



DRILL STEM TEST REPORT

Prepared For: **H & B Petroleum Corp.**

PO Box 277
Ellinwood KS 67526

ATTN: James Musgrove

Hufford #7

33-21s-13w Stafford,KS

Start Date: 2012.12.19 @ 02:27:42

End Date: 2012.12.19 @ 09:44:27

Job Ticket #: 49747 DST #: 1

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

Printed: 2012.12.24 @ 11:41:20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49747

DST#: 1

ATTN: James Musgrove

Test Start: 2012.12.19 @ 02:27:42

GENERAL INFORMATION:

Formation: **L/KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:38:57
 Time Test Ended: 09:44:27
 Interval: **3380.00 ft (KB) To 3464.00 ft (KB) (TVD)**
 Total Depth: 3464.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1896.00 ft (KB)
 1889.00 ft (CF)
 KB to GR/CF: 7.00 ft

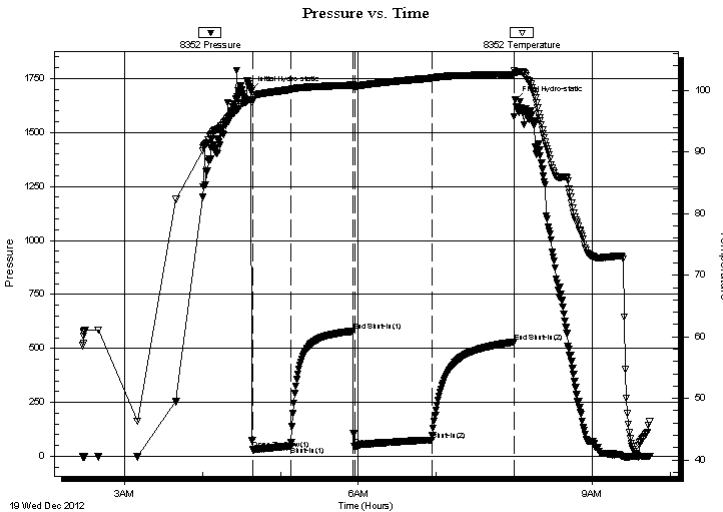
Serial #: 8352

Inside

Press @ RunDepth: 75.94 psig @ 3381.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.12.19 End Date: 2012.12.19 Last Calib.: 2012.12.19
 Start Time: 02:27:47 End Time: 09:44:26 Time On Btm: 2012.12.19 @ 04:37:27
 Time Off Btm: 2012.12.19 @ 08:00:42

TEST COMMENT: IF: Strong blow . B.O.B. in 10 secs. GTS in 25 mins.
 IS: No blow .
 FF: Strong blow . (see gas flow report)
 FS: Weak blow . 1/2 - 3/4".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1692.74	98.53	Initial Hydro-static
2	32.40	98.29	Open To Flow (1)
31	46.41	100.13	Shut-In(1)
79	579.86	100.87	End Shut-In(1)
80	44.71	100.67	Open To Flow (2)
139	75.94	101.99	Shut-In(2)
203	529.72	102.62	End Shut-In(2)
204	1649.65	102.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	GCM w o specs 15%g 85%m	0.43
62.00	SOC,GM 2%o 13%g 85%m	0.87
62.00	GOCM 30%g 8%o 62%m	0.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	30.78
Last Gas Rate	0.25	3.00	27.60
Max. Gas Rate	0.25	5.00	30.78



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49747

DST#: 1

ATTN: James Musgrove

Test Start: 2012.12.19 @ 02:27:42

GENERAL INFORMATION:

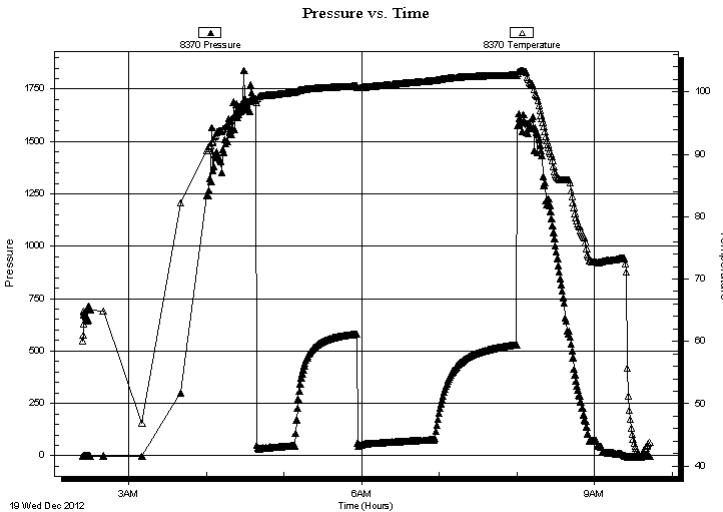
Formation: **L/KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:38:57
 Time Test Ended: 09:44:27
 Interval: **3380.00 ft (KB) To 3464.00 ft (KB) (TVD)**
 Total Depth: 3464.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1896.00 ft (KB)
 1889.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8370 Outside

Press @ Run Depth: psig @ 3381.00 ft (KB)
 Start Date: 2012.12.19 End Date: 2012.12.19
 Start Time: 02:24:17 End Time: 09:42:41
 Capacity: 8000.00 psig
 Last Calib.: 2012.12.19
 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 10 secs. GTS in 25 mins.
 IS: No blow .
 FF: Strong blow . (see gas flow report)
 FS: Weak blow . 1/2 - 3/4".

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
31.00	GCM w o specs 15%g 85%m	0.43
62.00	SOC,GM 2%o 13%g 85%m	0.87
62.00	GOCM 30%g 8%o 62%m	0.87

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	5.00	30.78
Last Gas Rate	0.25	3.00	27.60
Max. Gas Rate	0.25	5.00	30.78



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49747

DST#: 1

ATTN: James Musgrove

Test Start: 2012.12.19 @ 02:27:42

Tool Information

Drill Pipe:	Length: 3372.00 ft	Diameter: 3.80 inches	Volume: 47.30 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: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 47.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3380.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	104.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3361.00	
Shut in tool	5.00			3366.00	
HMV	5.00			3371.00	
Packer	4.00			3375.00	20.00 Bottom Of Top Packer
Packer	5.00			3380.00	
Stubb	1.00			3381.00	
Recorder	0.00	8352	Inside	3381.00	
Recorder	0.00	8370	Outside	3381.00	
Perforations	14.00			3395.00	
Blank Spacing	64.00			3459.00	
Bullnose	5.00			3464.00	84.00 Bottom Packers & Anchor

Total Tool Length: 104.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49747

DST#: 1

ATTN: James Musgrove

Test Start: 2012.12.19 @ 02:27:42

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:

1600 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
31.00	GCM w o specs 15%g 85%m	0.435
62.00	SOC,GM 2%o 13%g 85%m	0.870
62.00	GOCM 30%g 8%o 62%m	0.870

Total Length: 155.00 ft

Total Volume: 2.175 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

H & B Petroleum Corp.

33-21s-13w Stafford, KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49747

DST#: 1

ATTN: James Musgrove

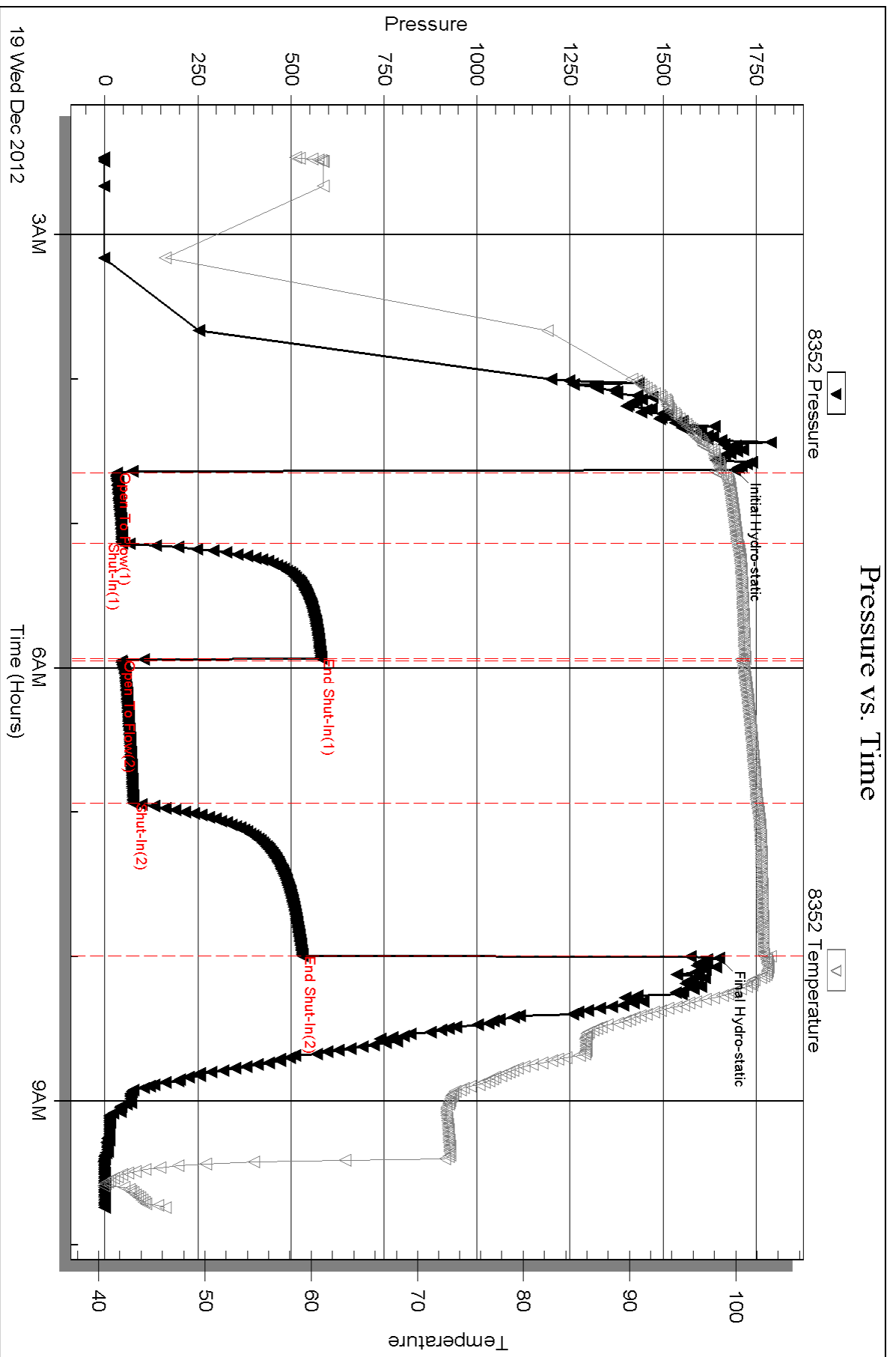
Test Start: 2012.12.19 @ 02:27:42

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.25	5.00	30.78
2	10	0.25	5.00	30.78
2	20	0.25	4.00	29.19
2	30	0.25	3.00	27.60
2	40	0.25	3.00	27.60
2	50	0.25	3.00	27.60

