



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1271381  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

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

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

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

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

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

Total Vertical 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

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



1271381

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

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

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# 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. 1484

Date	8-6-15	Sec.	2	Twp.	14	Range	33	County	Logan	State	KS	On Location		Finish	8:00 PM
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Location *Oakley 14 S Quail Rd Tw 370 2 1/2 S*

Lease	<i>Beagley</i>	Well No.	<i>2-1</i>	Owner	<i>Ex S to Rig</i>
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Contractor *WW #6*  
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.

Type Job	<i>Surface</i>	Charge To	<i>Stratakan Exploration</i>
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Hole Size	<i>12 1/4</i>	T.D.	<i>240</i>	Street	
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Csg.	<i>8 5/8</i>	Depth	<i>259</i>	City		State	
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Tbg. Size \_\_\_\_\_ Depth \_\_\_\_\_  
Tool \_\_\_\_\_ Depth \_\_\_\_\_  
The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg.	<i>15'</i>	Shoe Joint		Cement Amount Ordered	<i>160 @ 20 3/CC 2 1/2 CC</i>
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Meas Line		Displace	<i>15 1/2 RL</i>
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EQUIPMENT				Common
Pumptrk	<i>18</i>	No. Cementer Helper	<i>Travis</i>	<i>130</i>
Bulktrk		No. Driver	<i>Travis</i>	<i>30</i>
Bulktrk	<i>9</i>	No. Driver	<i>Travis</i>	<i>3</i>
		No. Driver	<i>Travis</i>	<i>6</i>

**JOB SERVICES & REMARKS**  
Hulls \_\_\_\_\_  
Salt \_\_\_\_\_

Remarks: \_\_\_\_\_  
Rat Hole \_\_\_\_\_ Flowseal \_\_\_\_\_

Mouse Hole \_\_\_\_\_ Kol-Seal \_\_\_\_\_

Centralizers \_\_\_\_\_ Mud CLR 48 \_\_\_\_\_

Baskets \_\_\_\_\_ CFL-117 or CD110 CAF 38 \_\_\_\_\_

D/V or Port Collar \_\_\_\_\_ Sand \_\_\_\_\_

*8 5/8 on bottom. Est Circulation.*  
*Mix 160SK & Displace*  
*Cement - Circulated*

Handling *169*  
Mileage \_\_\_\_\_

**FLOAT EQUIPMENT**  
Guide Shoe \_\_\_\_\_

Centralizer \_\_\_\_\_

Baskets \_\_\_\_\_

AFU Inserts \_\_\_\_\_

Float Shoe \_\_\_\_\_

Latch Down \_\_\_\_\_

Pumptrk Charge *24 Surface*  
Mileage *24*

Tax \_\_\_\_\_  
Discount \_\_\_\_\_

Total Charge \_\_\_\_\_

X Signature *Mark Bigge*



# 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. 1607

Date	8-16-15	Sec.	2	Twp.	14	Range	33	County	Logan	State	Ks	On Location		Finish	7:00 PM
Lease								Well No.		Owner					
Beagley								2-1		E/Slide					
Contractor								To Quality Oilwell Cementing, Inc.							
W W #6								You are hereby requested to rent cementing equipment and furnish							
Type Job								Cement and helper to assist owner or contractor to do work as listed.							
Plug															
Hole Size				T.D.		Charge To									
12 1/4"				4594'		Stratakan Exploration									
Csg.				Depth		Street									
Tbg. Size				Depth		City				State					
4 1/2" D.P.				2339'											
Tool				Depth		The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.				Shoe Joint		Cement Amount Ordered									
						240 60/40 4% Gel 1/4# Flowsea									
Meas Line				Displace											
				1620/mud											
<b>EQUIPMENT</b>															
Pumptrk		No.		Cementer		Common									
17				Helper		144									
				Travis											
Bulktrk		No.		Driver		Poz. Mix									
15				Billy		96									
				Driver											
Bulktrk		No.		Driver		Gel.									
p.u.				Rick		9									
				Driver											
						Calcium									
<b>JOB SERVICES &amp; REMARKS</b>															
Remarks:												Hulls			
Rat Hole												Salt			
2339' - 50 SX												Flowseal			
Mouse Hole												60#			
1174' - 100 SX												Kol-Seal			
Centralizers												Mud CLR 48			
310' - 50 SX												CFL-117 or CD110 CAF 38			
Baskets												Sand			
40' - 10 SX												Handling			
D/V or Port Collar												249			
Rathole w/ 30 SX												Mileage			
Cement did Circulate												<b>FLOAT EQUIPMENT</b>			
												Guide Shoe			
												Centralizer			
												Baskets			
												AFU Inserts			
												Float Shoe			
												1 8 3/4 Dry Hole plug			
												Latch Down			
												Pumptrk Charge			
												24 plug			
												Mileage			
												24			
<b>Signature</b>												Tax			
												Discount			
												Total Charge			



## Structural Position Chart

BEAGLEY 2-1		D&A			
ELOG	FINAL				
Formation	SMOKY VALLEY "Y" OIL P&A (WABAUNSEE) R1	D HOBBLE #1 OIL P&A (LANSING "H") R2	BEAGLEY 2-1 DRILLING WELL	Position R1	Position R2
WABAUNSEE	3427 -552	3432 -559	3436 -557	-5	2+
HOWARD	3500 -625	3504 -631	3509 -630	-5	1+
TOPEKA	3550 -675	3560 -687	3564 -685	-10	2+
LECOMPTON	3694 -819	3694 -821	3699 -820	-1	1+
HEEBNER	3781 -906	3786 -913	3790 -911	-5	2+
TORONTO	3800 -925	3804 -931	3808 -928	-3	3+
LANSING "A"	3828 -953	3830 -957	3832 -953	EVEN	4+
MUNCIE CREEK	3990 -1115	3990 -1117	3996 -1117	-2	EVEN
STARK	4082 -1207	4082 -1209	4086 -1207	EVEN	2+
BKC	4144 -1269	4150 -1277	4162 -1283	-14	-6
MARMATON	4184 -1309	4192 -1319	4200 -1321	-12	-2
PAWNEE	4279 -1404	4283 -1410	4288 -1409	-5	-1
FT SCOTT	4340 -1465	4339 -1466	4346 -1467	-2	-1
LOWER CHEROKEE	4369 -1494	4367 -1494	4371 -1492	2+	2+
JOHNSON ZONE	4415 -1540	4414 -1541	4415 -1536	4+	5+
MORROW SS	4496 -1621		4476 -1597	38+	
MISSISSIPPIAN	4510 -1635	4509 -1635	4488 -1609	26+	26+





## DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.  
Plainville, KS 67663

ATTN: Chris Bean

### **Beagley #2-1**

#### **2-14s-33w Logan,KS**

Start Date: 2015.08.09 @ 22:23:00

End Date: 2015.08.10 @ 05:31:30

Job Ticket #: 61738                      DST #: 1

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

Printed: 2015.08.17 @ 13:06:16





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stratakan Exploration LLC

**2-14s-33w Logan, KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61738

**DST#: 1**

ATTN: Chris Bean

Test Start: 2015.08.09 @ 22:23:00

## GENERAL INFORMATION:

Formation: **Howard - Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:19:00

Time Test Ended: 05:31:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 79

**Interval: 3545.00 ft (KB) To 3579.00 ft (KB) (TVD)**

Reference Elevations: 2879.00 ft (KB)

Total Depth: 3579.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8166 Outside**

Press@RunDepth: 92.70 psig @ 3546.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.09

End Date:

2015.08.10

Last Calib.: 2015.08.10

Start Time: 22:23:05

End Time:

