1125825

KANSAS CORPORATION COMMISSION
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 # 32158
Name: H & B Petroleum Corp.
Address 1: PO BOX 277
Address 2:
City: ELLINWOOD State: KS Zip: 67526 + _ _ _ _
Contact Person: Al Hammersmith
Phone: (620) 564-3002
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: James Musgrove
Purchaser: NCRA

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 #:

03/07/2013	03/16/2013	04/24/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25817-00-00
Spot Description:
N2 - S2 - NE - NW Sec. 12 Twp. 20 S. R. 11 ☐ East ☑ West
714 Feet from ☑ North / ☐ South Line of Section
1980 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW

County: Barton
Lease Name: John Spanier Well #: 6
Field Name: Chase-Silica
Producing Formation: Arbuckle
Elevation: Ground: 1757 Kelly Bushing: 1765
Total Depth: 3364 Plug Back Total Depth: 3315
Amount of Surface Pipe Set and Cemented at: 407 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: 3420 ppm Fluid volume: 930 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: LD Drilling, Inc
Lease Name: Davis Ranch SWD License #: 6039
Quarter NW Sec. 14 Twp. 21 S. R. 12 ☐ East ☑ West
County: Stafford Permit #: D-30736

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:** Deanna Garrison **Date:** 08/07/2013

Side Two

1125825

Operator Name: H & B Petroleum Corp. Lease Name: John Spanier Well #: 6

Sec. 12 Twp. 20 S. R. 11 ☐ East ☑ West County: Barton

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Heebner	2864	
Douglas	2894	
Brown Line	2986	
Lansing	3016	
Base Kansas City	3247	
Arbuckle	3267	

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	407	Common	275	3% cc, 2% gel
Production	7.875	5.5	14	3358	Scavenger	50	
Production	7.875	5.5	14	3358	Multi Dense	150	

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 *(Amount and Kind of Material Used)*	Depth
4	3270-3274		
4	3280-3286		
4	3290-3296		
4	3297-3299		
4	3301-3304		

TUBING RECORD: Size: 2 7/8 Set At: 3309 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 06/03/2013

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	7.5		122		42

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
3270-3304

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	H & B Petroleum Corp.
Well Name	John Spanier 6
Doc ID	1125825

All Electric Logs Run

Microresistivity
Dual Induction
Borehole Compensated Sonic
Dual Compensated Porosity

REMIT TO
RR 1 BOX 90 D
HOXIE, KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

№ 672

DATE 3-8-13	SEC.	RANGE/TWP. 12-20-11	CALLED OUT	ON LOCATION	JOB START 12:30	JOB FINISH 1:15
					COUNTY Norton	STATE KS
LEASE John Spanier			WELL # 6			
Ellinwood, KS 4E 1S 1/2E Into						

CONTRACTOR Southwind Drilling		OWNER			
TYPE OF JOB Surface					
HOLE SIZE 12¼	T.D. 407	CEMENT			
CASING SIZE 8⅝	DEPTH 407	AMOUNT ORDERED	275 sx	Com 3% cc	2% gel
TUBING SIZE	DEPTH				
DRILL PIPE	DEPTH				
TOOL	DEPTH				
PRES. MAX	MINIMUM	COMMON	275	@ 15.50	4262.50
DISPLACEMENT 24.5 bbl	SHOE JOINT	POZMIX		@	
CEMENT LEFT IN CSG. 20ft		GEL	5	@ 20.50	102.50
PERFS		CHLORIDE	1	@ 53.00	477.00
		ASC		@	
EQUIPMENT				@	
				@	
PUMP TRUCK				@	
#	Jay			@	
BULK TRUCK				@	
#				@	
BULK TRUCK				@	
#				@	
		HANDLING	288	@ 2.10	604.80
		MILEAGE	24	@ .25/sk/mi	554.40
				TOTAL	

REMARKS	SERVICE			
Ran 9 Jts of 8⅝ casing and landing	DEPT OF JOB	407'	@	
Jt	PUMP TRUCK CHARGE	1	@ 1250.00	1250.00
Est Circulation	EXTRA FOOTAGE		@	
Hooked up and mixed 275 sx com 3% cc	MILEAGE	24	@ 8.00	192.00
2% gel. Shut down release plug and	MANIFOLD		@	
disp 24½ bbl of H2O.	CMV	24	@ 2.00	
Cement Did Circulate!			TOTAL	

CHARGES TO: HOR Petroleum	
STREET PO Box 277	STATE KS.
CITY Ellinwood	ZIP 67526

To: Schippers Oil Field Services L.L.C.
You are hereby requested to rent cementing equipment and furnish staff to assit owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "TERMS AND CONDITIONS" listed on the reverse side.

Thank You!!

PLUG & FLOAT EQUIPMENT	
8⅝ plug	@ 85.00
	@
	@
	@
	@
	TOTAL 7330.80
TAX	
TOTAL CHARGE	7330.80
DISCOUNT (IF PAID IN 20 DAYS)	15%
AFTER DISC	$6231.18

Hoxie Sentinel Print / Form 411

SIGNATURE [signature]

PRINTED NAME Wesley Pfaff

REMIT TO
RR-1 BOX 90 D
HOXIE, KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

No 676

DATE 3-16-13 SEC. 12	RANGE/TWP. 20 - 11	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 5:30-6:30pm
				COUNTY Barton	STATE KS
LEASE John Spanier		WELL # 6			

CONTRACTOR	Southwind Drilling	OWNER			
TYPE OF JOB Pipe Job					
HOLE SIZE 7 7/8	T.D. 3364	CEMENT			
CASING SIZE 5 1/2 14#	DEPTH 3358	AMONT ORDERED			
TUBING SIZE	DEPTH	80 sk 60/40	2% gel		
DRILL PIPE	DEPTH	150 sx Multi	2% plaster	10% Salt	2% gel
TOOL	DEPTH				
PRES. MAX	MINIMUM	COMMON	198 sx	@ 15.50	3067.00
DISPLACEMENT 81 1/2 bbl	SHOE JOINT 14.94	POZMIX	32 sx	@ 8.50	272.00
CEMENT LEFT IN CSG.	14.94	GEL	5 sx	@ 20.50	102.50
PERFS		CHLORIDE		@	
		ASC		@	
EQUIPMENT		Salt	13 sx	@ 13.00	169.00
		Plaster	6 sx	@ 22.10	132.00
PUMP TRUCK				@	
# P1	Cody			@	
BULK TRUCK				@	
# B1	Jarred			@	
BULK TRUCK				@	
#				@	
		HANDLING	251 sx	@ 2.10	527.10
		MILEAGE	38	@ .06/sx/mi	163.10
				TOTAL	5033.30

REMARKS	SERVICE			
Ran Jts of New 5 1/2 casing and landing	DEPT OF JOB		@	
Jt - Est Circulation and circulated for	PUMP TRUCK CHARGE	[illegible]	@ 1,750.00	$1,750.00
1 hr - Plug RH with 30 sx and then	EXTRA FOOTAGE		@	
mixed 50 sx of scavenger cement and	MILEAGE	38	@ 8.00	$304.00
tailed in with 150 sx Multi-dense - Shut	MANIFOLD		@	
down and washed pump and lines Clean	Pump	1300	@ 2.00	2.16.00
Released plug and disp 81 1/2 bbl of H2O			TOTAL	$2130.00

Plug landed @ 2000 psi - Float Held!!

CHARGES TO:	H2O Petroleum
STREET	STATE
CITY	ZIP

To: Schippers Oil Field Services L.L.C.
You are hereby requested to rent cementing equipment and furnish staff to assit owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "TERMS AND CONDITIONS" listed on the reverse side.

thank You!!

PLUG & FLOAT EQUIPMENT	
1-latch down & Plate	@ $226.00
7-5 1/2 Cent	@ 392.00
1-5 1/2 basket	@ 190.00
1-5 1/2 AFU Float Shoe	@ 275.00
12-5 1/2 Scratcher's	@ 594.00
	TOTAL $1,677.00
TAX	
TOTAL CHARGE	$8,842.30
DISCOUNT (IF PAID IN 20 DAYS)	-.15%
	$7,515.90

Hoxie Sentinel Print / Form 411

SIGNATURE Mike Hemmer [signature]

PRINTED NAME

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

John Spanier #6

12-20s-11w Barton,KS

Start Date: 2013.03.12 @ 09:25:00
End Date: 2013.03.12 @ 14:43:50
Job Ticket #: 51489 DST #: 1

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

Printed: 2013.03.20 @ 15:06:07

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

H&B Petroleum Corp
PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51489 **DST#: 1**

Test Start: 2013.03.12 @ 09:25:00

GENERAL INFORMATION:

Formation: **KC A-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:58:50
Time Test Ended: 14:43:50

Test Type: Conventional Bottom Hole (Initial)
Tester: Randy Williams
Unit No: 68

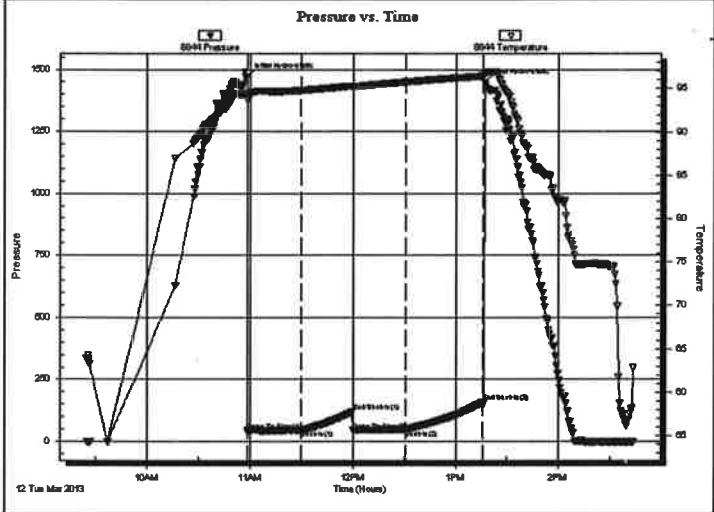
Interval: 2988.00 ft (KB) To 3091.00 ft (KB) (TVD)
Total Depth: 3091.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1765.00 ft (KB)
1757.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8844 **Inside**

Press@RunDepth:	48.70 psig @	3054.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.03.12	End Date:	2013.03.12	Last Calib.:	2013.03.12
Start Time:	09:25:05	End Time:	14:43:50	Time On Btm:	2013.03.12 @ 10:58:40
				Time Off Btm:	2013.03.12 @ 13:16:40

TEST COMMENT: IF,30-WBB to 2 1/2"
ISI,30-NBB
FF,30-WBB to 1"
FSI,45-NBB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1472.02	94.50	Initial Hydro-static
1	43.92	93.74	Open To Flow (1)
32	46.15	94.79	Shut-In(1)
61	120.87	95.30	End Shut-In(1)
62	44.17	95.26	Open To Flow (2)
93	48.70	95.76	Shut-In(2)
138	159.37	96.44	End Shut-In(2)
138	1448.68	96.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MUD 100%	0.21
0.00	Oil spots on top of tool	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

H&B Petroleum Corp
PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51489 **DST#: 1**

Test Start: 2013.03.12 @ 09:25:00

GENERAL INFORMATION:

Formation: **KC A-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:58:50
Time Test Ended: 14:43:50

Test Type: Conventional Bottom Hole (Initial)
Tester: Randy Williams
Unit No: 68

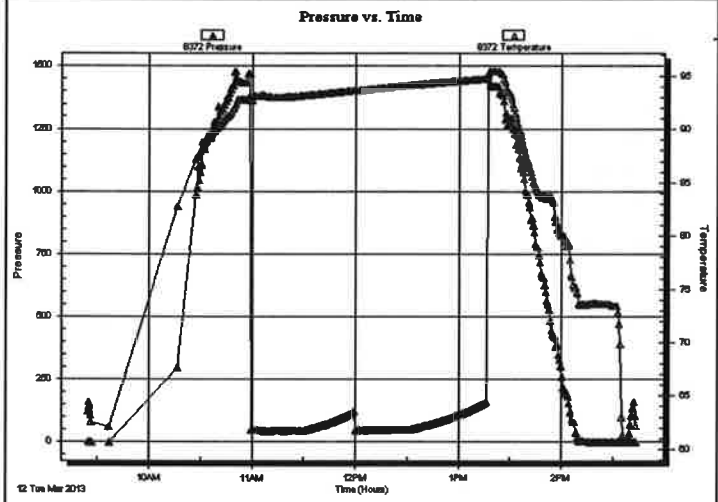
Interval: 2988.00 ft (KB) To 3091.00 ft (KB) (TVD)
Total Depth: 3091.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1765.00 ft (KB)
1757.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8372 **Outside**

Press@RunDepth:	psig @	3054.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.03.12	End Date:	2013.03.12	Last Calib.:	2013.03.12
Start Time:	09:25:05	End Time:	14:43:59	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF,30-WBB to 2 1/2"
ISI,30-NBB
FF,30-WBB to 1"
FSI,45-NBB



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MUD 100%	0.21
0.00	Oil spots on top of tool	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC.

