



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H&B Petroleum Corp

2-21s-12w Stafford, KS

PO Box 277
Ellinwood KS 67526

Salem V #1

Job Ticket: 49666

DST#: 1

ATTN: Al Hammersmith/Jim M

Test Start: 2012.10.22 @ 23:26:24

GENERAL INFORMATION:

Formation: **Lower Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:43:09

Time Test Ended: 06:48:54

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Staats

Unit No: 47

Interval: **3271.00 ft (KB) To 3334.00 ft (KB) (TVD)**

Total Depth: 3334.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1830.00 ft (KB)

1822.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6755

Outside

Press@RunDepth: 31.93 psig @ 3272.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.22 End Date: 2012.10.23

Last Calib.: 2012.10.23

Start Time: 23:26:29 End Time: 06:48:53

Time On Btm: 2012.10.23 @ 01:40:09

Time Off Btm: 2012.10.23 @ 05:00:24

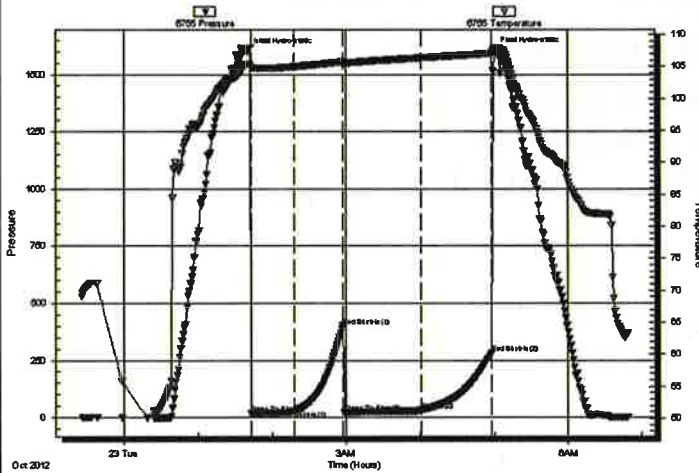
TEST COMMENT: IF: Weak blow 1 3/4"

IS: No blow back

FF: Weak blow 1 3/4"

FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

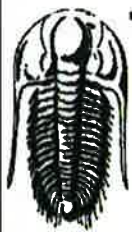
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1600.31	105.29	Initial Hydro-static
3	18.03	104.85	Open To Flow (1)
38	28.85	104.96	Shut-In(1)
78	400.04	105.75	End Shut-In(1)
80	23.40	105.56	Open To Flow (2)
141	31.93	106.34	Shut-In(2)
198	280.55	107.06	End Shut-In(2)
201	1602.40	107.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud with oil spots 1%oil 99% mud	0.42

Gas Rates

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



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PO Box 277
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Salem V #1

Job Ticket: 49666

DST#: 1

ATTN: Al Hammersmith/Jim M

Test Start: 2012.10.22 @ 23:26:24

GENERAL INFORMATION:

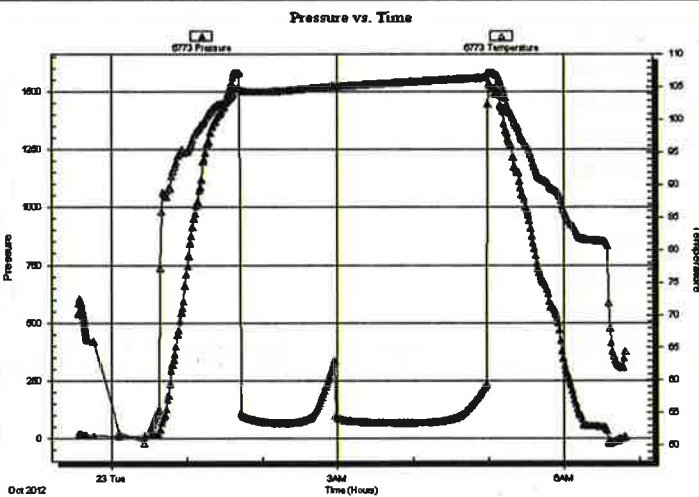
Formation: Lower Lansing	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Chris Staats
Time Tool Opened: 01:43:09	Unit No: 47
Time Test Ended: 06:48:54	Reference Elevations: 1830.00 ft (KB)
Interval: 3271.00 ft (KB) To 3334.00 ft (KB) (TVD)	1822.00 ft (CF)
Total Depth: 3334.00 ft (KB) (TVD)	KB to GR/CF: 8.00 ft
Hole Diameter: 7.88 inches Hole Condition: Fair	