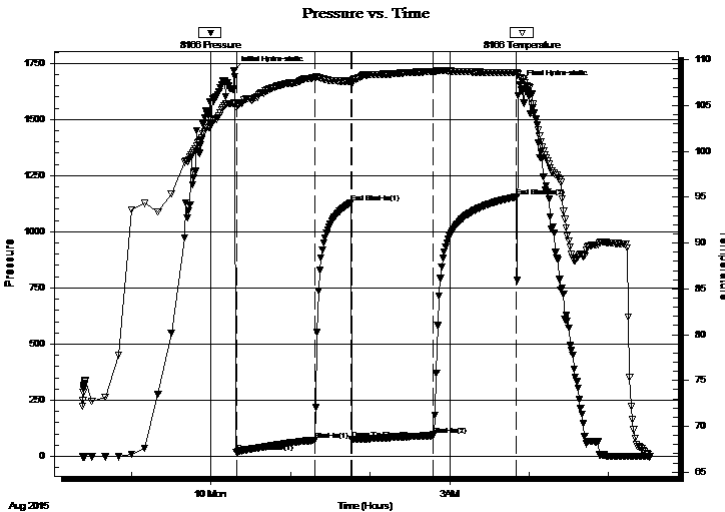
05:31:29

Time On Btm: 2015.08.10 @ 00:17:30

Time Off Btm: 2015.08.10 @ 03:53:00

**TEST COMMENT:** IF: 1/4" blow built to 3" in 60 mins.  
IS: No return.  
FF: Surface blow built to 2" in 60 min.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.96	105.26	Initial Hydro-static
2	18.02	104.92	Open To Flow (1)
61	70.78	108.05	Shut-In(1)
88	1129.72	107.66	End Shut-In(1)
89	75.23	107.26	Open To Flow (2)
150	92.70	108.71	Shut-In(2)
213	1156.26	108.58	End Shut-In(2)
216	1655.34	108.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	mcw 90%w 10%m	0.30
62.00	mcw oil spots 90%w 10%m	0.31

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stratakan Exploration LLC

**2-14s-33w Logan, KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61738

**DST#: 1**

ATTN: Chris Bean

Test Start: 2015.08.09 @ 22:23:00

## Tool Information

Drill Pipe:	Length: 3401.00 ft	Diameter: 3.80 inches	Volume: 47.71 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	35000.00 lb
			<u>Total Volume: 48.31 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3545.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	62.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Stubb	1.00			3518.00	
Shut In Tool	5.00			3523.00	
Hydraulic tool	5.00			3528.00	
Jars	5.00			3533.00	
Safety Joint	2.00			3535.00	
Change Over Sub	1.00			3536.00	
Packer - Shale	5.00			3541.00	
Packer	4.00			3545.00	28.00 Bottom Of Top Packer
Stubb	1.00			3546.00	
Recorder	0.00	8373	Inside	3546.00	
Recorder	0.00	8166	Outside	3546.00	
Perforations	28.00			3574.00	
Bullnose	5.00			3579.00	34.00 Anchor Tool

**Total Tool Length: 62.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stratakan Exploration LLC

**2-14s-33w Logan,KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61738

**DST#: 1**

ATTN: Chris Bean

Test Start: 2015.08.09 @ 22:23:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

26000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	mcw 90%w 10%m	0.305
62.00	mcw oil spots 90%w 10%m	0.314

Total Length: 124.00 ft      Total Volume: 0.619 bbl

Num Fluid Samples: 0

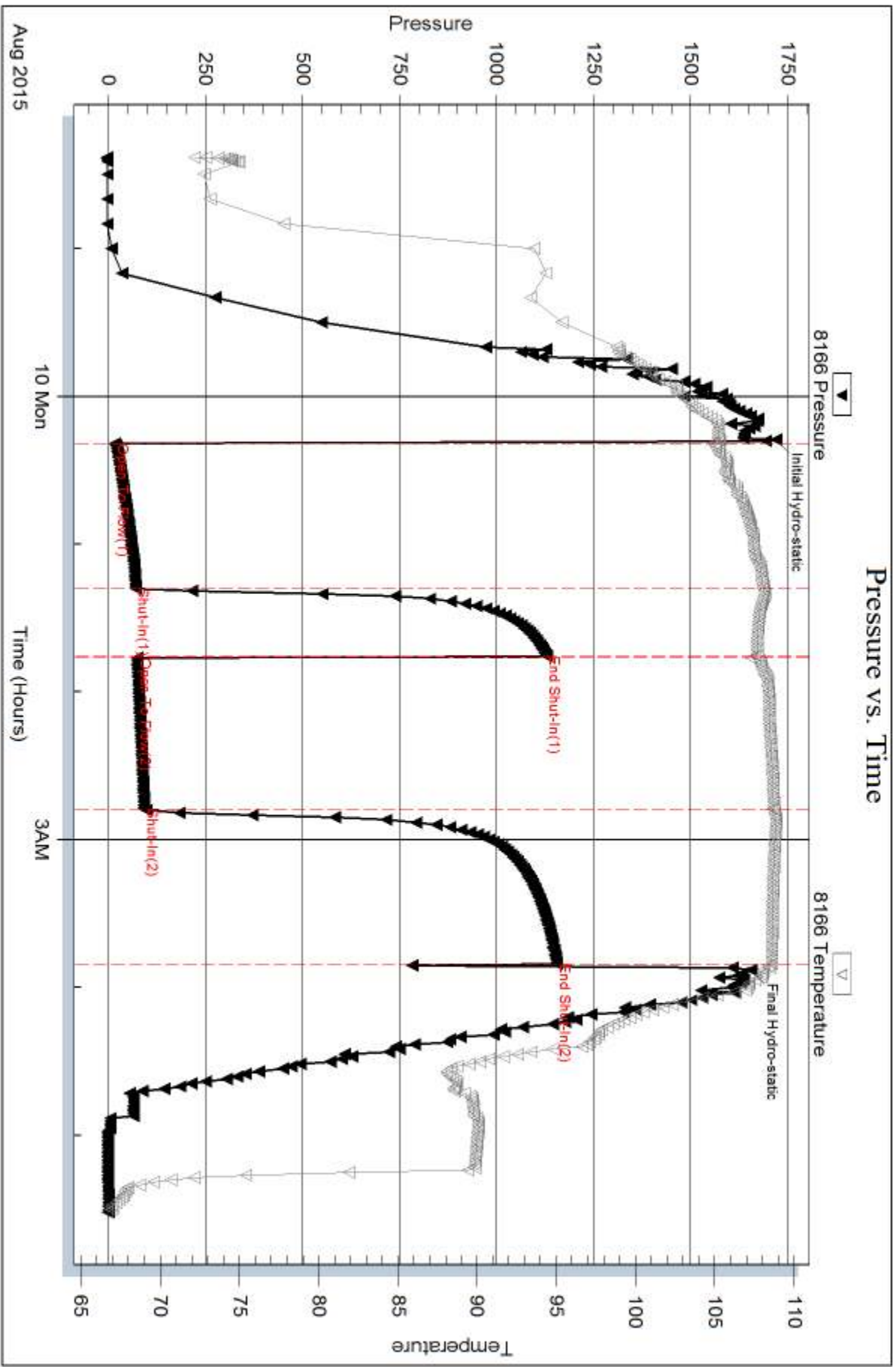
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .26@73=26000