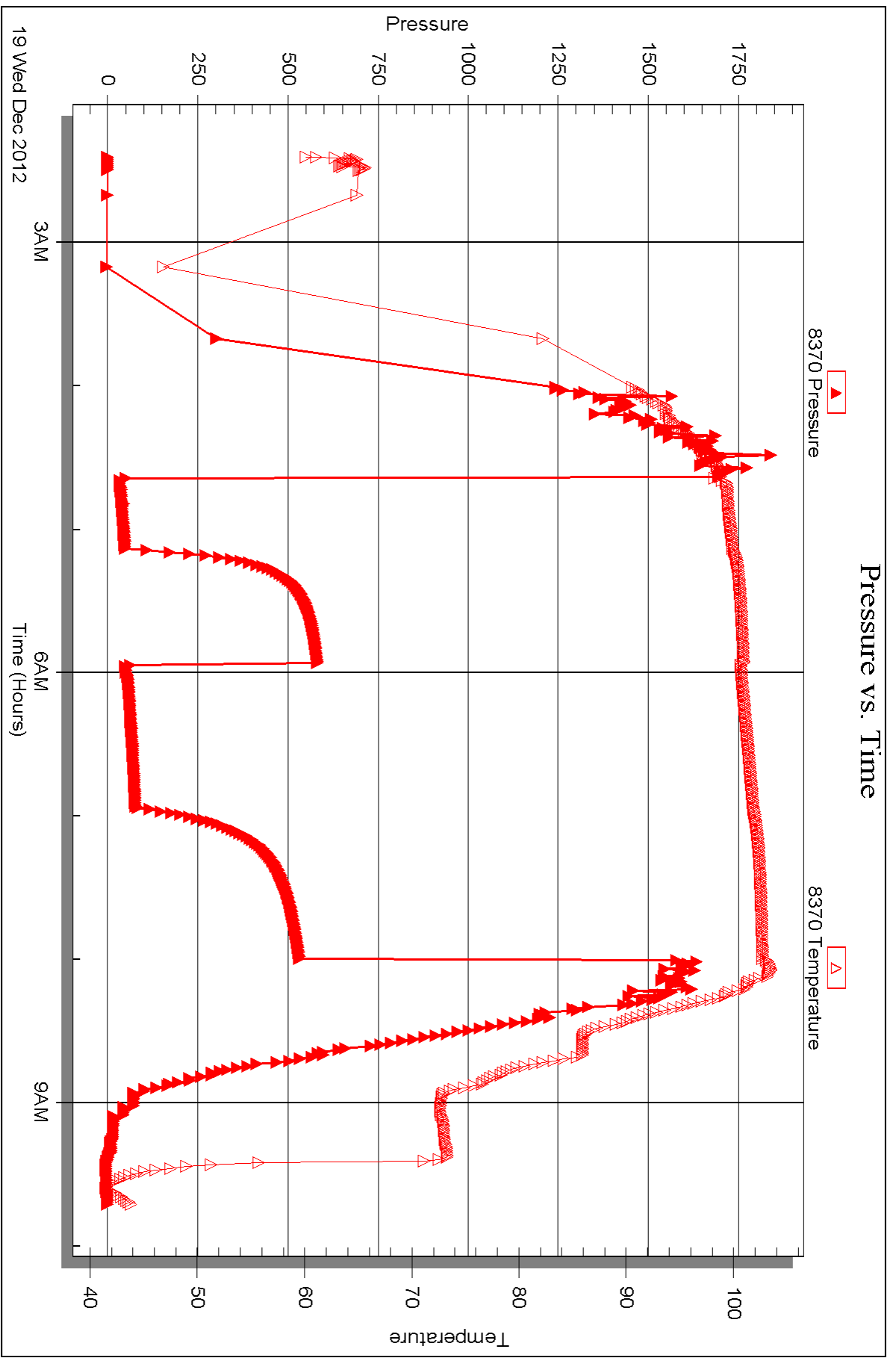


Serial #: 8370

Outside H & B Petroleum Corp.

Hufford #7

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **H & B Petroleum Corp.**

PO Box 277
Ellinwood KS 67526

ATTN: James Musgrove

Hufford #7

33-21s-13w Stafford,KS

Start Date: 2012.12.19 @ 16:47:28

End Date: 2012.12.19 @ 23:26:43

Job Ticket #: 49748 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.24 @ 11:40:38



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49748

DST#: 2

ATTN: James Musgrove

Test Start: 2012.12.19 @ 16:47:28

GENERAL INFORMATION:

Formation: **L /KC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:26:58

Time Test Ended: 23:26:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3490.00 ft (KB) To 3512.00 ft (KB) (TVD)

Reference Elevations: 1896.00 ft (KB)

Total Depth: 3512.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8352

Inside

Press @ Run Depth: 205.09 psig @ 3491.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.19

End Date:

2012.12.19

Last Calib.:

2012.12.19

Start Time: 16:47:33

End Time:

23:26:42

Time On Btm:

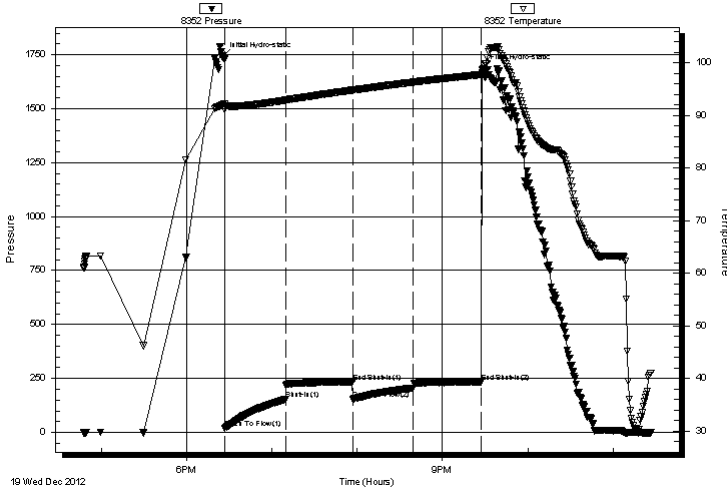
2012.12.19 @ 18:25:28

Time Off Btm:

2012.12.19 @ 21:28:28

TEST COMMENT: IF: Strong blow . B.O.B. in 14 mins.
IS: Weak blow . 1/4 - 1/2" decreasing.
FF: Fair blow . Slow increase to 12".
FS: Weak blow . (surface)

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1741.97	92.02	Initial Hydro-static
2	20.19	91.02	Open To Flow (1)
45	152.86	92.89	Shut-In(1)
92	233.06	94.79	End Shut-In(1)
92	154.25	94.77	Open To Flow (2)
134	205.09	96.30	Shut-In(2)
182	233.40	97.74	End Shut-In(2)
183	1684.12	98.60	Final Hydro-static

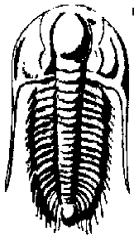
Recovery

Length (ft)	Description	Volume (bbl)
0.00	40 ft.of GIP	0.00
90.00	SOCMW 3%o 24%m 73%w	1.26
350.00	SW w/ o specs	4.91

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49748

DST#: 2

ATTN: James Musgrove

Test Start: 2012.12.19 @ 16:47:28

GENERAL INFORMATION:

Formation: **L /KC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:26:58

Time Test Ended: 23:26:43

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3490.00 ft (KB) To 3512.00 ft (KB) (TVD)

Reference Elevations: 1896.00 ft (KB)

Total Depth: 3512.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8370 **Outside**

Press @ Run Depth: psig @ 3491.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.19

End Date: 2012.12.19

Last Calib.: 2012.12.19

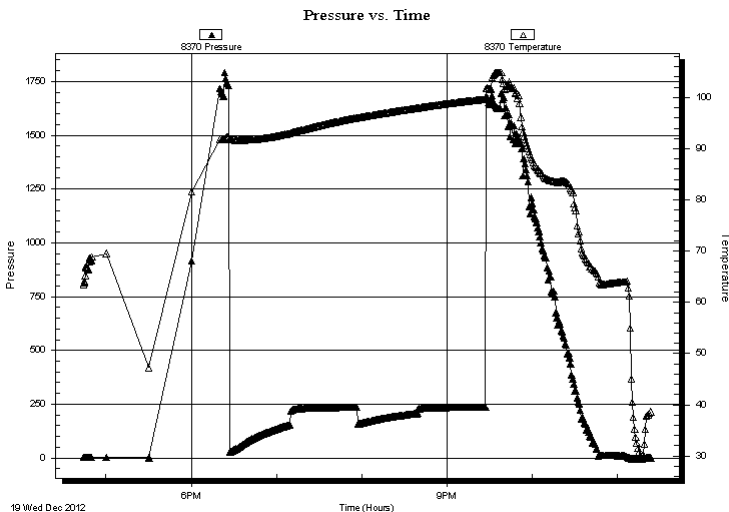
Start Time: 16:44:18

End Time: 23:23:27

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 14 mins.
IS: Weak blow . 1/4 - 1/2" decreasing.
FF: Fair blow . Slow increase to 12".
FS: Weak blow . (surface)



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	40 ft. of GIP	0.00
90.00	SOCMW 3%o 24%m 73%w	1.26
350.00	SW w/ o specs	4.91

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49748

DST#: 2

ATTN: James Musgrove

Test Start: 2012.12.19 @ 16:47:28

Tool Information

Drill Pipe:	Length: 3496.00 ft	Diameter: 3.80 inches	Volume: 49.04 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:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	46000.00 lb
			<u>Total Volume: 49.04 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3490.00 ft			Final	39000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	42.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3471.00	
Shut in tool	5.00			3476.00	
HMV	5.00			3481.00	
Packer	4.00			3485.00	20.00 Bottom Of Top Packer
Packer	5.00			3490.00	
Stubb	1.00			3491.00	
Recorder	0.00	8352	Inside	3491.00	
Recorder	0.00	8370	Outside	3491.00	
Perforations	16.00			3507.00	
Bullnose	5.00			3512.00	22.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49748