H&B Petroleum Corp

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51489 **DST#: 1**

Test Start: 2013.03.12 @ 09:25:00

Tool Information

Drill Pipe:	Length:	2992.00 ft	Diameter:	3.80 inches	Volume:	41.97 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:		20000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		52000.00 lb
					Total Volume:	41.97 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		25.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		2988.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		103.00 ft							
Tool Length:		124.00 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			2968.00		
Shut In Tool	5.00			2973.00		
Hydraulic tool	5.00			2978.00		
Packer	5.00			2983.00	21.00	Bottom Of Top Packer
Packer	5.00			2988.00		
Stubb	1.00			2989.00		
perforations	2.00			2991.00		
Change Over Sub	1.00			2992.00		
Blank Spacing	61.00			3053.00		
change Over Sub	1.00			3054.00		
Recorder	0.00	8844	Inside	3054.00		
Recorder	0.00	8372	Outside	3054.00		
Perforations	34.00			3088.00		
Bullnose	3.00			3091.00	103.00	Bottom Packers & Anchor
Total Tool Length:	**124.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC.

H&B Petroleum Corp

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51489 **DST#: 1**

Test Start: 2013.03.12 @ 09:25:00

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:	5000 ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.50 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	MUD 100%	0.210
0.00	Oil spots on top of tool	0.000

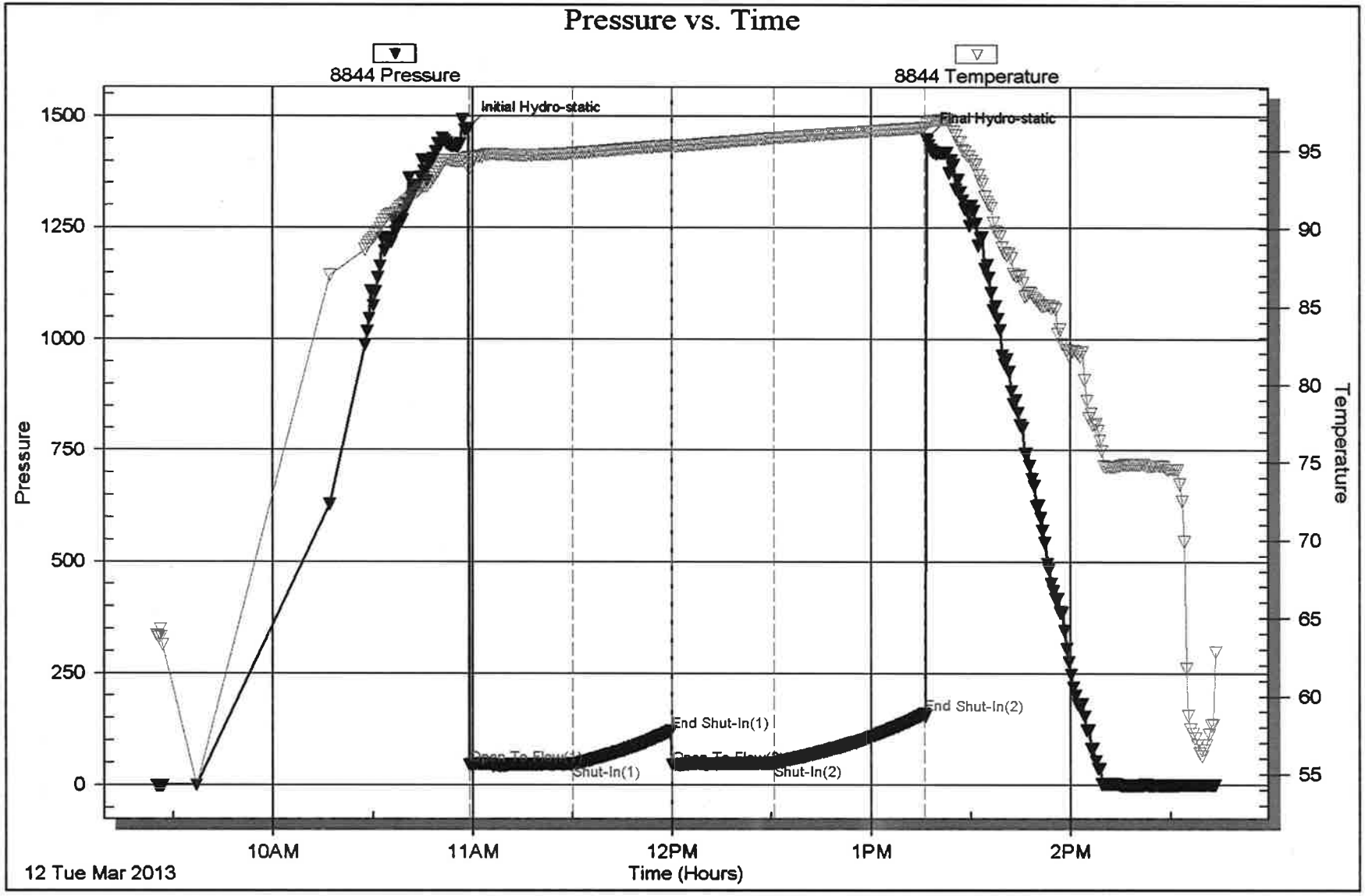
Total Length: 15.00 ft Total Volume: 0.210 bbl

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

Laboratory Name: Laboratory Location:

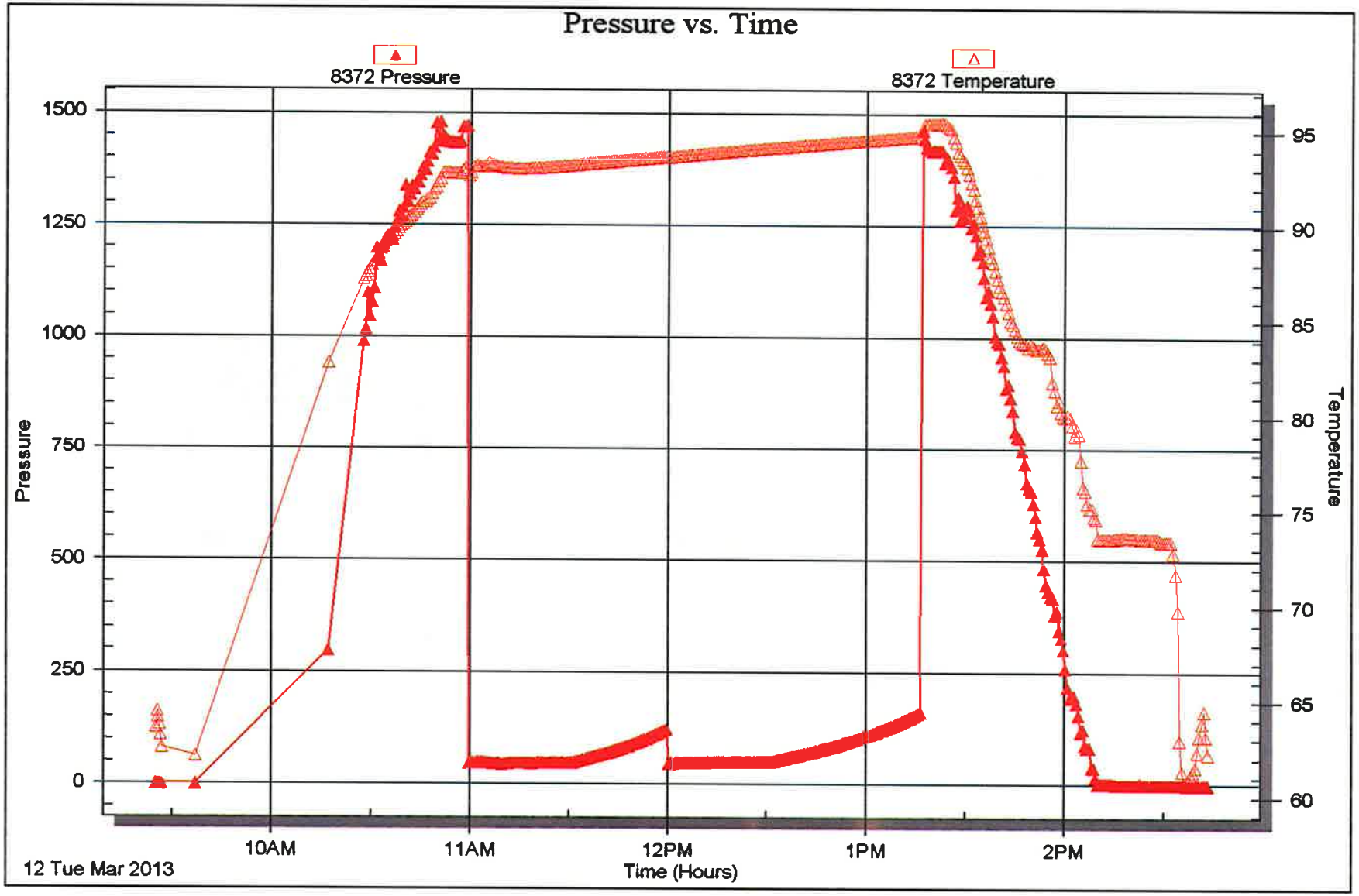
Recovery Comments:

Serial #: 8844 Inside H&B Petroleum Corp John Spanier #6 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51489 Printed: 2013.03.20 @ 15:06:10

Serial #: 8372 Outside H&B Petroleum Corp John Spanier #6 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51489 Printed: 2013.03.20 @ 15:06:11

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

John Spanier #6

12-20s-11w Barton,KS

Start Date: 2013.03.13 @ 13:30:00
End Date: 2013.03.13 @ 18:19:00
Job Ticket #: 51490 DST #: 2

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

Printed: 2013.03.20 @ 15:04:23

H&B Petroleum Corp 12-20s-11w Barton,KS John Spanier #6 DST # 2 Arbuckle 2013.03.13

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

H&B Petroleum Corp
PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51490 **DST#: 2**

Test Start: 2013.03.13 @ 13:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:58:20
Time Test Ended: 18:19:00

Interval: 3241.00 ft (KB) To 3273.00 ft (KB) (TVD)
Total Depth: 3273.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

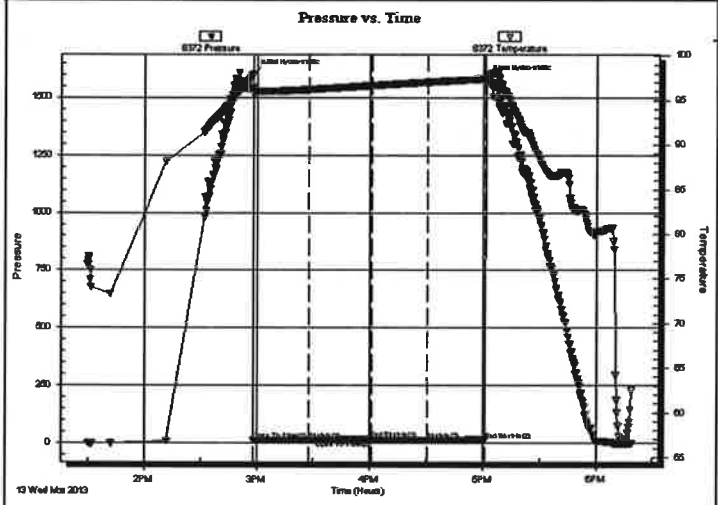
Test Type: Conventional Bottom Hole (Initial)
Tester: Randy Williams
Unit No: 68

Reference Elevations: 1765.00 ft (KB)
1757.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8372 **Outside**

Press@RunDepth:	12.86 psig @	3246.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.03.13	End Date:	2013.03.13	Last Calib.:	2013.03.13
Start Time:	13:30:05	End Time:	18:18:59	Time On Btm:	2013.03.13 @ 14:58:10
				Time Off Btm:	2013.03.13 @ 17:01:40