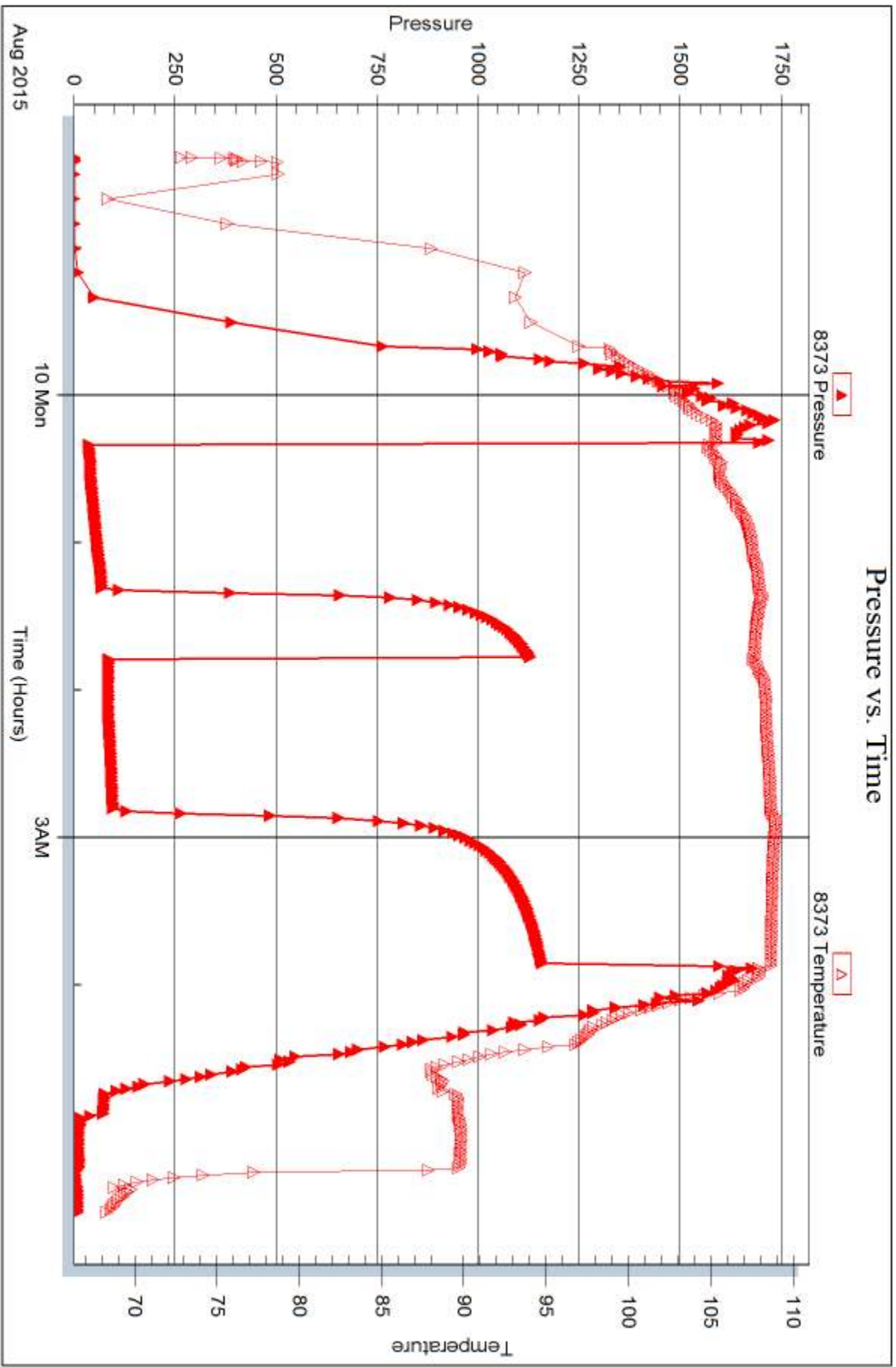
Serial #: 8373

Inside

Stratakan Exploration LLC

Beagley #2-1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.  
Plainville, KS 67663

ATTN: Chris Bean

### **Beagley #2-1**

#### **2-14s-33w Logan,KS**

Start Date: 2015.08.11 @ 05:55:10

End Date: 2015.08.11 @ 13:12:40

Job Ticket #: 61739                      DST #: 2

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

Printed: 2015.08.17 @ 13:05:54

Stratakan Exploration LLC  
2-14s-33w Logan,KS  
Beagley #2-1  
DST # 2  
LKC D-E  
2015.08.11





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Stratakan Exploration LLC

**2-14s-33w Logan, KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61739

**DST#: 2**

ATTN: Chris Bean

Test Start: 2015.08.11 @ 05:55:10

## GENERAL INFORMATION:

Formation: **LKC D-E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:44:40

Time Test Ended: 13:12:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 3885.00 ft (KB) To 3924.00 ft (KB) (TVD)**

Reference Elevations: 2879.00 ft (KB)

Total Depth: 3924.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8166 Outside**

Press@RunDepth: 224.77 psig @ 3886.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.11

End Date:

2015.08.11

Last Calib.: 2015.08.11

Start Time: 05:55:15

End Time:

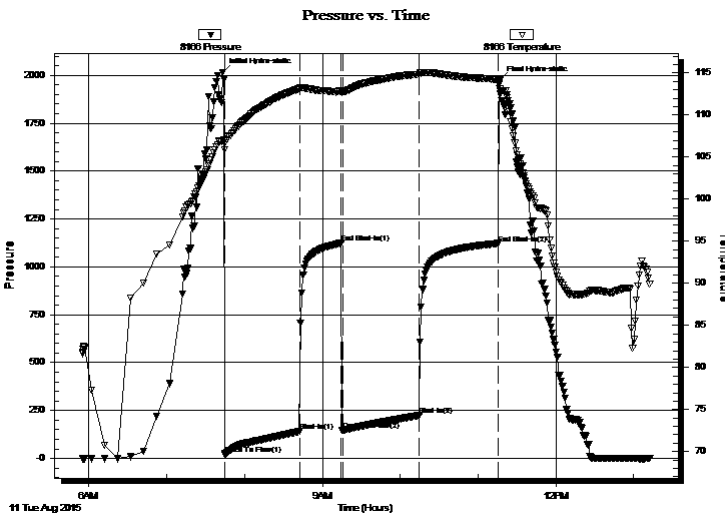
13:12:39

Time On Btm: 2015.08.11 @ 07:43:10

Time Off Btm: 2015.08.11 @ 11:16:40

**TEST COMMENT:** IF: 1/4" blow BOB in 28 mins.  
IS: No return.  
FF: Surface blow BOB in 43 mins.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2015.39	106.97	Initial Hydro-static
2	21.46	105.85	Open To Flow (1)
59	140.24	113.12	Shut-In(1)
92	1123.83	112.90	End Shut-In(1)
93	147.16	112.77	Open To Flow (2)
152	224.77	114.84	Shut-In(2)
212	1121.77	114.24	End Shut-In(2)
214	1975.31	113.09	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw 95%w 5%m	0.62
186.00	mcw 70%w 30%m	2.61
144.00	w cm 10%w 90%m	2.02

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stratakan Exploration LLC

**2-14s-33w Logan,KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61739

**DST#: 2**

ATTN: Chris Bean

Test Start: 2015.08.11 @ 05:55:10

## Tool Information

Drill Pipe:	Length: 3744.00 ft	Diameter: 3.80 inches	Volume: 52.52 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 38000.00 lb
			<u>Total Volume: 53.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3885.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Stubb	1.00			3858.00	
Shut In Tool	5.00			3863.00	
Hydraulic tool	5.00			3868.00	
Jars	5.00			3873.00	
Safety Joint	2.00			3875.00	
Change Over Sub	1.00			3876.00	
Packer - Shale	5.00			3881.00	
Packer	4.00			3885.00	28.00 Bottom Of Top Packer
Stubb	1.00			3886.00	
Recorder	0.00	8373	Inside	3886.00	
Recorder	0.00	8166	Outside	3886.00	
Perforations	33.00			3919.00	
Bullnose	5.00			3924.00	39.00 Anchor Tool

