



KANSAS CORPORATION COMMISSION 1117418  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1117418

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	Salem V 1
Doc ID	1117418

All Electric Logs Run

Dual Induction
Compensated Density
Microresistivity
Cement Bond

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5416

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-18-12	2	21	12	STAFFORD	KANSAS		12:30 pm
Lease SALEM V		Well No. #1		Location ELLINWOOD STO COUNTY CORNER - 1/4 S - W 1/4 T20			
Contractor SOUTHWIND DRILLING #16				Owner H & B OIL			
Type Job SURFACE				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size 12 1/4"		T.D. 353'		Charge To H & B OIL			
Csg. 8 5/8"		Depth 353'		Street P.O. BOX 277			
Tbg. Size		Depth		City ELLINWOOD State KS, 67526			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg.		Shoe Joint 15'		Cement Amount Ordered 300 com - 3cc - 2 gel - 1/4 FLO			
Meas Line		Displace 21 1/2 bbls		250 com 3% CO 2% gel 1/2 flow used 460 sk			
<b>EQUIPMENT</b>							
Pumptrk #5	No.	Cementor					
		Helper BRETT					
Bulktrk #14	No.	Driver					
		Driver LEVY					
Bulktrk #14	No.	Driver					
		Driver CTSO					
<b>JOB SERVICES &amp; REMARKS</b>							
Remarks: SWEDGE ON LOCATION				Common 460			
Rat Hole				Poz. Mix			
Mouse Hole				Gel. 9			
Centralizers				Calcium 16			
Baskets				Hulls			
D/V or Port Collar				Salt			
				Flowseal # 275			
				Kol-Seal			
				Mud CLR 48			
				CFL-117 or CD110 CAF 38			
				Sand			
				Handling 575			
				Mileage			
<b>FLOAT EQUIPMENT</b>							
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge Surface			
				Mileage 18			
				Tax			
				Discount			
				Total Charge			
THANK YOU!							
Signature WIP							

# QUALITY WELL SERVICE, INC.

5737

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410  
Office / Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-25-12	2	21	12	Stoddard	MO		3:00 - 4:00pm
Lease <i>solem</i> ✓	Well No. 1		Location <i>Ellinwood, 45 S Winto</i>				
Contractor <i>Southwind #6</i>				Owner			
Type Job <i>Long String</i>	Hole Size			To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Csg. <i>5 1/2</i>	T.D. <i>3500</i>		Depth <i>3501</i>		Charge To <i>HQB Petro</i>		
Tbg. Size	Depth		Street				
Tool	Depth		City		State		
Cement Left in Csg. <i>22ft</i>	Shoe Joint <i>22ft</i>		The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line	Displace <i>84 3/4</i>		Cement Amount Ordered <i>80 sx 60/40 4%ogel</i>				
<b>EQUIPMENT</b>				<i>125 sx Pro-C</i>			
Pumptrk No. <i>8</i>	<i>Cody</i>		Common				
Bulktrk No. <i>5</i>	<i>Neate</i>		Poz. Mix				
Bulktrk No. <i>10</i>	<i>mike</i>		Gel.				
Pickup No.			Calcium				
<b>JOB SERVICES &amp; REMARKS</b>				Hulls			
Rat Hole <i>30sx</i>				Salt			
Mouse Hole				Flowseal			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
<i>Run 81 Hs of 5 1/2 14" casing and landing It - Est Circulation for 1 hr - Hooked up and mixed 50sx of 60/40 then 125sx of Pro-C - shut down - washed pump and lines clean released plug and disp 8 1/2 bbl of H2O with lifting pressure of 600ps. and plug landed @ 1500ps. - released and float held!!</i>				Sand			
				Handling			
				Mileage			
				<b>FLOAT EQUIPMENT</b>			
				Guide Shoe			
				Centralizer <i>7 - 5 1/2 turbo</i>			
				Baskets <i>2 - 5 1/2</i>			
				AFU Inserts			
				Float Shoe <i>1 - 5 1/2</i>			
				Latch Down <i>1 - 5 1/2</i>			
				<i>14 - 5 1/2 Clompon Scratchers</i>			
				Pumptrk Charge			
				Mileage			
				Tax			
				Discount			
				Total Charge			
Signature <i>Mike Hernandez</i>							