Serial #: 6773

Outside

Press@RunDepth: psig @ 3272.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2012.10.22	End Date: 2012.10.23
Start Time: 23:34:01	End Time: 06:48:40
Last Calib.: 2012.10.23	Time On Btm:
Time Off Btm:	

TEST COMMENT: IF: Weak blow 1 3/4"
 IS: No blow back
 FF: Weak blow 1 3/4"
 FS: No blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud with oil spots 1%oil 99% mud	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&B Petroleum Corp

2-21s-12w Stafford,KS

PO Box 277
Ellinwood KS 67526

Salem V #1

Job Ticket: 49666

DST#: 1

ATTN: Al Hammersmith/Jim M

Test Start: 2012.10.22 @ 23:26:24

Tool Information

Drill Pipe:	Length: 3270.00 ft	Diameter: 3.80 inches	Volume: 45.87 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 45.87 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3271.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3251.00	
Shut In Tool	5.00			3256.00	
Hydraulic tool	5.00			3261.00	
Packer	5.00			3266.00	21.00 Bottom Of Top Packer
Packer	5.00			3271.00	
Stubb	1.00			3272.00	
Recorder	0.00	6773	Outside	3272.00	
Recorder	0.00	6755	Outside	3272.00	
Perforations	5.00			3277.00	
Change Over Sub	0.50			3277.50	
Drill Pipe	31.00			3308.50	
Change Over Sub	0.50			3309.00	
Perforations	22.00			3331.00	
Bullnose	3.00			3334.00	63.00 Bottom Packers & Anchor

Total Tool Length: 84.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

H&B Petroleum Corp

2-21s-12w Stafford,KS

PO Box 277
Ellinwood KS 67526

Salem V #1

Job Ticket: 49666

DST#: 1

ATTN: Al Hammersmith/Jim M

Test Start: 2012.10.22 @ 23:26:24

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:	48.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.98 in ³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3400.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
30.00	Mud with oil spots 1%oil 99% mud	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