DST#: 2

ATTN: James Musgrove

Test Start: 2012.12.19 @ 16:47:28

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:	51000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

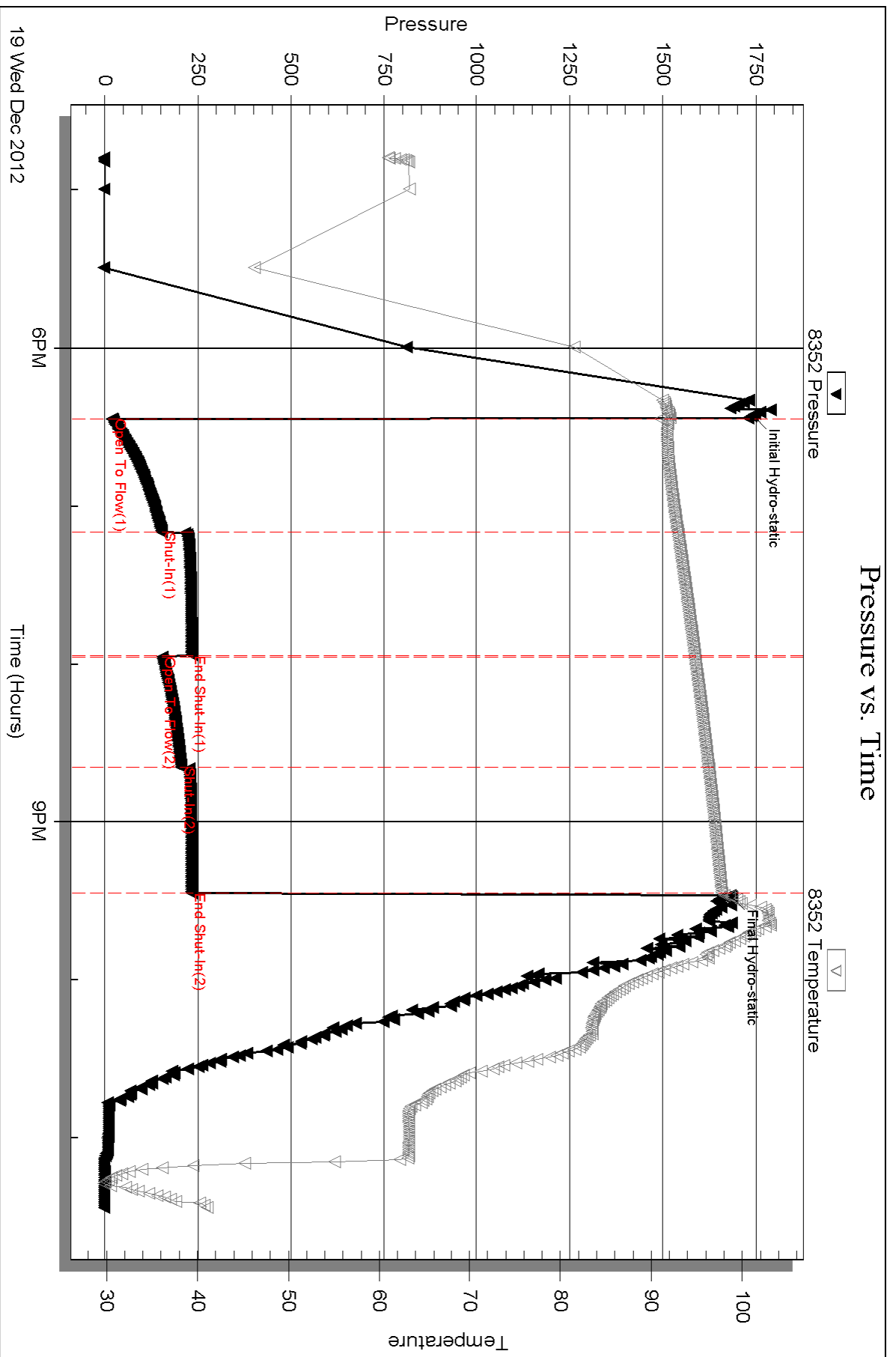
Length ft	Description	Volume bbl
0.00	40 ft.of GIP	0.000
90.00	SOCMW 3%o 24%m 73%w	1.262
350.00	SW w / o specs	4.910

Total Length: 440.00 ft Total Volume: 6.172 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments: Rw .27 ohms @38 deg

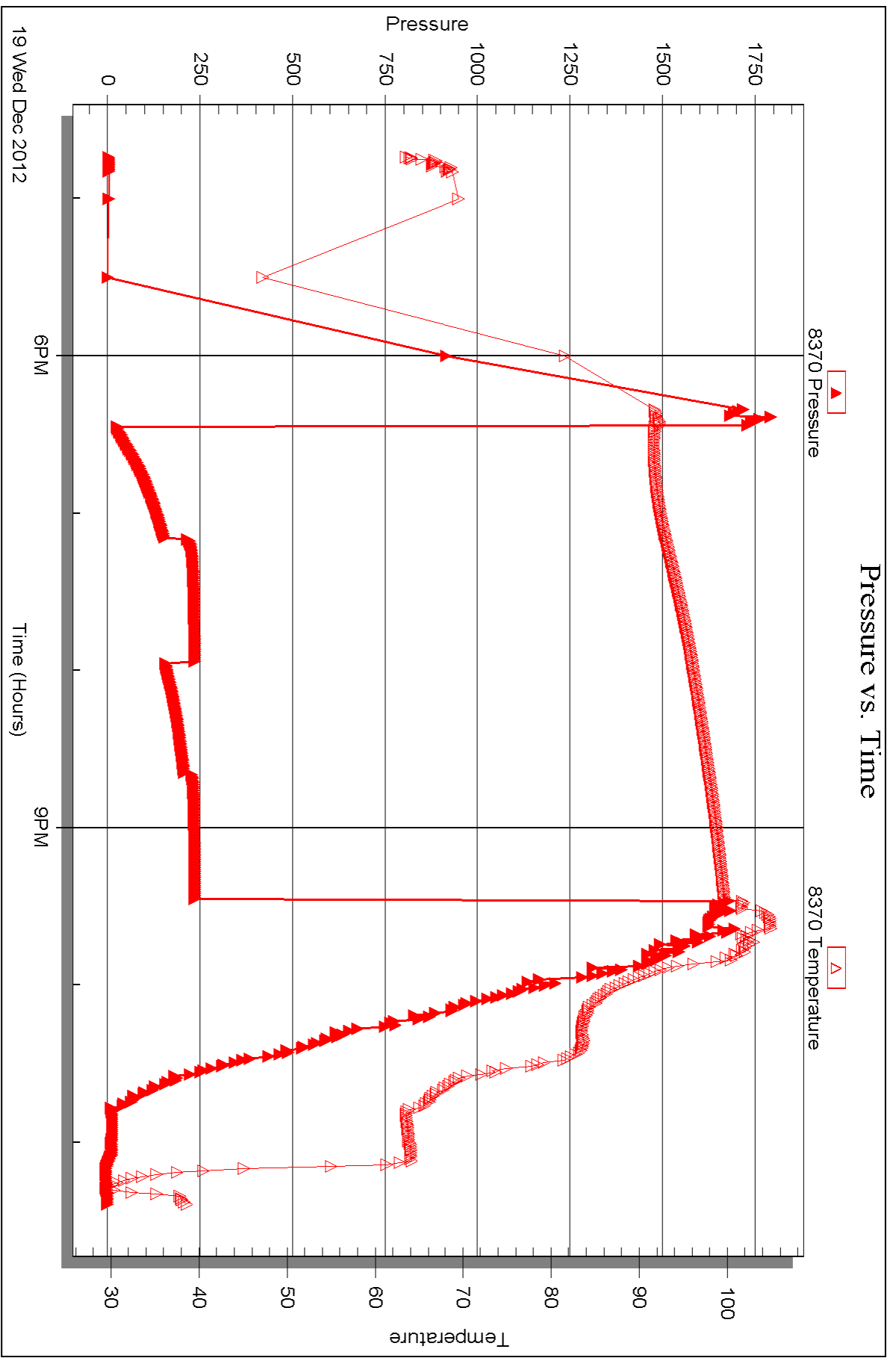


Serial #: 8370

Outside H & B Petroleum Corp.

Hufford #7

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 49748

Printed: 2012.12.24 @ 11:40:44



DRILL STEM TEST REPORT

Prepared For: **H & B Petroleum Corp.**

PO Box 277
Ellinwood KS 67526

ATTN: James Musgrove

Hufford #7

33-21s-13w Stafford,KS

Start Date: 2012.12.20 @ 11:45:15

End Date: 2012.12.20 @ 17:50:15

Job Ticket #: 49749 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.24 @ 11:39:59



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49749

DST#: 3

ATTN: James Musgrove

Test Start: 2012.12.20 @ 11:45:15

GENERAL INFORMATION:

Formation: **L /KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:56:45
 Time Test Ended: 17:50:15
 Interval: **3510.00 ft (KB) To 3600.00 ft (KB) (TVD)**
 Total Depth: 3600.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1896.00 ft (KB)
 1889.00 ft (CF)
 KB to GR/CF: 7.00 ft

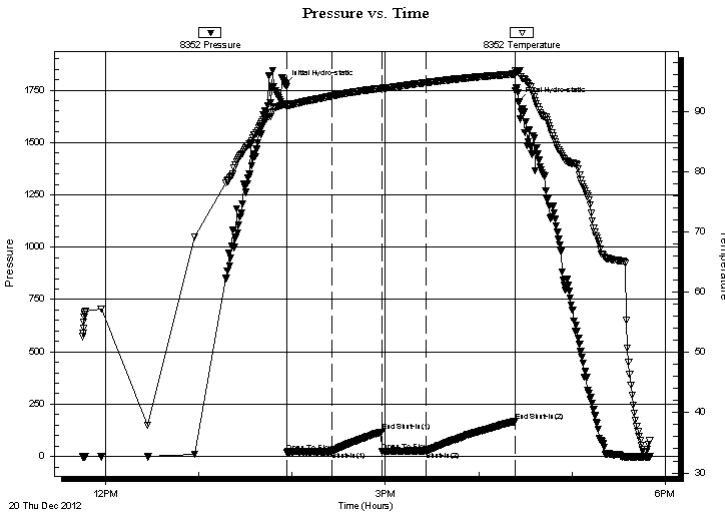
Serial #: 8352

Inside

Press @ RunDepth: 23.85 psig @ 3511.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.12.20 End Date: 2012.12.20 Last Calib.: 2012.12.20
 Start Time: 11:45:20 End Time: 17:50:14 Time On Btm: 2012.12.20 @ 13:55:30
 Time Off Btm: 2012.12.20 @ 16:25:30