**Total Tool Length: 67.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stratakan Exploration LLC

**2-14s-33w Logan,KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61739

**DST#: 2**

ATTN: Chris Bean

Test Start: 2015.08.11 @ 05:55:10

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

36000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	mcw 95%w 5%m	0.619
186.00	mcw 70%w 30%m	2.609
144.00	w cm 10%w 90%m	2.020

Total Length: 454.00 ft      Total Volume: 5.248 bbl

Num Fluid Samples: 0

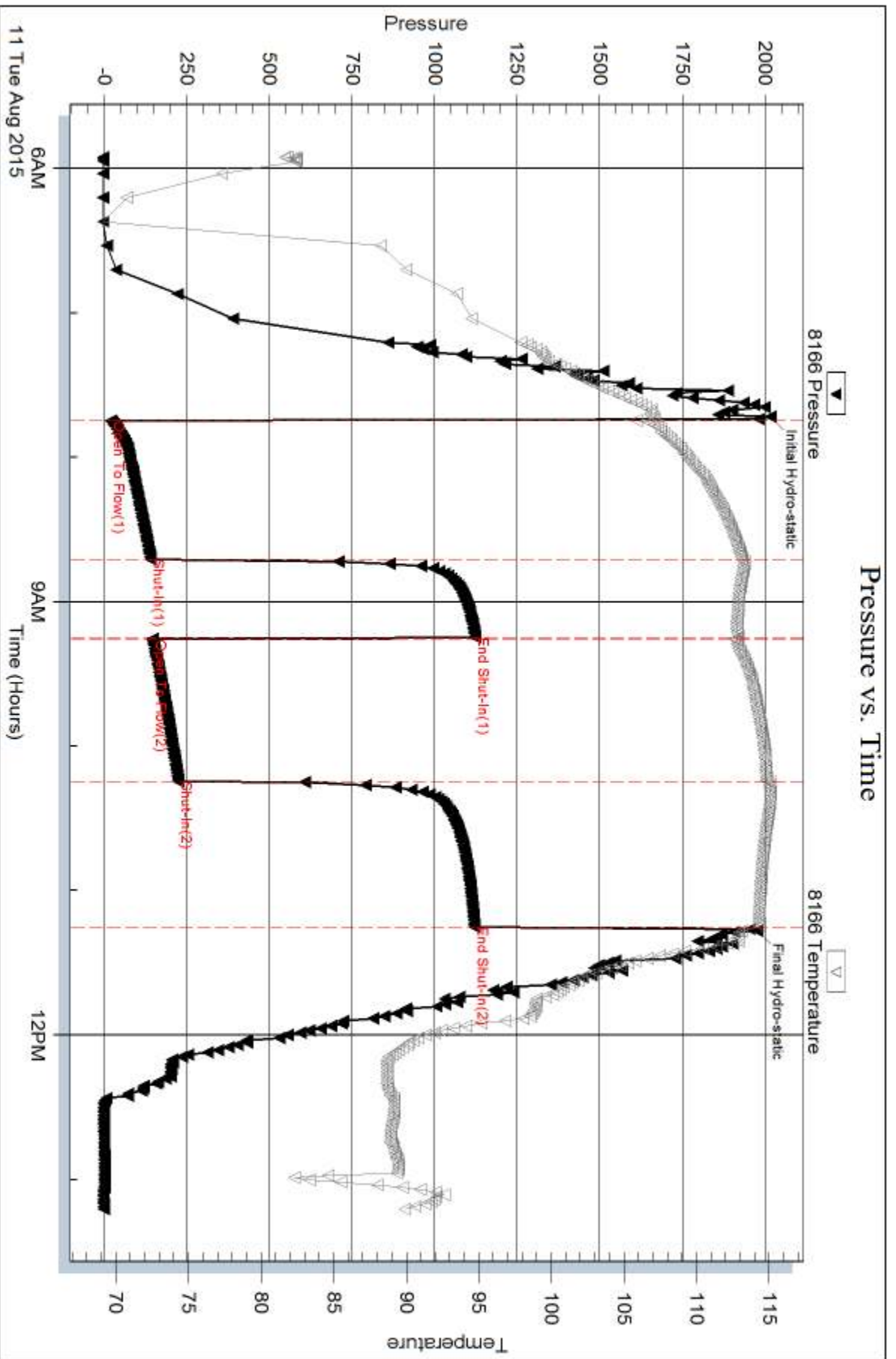
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .16@86=36000