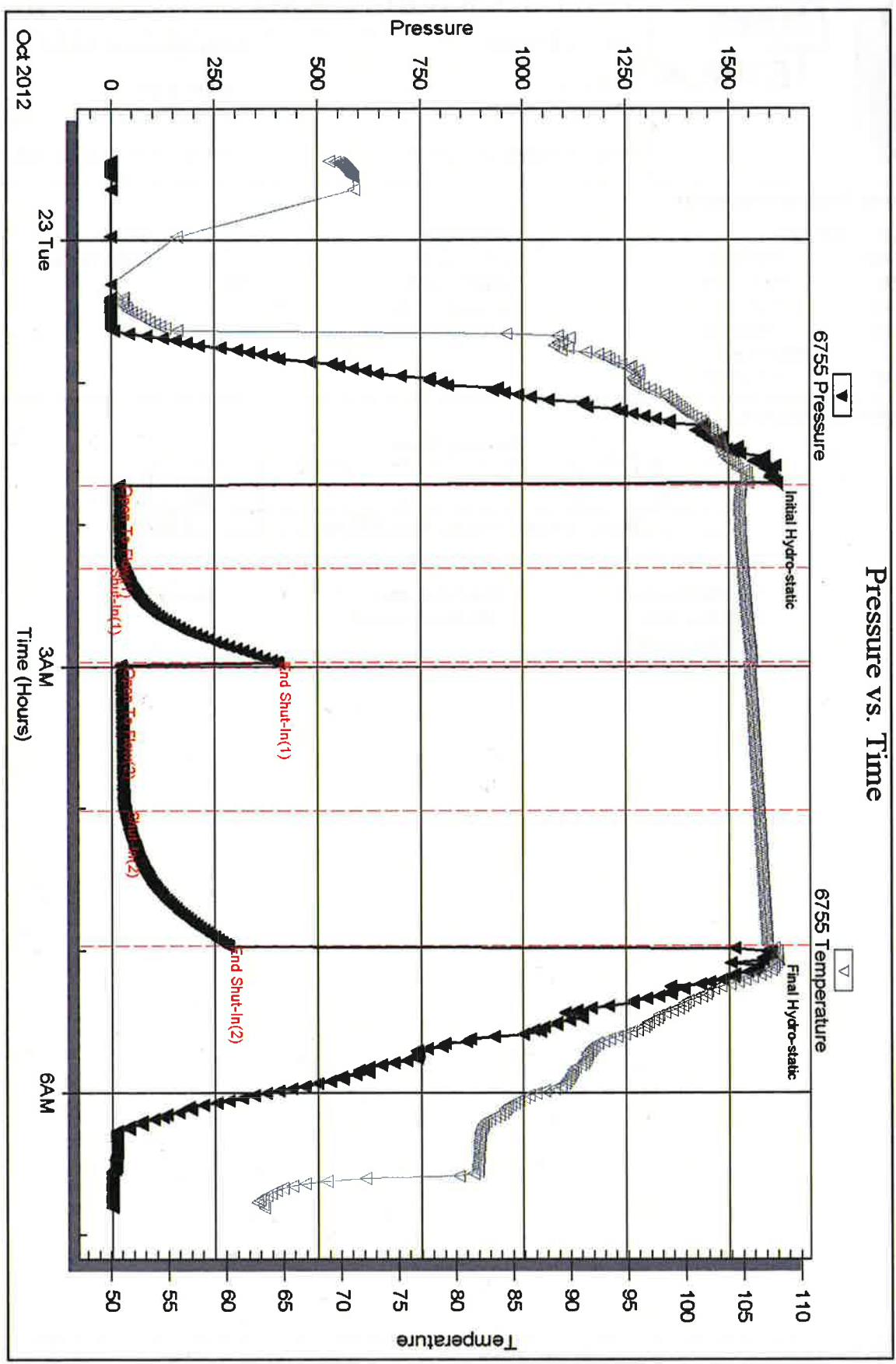
Serial #: 6755

Outside H&B Petroleum Corp

Salem V #1

DST Test Number: 1

Pressure vs. Time



Triokite Testing, Inc

Ref. No: 49666

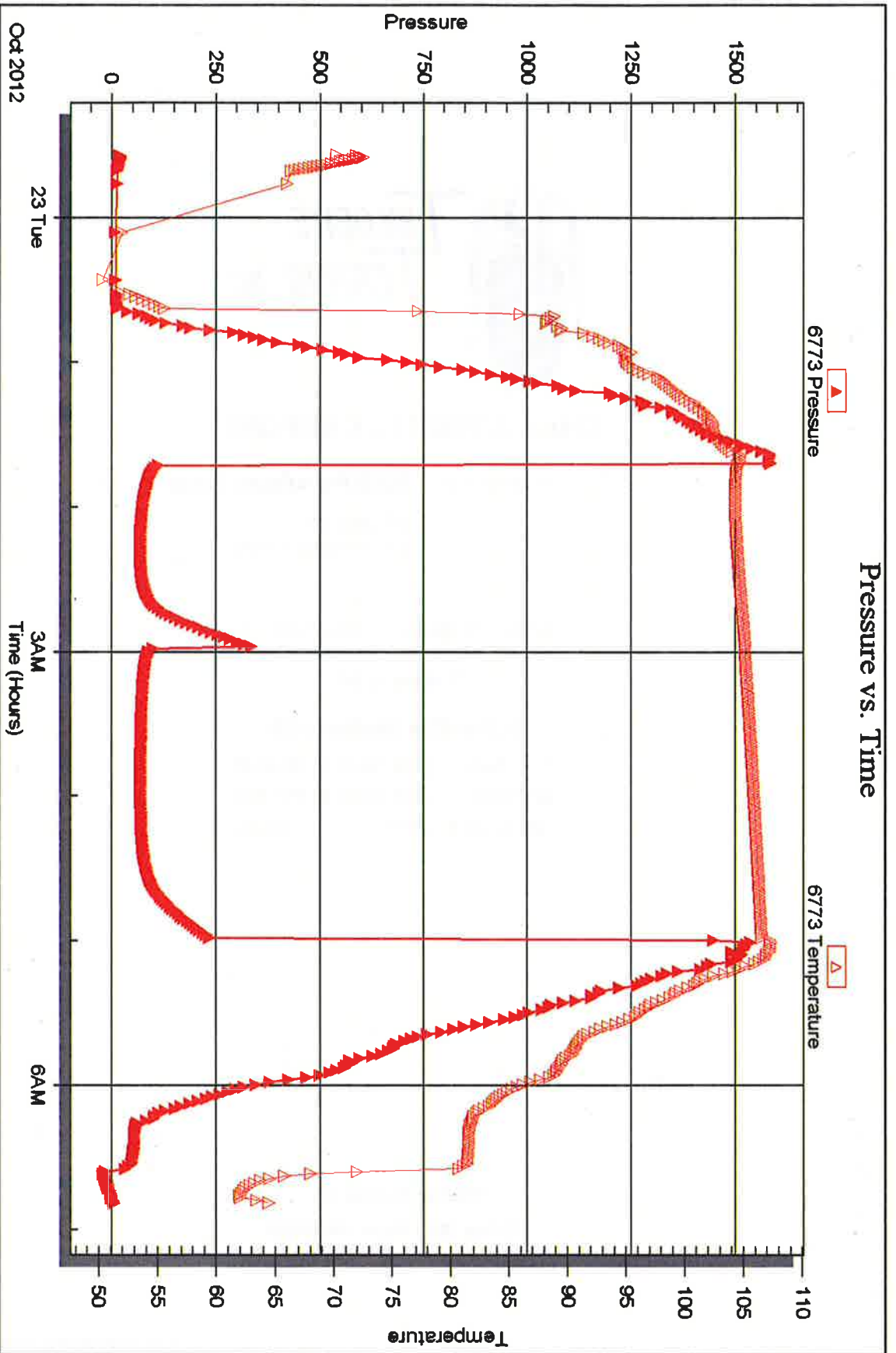
Printed: 2012.10.30 @ 08:07:34

Serial #: 6773

Outside H&B Petroleum Corp

Salem V #1

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H&B Petroleum Corp

2-21s-12w Stafford,KS

PO Box 277
Ellinwood KS 67526

Salem V #1

Job Ticket: 49667

DST#: 2

ATTN: Al Hammersmith/Jim M

Test Start: 2012.10.23 @ 18:26:36

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:17:36

Time Test Ended: 01:31:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Chris Staats

Unit No: 47

Interval: **3377.00 ft (KB) To 3412.00 ft (KB) (TVD)**

Total Depth: 3412.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1830.00 ft (KB)