*Thank You!!*



**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

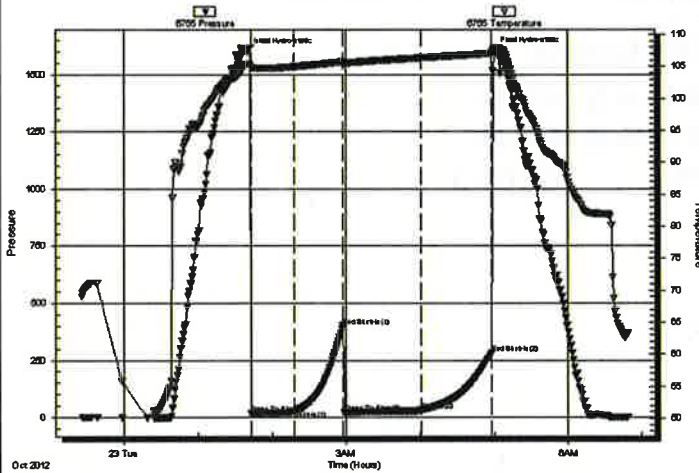
TEST COMMENT: IF: Weak blow 1 3/4"

IS: No blow back

FF: Weak blow 1 3/4"

FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

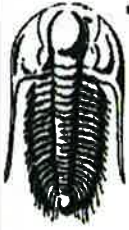
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1600.31	105.29	Initial Hydro-static
3	18.03	104.85	Open To Flow (1)
38	28.85	104.96	Shut-In(1)
78	400.04	105.75	End Shut-In(1)
80	23.40	105.56	Open To Flow (2)
141	31.93	106.34	Shut-In(2)
198	280.55	107.06	End Shut-In(2)
201	1602.40	107.92	Final Hydro-static

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)



**TRILOBITE TESTING, INC.**

**DRILL STEM TEST REPORT**

H&B Petroleum Corp  
PO Box 277  
Ellinwood KS 67526

**2-21s-12w Stafford, KS**  
**Salem V #1**  
Job Ticket: 49666      **DST#: 1**  
Test Start: 2012.10.22 @ 23:26:24

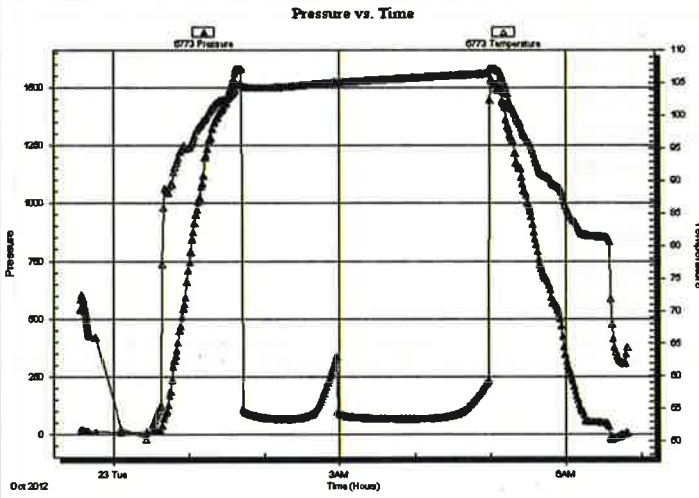
ATTN: Al Hammersmith/Jim M

**GENERAL INFORMATION:**

Formation: <b>Lower Lansing</b>	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)
<b>Interval: 3271.00 ft (KB) To 3334.00 ft (KB) (TVD)</b>	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	

<b>Serial #: 6773</b>	<b>Outside</b>				
Press@RunDepth: 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: 23:34:01	End Time: 06:48:40	Time On Btm:			
		Time Off Btm:			