TEST COMMENT: IF:Weak blow . 1/2 - 3" in diesel.
 IS:No blow .
 FF:Fair blow . 4 - 10" in diesel.
 FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1777.99	91.12	Initial Hydro-static
2	21.33	90.74	Open To Flow (1)
30	22.57	92.51	Shut-In(1)
62	117.91	93.81	End Shut-In(1)
63	22.33	93.76	Open To Flow (2)
91	23.85	94.71	Shut-In(2)
148	166.95	96.17	End Shut-In(2)
150	1695.46	96.60	Final Hydro-static

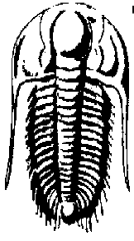
Recovery

Length (ft)	Description	Volume (bbl)
0.00	220 ft.of GIP	0.00
25.00	Drig.mud	0.35

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford, KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49749

DST#: 3

ATTN: James Musgrove

Test Start: 2012.12.20 @ 11:45:15

GENERAL INFORMATION:

Formation: **L /KC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:56:45

Time Test Ended: 17:50:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3510.00 ft (KB) To 3600.00 ft (KB) (TVD)

Reference Elevations: 1896.00 ft (KB)

Total Depth: 3600.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8370 Outside

Press @ RunDepth: psig @ 3511.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.20

End Date: 2012.12.20

Last Calib.: 2012.12.20

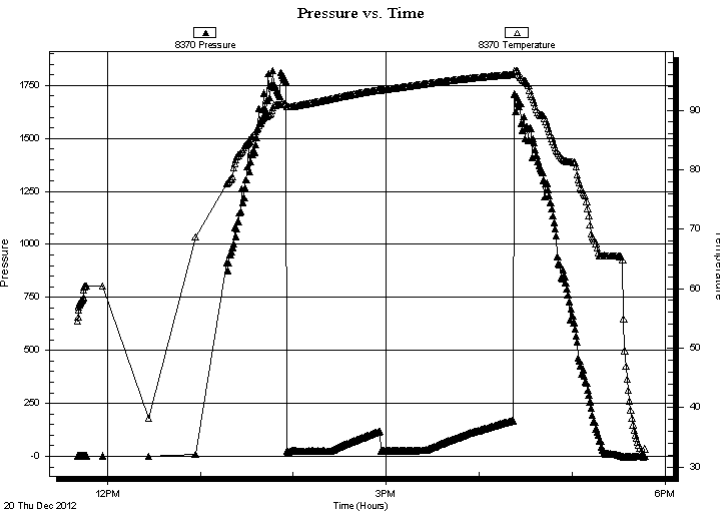
Start Time: 11:40:43

End Time: 17:46:52

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:Weak blow . 1/2 - 3" in diesel.
IS:No blow .
FF:Fair blow . 4 - 10" in diesel.
FS:No blow .



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	220 ft.of GIP	0.00
25.00	Drig.mud	0.35

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49749

DST#: 3

ATTN: James Musgrove

Test Start: 2012.12.20 @ 11:45:15

Tool Information

Drill Pipe:	Length: 3495.00 ft	Diameter: 3.80 inches	Volume: 49.03 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: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 63000.00 lb
			<u>Total Volume: 49.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3510.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	110.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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

C.O. Sub	1.00			3491.00	
Shut in tool	5.00			3496.00	
HMV	5.00			3501.00	
Packer	4.00			3505.00	20.00 Bottom Of Top Packer
Packer	5.00			3510.00	
Stubb	1.00			3511.00	
Recorder	0.00	8352	Inside	3511.00	
Recorder	0.00	8370	Outside	3511.00	
Perforations	11.00			3522.00	
Blank Spacing	64.00			3586.00	
Perforations	9.00			3595.00	
Bullnose	5.00			3600.00	90.00 Bottom Packers & Anchor

Total Tool Length: 110.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49749

DST#: 3

ATTN: James Musgrove

Test Start: 2012.12.20 @ 11:45:15

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:

5000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	220 ft.of GIP	0.000
25.00	Drig.mud	0.351

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

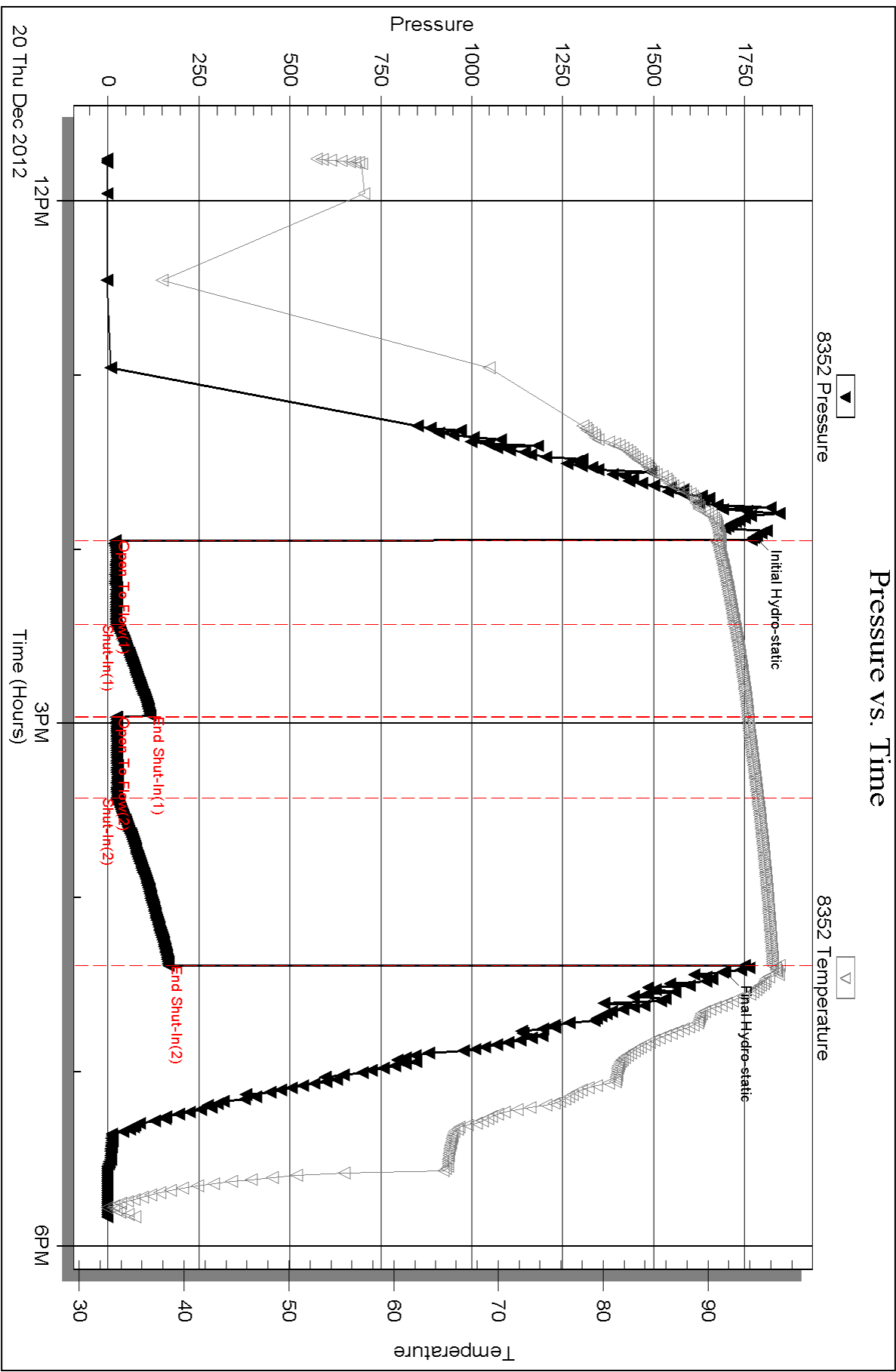
Serial #: 8352

Inside

H & B Petroleum Corp.

Hufford #7

DST Test Number: 3

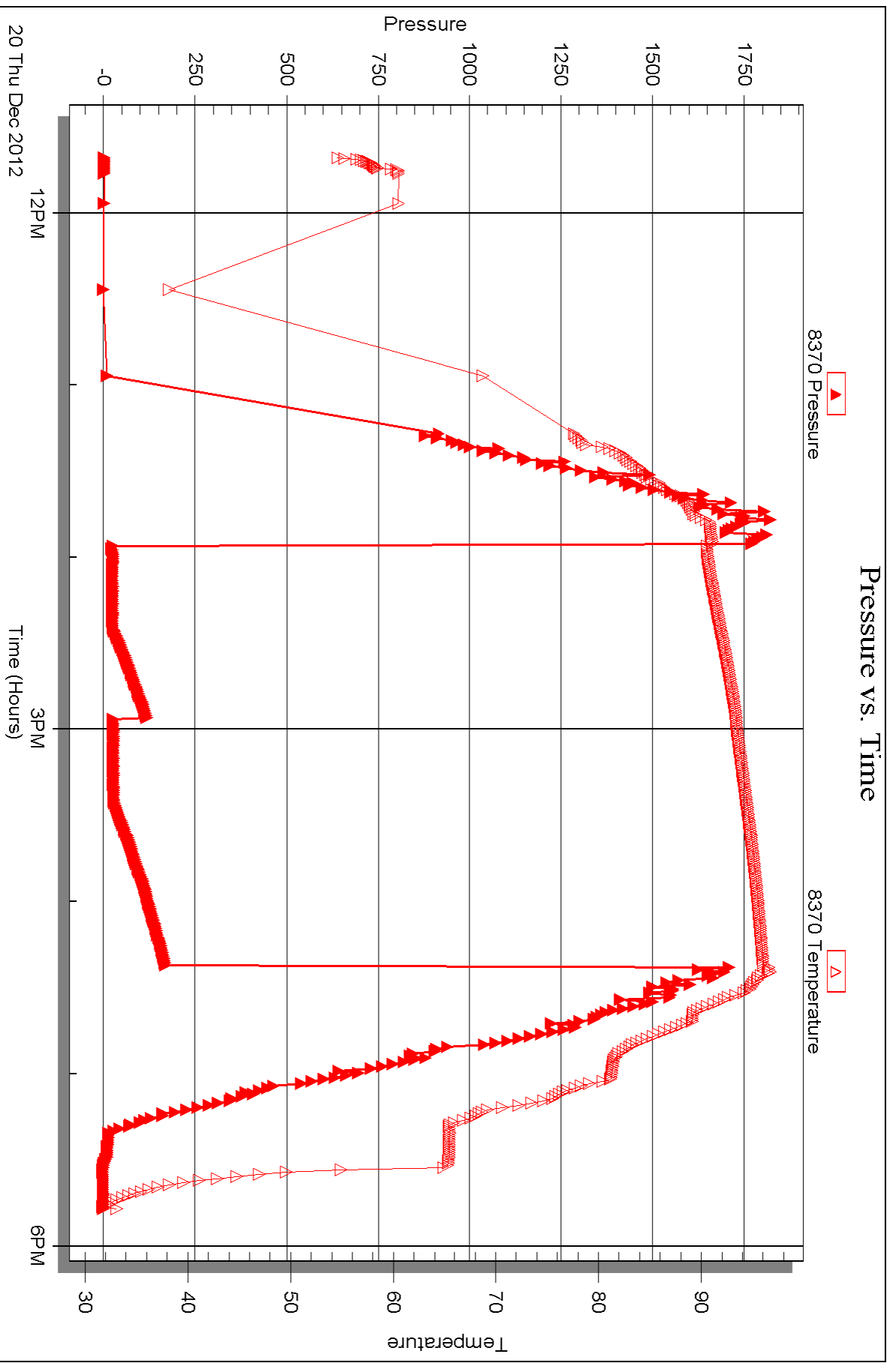


Serial #: 8370

Outside H & B Petroleum Corp.