1822.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6755

Outside

Press@RunDepth: 138.40 psig @ 3378.00 ft (KB)

Start Date: 2012.10.23

End Date:

2012.10.24

Start Time: 18:26:41

End Time:

01:31:20

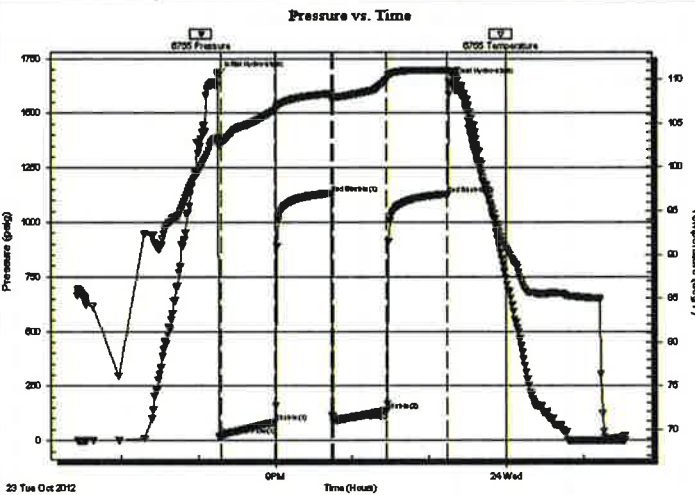
Capacity: 8000.00 psig

Last Calib.: 2012.10.24

Time On Btm: 2012.10.23 @ 20:15:36

Time Off Btm: 2012.10.23 @ 23:15:36

TEST COMMENT: IF: Strong blow BOB 18 min
IS: Weak surface blow back
FF: Strong blow BOB 30 min
FS: Weak surface blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1675.17	103.33	Initial Hydro-static
2	20.64	102.82	Open To Flow (1)
44	84.10	106.47	Shut-In(1)
89	1133.69	108.38	End Shut-In(1)
90	86.62	107.93	Open To Flow (2)
132	138.40	109.96	Shut-In(2)
179	1129.18	111.04	End Shut-In(2)
180	1642.35	110.89	Final Hydro-static