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





**TRILOBITE  
TESTING, INC.**

# 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 <sup>3</sup>	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:

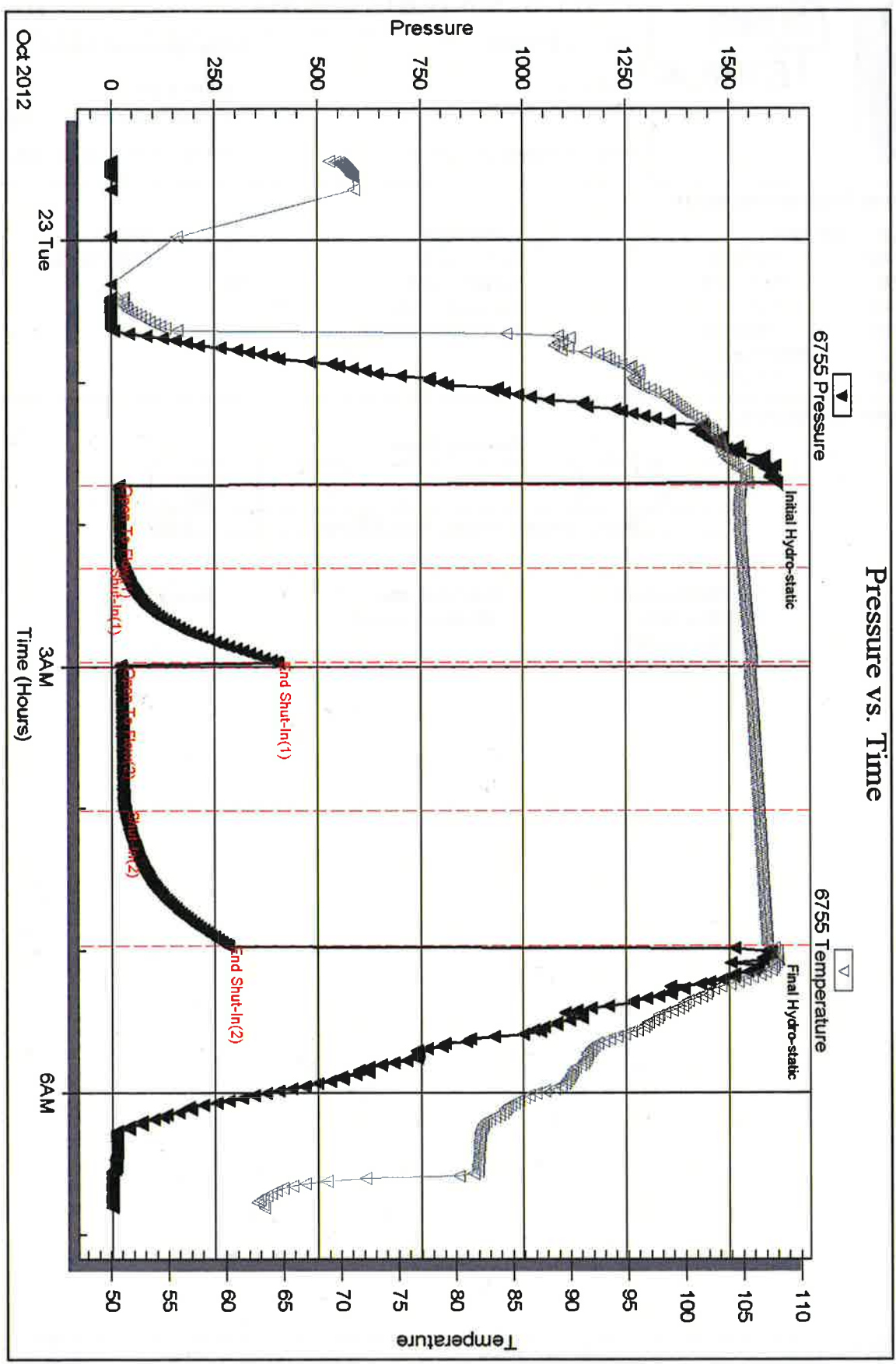
Serial #: 6755

Outside H&B Petroleum Corp

Salem V #1

DST Test Number: 1

### Pressure vs. Time



Triokite Testing, Inc

Ref. No: 49666

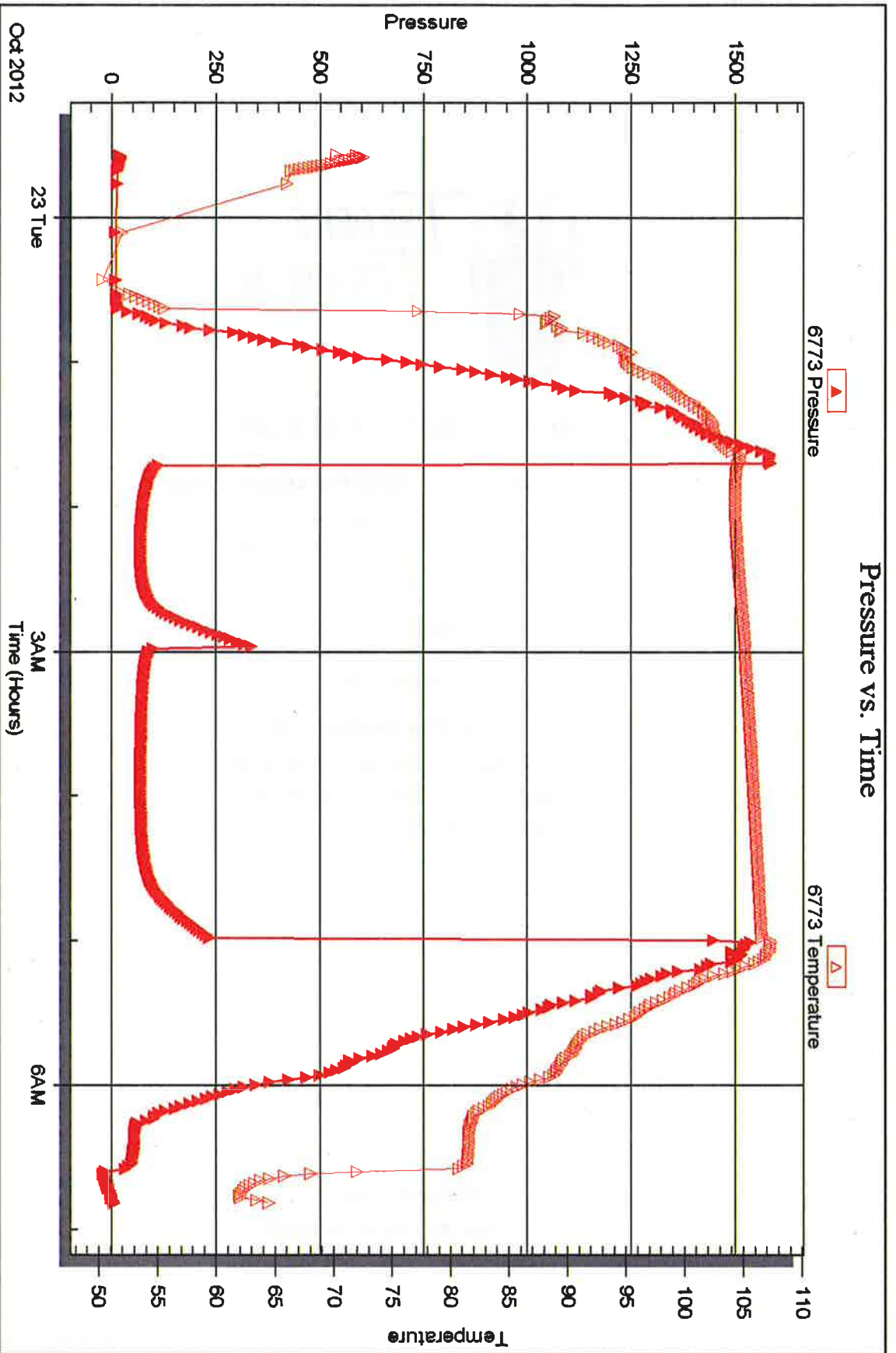
Printed: 2012.10.30 @ 08:07:34

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