Hufford #7

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **H & B Petroleum Corp.**

PO Box 277
Ellinwood KS 67526

ATTN: James Musgrove

Hufford #7

33-21s-13w Stafford,KS

Start Date: 2012.12.21 @ 10:25:31

End Date: 2012.12.21 @ 16:27:31

Job Ticket #: 49750 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.24 @ 11:37:56



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford, KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49750

DST#: 4

ATTN: James Musgrove

Test Start: 2012.12.21 @ 10:25:31

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:56:01

Time Test Ended: 16:27:31

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3683.00 ft (KB) To 3742.00 ft (KB) (TVD)

Reference Elevations: 1896.00 ft (KB)

Total Depth: 3742.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8352 Inside

Press @ Run Depth: 239.66 psig @ 3684.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.21 End Date: 2012.12.21

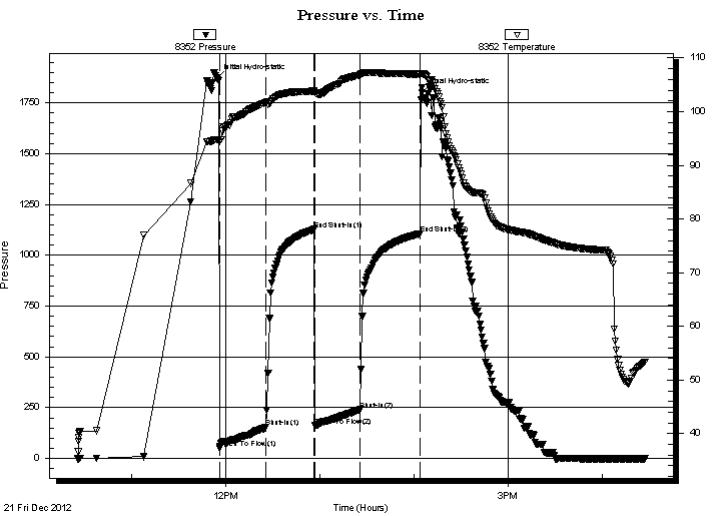
Last Calib.: 2012.12.21

Start Time: 10:25:36 End Time: 16:27:30

Time On Btm: 2012.12.21 @ 11:54:16

Time Off Btm: 2012.12.21 @ 14:05:01

TEST COMMENT: IF: Strong blow . B.O.B. in 90 secs.
 IS: Weak blow . 1/2 - 2 1/2".
 FF: Strong blow . B.O.B. in 2 mins. GTS in 17 mins. TSTM
 FS: Strong blow . B.O.B.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.01	94.74	Initial Hydro-static
2	49.66	94.38	Open To Flow (1)
32	153.18	101.72	Shut-In(1)
62	1126.78	103.80	End Shut-In(1)
63	160.40	103.50	Open To Flow (2)
92	239.66	106.83	Shut-In(2)
130	1105.93	106.96	End Shut-In(2)
131	1801.33	107.09	Final Hydro-static

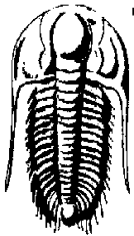
Recovery

Length (ft)	Description	Volume (bbl)
315.00	CGO 33%g 67%o	4.42
160.00	GMCO 51%g 13%m 36%o	2.24
125.00	GMCO 40%g 22%m 38%o	1.75

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H & B Petroleum Corp.
 PO Box 277
 Ellinwood KS 67526
 ATTN: James Musgrove

33-21s-13w Stafford, KS

Hufford #7

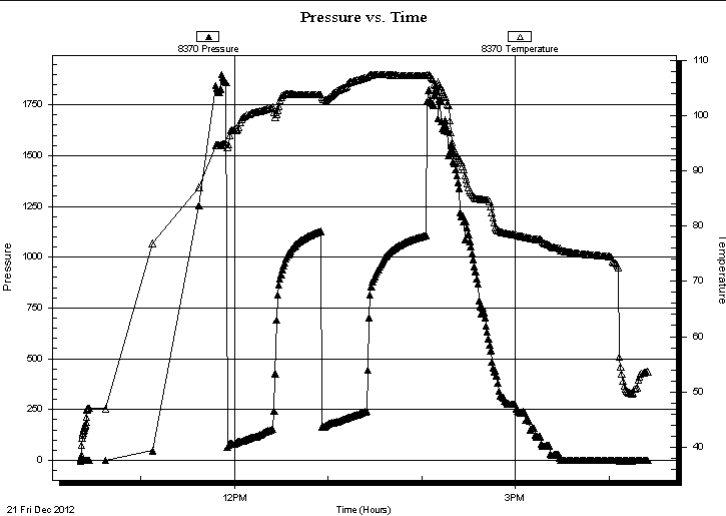
Job Ticket: 49750 **DST#: 4**
 Test Start: 2012.12.21 @ 10:25:31

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 11:56:01 Tester: Gary Pevoteaux
 Time Test Ended: 16:27:31 Unit No: 56
Interval: 3683.00 ft (KB) To 3742.00 ft (KB) (TVD)
 Reference Elevations: 1896.00 ft (KB)
 Total Depth: 3742.00 ft (KB) (TVD) 1889.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 7.00 ft

Serial #: 8370 Outside
 Press @ Run Depth: psig @ 3684.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.12.21 End Date: 2012.12.21 Last Calib.: 2012.12.21
 Start Time: 10:21:28 End Time: 16:24:37 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 90 secs.
 IS: Weak blow . 1/2 - 2 1/2".
 FF: Strong blow . B.O.B. in 2 mins. GTS in 17 mins. TSTM
 FS: Strong blow . B.O.B.



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

Recovery

Length (ft)	Description	Volume (bbl)
315.00	CGO 33%g 67%o	4.42
160.00	GMCO 51%g 13%m 36%o	2.24
125.00	GMCO 40%g 22%m 38%o	1.75

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49750

DST#: 4

ATTN: James Musgrove

Test Start: 2012.12.21 @ 10:25:31

Tool Information

Drill Pipe:	Length: 3682.00 ft	Diameter: 3.80 inches	Volume: 51.65 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: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: 51.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3683.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

C.O. Sub	1.00			3664.00	
Shut in tool	5.00			3669.00	
HMV	5.00			3674.00	
Packer	4.00			3678.00	20.00 Bottom Of Top Packer
Packer	5.00			3683.00	
Stubb	1.00			3684.00	
Recorder	0.00	8352	Inside	3684.00	
Recorder	0.00	8370	Outside	3684.00	
Perforations	11.00			3695.00	
Blank Spacing	32.00			3727.00	
Perforations	10.00			3737.00	
Bullnose	5.00			3742.00	59.00 Bottom Packers & Anchor

Total Tool Length: 79.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 49750

DST#: 4

ATTN: James Musgrove

Test Start: 2012.12.21 @ 10:25:31

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36.6 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

5000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
315.00	CGO 33%g 67%o	4.419
160.00	GMCO 51%g 13%m 36%o	2.244
125.00	GMCO 40%g 22%m 38%o	1.753

Total Length: 600.00 ft

Total Volume: 8.416 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

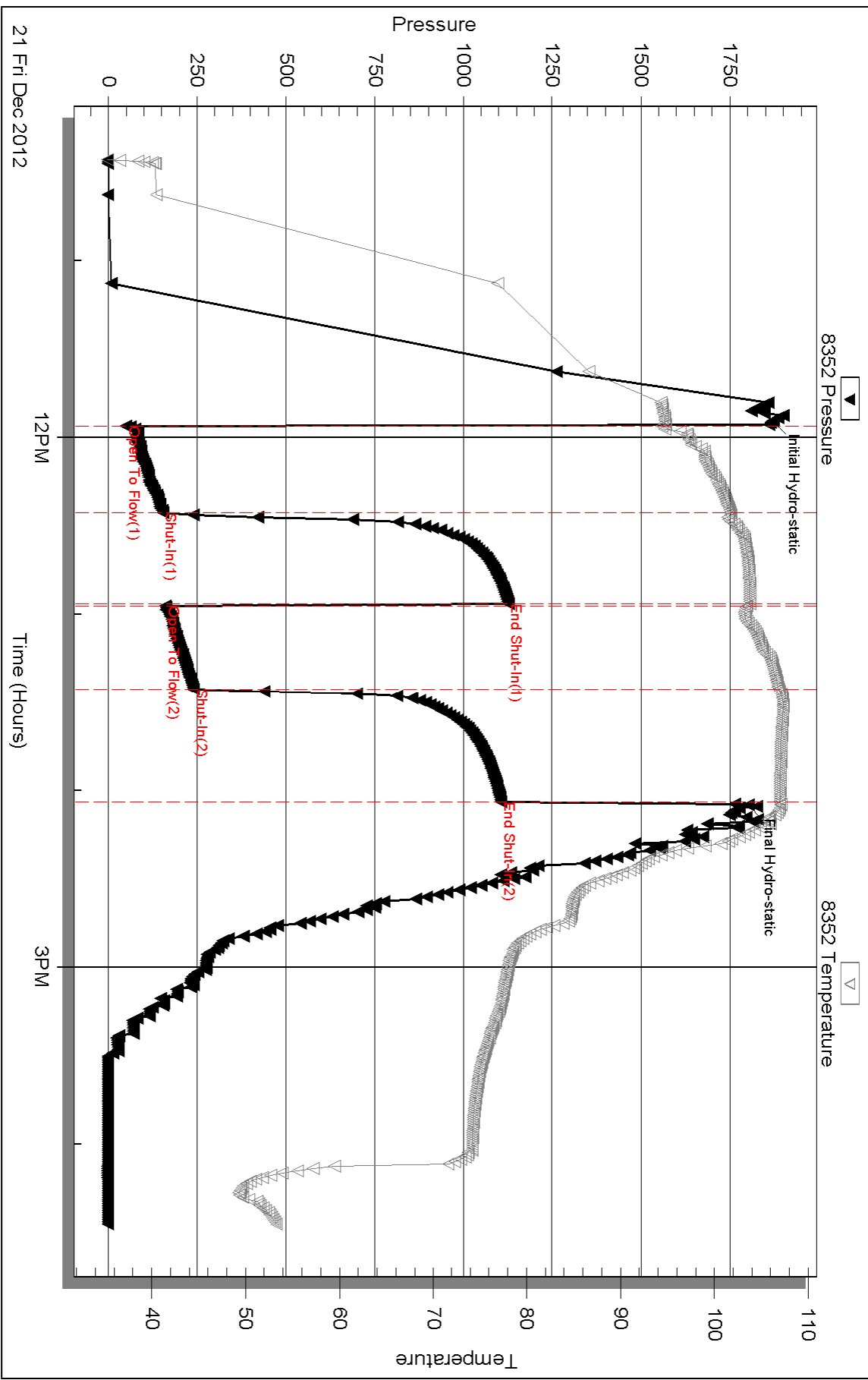
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