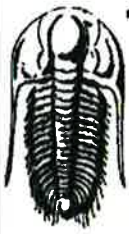
Recovery

Length (ft)	Description	Volume (bbl)
170.00	OIL 100%	2.38
90.00	O,G,M 5% oil 10% gas 85% mud	1.26
60.00	M,G,O,W 5% water 10% gas 10% oil 75%	0.84

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

H&B Petroleum Corp

2-21s-12w Stafford,KS

PO Box 277
Ellinwood KS 67526

Salem V #1

Job Ticket: 49667

DST#: 2

ATTN: Al Hammersmith/Jim M

Test Start: 2012.10.23 @ 18:26:36

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:17:36

Time Test Ended: 01:31:21

Test Type: Conventional Bottom Hole (Reset)

Tester: Chris Staats

Unit No: 47

Interval: **3377.00 ft (KB) To 3412.00 ft (KB) (TVD)**

Reference Elevations: 1830.00 ft (KB)

Total Depth: 3412.00 ft (KB) (TVD)

1822.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6773 Outside

Press@RunDepth: psig @ 3378.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.23

End Date:

2012.10.24

Last Calib.:

2012.10.24

Start Time: 18:30:56

End Time:

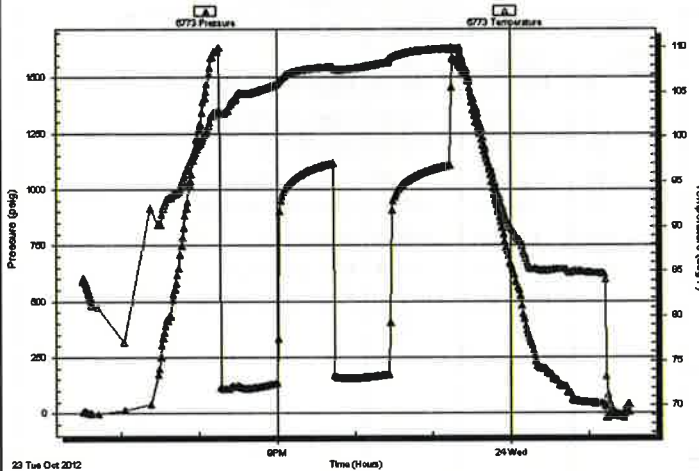
01:31:05

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Strong blow BOB 18 min
 ISI: Weak surface blow back
 FF: Strong blow BOB 30 min
 FSI: Weak surface blow back

Pressure vs. Time



PRESSURE SUMMARY

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

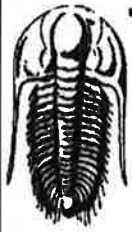
Recovery

Length (ft)	Description	Volume (bbl)
170.00	OIL 100%	2.38
90.00	O,G,M 5% oil 10% gas 85% mud	1.26
60.00	M,G,O,W 5% water 10% gas 10% oil 75%	0.84

* 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

2-21s-12w Stafford,KS

PO Box 277
Ellinwood KS 67526

Salem V #1

Job Ticket: 49667

DST#: 2

ATTN: Al Hammersmith/Jim M

Test Start: 2012.10.23 @ 18:26:36

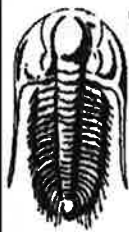
Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 47.16 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3377.00 ft			Final 46500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	56.00 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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Change Over Sub	1.00			3357.00	
Shut In Tool	5.00			3362.00	
Hydraulic tool	5.00			3367.00	
Packer	5.00			3372.00	21.00 Bottom Of Top Packer
Packer	5.00			3377.00	
Stubb	1.00			3378.00	
Recorder	0.00	6773	Outside	3378.00	
Recorder	0.00	6755	Outside	3378.00	
Perforations	31.00			3409.00	
Bullnose	3.00			3412.00	35.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