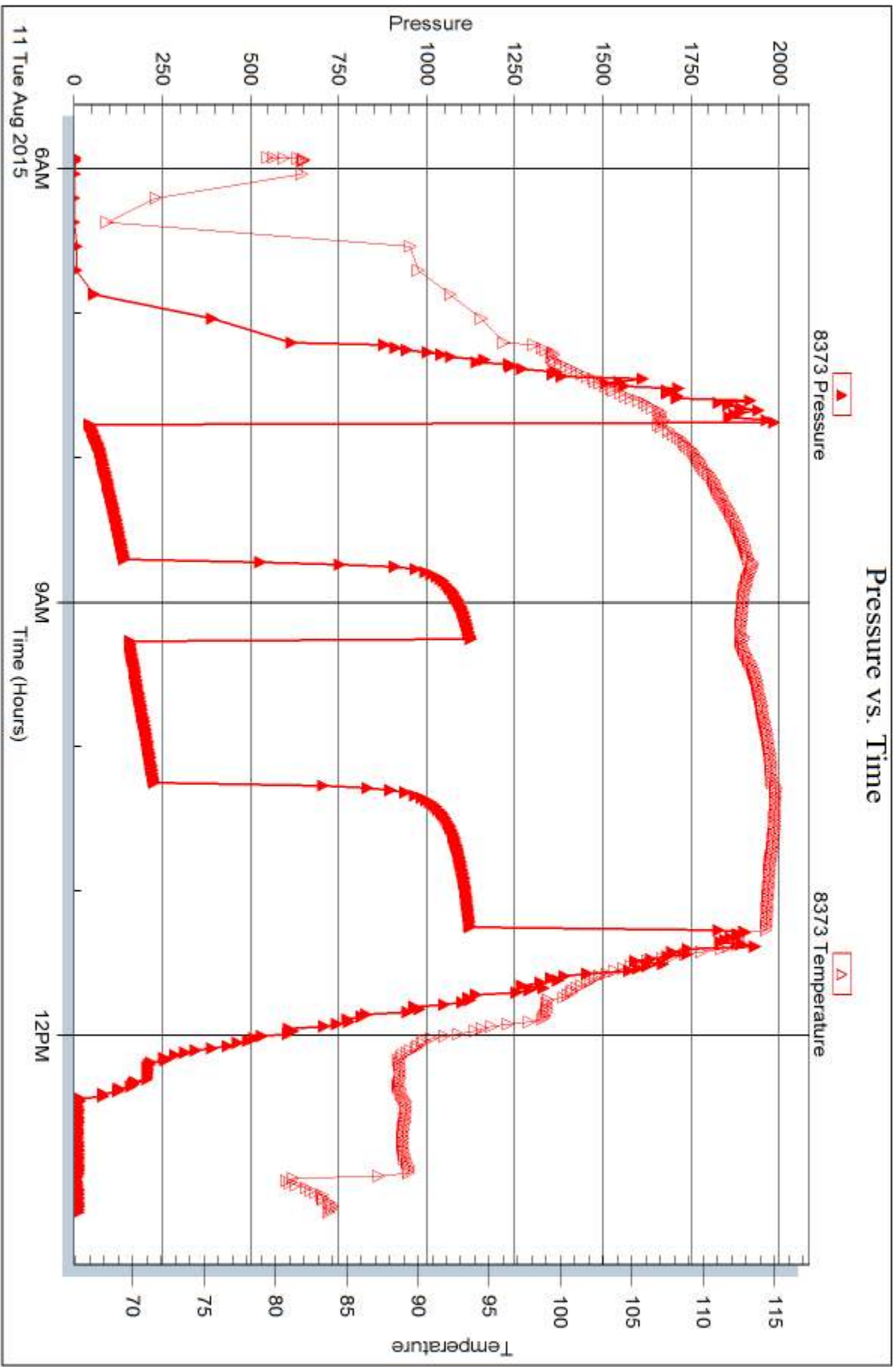
Serial #: 8373

Inside

Stratakan Exploration LLC

Beagley #2-1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 61739

Printed: 2015.08.17 @ 13:05:55



## DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.  
Plainville, KS 67663

ATTN: Chris Bean

### **Beagley #2-1**

#### **2-14s-33w Logan,KS**

Start Date: 2015.08.12 @ 01:15:48

End Date: 2015.08.12 @ 08:30:18

Job Ticket #: 61740                      DST #: 3

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

Printed: 2015.08.17 @ 13:05:28

Stratakan Exploration LLC  
2-14s-33w Logan,KS  
Beagley #2-1  
DST # 3  
LKC H  
2015.08.12





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stratakan Exploration LLC

**2-14s-33w Logan, KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61740

**DST#: 3**

ATTN: Chris Bean

Test Start: 2015.08.12 @ 01:15:48

## GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:24:18

Time Test Ended: 08:30:18

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 3994.00 ft (KB) To 4025.00 ft (KB) (TVD)**

Reference Elevations: 2879.00 ft (KB)

Total Depth: 4025.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8166 Outside**

Press@RunDepth: 70.50 psig @ 3995.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.12

End Date:

2015.08.12

Last Calib.: 2015.08.12

Start Time: 01:15:53

End Time:

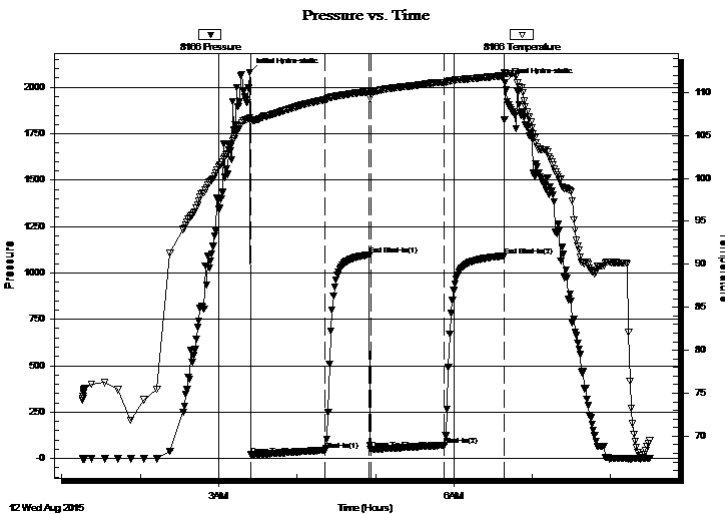
08:30:17

Time On Btm: 2015.08.12 @ 03:23:48

Time Off Btm: 2015.08.12 @ 06:39:18

**TEST COMMENT:** IF: 1/4' blow built to 2" in 60 min.  
IS: No return.  
FF: Surface blow built to 1/2" in 60 min.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2080.78	107.05	Initial Hydro-static
1	19.09	106.66	Open To Flow (1)
58	44.53	109.16	Shut-In(1)
92	1098.67	110.11	End Shut-In(1)
93	49.95	109.89	Open To Flow (2)
149	70.50	111.16	Shut-In(2)
195	1092.04	111.96	End Shut-In(2)
196	2025.62	112.31	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	w cm 30%w 70%m	0.62
1.00	free oil 100%o	0.01

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stratakan Exploration LLC

**2-14s-33w Logan, KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61740

**DST#: 3**

ATTN: Chris Bean

Test Start: 2015.08.12 @ 01:15:48

## Tool Information

Drill Pipe:	Length: 3870.00 ft	Diameter: 3.80 inches	Volume: 54.29 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 54.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3994.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 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
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			3967.00	
Shut In Tool	5.00			3972.00	
Hydraulic tool	5.00			3977.00	
Jars	5.00			3982.00	
Safety Joint	2.00			3984.00	
Change Over Sub	1.00			3985.00	
Packer - Shale	5.00			3990.00	
Packer	4.00			3994.00	28.00 Bottom Of Top Packer
Stubb	1.00			3995.00	
Recorder	0.00	8373	Inside	3995.00	
Recorder	0.00	8166	Outside	3995.00	
Perforations	25.00			4020.00	
Bullnose	5.00			4025.00	31.00 Anchor Tool

**Total Tool Length: 59.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Stratakan Exploration LLC

**2-14s-33w Logan, KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61740

**DST#: 3**

ATTN: Chris Bean

Test Start: 2015.08.12 @ 01:15:48

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

23000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.56 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	w cm 30%w 70%m	0.619
1.00	free oil 100%o	0.014