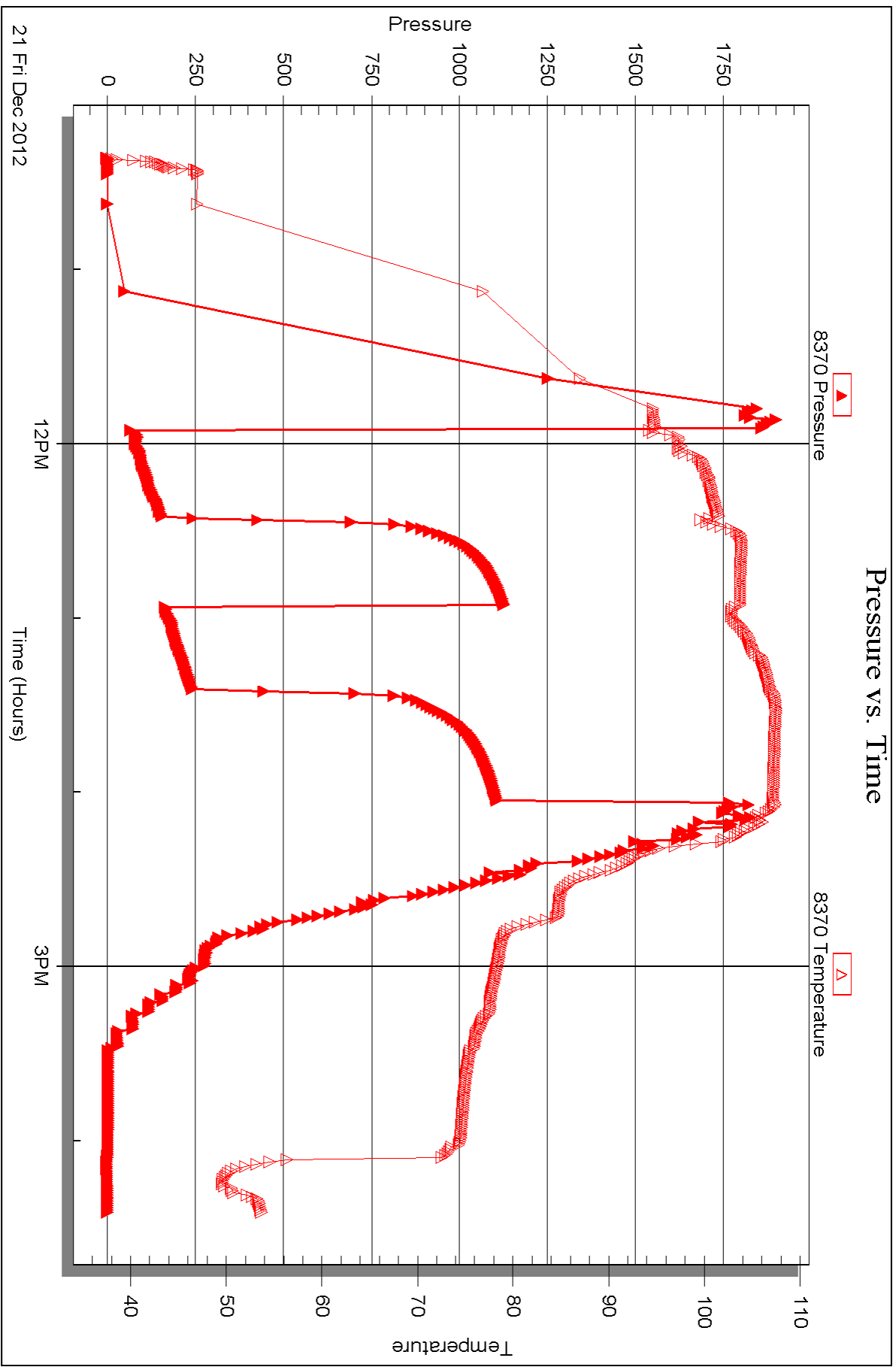


Serial #: 8370

Outside H & B Petroleum Corp.

Hufford #7

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 49750

Printed: 2012.12.24 @ 11:38:00



DRILL STEM TEST REPORT

Prepared For: **H & B Petroleum Corp.**

PO Box 277
Ellinwood KS 67526

ATTN: James Musgrove

Hufford #7

33-21s-13w Stafford,KS

Start Date: 2012.12.22 @ 01:03:35

End Date: 2012.12.22 @ 08:07:20

Job Ticket #: 50826 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.12.24 @ 11:36:58



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford, KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 50826

DST#: 5

ATTN: James Musgrove

Test Start: 2012.12.22 @ 01:03:35

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:33:20

Time Test Ended: 08:07:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 3746.00 ft (KB) To 3755.00 ft (KB) (TVD)

Reference Elevations: 1896.00 ft (KB)

Total Depth: 3755.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8352

Inside

Press @ Run Depth: 448.43 psig @ 3747.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.22

End Date:

2012.12.22

Last Calib.:

2012.12.22

Start Time: 01:03:40

End Time:

08:07:19

Time On Btm:

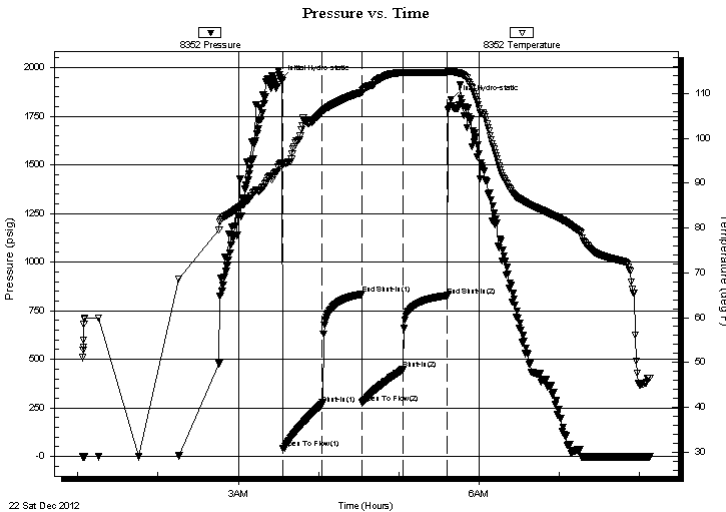
2012.12.22 @ 03:32:05

Time Off Btm:

2012.12.22 @ 05:38:50

TEST COMMENT: IF: Strong blow . B.O.B. in 90 secs.
IS: Weak blow . 1/2 - 3".
FF: Strong blow . B.O.B. in 3 mins.
FS: Weak blow . 1/2 - 3".

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1939.04	94.43	Initial Hydro-static
2	43.90	94.21	Open To Flow (1)
31	268.75	105.88	Shut-In(1)
60	834.25	110.26	End Shut-In(1)
61	276.41	110.17	Open To Flow (2)
91	448.43	114.69	Shut-In(2)
125	827.48	114.67	End Shut-In(2)
127	1836.29	114.97	Final Hydro-static

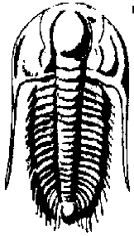
Recovery

Length (ft)	Description	Volume (bbl)
0.00	35 ft. of GIP	0.00
25.00	CGO 14%g 86%o	0.35
125.00	OCMW 12%o 20%m 68%w	1.75
830.00	SOCW <1%o 99%w	11.64

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

H & B Petroleum Corp.

33-21s-13w Stafford, KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 50826

DST#: 5

ATTN: James Musgrove

Test Start: 2012.12.22 @ 01:03:35

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:33:20

Time Test Ended: 08:07:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: **3746.00 ft (KB) To 3755.00 ft (KB) (TVD)**

Reference Elevations: 1896.00 ft (KB)

Total Depth: 3755.00 ft (KB) (TVD)

1889.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8370 Outside

Press @ Run Depth: psig @ 3747.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.12.22

End Date:

2012.12.22

Last Calib.:

2012.12.22

Start Time: 00:59:40

End Time:

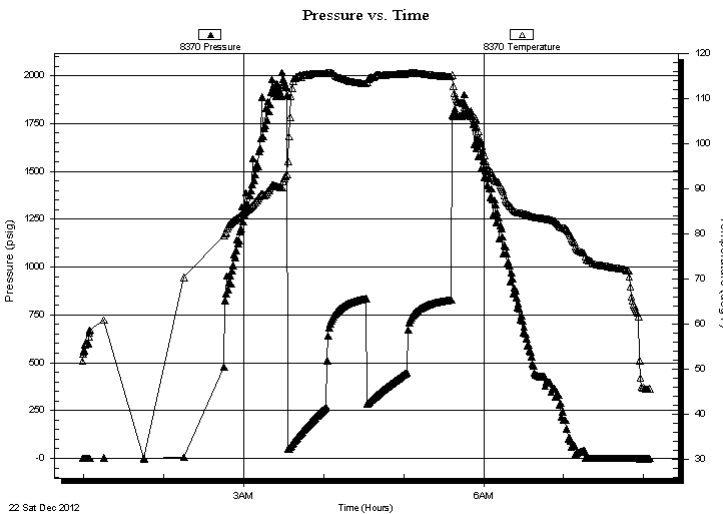
08:04:19

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 90 secs.
IS: Weak blow . 1/2 - 3".
FF: Strong blow . B.O.B. in 3 mins.
FS: Weak blow . 1/2 - 3".