H&B Petroleum Corp

2-21s-12w Stafford,KS

PO Box 277
Ellinwood KS 67526

Salem V #1

Job Ticket: 49667

DST#: 2

ATTN: Al Hammersmith/Jim M

Test Start: 2012.10.23 @ 18:26:36

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 64.00 sec/qt

Water Loss: 7.99 in³

Resistivity: 0.00 ohm.m

Salinity: 3400.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
170.00	OIL 100%	2.385
90.00	O,G,M 5% oil 10% gas 85% mud	1.262
60.00	M,G,O,W 5%water 10%gas 10%oil 75%mud	0.842

Total Length: 320.00 ft Total Volume: 4.489 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

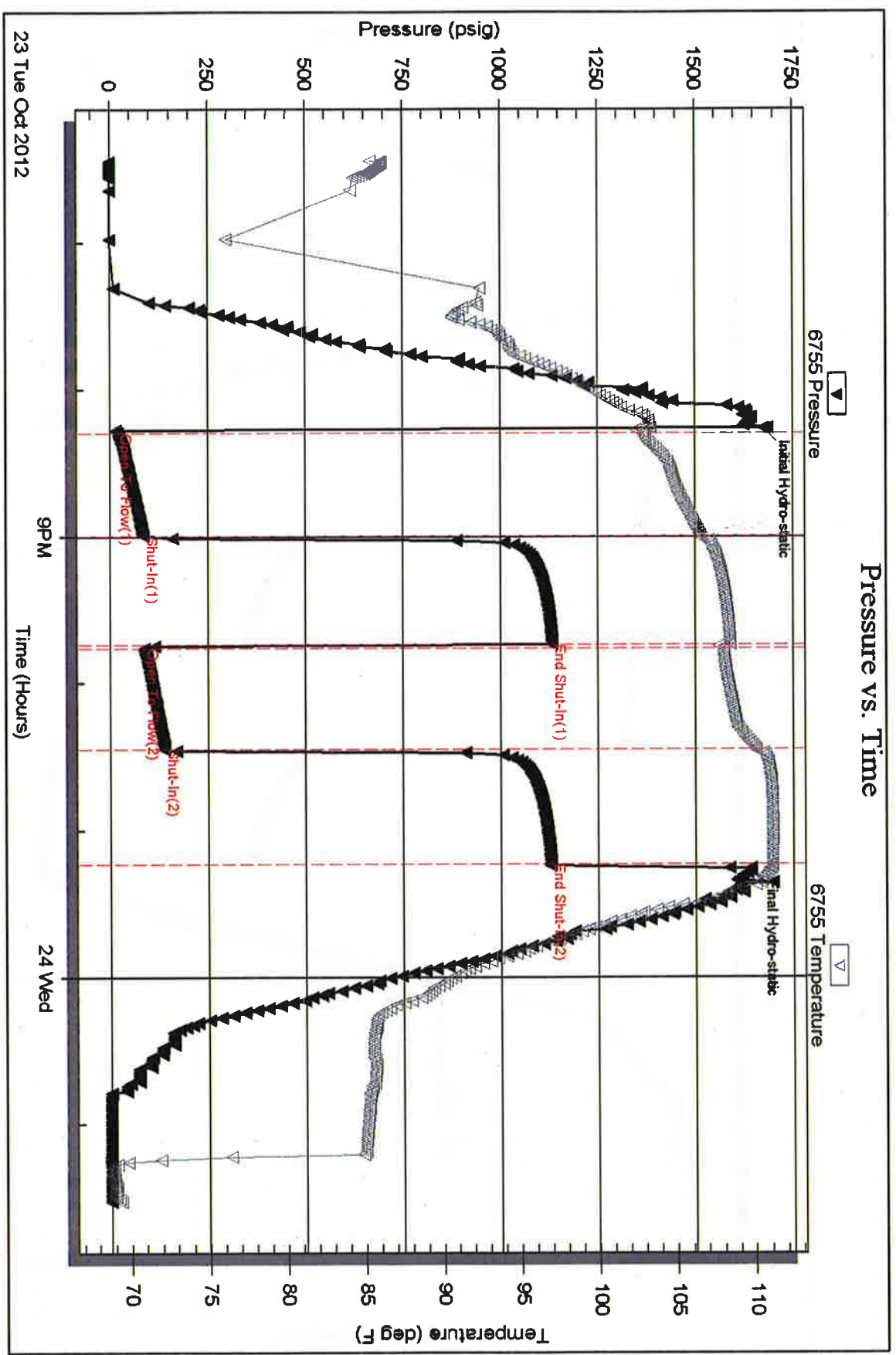
Serial #: 6755

Outside H&B Petroleum Corp

Salem V #1

DST Test Number: 2

Pressure vs. Time



Triotek Testing, Inc

Ref. No: 49667

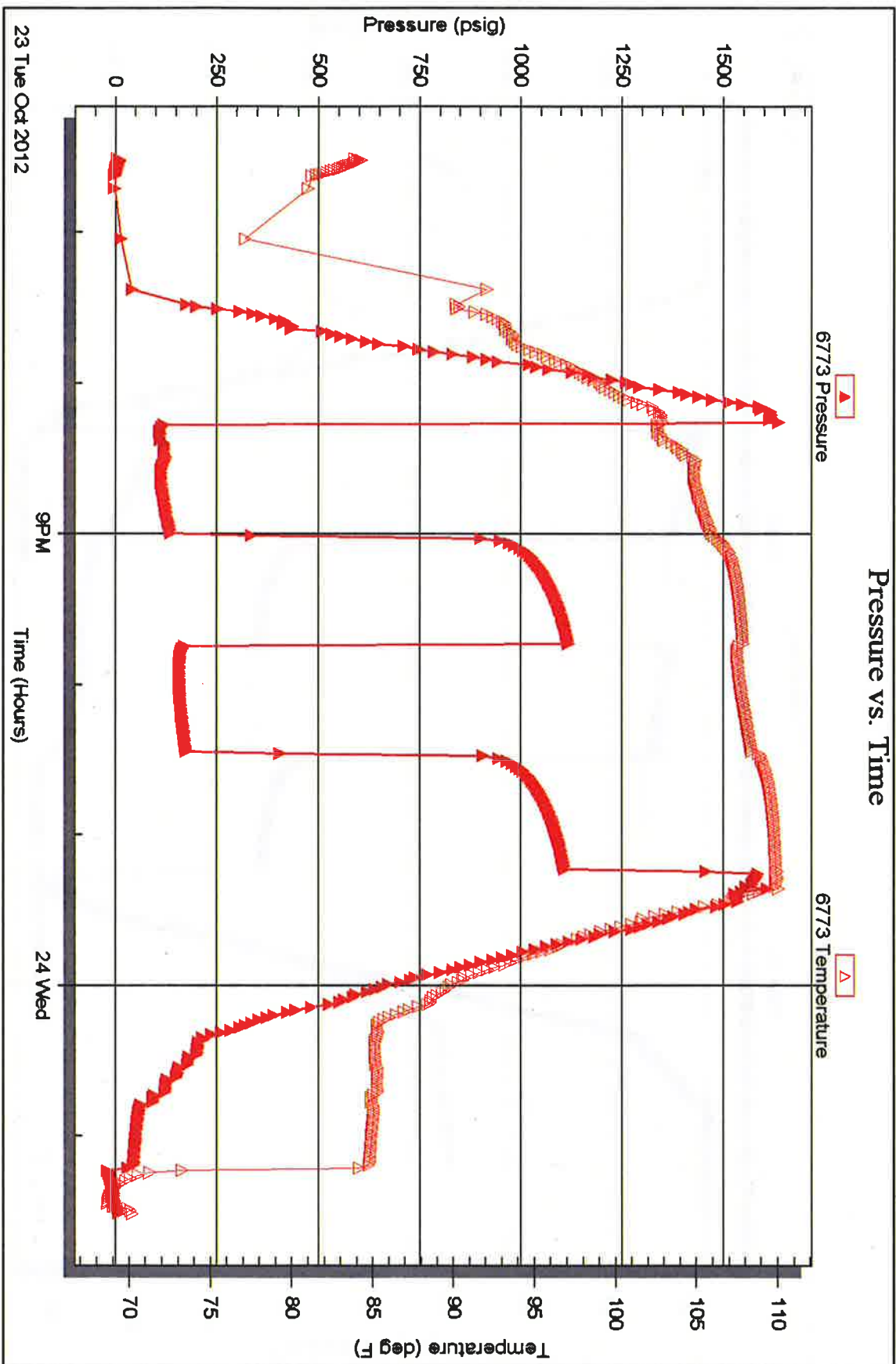
Printed: 2012.10.30 @ 08:06:18

Serial #: 6773

Outside H&B Petroleum Corp

Salem V #1

DST Test Number: 2



Triadite Testing, Inc

Ref. No: 49667

Printed: 2012.10.30 @ 08:06:19



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 49666

Well Name & No. Salem V #1 Test No. 1 Date 10-22-12
 Company H+B Petroleum CORP. Elevation 1830 KB 1822 GL
 Address Pobox 277 Ellinwood KS 67526
 Co. Rep / Geo. A Hammersmith / Jim Musgrove Rig Southwind #6
 Location: Sec. 2 Twp. 21 Rge. 12 Co. STAFFORD State KS

Interval Tested 3271-3334 Zone Tested Lansins
 Anchor Length 63' Drill Pipe Run 3270 Mud Wt. 9.3