Total Length: 125.00 ft      Total Volume: 0.633 bbl

Num Fluid Samples: 0

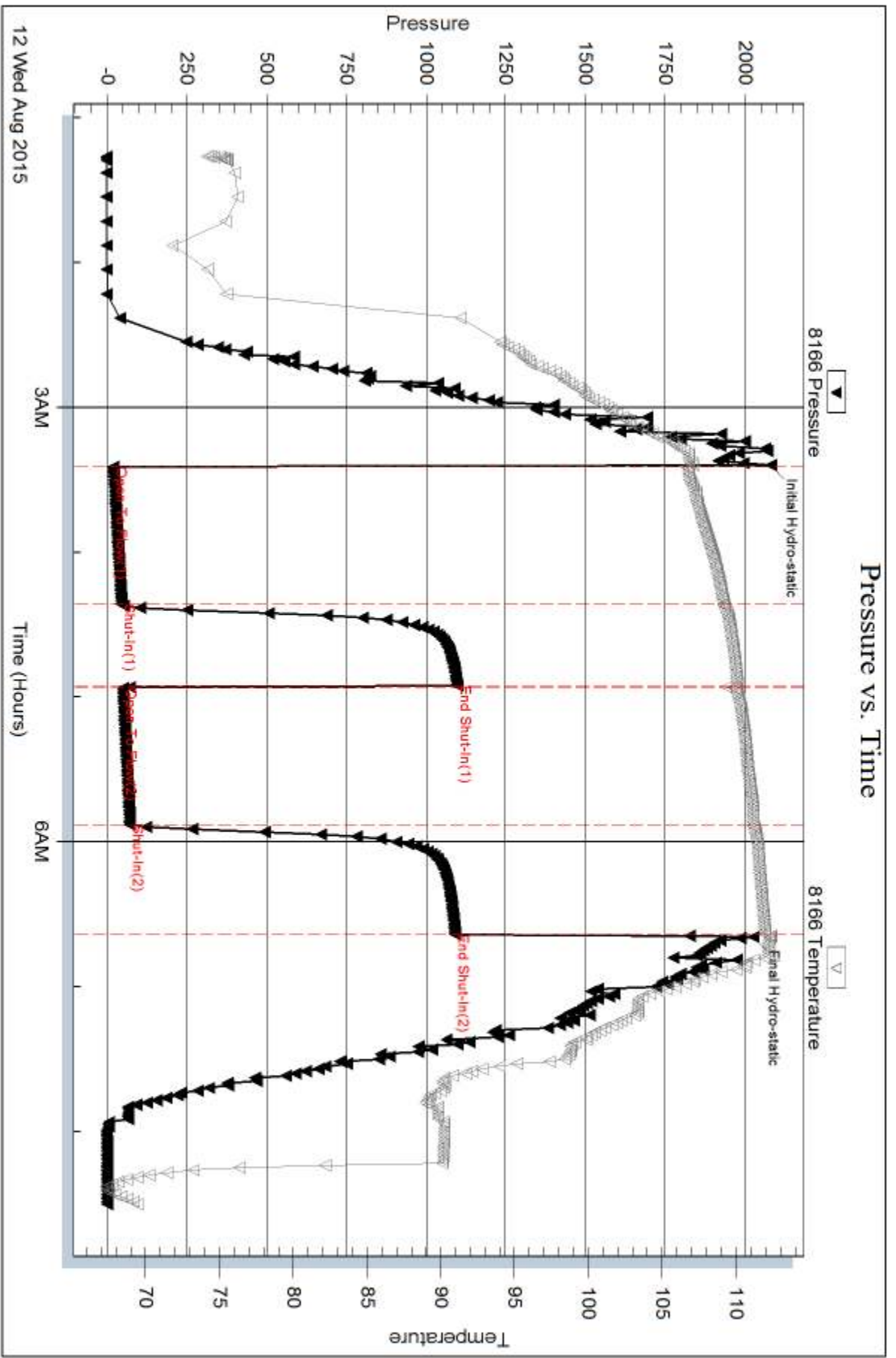
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .32@68=23000





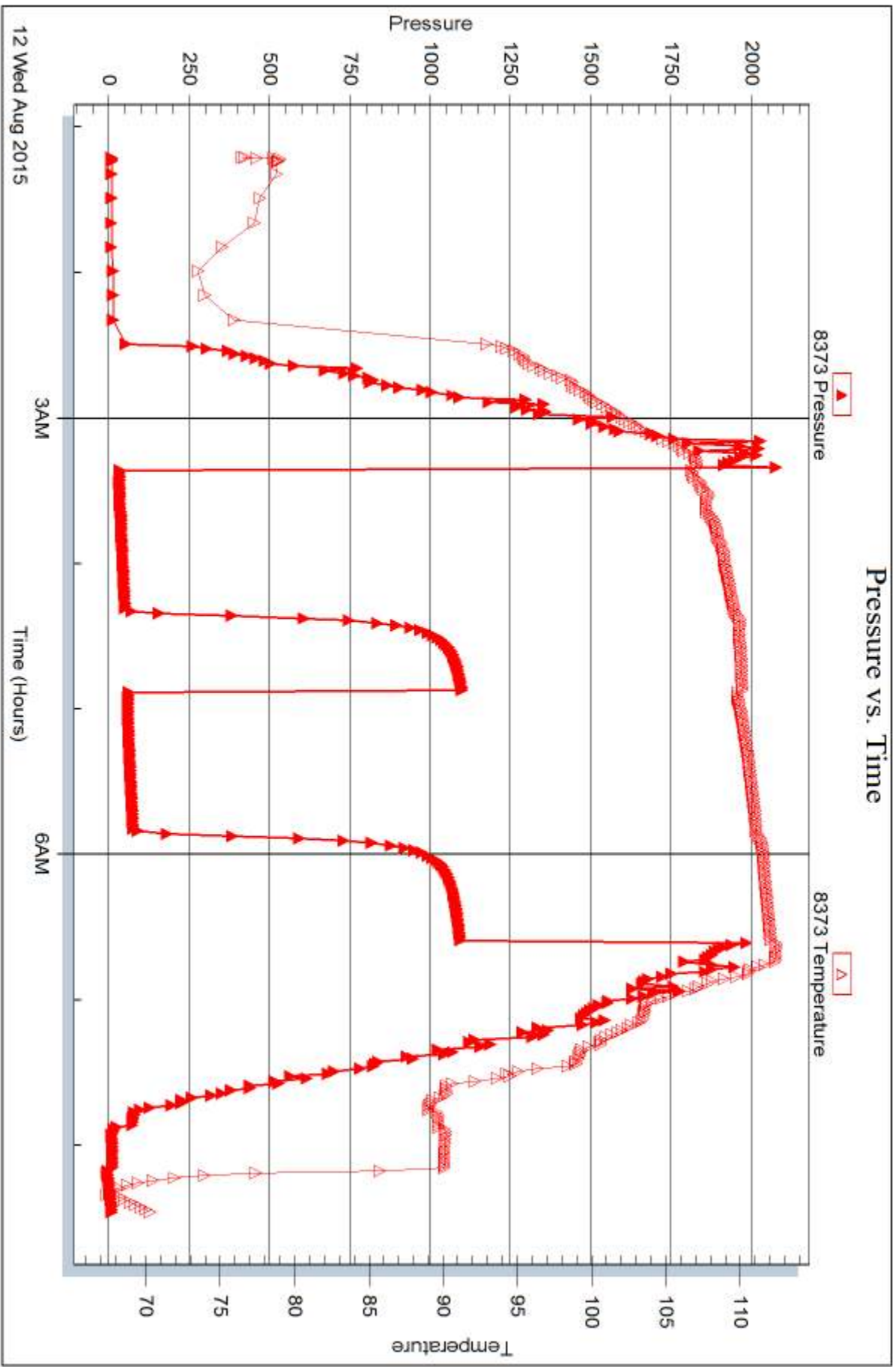
Serial #: 8373

Inside

Stratakan Exploration LLC

Beagley #2-1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 61740

Printed: 2015.08.17 @ 13:05:30



## DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.  
Plainville, KS 67663

ATTN: Chris Bean

### **Beagley #2-1**

#### **2-14s-33w Logan,KS**

Start Date: 2015.08.12 @ 18:51:51

End Date: 2015.08.13 @ 00:48:51

Job Ticket #: 61741                      DST #: 4

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

Printed: 2015.08.17 @ 13:03:56



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stratakan Exploration LLC

**2-14s-33w Logan, KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61741

**DST#: 4**

ATTN: Chris Bean

Test Start: 2015.08.12 @ 18:51:51

## GENERAL INFORMATION:

Formation: **LKC I-K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:55:21

Time Test Ended: 00:48:51

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 4024.00 ft (KB) To 4104.00 ft (KB) (TVD)**

Reference Elevations: 2879.00 ft (KB)

Total Depth: 4104.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8166 Outside**

Press@RunDepth: 43.20 psig @ 4025.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.12

End Date:

2015.08.13

Last Calib.: 2015.08.13

Start Time: 18:51:56

End Time:

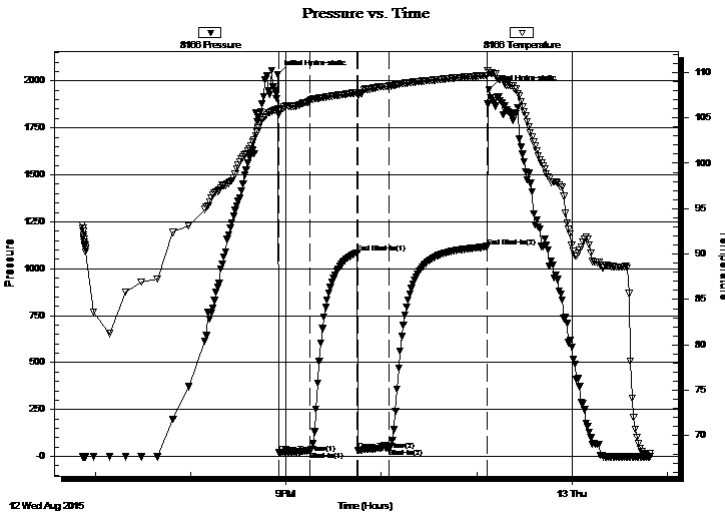
00:48:50

Time On Btm: 2015.08.12 @ 20:54:51

Time Off Btm: 2015.08.12 @ 23:07:51

**TEST COMMENT:** IF: 1/4" blow died in 8 min.  
IS: No return.  
FF: No blow. Flushed tool no blow.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2032.35	105.97	Initial Hydro-static
1	19.03	105.36	Open To Flow (1)
20	28.27	106.92	Shut-In(1)
50	1086.04	107.78	End Shut-In(1)
51	31.87	107.49	Open To Flow (2)
70	43.20	108.49	Shut-In(2)
132	1117.96	109.70	End Shut-In(2)
133	1952.93	109.97	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	mud oil spots 100%m	0.10

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stratakan Exploration LLC

**2-14s-33w Logan,KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61741

**DST#: 4**

ATTN: Chris Bean

Test Start: 2015.08.12 @ 18:51:51

## Tool Information

Drill Pipe:	Length: 3903.00 ft	Diameter: 3.80 inches	Volume: 54.75 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 55.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	4024.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	80.00 ft			
Tool Length:	108.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Stubb	1.00			3997.00	
Shut In Tool	5.00			4002.00	
Hydraulic tool	5.00			4007.00	
Jars	5.00			4012.00	
Safety Joint	2.00			4014.00	
Change Over Sub	1.00			4015.00	
Packer - Shale	5.00			4020.00	
Packer	4.00			4024.00	28.00 Bottom Of Top Packer
Stubb	1.00			4025.00	
Recorder	0.00	8373	Inside	4025.00	
Recorder	0.00	8166	Outside	4025.00	
Perforations	9.00			4034.00	
Change Over Sub	1.00			4035.00	
Drill Pipe	63.00			4098.00	
Change Over Sub	1.00			4099.00	
Bullnose	5.00			4104.00	80.00 Anchor Tool
<b>Total Tool Length:</b>	<b>108.00</b>				





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stratakan Exploration LLC

**2-14s-33w Logan,KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61741

**DST#: 4**

ATTN: Chris Bean

Test Start: 2015.08.12 @ 18:51:51

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	mud oil spots 100%m	0.098

Total Length: 20.00 ft      Total Volume: 0.098 bbl

Num Fluid Samples: 0

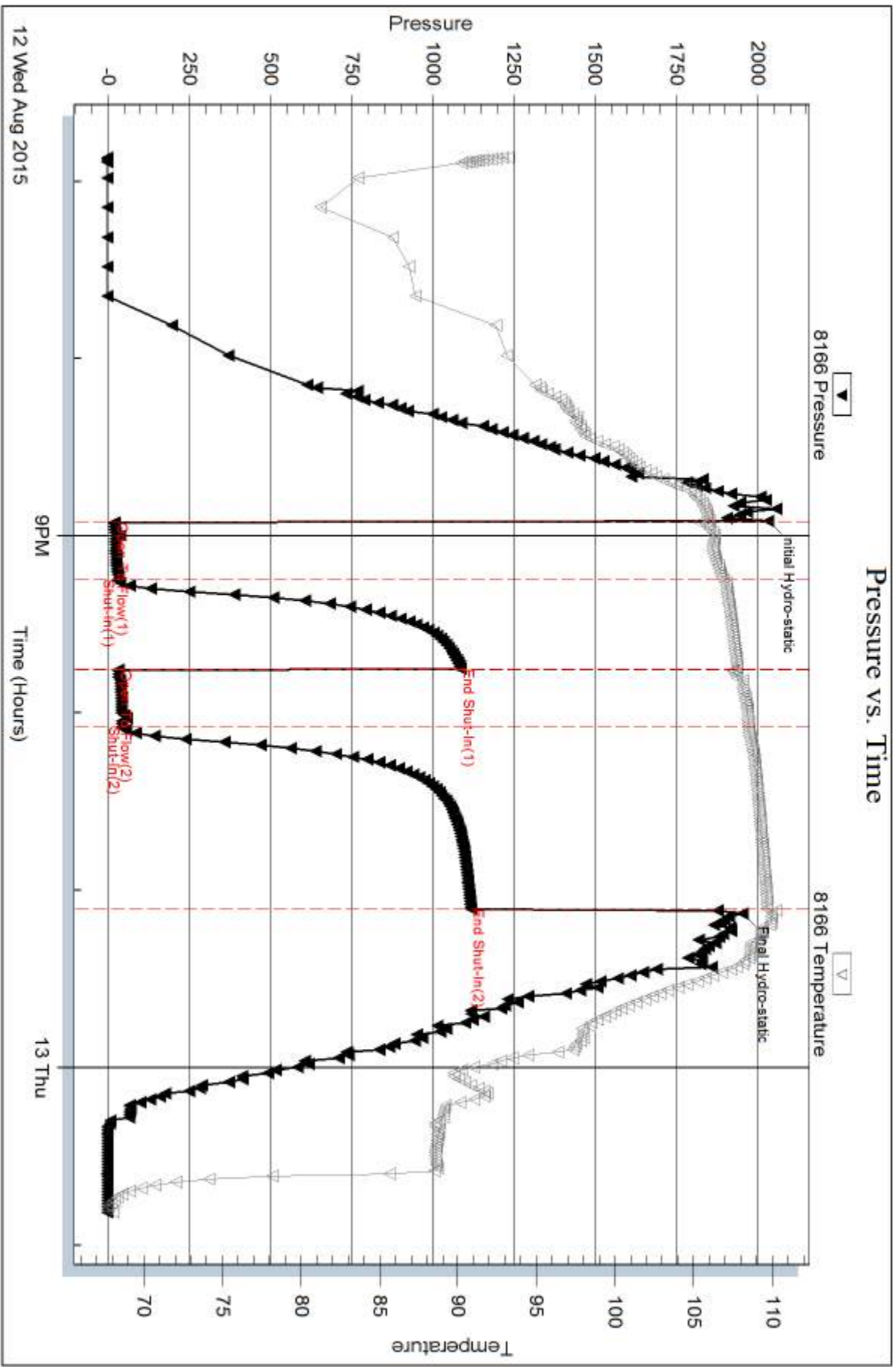
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