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	35 ft. of GIP	0.00
25.00	CGO 14%g 86%o	0.35
125.00	OCMW 12%o 20%m 68%w	1.75
830.00	SOCW <1%o 99%w	11.64

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 50826

DST#: 5

ATTN: James Musgrove

Test Start: 2012.12.22 @ 01:03:35

Tool Information

Drill Pipe:	Length: 3747.00 ft	Diameter: 3.80 inches	Volume: 52.56 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: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 52.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3746.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	29.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

C.O. Sub	1.00			3727.00	
Shut in tool	5.00			3732.00	
HMV	5.00			3737.00	
Packer	4.00			3741.00	20.00 Bottom Of Top Packer
Packer	5.00			3746.00	
Stubb	1.00			3747.00	
Recorder	0.00	8352	Inside	3747.00	
Recorder	0.00	8370	Outside	3747.00	
Perforations	3.00			3750.00	
Bullnose	5.00			3755.00	9.00 Bottom Packers & Anchor
Total Tool Length:	29.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & B Petroleum Corp.

33-21s-13w Stafford,KS

PO Box 277
Ellinwood KS 67526

Hufford #7

Job Ticket: 50826

DST#: 5

ATTN: James Musgrove

Test Start: 2012.12.22 @ 01:03:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

21.3 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

33000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.18 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	35 ft.of GIP	0.000
25.00	CGO 14%g 86%o	0.351
125.00	OCMW 12%o 20%m 68%w	1.753
830.00	SOCW <1%o 99%w	11.643

Total Length: 980.00 ft Total Volume: 13.747 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

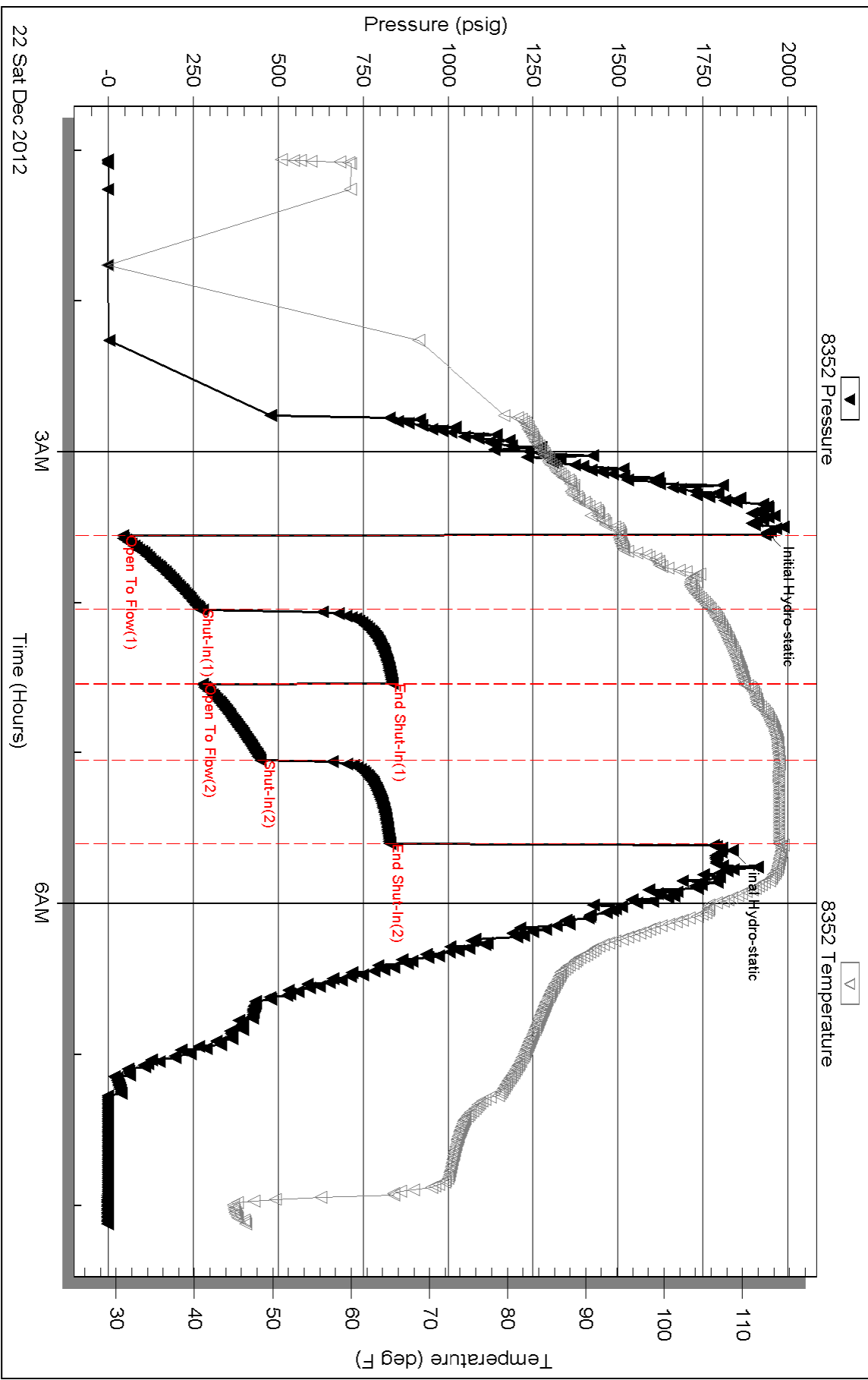
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .42ohms @35deg

Pressure vs. Time

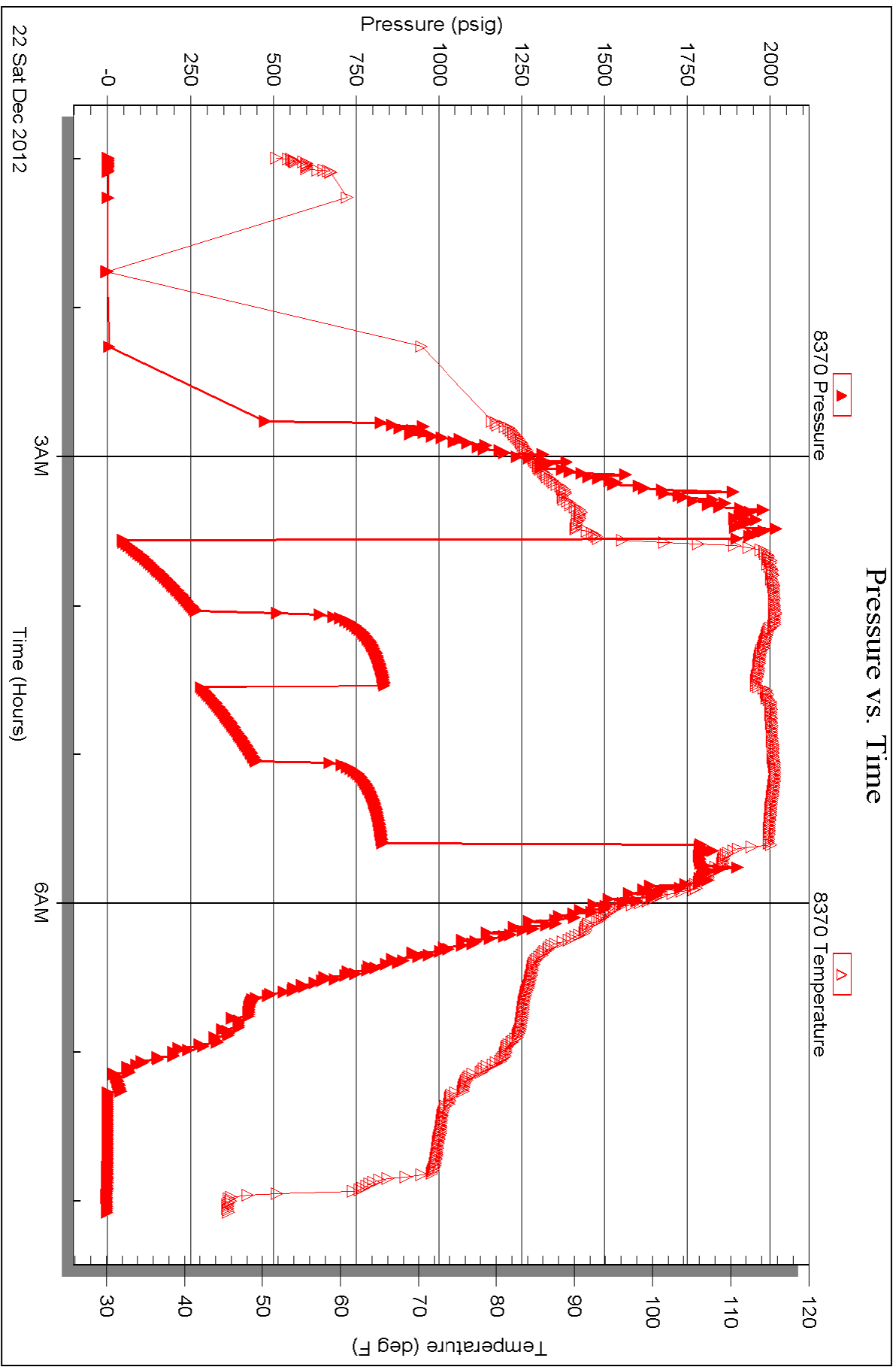


Serial #: 8370

Outside H & B Petroleum Corp.

Hurford#7

DST Test Number: 5





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49747

4/10

Well Name & No. HUFFORD #7 Test No. 1 Date 12-19-12
 Company H & B PETROLEUM CORP. Elevation 1896 KB 1089 GL
 Address P.O. Box 277, ELLINWOOD Ks. 67526
 Co. Rep / Geo. JIM MUSGROVE Rig SOUTHWIND DRUG #4
 Location: Sec. 33 Twp. 21 Rge. 13^w Co. STAFFORD State Ks.

Interval Tested 3380 - 3464' Zone Tested L/KE
 Anchor Length 84' Drill Pipe Run 3372' Mud Wt. 9.2
 Top Packer Depth 3375' Drill Collars Run 0 Vis 60
 Bottom Packer Depth 3380' Wt. Pipe Run 0 WL 8.0
 Total Depth 3464' Chlorides 1600 ppm System LCM 0

Blow Description IF: Strong blow, 3.0.B. in 10 sec. GTS in 25 mins.
ISI: No blow.
FF: Strong blow, (see gas flow report) FSI: Weak blow. 1/2 - 3/4".