 Top Packer Depth 3266 Drill Collars Run 0 Vis 48
 Bottom Packer Depth 3271 Wt. Pipe Run 0 WL 8.0
 Total Depth 3334 Chlorides 3400 ppm System LCM 0

Blow Description IF: weak blow 1 3/4"
ISI: No blow back

FF: weak blow 1 3/4"
FST: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>30'</u>	<u>MUD with oil spots</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 30' BHT 108 Gravity — API RW — @ — °F Chlorides 3400 ppm

(A) Initial Hydrostatic 1600 Test 1150 T-On Location 23:10
 (B) First Initial Flow 18 Jars T-Started 23:26
 (C) First Final Flow 28 Safety Joint T-Open 1:43
 (D) Initial Shut-In 400 Circ Sub T-Pulled 5:00
 (E) Second Initial Flow 23 Hourly Standby T-Out 6:45
 (F) Second Final Flow 31 Mileage 100 miles 155 Comments _____
 (G) Final Shut-In 280 Sampler _____
 (H) Final Hydrostatic 1602 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 45 Shale Packer _____
 Final Flow 60 Extra Packer _____
 Final Shut-In 60 Extra Recorder _____
 Sub Total 1305
 Total 1305
 MP/DST Disc't _____

Approved By _____

Our Representative Ch. Ste

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. 49667

Well Name & No. Salem V#1 Test No. 2 Date 10-23-12
 Company H+B Petroleum Corp Elevation 1830 KB 1822 GL
 Address PO box 277 Ellinwood KS 67526
 Co. Rep / Geo Al Hammersmith / Jim Mvsgrve Rig Southwind #6
 Location: Sec. 2 Twp. 21 Rge. 12 Co. STAFFORD State KS

Interval Tested 3377 - 3412 Zone Tested Arbuckle
