Initial Shut-In 1,016 Circ Sub _____ T-Pulled 19:27:00
 (E) Second Initial Flow 36 Hourly Standby _____ T-Out 21:30:00
 (F) Second Final Flow 45 Mileage 130 / R.t 201.50 Comments _____
 (G) Final Shut-In 985 Sampler _____ Thank-you
 (H) Final Hydrostatic 1,777 Straddle _____ Ruined Shale Packer _____

Initial Open 30 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 30 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 30 Day Standby _____ Total 1351.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1351.50

Approved By _____ Our Representative Bob Hamel

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60534

4/10

Well Name & No. Raxson - Rice unit Test No. 3 Date 9-21-14
 Company H+C oil operating INC. Elevation 2394 KB 2388 GL
 Address P.O. Box 86 Plainville KS, 67603
 Co. Rep / Geo. Mark Downing / Charles R. Ramsey Rig Eagle #2
 Location: Sec. 26 Twp. 7 S. Rge. 24 W Co. Graham State KS.

Interval Tested 3778 - 3860 Zone Tested L.K.C. "H-K"
 Anchor Length 82' Drill Pipe Run 3737 Mud Wt. 9.2
 Top Packer Depth 3773 Drill Collars Run 31 Vis 49
 Bottom Packer Depth 3778 Wt. Pipe Run — WL 6.0
 Total Depth 3860 Chlorides 600 ppm System LCM 1

Blow Description I.F.-30 - 1/4" INT. Blow Built to 3/4" then (Died in 2 min.)
I.S.I.-30 - NO B.B.
F.F.-30 - No Blow
F.S.I.-30 - NO B.B.

Rec	Feet of	%gas	%oil	%water	%mud
<u>3</u>	<u>M</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 _____ BHT 112 Gravity — API RW — @ — °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1893</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>16:30:00</u>
(B) First Initial Flow <u>64</u>	<input type="checkbox"/> Jars _____	T-Started <u>17:10:00</u>
(C) First Final Flow <u>64</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>19:08:00</u>
(D) Initial Shut-In <u>88</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>21:08:00</u>
(E) Second Initial Flow <u>64</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>23:39:00</u>
(F) Second Final Flow <u>63</u>	<input checked="" type="checkbox"/> Mileage <u>130 R.T.</u> 201.50	Comments _____
(G) Final Shut-In <u>70</u>	<input type="checkbox"/> Sampler _____	<u>"Thank-you"</u>
(H) Final Hydrostatic <u>1851</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>30</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>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1351.50</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1351.50</u>	

Approved By _____ Our Representative [Signature]

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