TEST COMMENT: IF,30-Weak surface blow died in 15 min
ISI,30-NBB
FF,30-No blow
FSI,30-NBB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1601.73	96.45	Initial Hydro-static
1	11.89	95.68	Open To Flow (1)
30	12.80	96.23	Shut-In(1)
63	17.08	96.67	End Shut-In(1)
63	11.51	96.67	Open To Flow (2)
93	12.86	97.06	Shut-In(2)
123	15.29	97.44	End Shut-In(2)
124	1582.15	98.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud	0.01
0.00	Oil spots on top of tool	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

H&B Petroleum Corp
PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51490 **DST#: 2**

Test Start: 2013.03.13 @ 13:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:58:20
Time Test Ended: 18:19:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Randy Williams
Unit No: 68

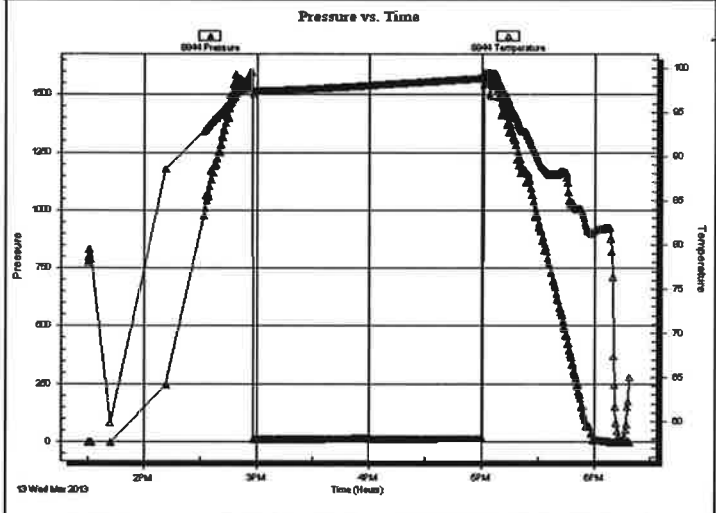
Interval: 3241.00 ft (KB) To 3273.00 ft (KB) (TVD)
Total Depth: 3273.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1765.00 ft (KB)
1757.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8844 **Inside**

Press@RunDepth:	psig @	3246.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.03.13	End Date:	2013.03.13	Last Calib.:	1899.12.30
Start Time:	13:30:05	End Time:	18:18:50	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF,30-Weak surface blow died in 15 min
ISI,30-NBB
FF,30-No blow
FSI,30-NBB



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud	0.01
0.00	Oil spots on top of tool	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC.

H&B Petroleum Corp
PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51490 **DST#: 2**

Test Start: 2013.03.13 @ 13:30:00

Tool Information

Drill Pipe:	Length:	3241.00 ft	Diameter:	3.80 inches	Volume:	45.46 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:		22000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		51000.00 lb
					Total Volume:	45.46 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		21.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		3241.00 ft						Final	51000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		32.00 ft							
Tool Length:		53.00 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			3221.00		
Shut In Tool	5.00			3226.00		
Hydraulic tool	5.00			3231.00		
Packer	5.00			3236.00	21.00	Bottom Of Top Packer
Packer	5.00			3241.00		
Stubb	1.00			3242.00		
perforations	2.00			3244.00		
Change Over Sub	1.00			3245.00		
Blank Spacing	0.00			3245.00		
change Over Sub	1.00			3246.00		
Recorder	0.00	8844	Inside	3246.00		
Recorder	0.00	8372	Outside	3246.00		
Perforations	24.00			3270.00		
Bullnose	3.00			3273.00	32.00	Bottom Packers & Anchor
Total Tool Length:	**53.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC.

H&B Petroleum Corp

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51490 **DST#: 2**

Test Start: 2013.03.13 @ 13:30:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.70 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	1.50 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud	0.014
0.00	Oil spots on top of tool	0.000

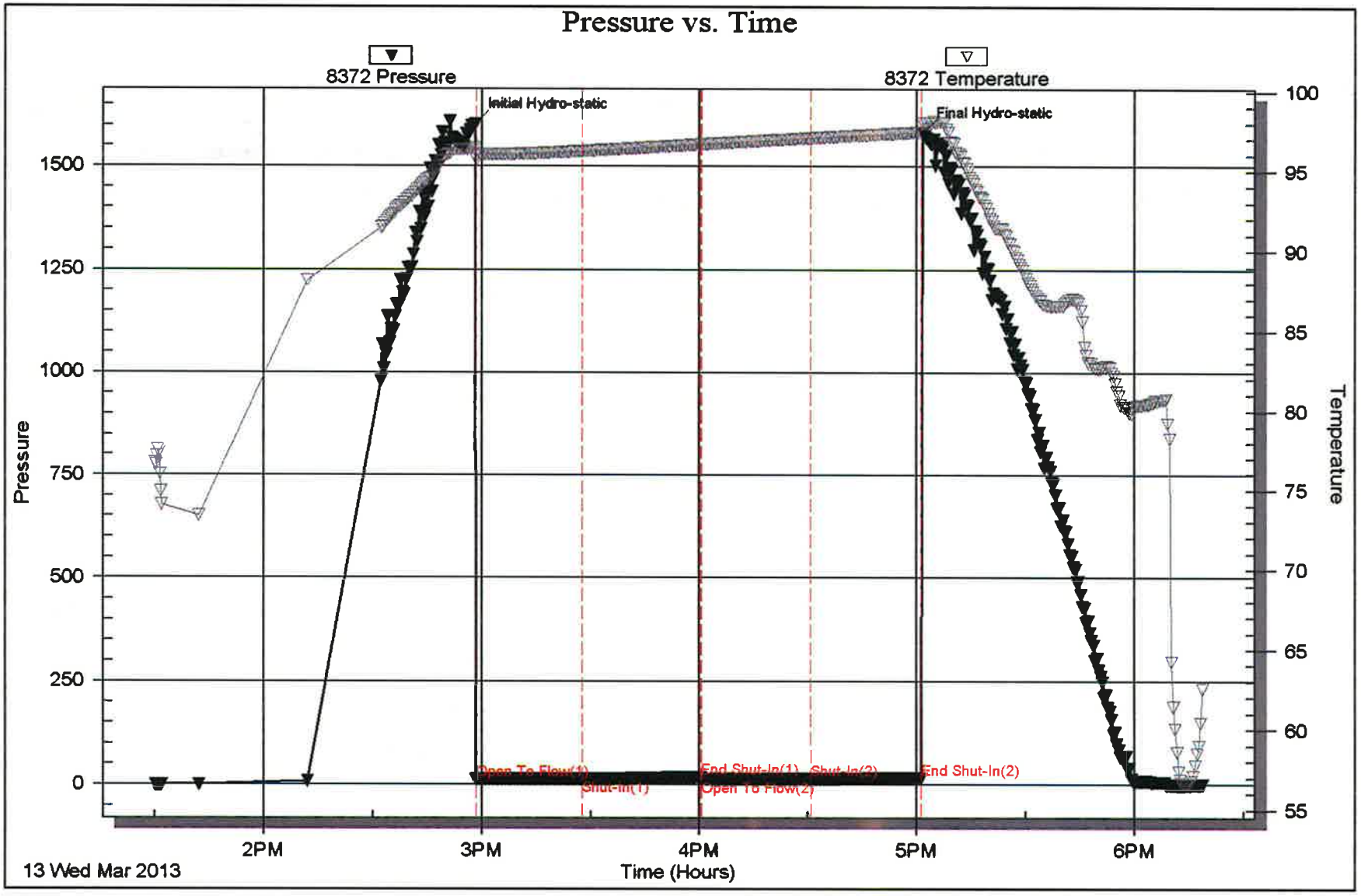
Total Length: 1.00 ft Total Volume: 0.014 bbl

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

Laboratory Name: Laboratory Location:

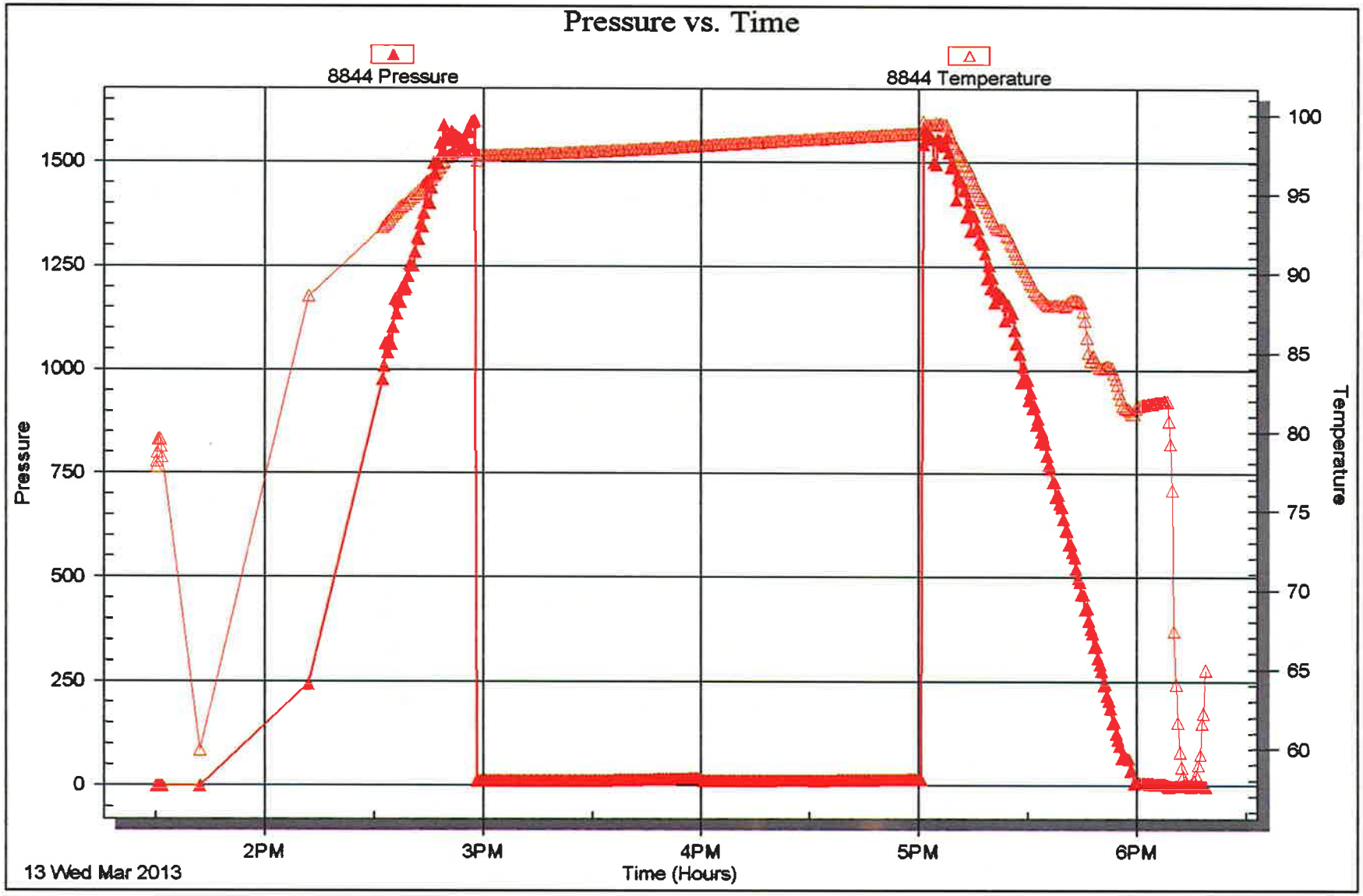
Recovery Comments:

Serial #: 8372 Outside H&B Petroleum Corp John Spanier #6 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 51490 Printed: 2013.03.20 @ 15:04:26

Serial #: 8844 Inside H&B Petroleum Corp John Spanier #6 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 51490 Printed: 2013.03.20 @ 15:04:26

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

John Spanier #6

12-20s-11w Barton,KS

Start Date: 2013.03.14 @ 00:30:00

End Date: 2013.03.14 @ 06:49:20

Job Ticket #: 51491 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.20 @ 15:03:18

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

H&B Petroleum Corp

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51491 **DST#: 3**

Test Start: 2013.03.14 @ 00:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:16:20
Time Test Ended: 06:49:20