 Anchor Length 35' Drill Pipe Run 3362 Mud Wt. 9.2
 Top Packer Depth 3372 Drill Collars Run _____ Vis 64
 Bottom Packer Depth 3377 Wt. Pipe Run _____ WL 8.0
 Total Depth 3412 Chlorides 3400 ppm System LCM TR

Blow Description IF: STRong blow BOB 18 min
ISI: Weak Surface blow back
FF: STRong blow BOB 30 min
FSI: Weak Surface blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>170'</u>	<u>OIL</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>90</u>	<u>O, G, M</u>	<u>10</u>	<u>5</u>	<u>85</u>	<u>0</u>
<u>60</u>	<u>M, G, O, W</u>	<u>10</u>	<u>10</u>	<u>5</u>	<u>75</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 320 BHT 110 Gravity 49 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1675 Test 1150 T-On Location 18:10
 (B) First Initial Flow 20 Jars T-Started 18:26
 (C) First Final Flow 84 Safety Joint T-Open 20:17
 (D) Initial Shut-In 1133 Circ Sub T-Pulled 23:15
 (E) Second Initial Flow 86 Hourly Standby T-Out 1:15
 (F) Second Final Flow 138 Mileage 100 Miles 155 Comments _____
 (G) Final Shut-In 1129 Sampler _____
 (H) Final Hydrostatic 1642 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 45 Shale Packer _____
 Initial Shut-In 45 Extra Packer _____
 Final Flow 45 Extra Recorder _____
 Final Shut-In 45 Day Standby _____
 Accessibility _____
 Sub Total 1305 MP/DST Disc't _____

Approved By [Signature] Our Representative [Signature]

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.