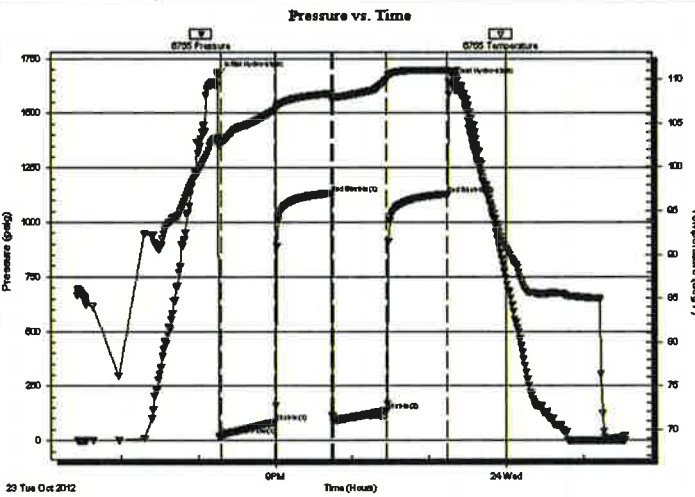
Capacity: 8000.00 psig

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

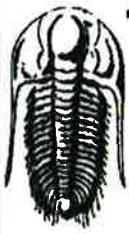
### Recovery

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 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)**

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

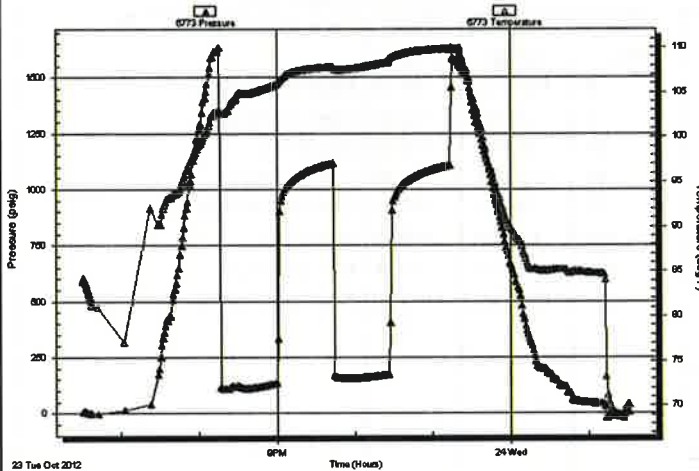
End Time: 01:31:05

Time On Btm:

Time Off Btm:

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

Pressure vs. Time



## PRESSURE SUMMARY

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

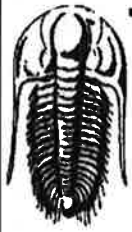
## Recovery

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

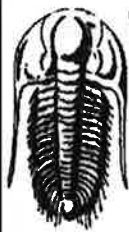
### Tool Information

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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
<b>Total Tool Length:</b>	<b>56.00</b>				



**TRILOBITE  
TESTING, INC.**

## 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 in<sup>3</sup>

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:

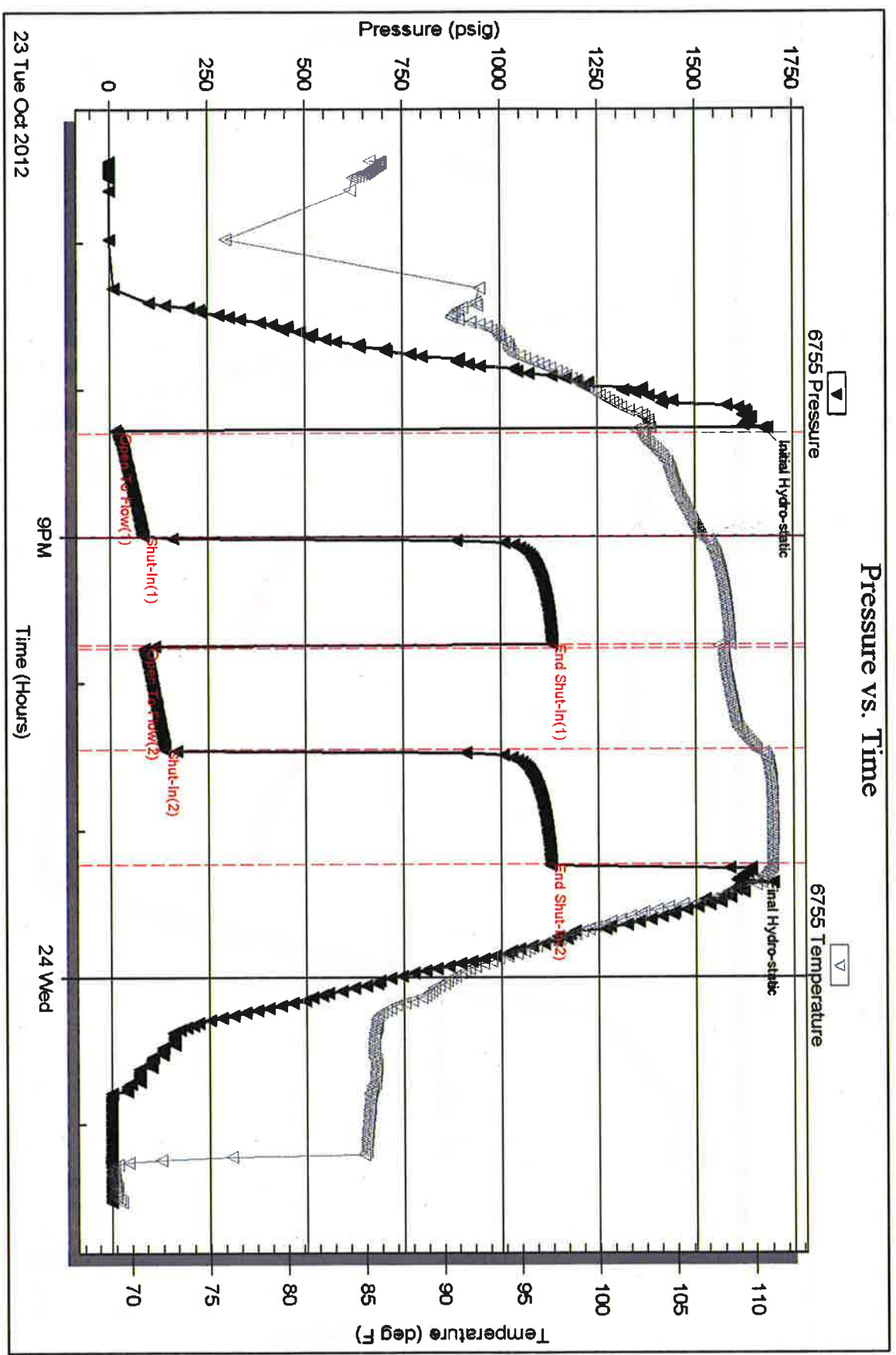
Serial #: 6755

Outside H&B Petroleum Corp

Salern V #1

DST Test Number: 2

### Pressure vs. Time



Triotek Testing, Inc

Ref. No: 49667

Printed: 2012.10.30 @ 08:06:18

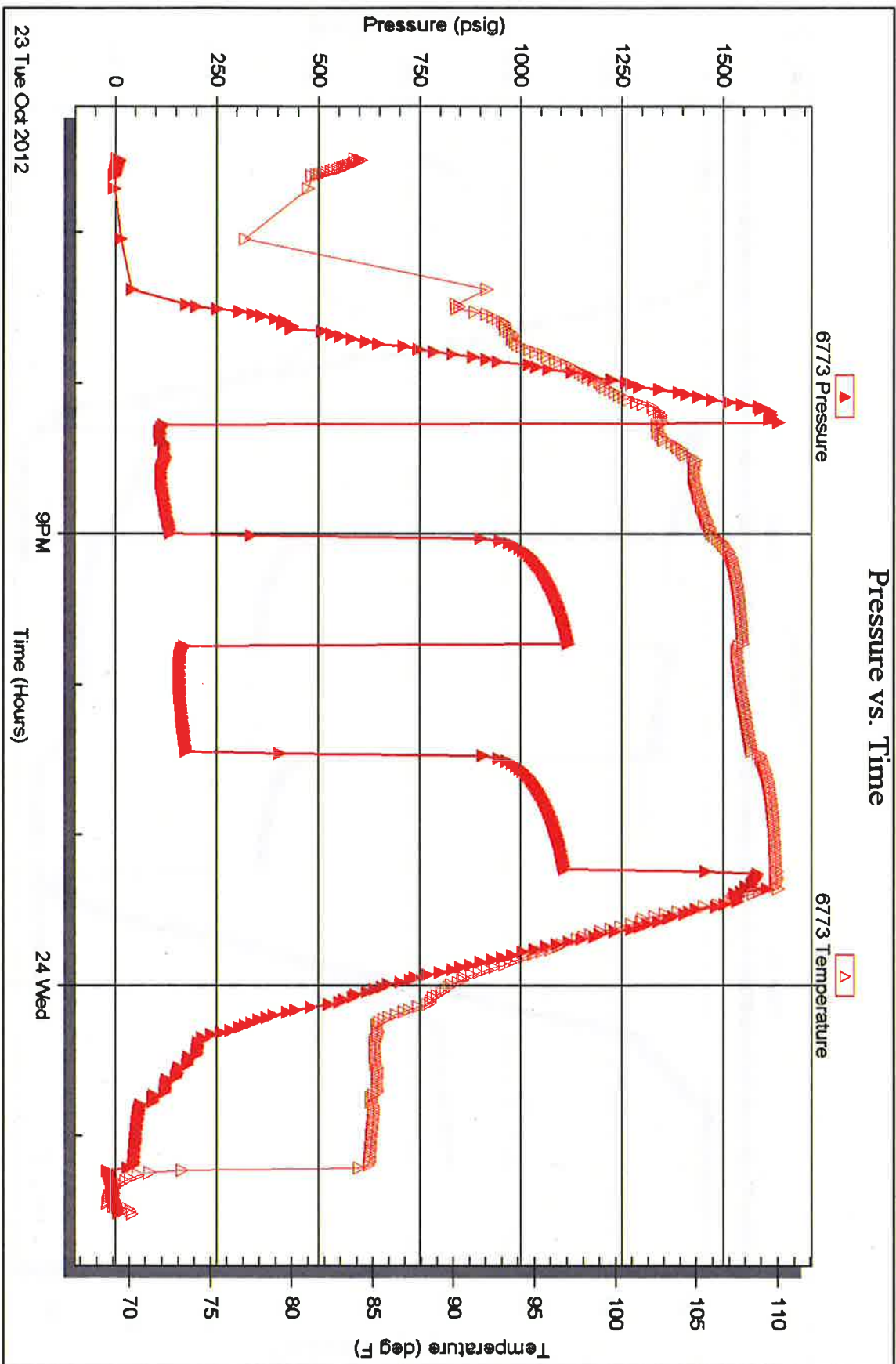


Serial #: 6773

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 \_\_\_\_\_

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  Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Sub Total 0 Total 1305 MP/DST Disc't \_\_\_\_\_

Approved By [Signature] Our Representative [Signature]

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