Test Type: Conventional Bottom Hole (Initial)
Tester: Randy Williams
Unit No: 68

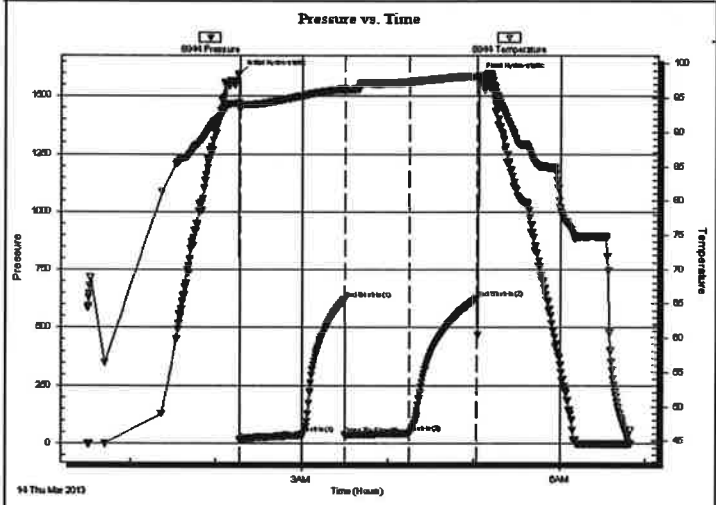
Interval: 3241.00 ft (KB) To 3279.00 ft (KB) (TVD)
Total Depth: 3279.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1765.00 ft (KB)
1757.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8844 **Inside**

Press@RunDepth:	44.65 psig @	3246.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.03.14	End Date:	2013.03.14	Last Calib.:	2013.03.14
Start Time:	00:30:05	End Time:	06:49:20	Time On Btm:	2013.03.14 @ 02:16:10
				Time Off Btm:	2013.03.14 @ 05:03:20

TEST COMMENT: IF,45-Fair building blow built to 5 1/2"
ISI,30-NBB
FF,45-Fair building blow built to 6"
FSI,45-NBB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1597.07	94.28	Initial Hydro-static
1	14.27	93.38	Open To Flow (1)
44	40.45	95.31	Shut-In(1)
74	620.26	96.25	End Shut-In(1)
75	36.63	96.09	Open To Flow (2)
119	44.65	97.28	Shut-In(2)
166	628.04	98.15	End Shut-In(2)
168	1582.60	98.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	CO 100%	0.03
61.00	SOWCM 5%O, 5%W 90%M	0.86

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

H&B Petroleum Corp
PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51491 **DST#: 3**

Test Start: 2013.03.14 @ 00:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:16:20
Time Test Ended: 06:49:20

Test Type: Conventional Bottom Hole (Initial)
Tester: Randy Williams
Unit No: 68

Interval: 3241.00 ft (KB) To 3279.00 ft (KB) (TVD)
Total Depth: 3279.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1765.00 ft (KB)
1757.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8372 **Outside**

Press@RunDepth:	psig @	3246.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.03.14	End Date:	2013.03.14	Last Calib.:	1899.12.30
Start Time:	00:30:05	End Time:	06:49:29	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF,45-Fair building blow built to 5 1/2"
ISI,30-NBB
FF,45-Fair building blow built to 6"
FSI,45-NBB

PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2.00	CO 100%	0.03
61.00	SOWCM 5%O, 5%W 90%M	0.86

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC.

H&B Petroleum Corp

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51491 **DST#: 3**

Test Start: 2013.03.14 @ 00:30:00

Tool Information

Drill Pipe:	Length:	3241.00 ft	Diameter:	3.80 inches	Volume:	45.46 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:		22000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		51000.00 lb
					Total Volume:	45.46 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		21.00 ft					String Weight:	Initial	51000.00 lb
Depth to Top Packer:		3241.00 ft						Final	51000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		38.00 ft							
Tool Length:		59.00 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			3221.00		
Shut In Tool	5.00			3226.00		
Hydraulic tool	5.00			3231.00		
Packer	5.00			3236.00	21.00	Bottom Of Top Packer
Packer	5.00			3241.00		
Stubb	1.00			3242.00		
perforations	2.00			3244.00		
Change Over Sub	1.00			3245.00		
Blank Spacing	0.00			3245.00		
change Over Sub	1.00			3246.00		
Recorder	0.00	8844	Inside	3246.00		
Recorder	0.00	8372	Outside	3246.00		
Perforations	30.00			3276.00		
Bullnose	3.00			3279.00	38.00	Bottom Packers & Anchor
Total Tool Length:	**59.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC.

H&B Petroleum Corp

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51491 **DST#: 3**

Test Start: 2013.03.14 @ 00:30:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.71 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	1.50 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	CO 100%	0.028
61.00	SOWCM 5%O, 5%W 90%M	0.856

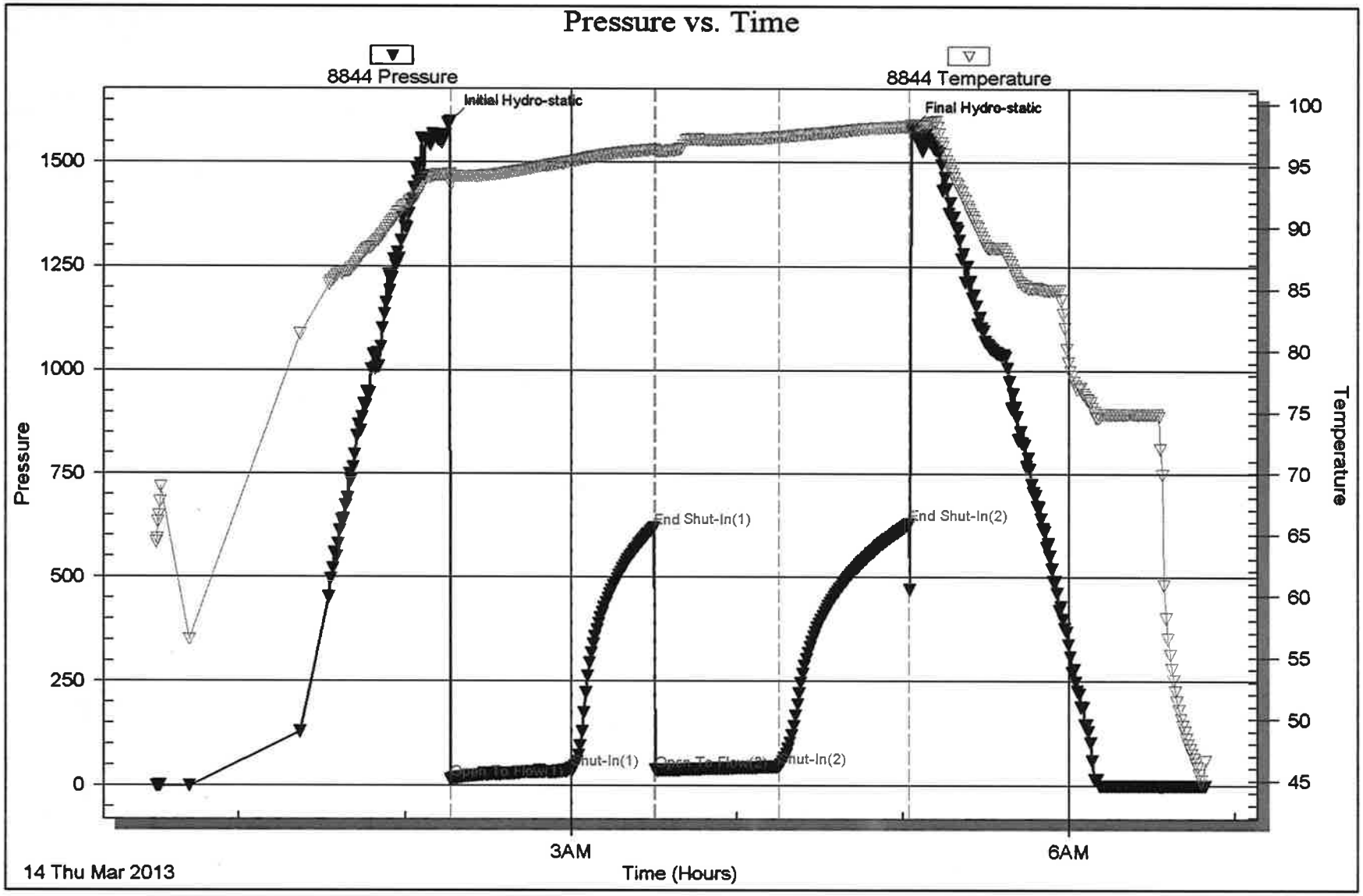
Total Length: 63.00 ft Total Volume: 0.884 bbl

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

Laboratory Name: Laboratory Location:

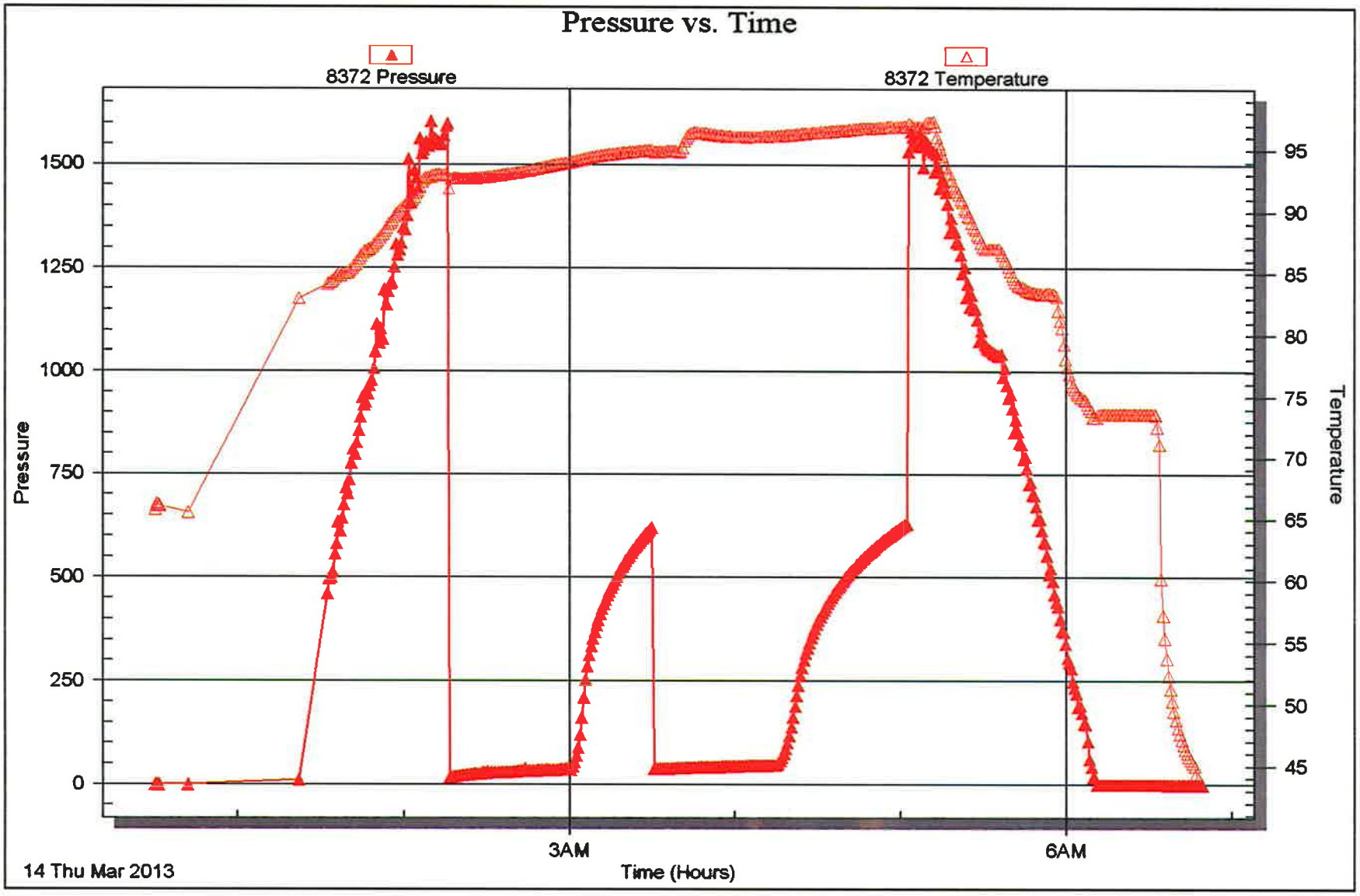
Recovery Comments: WATER= 1.80 @ 30

Serial #: 8844 Inside H&B Petroleum Corp John Spanier #6 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 51491 Printed: 2013.03.20 @ 15:03:21