Rec	Feet of	%gas	%oil	%water	%mud
31	GCM w o apcs				
62	SOC, GM	13	2		85
62	GOCM	30	8		62

Rec Total ISS Fluid BHT 103° Gravity N/A API RW NC @ ~ ° F Chlorides 1600 ppm

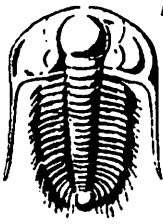
(A) Initial Hydrostatic 1693 Test 1150 T-On Location 0118
 (B) First Initial Flow 32 Jars T-Started 0227
 (C) First Final Flow 46 Safety Joint T-Open 0438
 (D) Initial Shut-In 580 Circ Sub T-Pulled 0801
 (E) Second Initial Flow 45 Hourly Standby T-Out 0944
 (F) Second Final Flow 76 Mileage 75 116.25 Comments _____
 (G) Final Shut-In 530 Sampler _____
 (H) Final Hydrostatic 1650 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60

Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1266.25 MP/DST Disc't _____

Approved By [Signature] Our Representative Gary P. [Signature]
 TriLOBITE Testing Inc. shall not be liable for damaged or 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.

P.O. Box 362 • Hays, Kansas 67601 • (785) 625-4778

GAS VOLUME REPORT

H & B PETROLEUM CORP.

HUFFORD

#7

OPERATOR

WELL NAME AND NO.

DST NO. 1

INITIAL OPEN

FINAL OPEN

Min.	Ins. of Water PSIG	Orifice Size	M CF/D	Min.	Ins. of Water PSIG	Orifice Size	M CF/D
25	~	1/4"	GTS	10	5 PSI	1/4"	31
				20	4 PSI	1/4"	29
				30	3 PSI	1/4"	28
				40	3 PSI	1/4"	28
				50	3 PSI	1/4"	28
				60	2.5 PSI	1/4"	27

Remarks:



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49748

4/10

Well Name & No. HUFFORD # 7 Test No. 2 Date 12-19-12
 Company H&B PETROLEUM CORP. Elevation 1896 KB 1889 GL
 Address P.O. Box 277, ELLINWOOD Ks. 67526
 Co. Rep / Geo. Jim Musgrove Rig SOUTHWIND DRILL #4
 Location: Sec. 33 Twp. 21S Rge. 13W Co. STAFFORD State KS.

Interval Tested 3490 - 3512' Zone Tested L/KC
 Anchor Length 22' Drill Pipe Run 3496' Mud Wt. 9.2
 Top Packer Depth 3485' Drill Collars Run 0 Vis 59
 Bottom Packer Depth 3490' Wt. Pipe Run 0 WL 8.0cc
 Total Depth 3512' Chlorides 2,000 ppm System LCM 0

Blow Description IF: Strong blow. B.O.B. in 14 mins. IST: Wake below, 1/4-1/2" decreasing.
FF: Fair blow, slow increase to 12". FST: Wake below.
(surface)

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>Gas in pipe</u>				
<u>90</u>	<u>50CMW</u>	<u>3</u>	<u>73</u>	<u>24</u>	
<u>350</u>	<u>SW w o specs.</u>				

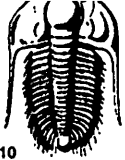
Rec Total 440 Fluid BHT 99° Gravity N/A API RW 27 @ 38° F Chlorides 51,000 ppm

(A) Initial Hydrostatic 1742 Test 1150 T-On Location 1616
 (B) First Initial Flow 20 Jars T-Started 1647
 (C) First Final Flow 153 Safety Joint T-Open 1826
 (D) Initial Shut-In 233 Circ Sub T-Pulled 2129
 (E) Second Initial Flow 154 Hourly Standby T-Out 2326
 (F) Second Final Flow 205 Mileage 75M 116.25 Comments _____
 (G) Final Shut-In 233 Sampler _____
 (H) Final Hydrostatic 1684 Straddle _____

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1266.25
 Sub Total 1266.25
 Total 1266.25
 MP/DST Disc't _____

Approved By _____ Our Representative Cory P. [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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49749

Well Name & No. HUFFORD # 7 Test No. 3 Date 12-20-12
 Company H&B PETROLEUM CORP. Elevation 1896 KB 1889 GL
 Address P.O. Box 277, ELLINWOOD Ks. 67526
 Co. Rep / Geo. JIM MUSGROVE Rig SOUTHWIND DRILL #4
 Location: Sec. 33 Twp. 21 S Rge. 13 W Co. STAFFORD State KS

Interval Tested 3510 - 3600' Zone Tested L/KC
 Anchor Length 90' Drill Pipe Run 3495' Mud Wt. 8.9
 Top Packer Depth 3505' Drill Collars Run 0 Vis 59
 Bottom Packer Depth 3510' Wt. Pipe Run 0 WL 9.6 cc
 Total Depth 3600' Chlorides 5,000 ppm System LCM 0
 Blow Description IF: Weak blow, 1/2 - 3" in diesel. ISI: No blow.

FF: Fair blow, 4-10" in diesel. FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>220</u>	<u>Gas in pipe</u>				
<u>25</u>	<u>Dry mud</u>				

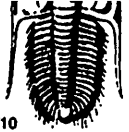
Rec Total 25 Fluid BHT 108.0 Gravity N/A API RW N.C. @ — °F Chlorides 5,000 ppm

(A) Initial Hydrostatic 1778 Test 1150 T-On Location 1039
 (B) First Initial Flow 21 Jars _____ T-Started 1145
 (C) First Final Flow 23 Safety Joint _____ T-Open 1356
 (D) Initial Shut-In 118 Circ Sub _____ T-Pulled 1613
 (E) Second Initial Flow 22 Hourly Standby _____ T-Out 1750
 (F) Second Final Flow 24 Mileage (25) 116.25 Comments _____
 (G) Final Shut-In 167 Sampler _____
 (H) Final Hydrostatic 1695 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1266.25
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1266.25

Approved By _____

Our Representative Gary Twilley

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Well Name & No. HUFFORD #7 Test No. 4 Date 12-21-12
 Company H & B PETROLEUM CORP. Elevation 1896 KB 1889 GL
 Address ELMWOOD Ks. 67526
 Co. Rep / Geo. SIM MUSGROVE Rig SOUTHWIND DRILLING II
 Location: Sec. 33 Twp. 21S Rge. 13W Co. STAFFORD State Ks.

Interval Tested 3683-3742' Zone Tested Viana / ARBUCKLE
 Anchor Length 59' Drill Pipe Run 3682' Mud Wt. 9.1
 Top Packer Depth 3678' Drill Collars Run 0 Vis 56
 Bottom Packer Depth 3683' Wt. Pipe Run 0 WL 9.2 cc
 Total Depth 3742' Chlorides 5,000 ppm System LCM 0

Blow Description IF: Strong blow. B.O.B. in 90 secs. IST: Weak blow. 1/2 - 2 1/2".
FF: Strong blow. B.O.B. in 2 mins. GTS in 12 mins. TSTM
ESI: Strong blow. B.O.B.

Rec	Feet of	%gas	%oil	%water	%mud
<u>315</u>	<u>CGO</u>	<u>33</u>	<u>67</u>	<u>0</u>	<u>0</u>
<u>160</u>	<u>GMCO</u>	<u>51</u>	<u>36</u>	<u>13</u>	<u>0</u>
<u>125</u>	<u>GMCO</u>	<u>40</u>	<u>38</u>	<u>22</u>	<u>0</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 600 fluid BHT 104° Gravity 36.6 API RW N.C. @ °F Chlorides 5,000 ppm
 (A) Initial Hydrostatic 1869 Test 1150 T-On Location 1010
 (B) First Initial Flow 50 Jars _____ T-Started 1025
 (C) First Final Flow 153 Safety Joint _____ T-Open 1156
 (D) Initial Shut-In 1127 Circ Sub _____ T-Pulled 1400
 (E) Second Initial Flow 160 Hourly Standby _____ T-Out 1627
 (F) Second Final Flow 240 Mileage 750 116.25 Comments _____
 (G) Final Shut-In 1106 Sampler _____
 (H) Final Hydrostatic 1801 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Sub Total 0
 Total 1266.25
 MP/DST Disc _____
 Sub Total 1266.25

Approved By _____ Our Representative Cory [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **50826**

4/10

Well Name & No. HUFFORD #7 Test No. 5 Date 12-22-12
 Company HEB PETROLEUM CORP. Elevation 1896 KB 1889 GL
 Address ELIWOOD KS 67526
 Co. Rep / Geo. JIM MUSCROVE Rig SOUTHWIND DRUG #4
 Location: Sec. 33 Twp. 21^S Rge. 13^W Co. STAFFORD State Ks

Interval Tested 3746 - 3755' Zone Tested ARBUCKLE
 Anchor Length 9' Drill Pipe Run 3747' Mud Wt. 9.1
 Top Packer Depth 3741' Drill Collars Run 0 Vis 61
 Bottom Packer Depth 3746' Wt. Pipe Run 0 WL 9.2
 Total Depth 3755 Chlorides 5,000 ppm System LCM 0

Blow Description IF: Strong blow, B.O.B. in 90 sec. ISI: Weak blow, 1/2-3".
FF: Strong blow, B.O.B. in 3 mins. FSI: Weak blow, 1/2-3".

Rec	Feet of	%gas	%oil	%water	%mud
<u>35</u>	<u>G-IP</u>				
<u>25</u>	<u>BOCGO</u>				
<u>125</u>	<u>OCMW</u>		<u>12</u>	<u>68</u>	<u>20</u>
<u>830</u>	<u>SOCW</u>		<u>41</u>	<u>99</u>	

Rec Total 980 Fluid BHT 117° Gravity N/A API RW .42 @ 36 °F Chlorides 33,000 ppm

(A) Initial Hydrostatic 1939 Test 1150 T-On Location 0026
 (B) First Initial Flow 44 Jars _____ T-Started 0103
 (C) First Final Flow 269 Safety Joint _____ T-Open 0333
 (D) Initial Shut-In 834 Circ Sub _____ T-Pulled 0534
 (E) Second Initial Flow 226 Hourly Standby _____ T-Out 0807
 (F) Second Final Flow 448 Mileage 75 116.25
 (G) Final Shut-In 827 Sampler _____
 (H) Final Hydrostatic 1836 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1266.25

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1266.25
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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