Serial #: 8372 Outside H&B Petroleum Corp John Spanier #6 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 51491 Printed: 2013.03.20 @ 15:03:21

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

John Spanier #6

12-20s-11w Barton,KS

Start Date: 2013.03.14 @ 12:23:00
End Date: 2013.03.14 @ 17:26:50
Job Ticket #: 51492 DST #: 4

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

Printed: 2013.03.20 @ 14:37:53

H&B Petroleum Corp 12-20s-11w Barton,KS John Spanier #6 DST # 4 Arbuckle 2013.03.14

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

H&B Petroleum Corp

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51492 **DST#: 4**

Test Start: 2013.03.14 @ 12:23:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:50:10
Time Test Ended: 17:26:50

Test Type: Conventional Bottom Hole (Initial)
Tester: Randy Williams
Unit No: 68

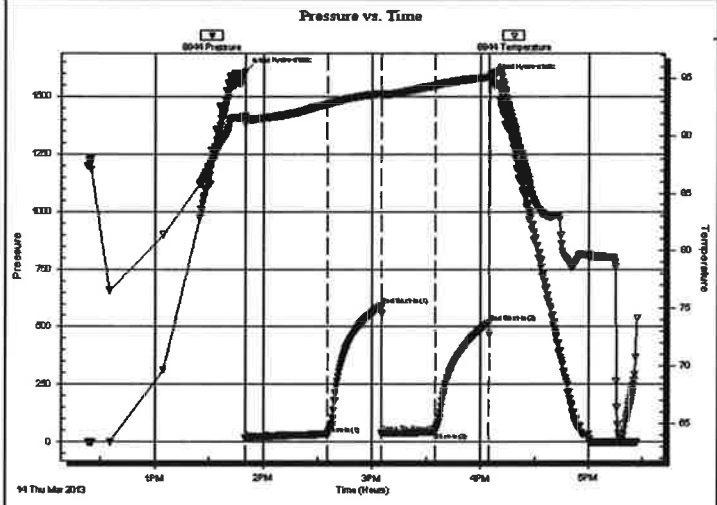
Interval: 3240.00 ft (KB) To 3283.00 ft (KB) (TVD)
Total Depth: 3283.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1765.00 ft (KB)
1757.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8844 **Inside**

Press@RunDepth:	42.54 psig @	3245.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.03.14	End Date:	2013.03.14	Last Calib.:	2013.03.14
Start Time:	12:23:05	End Time:	17:26:50	Time On Btm:	2013.03.14 @ 13:50:00
				Time Off Btm:	2013.03.14 @ 16:05:10

TEST COMMENT: IF,45-WBB Built to 4"
ISI,30-NBB
FF,30-WBB Built to 1 1/2"
FSI,30-NBB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1610.22	91.76	Initial Hydro-static
1	14.77	91.07	Open To Flow (1)
46	33.85	92.74	Shut-In(1)
75	592.38	93.66	End Shut-In(1)
76	37.20	93.41	Open To Flow (2)
105	42.54	94.34	Shut-In(2)
135	517.62	95.08	End Shut-In(2)
136	1582.46	95.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	CO 100%	0.01
61.00	WM 10%W, 90%M	0.86

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

H&B Petroleum Corp
PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51492 **DST#: 4**

Test Start: 2013.03.14 @ 12:23:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:50:10
Time Test Ended: 17:26:50

Test Type: Conventional Bottom Hole (Initial)
Tester: Randy Williams
Unit No: 68

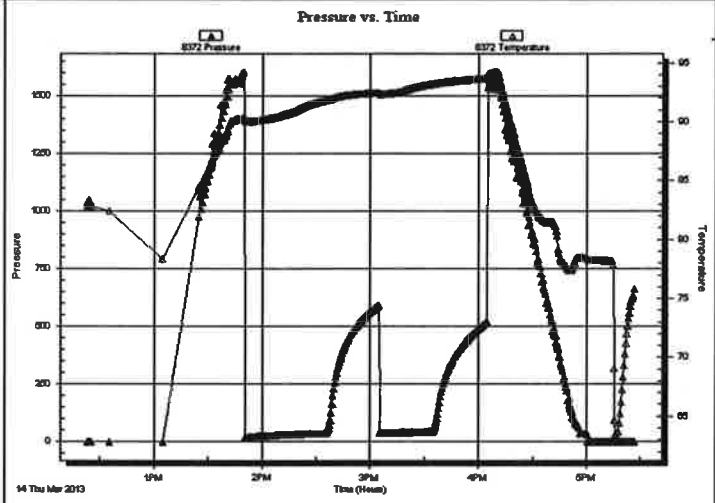
Interval: 3240.00 ft (KB) To 3283.00 ft (KB) (TVD)
Total Depth: 3283.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1765.00 ft (KB)
1757.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8372 **Outside**

Press@RunDepth:	psig @	3245.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.03.14	End Date:	2013.03.14	Last Calib.:	1899.12.30
Start Time:	12:23:05	End Time:	17:26:59	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF,45-WBB Built to 4"
ISI,30-NBB
FF,30-WBB Built to 1 1/2"
FSI,30-NBB



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1.00	CO 100%	0.01
61.00	WM 10%W, 90%M	0.86

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC.

H&B Petroleum Corp

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51492 **DST#: 4**

Test Start: 2013.03.14 @ 12:23:00

Tool Information

Drill Pipe:	Length:	3240.00 ft	Diameter:	3.80 inches	Volume:	45.45 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:		22000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		54000.00 lb
					Total Volume:	45.45 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		21.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		3240.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		43.00 ft							
Tool Length:		64.00 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			3220.00		
Shut In Tool	5.00			3225.00		
Hydraulic tool	5.00			3230.00		
Packer	5.00			3235.00	21.00	Bottom Of Top Packer
Packer	5.00			3240.00		
Stubb	1.00			3241.00		
perforations	2.00			3243.00		
Change Over Sub	1.00			3244.00		
Blank Spacing	0.00			3244.00		
change Over Sub	1.00			3245.00		
Recorder	0.00	8844	Inside	3245.00		
Recorder	0.00	8372	Outside	3245.00		
Perforations	35.00			3280.00		
Bullnose	3.00			3283.00	43.00	Bottom Packers & Anchor
Total Tool Length:	**64.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC.

H&B Petroleum Corp

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51492 **DST#: 4**

Test Start: 2013.03.14 @ 12:23:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.56 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	1.50 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	CO 100%	0.014
61.00	WM 10%W, 90%M	0.856

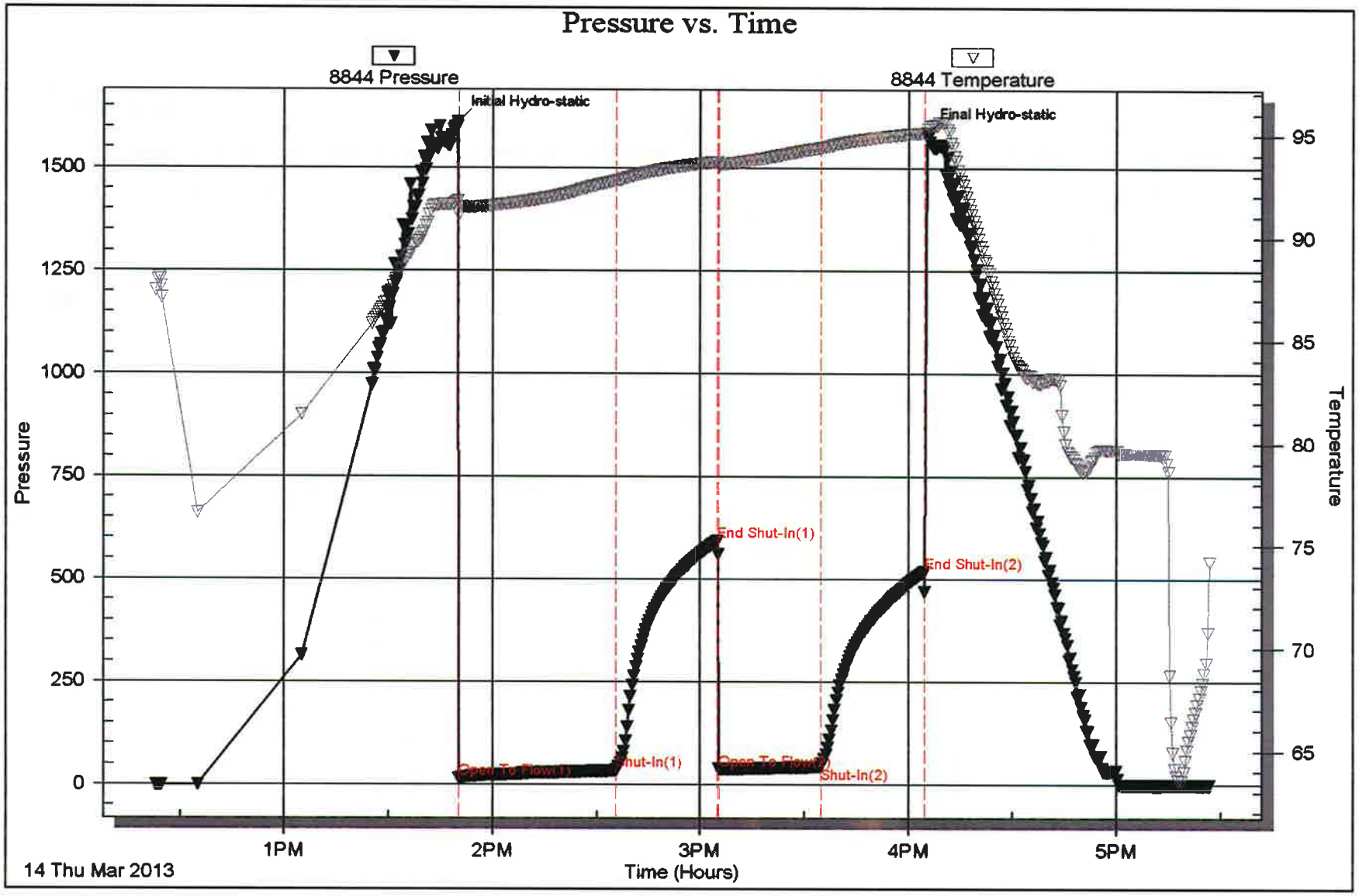
Total Length: 62.00 ft Total Volume: 0.870 bbl

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

Laboratory Name: Laboratory Location:

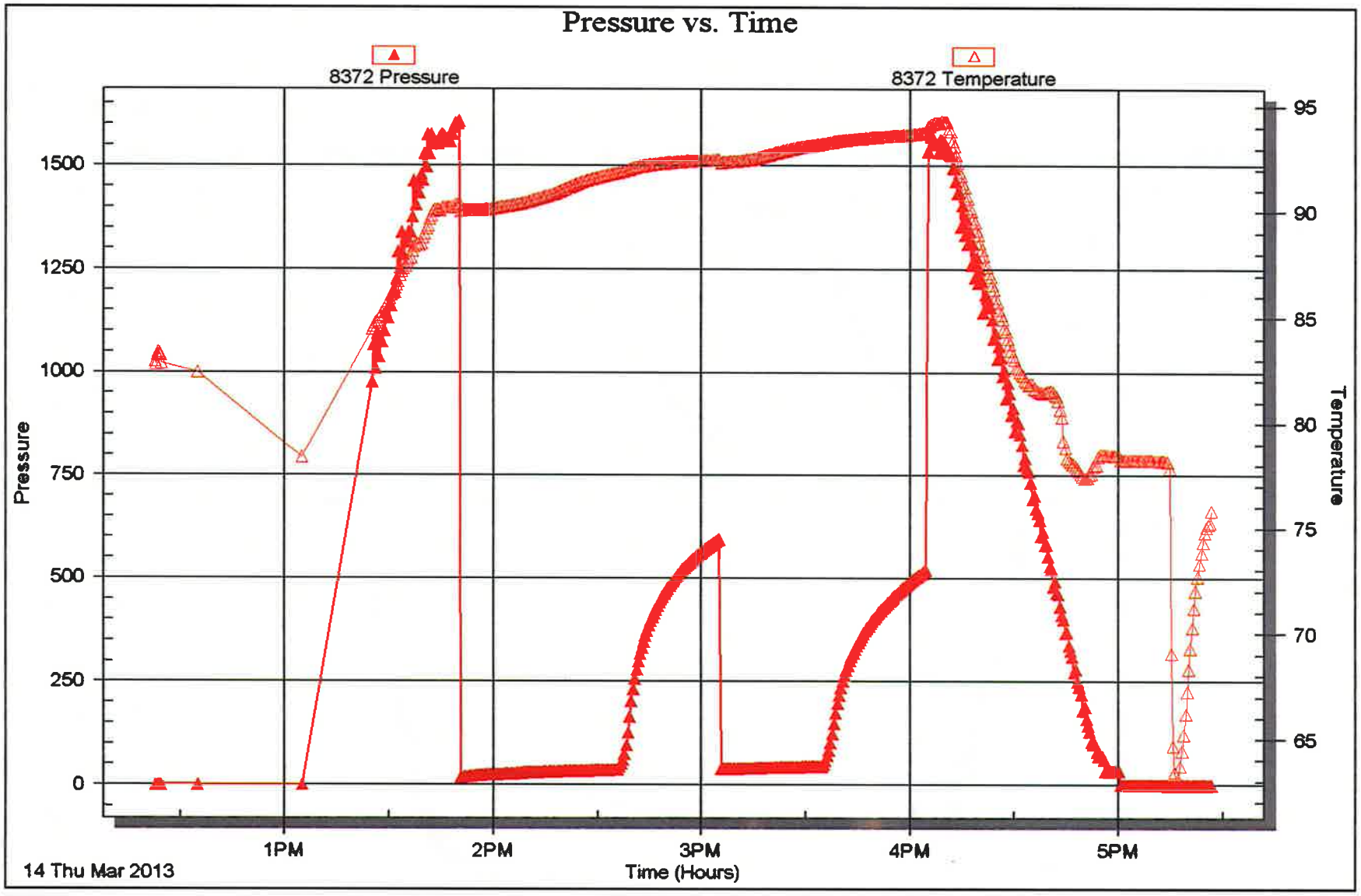
Recovery Comments: WATER= 1.820 @ 55

Serial #: 8844 Inside H&B Petroleum Corp John Spanier #6 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 51492 Printed: 2013.03.20 @ 14:37:56

Serial #: 8372 Outside H&B Petroleum Corp John Spanier #6 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 51492 Printed: 2013.03.20 @ 14:37:57

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

John Spanier #6

12-20s-11w Barton,KS

Start Date: 2013.03.14 @ 22:45:00
End Date: 2013.03.15 @ 05:01:39
Job Ticket #: 51493 DST #: 5

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

Printed: 2013.03.20 @ 14:34:38

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

H&B Petroleum Corp
PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51493 **DST#: 5**

Test Start: 2013.03.14 @ 22:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:32:10
Time Test Ended: 05:01:39

Test Type: Conventional Bottom Hole (Initial)
Tester: Randy Williams
Unit No: 68

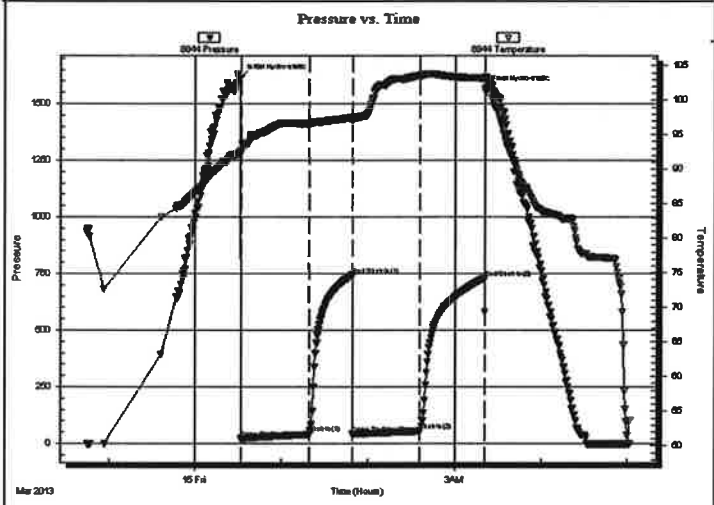
Interval: 3278.00 ft (KB) To 3288.00 ft (KB) (TVD)
Total Depth: 3288.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1765.00 ft (KB)
1757.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8844 **Inside**

Press@RunDepth:	54.61 psig @	3278.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.03.14	End Date:	2013.03.15	Last Calib.:	2013.03.15
Start Time:	22:45:05	End Time:	05:01:40	Time On Btm:	2013.03.15 @ 00:31:40
				Time Off Btm:	2013.03.15 @ 03:21:09

TEST COMMENT: IF,45-Fair building blow built to 5"
ISI,30-NBB
FF,45-Weak building blow built to 4"
FSI,45-NBB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1614.23	92.62	Initial Hydro-static
1	22.52	92.42	Open To Flow (1)
48	40.55	96.68	Shut-In(1)
78	743.36	97.48	End Shut-In(1)
78	42.24	97.12	Open To Flow (2)
125	54.61	103.56	Shut-In(2)
169	730.26	103.17	End Shut-In(2)
170	1565.53	103.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCWM 10%O, 40%W, 50%M	0.42
60.00	MW 50%M, 50%W	0.84

Gas Rates

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

H&B Petroleum Corp
PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51493 **DST#: 5**

Test Start: 2013.03.14 @ 22:45:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:32:10
Time Test Ended: 05:01:39

Interval: 3278.00 ft (KB) To 3288.00 ft (KB) (TVD)
Total Depth: 3288.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

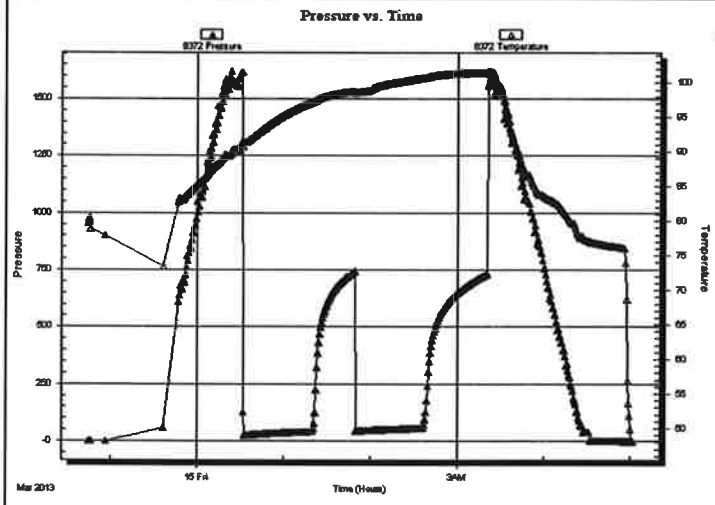
Test Type: Conventional Bottom Hole (Initial)
Tester: Randy Williams
Unit No: 68

Reference Elevations: 1765.00 ft (KB)
1757.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8372 **Outside**

Press@RunDepth:	psig @	3278.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.03.14	End Date:	2013.03.15	Last Calib.:	1899.12.30
Start Time:	22:45:05	End Time:	05:01:50	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF,45-Fair building blow built to 5"
ISI,30-NBB
FF,45-Weak building blow built to 4"
FSI,45-NBB



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCWM 10%O, 40%W, 50%M	0.42
60.00	MW 50%M, 50%W	0.84

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC.

H&B Petroleum Corp

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51493 **DST#: 5**

Test Start: 2013.03.14 @ 22:45:00

Tool Information

Drill Pipe:	Length:	3278.00 ft	Diameter:	3.80 inches	Volume:	45.98 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:		22000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight to Pull Loose:		54000.00 lb
					Total Volume:	45.98 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		21.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		3278.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		10.00 ft							
Tool Length:		31.00 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			3258.00		
Shut In Tool	5.00			3263.00		
Hydraulic tool	5.00			3268.00		
Packer	5.00			3273.00	21.00	Bottom Of Top Packer
Packer	5.00			3278.00		
Stubb	0.00			3278.00		
perforations	0.00			3278.00		
Change Over Sub	0.00			3278.00		
Blank Spacing	0.00			3278.00		
change Over Sub	0.00			3278.00		
Recorder	0.00	8844	Inside	3278.00		
Recorder	0.00	8372	Outside	3278.00		
Perforations	7.00			3285.00		
Bullnose	3.00			3288.00	10.00	Bottom Packers & Anchor
Total Tool Length:	**31.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC.

H&B Petroleum Corp

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51493 **DST#: 5**

Test Start: 2013.03.14 @ 22:45:00

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:	3750 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.57 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	1.50 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCWM 10%O, 40%W, 50%M	0.421
60.00	MW 50%M, 50%W	0.842

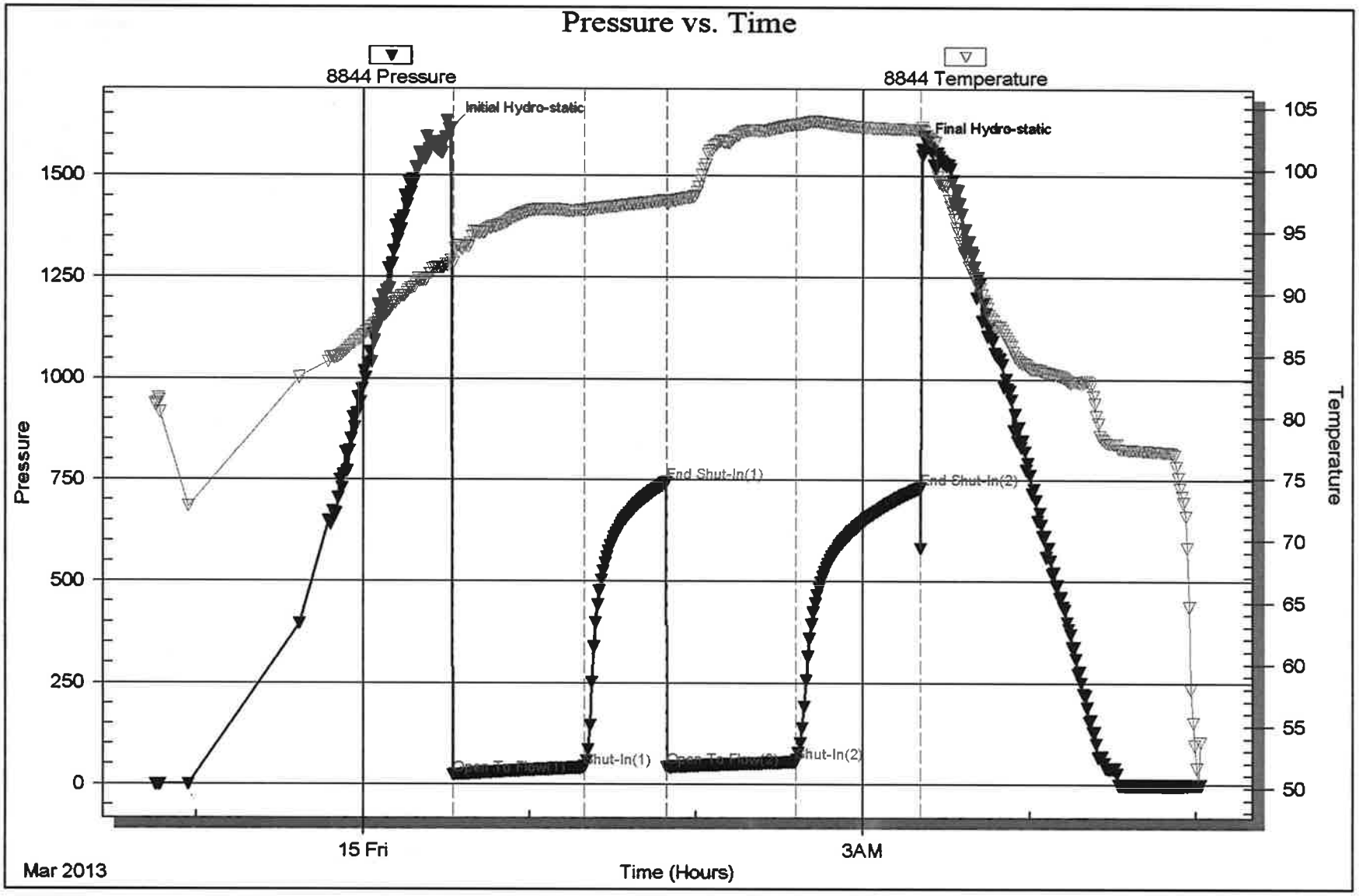
Total Length: 90.00 ft Total Volume: 1.263 bbl

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

Laboratory Name: Laboratory Location:

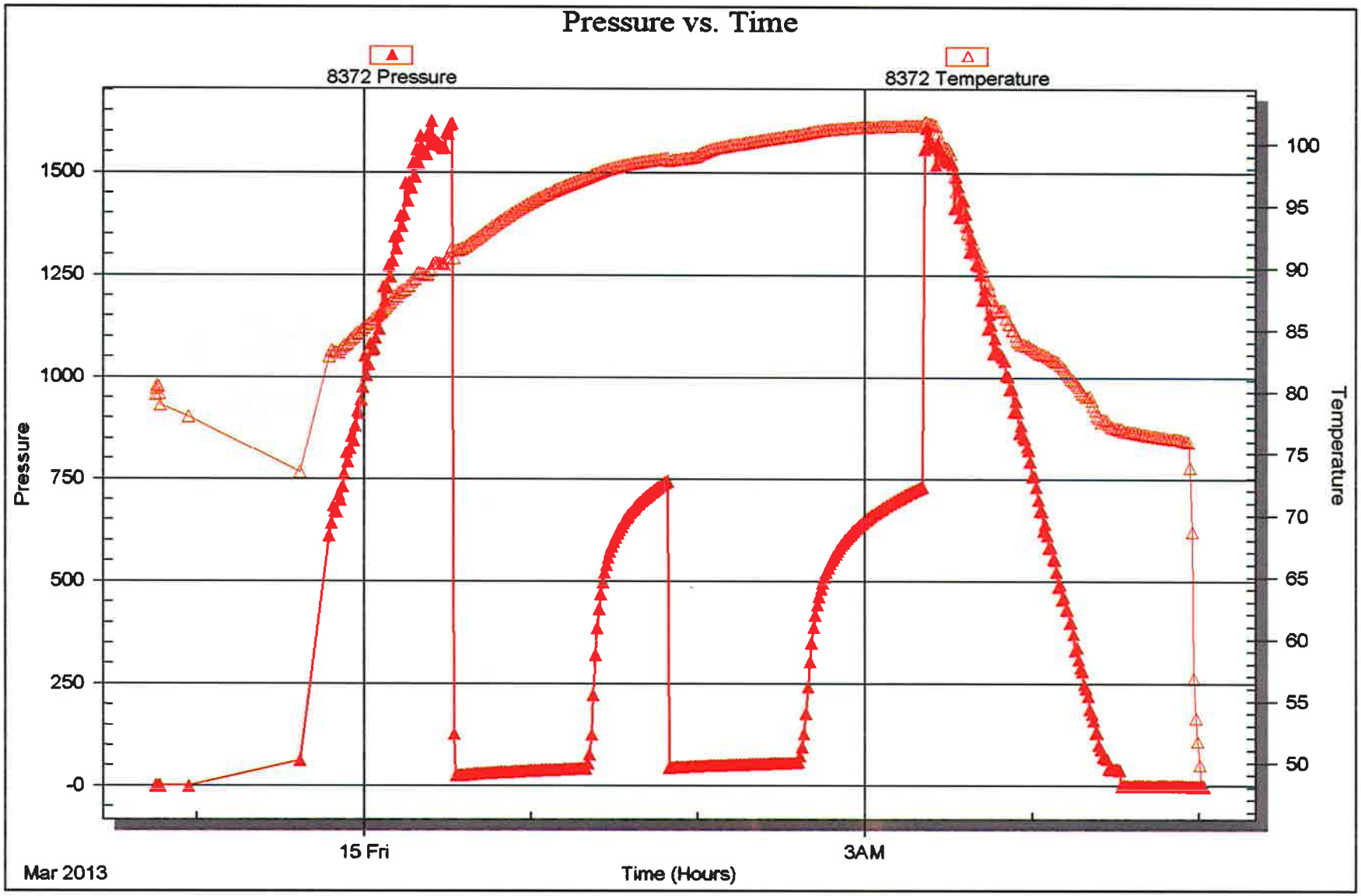
Recovery Comments: WATER= 1.875 @ 62

Serial #: 8844 Inside H&B Petroleum Corp John Spanier #6 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 51493 Printed: 2013.03.20 @ 14:34:41

Serial #: 8372 Outside H&B Petroleum Corp John Spanier #6 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 51493 Printed: 2013.03.20 @ 14:34:41

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

John Spanier #6

12-20s-11w Barton,KS

Start Date: 2013.03.15 @ 12:30:00

End Date: 2013.03.15 @ 18:28:50

Job Ticket #: 51494 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.03.20 @ 14:29:58

H&B Petroleum Corp 12-20s-11w Barton,KS John Spanier #6 DST # 6 Arbuckle 2013.03.15

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

H&B Petroleum Corp
PO Box 277
Ellinwood, KS 67526

ATTN: Jim Musgrove

12-20s-11w Barton,KS

John Spanier #6

Job Ticket: 51494 **DST#: 6**

Test Start: 2013.03.15 @ 12:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:02:50
Time Test Ended: 18:28:50

Test Type: Conventional Bottom Hole (Initial)
Tester: Randy Williams
Unit No: 68

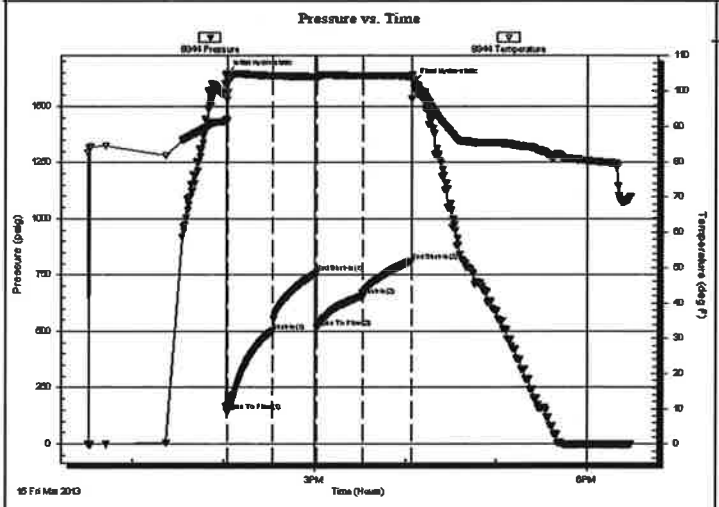
Interval: 3292.00 ft (KB) To 3304.00 ft (KB) (TVD)
Total Depth: 3304.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1765.00 ft (KB)
1757.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8844 **Inside**

Press@RunDepth:	655.97 psig @	3292.00 ft (KB)		Capacity:	8000.00 psig
Start Date:	2013.03.15	End Date:	2013.03.15	Last Calib.:	2013.03.19
Start Time:	12:30:35	End Time:	18:28:50	Time On Btm:	2013.03.15 @ 14:02:10
				Time Off Btm:	2013.03.15 @ 16:05:00

TEST COMMENT: IF,30-SBB, BOB in 1 min
ISI,30-BB, Built to 4"
FF,30-SBB, BOB in 1 min
FSI,30-BB built to 1 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1645.51	91.97	Initial Hydro-static
1	143.74	97.52	Open To Flow (1)
31	501.47	104.34	Shut-In(1)
60	759.57	104.01	End Shut-In(1)
60	515.73	103.88	Open To Flow (2)
90	655.97	104.40	Shut-In(2)
122	812.65	104.26	End Shut-In(2)
123	1605.00	103.26	Final Hydro-static

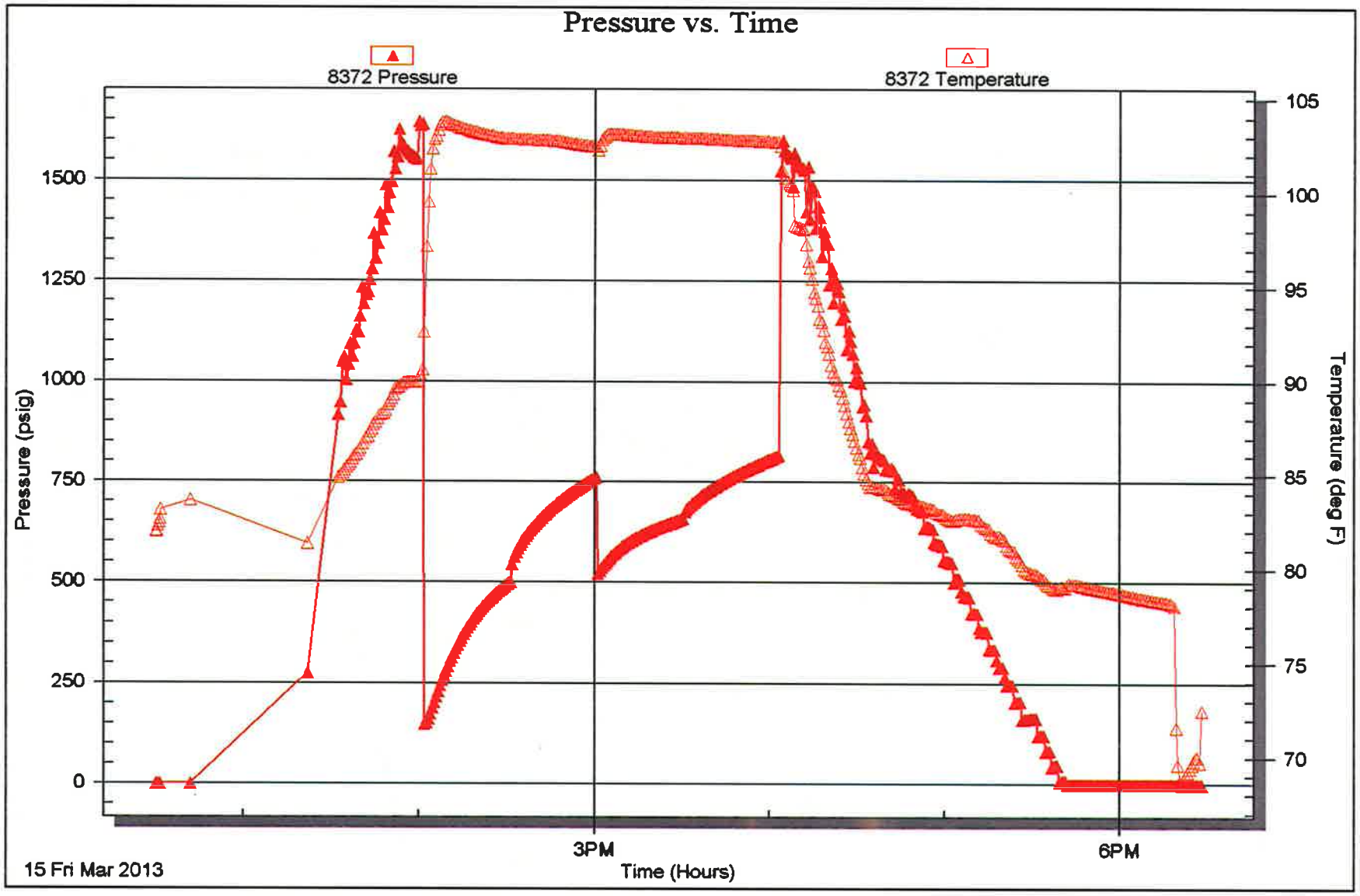
Recovery

Length (ft)	Description	Volume (bbl)
434.00	Water 100%W	6.09
682.00	SMCOW 20%O,50%W,10%M	9.57
130.00	SOGCMW G10%, 20%O 60W 10M	1.82
242.00	CO 100% O	3.39
0.00	186' GIP	0.00

Gas Rates

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

Serial #: 8372 Outside H&B Petroleum Corp John Spanier #6 DST Test Number: 6



Trilobite Testing, Inc Ref. No: 51494 Printed: 2013.03.20 @ 14:30:01

TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51489

Well Name & No. JOHN SPANIER #6 Test No. 1 Date 3-12-13
Company H+B PETROLEUM CORP Elevation 1765 KB 1757 GL
Address P.O. BOX 277 ELLINWOOD KS 67526
Co. Rep / Geo. JIM MUSGROVE Rig SOUTHWIND #6
Location: Sec. 12 Twp. 20S Rge. 11 W Co. BARTON State KS

Interval Tested 2988-3091 Zone Tested KC A-E
Anchor Length 103 Drill Pipe Run 2992 Mud Wt. 9
Top Packer Depth 2983 Drill Collars Run NA Vis 60
Bottom Packer Depth 2988 Wt. Pipe Run NA WL 9.6
Total Depth 3091 Chlorides 5000 ppm System LCM 2

Blow Description IF, 30 - WEAK BUILDING 2 1/2 AT END OF OPEN
ISI - NBB - 30
FF, 30 - WEAK BUILDING 1 INCH AT END OF OPEN
FSI - NBB - 45

Rec	Feet of	%gas	%oil	%water	%mud
15	MUD				100
	OIL SPOTS ON TOP OF TOOL				

Rec Total 15 BHT 95° Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1,472
(B) First Initial Flow 44
(C) First Final Flow 46
(D) Initial Shut-In 121
(E) Second Initial Flow 44
(F) Second Final Flow 49
(G) Final Shut-In 159
(H) Final Hydrostatic 1,449

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

☒ Test 1150
☐ Jars
☐ Safety Joint
☐ Circ Sub
☐ Hourly Standby
☒ Mileage 132 RTP 204.60
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
Sub Total 1354.60

T-On Location 0700
T-Started 0715
T-Open 1100
T-Pulled 1315
T-Out 1445
Comments

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
Sub Total 0
Total 1354.60
MP/DST Disc't

Approved By ____ 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.

TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51490

Well Name & No. JOHN SPANIER #6 Test No. 2 Date 3-13-13
Company H&B PETROLEUM CORP Elevation 1765 KB 1757 GL
Address P.O. BOX 277 ELLINWOOD KS 67526
Co. Rep / Geo. JIM MUSGROVE Rig SOUTHWIND #6
Location: Sec. 12 Twp. 20S Rge. 11W Co. BARTON State KS

Interval Tested 3241-3273 Zone Tested ARBUCKLE
Anchor Length 32 Drill Pipe Run 3241 Mud Wt. 9.1
Top Packer Depth 3236 Drill Collars Run NA Vis 49
Bottom Packer Depth 3241 Wt. Pipe Run NA WL 8.8
Total Depth 3273 Chlorides 8000 ppm System LCM 1.5

Blow Description IF,30-WEAK SURFACE BLOW DIED 15MIN'S INTO
ISI,30-NBB
FF,30-NO BLOW
FSI,30-NBB

Rec 1	Feet of MUD	%gas	%oil	%water	100 %mud
Rec	Feet of OIL SPOTS ON TOP OF TOOL	%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 1 FOOT BHT ____ Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic	1,602	☒ Test 1150	T-On Location 1150
(B) First Initial Flow	12	☐ Jars	T-Started 1210
(C) First Final Flow	13	☐ Safety Joint	T-Open 1450
(D) Initial Shut-In	17	☐ Circ Sub	T-Pulled 1650
(E) Second Initial Flow	12	☐ Hourly Standby	T-Out
(F) Second Final Flow	13	☒ Mileage 132 204.60	Comments
(G) Final Shut-In	15	☐ Sampler	
(H) Final Hydrostatic	1,582	☐ Straddle	☐ Ruined Shale Packer
		☐ Shale Packer	☐ Ruined Packer
Initial Open	30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In	30	☐ Extra Recorder	Sub Total 0
Final Flow	30	☐ Day Standby	Total 1354.60
Final Shut-In	30	☐ Accessibility	MP/DST Disc't
		Sub Total 1354.60	

Approved By ____ 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.

TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 51491

Well Name & No. JOHN SPANIER #6 Test No. 3 Date 3-14-13
Company H+B PETROLEUM CORP Elevation 1765 KB 1757 GL
Address P.O. BOX 277 ELLINWOOD KS 67526
Co. Rep / Geo. JIM MUSGROVE Rig SOUTH WIND #6
Location: Sec. 12 Twp. 20S Rge. 11W Co. BARTON State KS

Interval Tested 3241 - 3279 Zone Tested ARBUCKLE
Anchor Length 38 Drill Pipe Run 3241 Mud Wt. 9.1
Top Packer Depth 3236 Drill Collars Run NA Vis 49
Bottom Packer Depth 3241 Wt. Pipe Run NA WL 8.8
Total Depth 3279 Chlorides 8000 ppm System LCM 1.5

Blow Description IF, 45 - FAIR BILDING BLOW BUILT TO 5 1/2 INCH'S
ISI, 30 - NBB
FF, 45 - FAIR BILDING BLOW BUILT TO 6 INCH'S
FSI, 45 - NBB

Rec	2	Feet of	CLEAN OIL	%gas	100 %oil	%water	%mud
Rec	61	Feet of	OIL, WATER CUT MUT	%gas	5 %oil	5 %water	90 %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 98 Gravity API RW 1.80 @ 30 °F Chlorides ppm

(A) Initial Hydrostatic 1,597
(B) First Initial Flow 14
(C) First Final Flow 40
(D) Initial Shut-In 620
(E) Second Initial Flow 37
(F) Second Final Flow 45
(G) Final Shut-In 628
(H) Final Hydrostatic 1,583

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

- [x] Test 1150
- [ ] Jars
- [ ] Safety Joint
- [ ] Circ Sub
- [ ] Hourly Standby
- [x] Mileage 132 RTP 204.60
- [ ] Sampler
- [ ] Straddle
- [ ] Shale Packer
- [ ] Extra Packer
- [ ] Extra Recorder
- [ ] Day Standby
- [ ] Accessibility

Sub Total 1354.60

T-On Location 2230
T-Started 2300
T-Open 0215
T-Pulled 0500
T-Out 0650
Comments

- [ ] Ruined Shale Packer
- [ ] Ruined Packer
- [ ] Extra Copies

Sub Total 0
Total 1354.60
MP/DST Disc't

Approved By Our Representative [signature]

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TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51492

Well Name & No. JOHN SPANIER #6 Test No. 4 Date 3-14-13
Company H+B PETROLEUM CORP Elevation 1765 KB 1757 GL
Address P.O. BOX 277 ELLINWOOD KS 67526
Co. Rep / Geo. JIM MUSGROVE Rig SOUTH WIND #6
Location: Sec. 12 Twp. 20S Rge. 11 W Co. BARTON State KS

Interval Tested 3240-3283 Zone Tested ARBUCKLE
Anchor Length 43 Drill Pipe Run 3240 Mud Wt. 9.2
Top Packer Depth 3235 Drill Collars Run NA Vis 50
Bottom Packer Depth 3240 Wt. Pipe Run NA WL 9.6
Total Depth 3283 Chlorides 8000 ppm System LCM 1.5

Blow Description IF, 45 - WEAK BUILDING BLOW BUILT TO 4 INCH'S
ISI, 30 - NBB
FF, 30 - WEAK BUILDING BLOW BUILT TO 1.5 INCH'S
FSI, 30 - NBB

Rec 1	Feet of CLEAN OIL	%gas	100 %oil	%water	%mud
Rec 61	Feet of WATER, MUD	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of WATER = 1,820 @ 55	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total BHT 95° Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1,610
(B) First Initial Flow 15
(C) First Final Flow 34
(D) Initial Shut-In 592
(E) Second Initial Flow 37
(F) Second Final Flow 43
(G) Final Shut-In 517
(H) Final Hydrostatic 1,582

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

☒ Test 1150
☐ Jars
☐ Safety Joint
☐ Circ Sub
☐ Hourly Standby
☒ Mileage 132 RTP 204.60
☐ Sampler
☐ Straddle
☐ Shale Packer
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
Sub Total 1354.60

T-On Location 1115
T-Started 1120
T-Open 1223
T-Pulled 1605
T-Out 1727
Comments

☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
Sub Total 0
Total 1354.60
MP/DST Disc't -

Approved By Our Representative [signature]

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TRILOBITE TESTING INC.
1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 51493

Well Name & No. JOHN SPANIER #6 Test No. 5 Date 3-15-13
Company H+B PETROLEUM CORP Elevation 1765 KB 1757 GL
Address P.O.BOX 277 ELLINWOOD
Co. Rep / Geo. JIM MUSGROVE Rig SOUTHWIND #6
Location: Sec. 12 Twp. 20 S Rge. 11 W Co. BARTON State KS

Interval Tested 3278-3288 Zone Tested ARBUCKLE
Anchor Length 10 Drill Pipe Run 3278 Mud Wt. 9.2
Top Packer Depth 3273 Drill Collars Run NA Vis 50
Bottom Packer Depth 3278 Wt. Pipe Run NA WL 9.6
Total Depth 3288 Chlorides 8000 ppm System LCM 1.5

Blow Description IF, 45 - FAIR BUILDING BLOW BUILT TO 5 INCH'S
ISI, 30 - NBB
FF, 45 - WEAK BUILDING BLOW BUILT TO 4 INCH'S
FSI, 45 - NBB

Rec 30	Feet of OIL WATER CUT MUD	%gas	10 %oil	40 %water	50 %mud
Rec 60	Feet of MUD/WATER	%gas	%oil	50 %water	50 %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 90 BHT 103 Gravity API RW 1.875 @ 62 °F Chlorides 3750 ppm

(A) Initial Hydrostatic	1,614	☒ Test 1150	T-On Location 2200
(B) First Initial Flow	23	☐ Jars	T-Started 2210
(C) First Final Flow	41	☐ Safety Joint	T-Open 2345
(D) Initial Shut-In	743	☐ Circ Sub	T-Pulled 0320
(E) Second Initial Flow	42	☐ Hourly Standby	T-Out 0500
(F) Second Final Flow	55	☒ Mileage 132 RTP 204.60	Comments
(G) Final Shut-In	730	☐ Sampler	
(H) Final Hydrostatic	1,565	☐ Straddle	☐ Ruined Shale Packer
		☐ Shale Packer	☐ Ruined Packer
Initial Open	45	☐ Extra Packer	☐ Extra Copies
Initial Shut-In	30	☐ Extra Recorder	Sub Total 0
Final Flow	45	☐ Day Standby	Total 1354.60
Final Shut-In	45	☐ Accessibility	MP/DST Disc't
		Sub Total 1354.60	

Approved By Our Representative Andrew Williams

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. 51494

Well Name & No. JOHN SPANIER #6 Test No. 6 Date 3-15-13
Company H&B PETROLEUM CORP Elevation 1765 KB 1757 GL
Address P.O. BOX 277 ELLINWOOD
Co. Rep / Geo. JIM MUSGROVE Rig SOUTHWIND #6
Location: Sec. 12 Twp. 20 S Rge. 11 W Co. BARTON State KS

Interval Tested 3292-3304 Zone Tested ARBUCKLE
Anchor Length 12 Drill Pipe Run 3276 Mud Wt. 9.2
Top Packer Depth 3287 Drill Collars Run NA Vis 48
Bottom Packer Depth 3292 Wt. Pipe Run NA WL 10.8
Total Depth 3304 Chlorides 10,000 ppm System LCM 2

Blow Description IF, 30-SBB, BOTTOM BUCKET 1 MIN
ISI, 30-VBB, BUILT TO 4 INCH
FF, 30-SBB, BOTTOM BUCKET 1 MIN
FSI, 30-

Rec 62	Feet of CLEAN OIL	%gas	100 %oil	%water	%mud
Rec 310	Feet of GASSY OIL MUD CUT WATER	10 %gas	20 %oil	60 %water	10 %mud
Rec 682	Feet of MUDDY OIL CUT WATER	%gas	20 %oil	50 %water	10 %mud
Rec 434	Feet of WATER	%gas	%oil	100 %water	%mud
Rec 186	Feet of GIP	100 %gas	%oil	%water	%mud

Rec Total 1674 BHT 103 Gravity _____ API RW 1.76 @ 23 °F Chlorides 10,000 ppm

(A) Initial Hydrostatic	1,646	☒ Test 1150	T-On Location	
(B) First Initial Flow	144	☐ Jars	T-Started	
(C) First Final Flow	501	☐ Safety Joint	T-Open	
(D) Initial Shut-In	760	☐ Circ Sub	T-Pulled	
(E) Second Initial Flow	516	☐ Hourly Standby	T-Out	
(F) Second Final Flow	656	☒ Mileage 132 RTP 204.60	Comments	
(G) Final Shut-In	813	☐ Sampler		
(H) Final Hydrostatic	1,605	☐ Straddle	☐ Ruined Shale Packer	
		☐ Shale Packer	☐ Ruined Packer	
Initial Open	30	☐ Extra Packer	☐ Extra Copies	
Initial Shut-In	30	☐ Extra Recorder	Sub Total 0	
Final Flow	30	☐ Day Standby	Total 1354.60	
Final Shut-In	30	☐ Accessibility	MP/DST Disc't —	
		Sub Total 1354.60		

Approved By _____ Our Representative [signature]

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