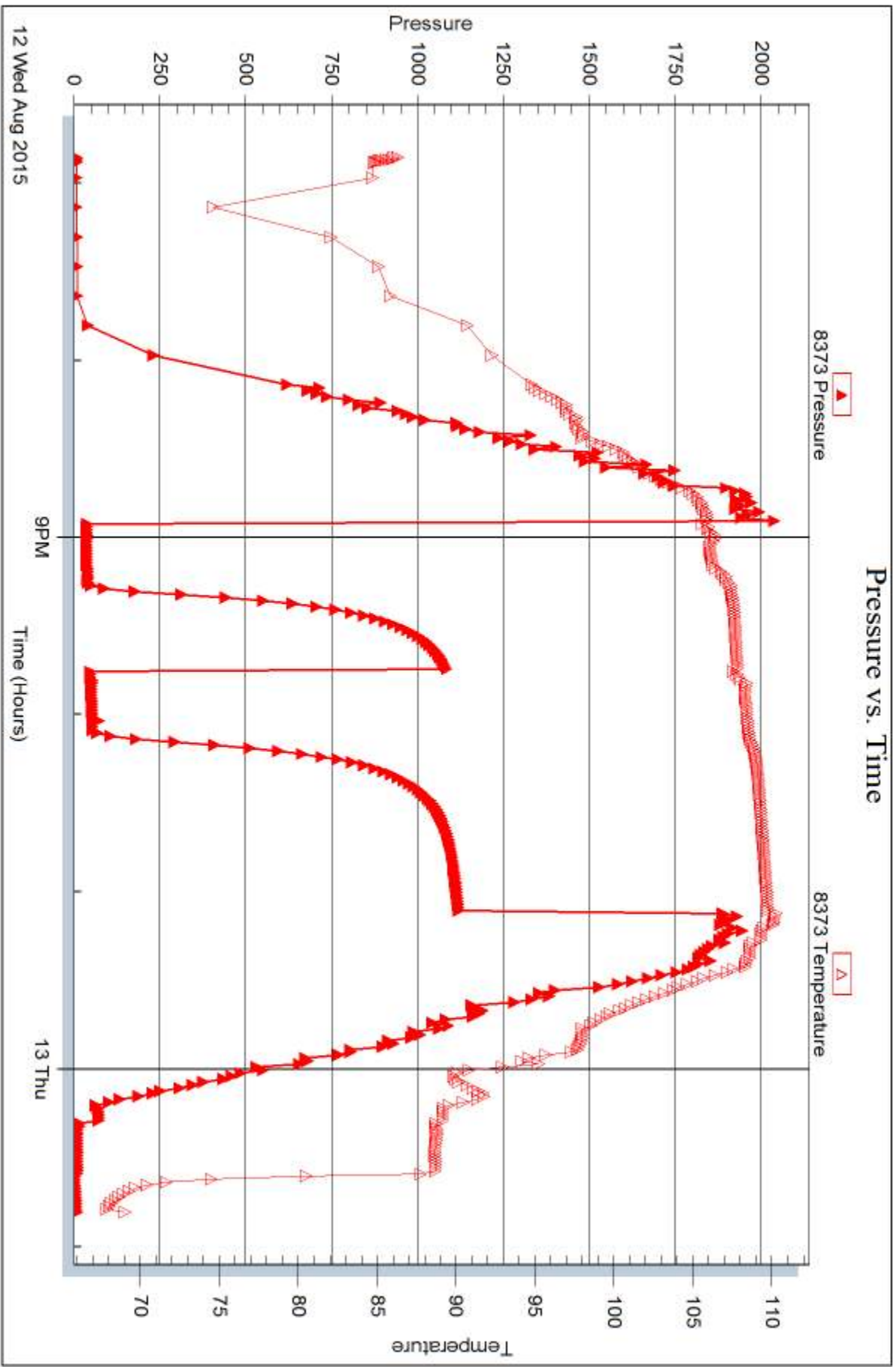
Serial #: 8373

Inside

Stratakan Exploration LLC

Beagley #2-1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 61741

Printed: 2015.08.17 @ 13:03:57



## DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.  
Plainville, KS 67663

ATTN: Chris Bean

### **Beagley #2-1**

#### **2-14s-33w Logan,KS**

Start Date: 2015.08.13 @ 12:13:13

End Date: 2015.08.13 @ 17:03:13

Job Ticket #: 61742                      DST #: 5

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

Printed: 2015.08.17 @ 13:03:38



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Stratakan Exploration LLC

**2-14s-33w Logan,KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61742

**DST#: 5**

ATTN: Chris Bean

Test Start: 2015.08.13 @ 12:13:13

## GENERAL INFORMATION:

Formation: **Pleasanton- Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:55:13

Time Test Ended: 17:03:13

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 4148.00 ft (KB) To 4205.00 ft (KB) (TVD)**

Reference Elevations: 2879.00 ft (KB)

Total Depth: 4205.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8166 Outside**

Press@RunDepth: 26.79 psig @ 4149.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.13

End Date: 2015.08.13

Last Calib.: 2015.08.13

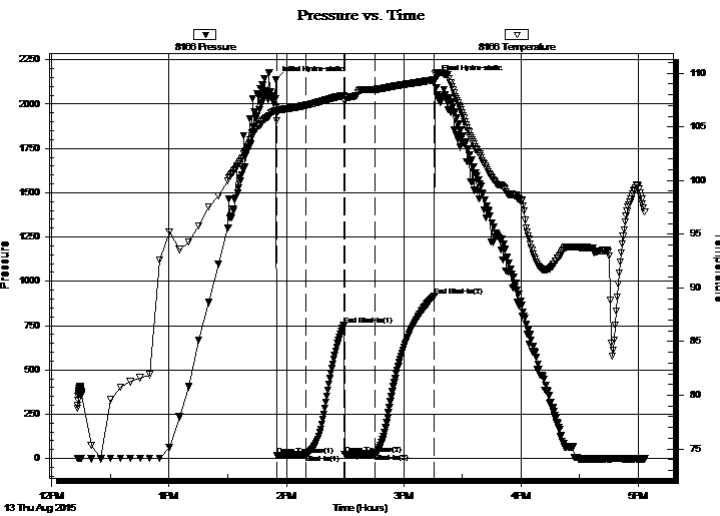
Start Time: 12:13:18

End Time: 17:03:12

Time On Btm: 2015.08.13 @ 13:54:43

Time Off Btm: 2015.08.13 @ 15:16:13

**TEST COMMENT:** IF: Surface blow died in 5 mins.  
IS: No return.  
FF: No blow. Flushed tool no blow.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2135.51	106.74	Initial Hydro-static
1	19.47	105.61	Open To Flow (1)
15	21.34	107.01	Shut-In(1)
35	751.61	107.93	End Shut-In(1)
35	22.70	107.40	Open To Flow (2)
51	26.79	108.49	Shut-In(2)
81	917.78	109.39	End Shut-In(2)
82	2140.08	109.93	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100%m	0.05

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stratakan Exploration LLC

**2-14s-33w Logan,KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61742

**DST#: 5**

ATTN: Chris Bean

Test Start: 2015.08.13 @ 12:13:13

## Tool Information

Drill Pipe:	Length: 4027.00 ft	Diameter: 3.80 inches	Volume: 56.49 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	45000.00 lb
			<u>Total Volume: 57.09 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	4148.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	57.00 ft				
Tool Length:	85.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Stubb	1.00			4121.00	
Shut In Tool	5.00			4126.00	
Hydraulic tool	5.00			4131.00	
Jars	5.00			4136.00	
Safety Joint	2.00			4138.00	
Change Over Sub	1.00			4139.00	
Packer - Shale	5.00			4144.00	
Packer	4.00			4148.00	28.00 Bottom Of Top Packer
Stubb	1.00			4149.00	
Recorder	0.00	8373	Inside	4149.00	
Recorder	0.00	8166	Outside	4149.00	
Perforations	18.00			4167.00	
Change Over Sub	1.00			4168.00	
Drill Pipe	31.00			4199.00	
Change Over Sub	1.00			4200.00	
Bullnose	5.00			4205.00	57.00 Anchor Tool
<b>Total Tool Length:</b>	<b>85.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Stratakan Exploration LLC

**2-14s-33w Logan, KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61742

**DST#: 5**

ATTN: Chris Bean

Test Start: 2015.08.13 @ 12:13:13

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100%m	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

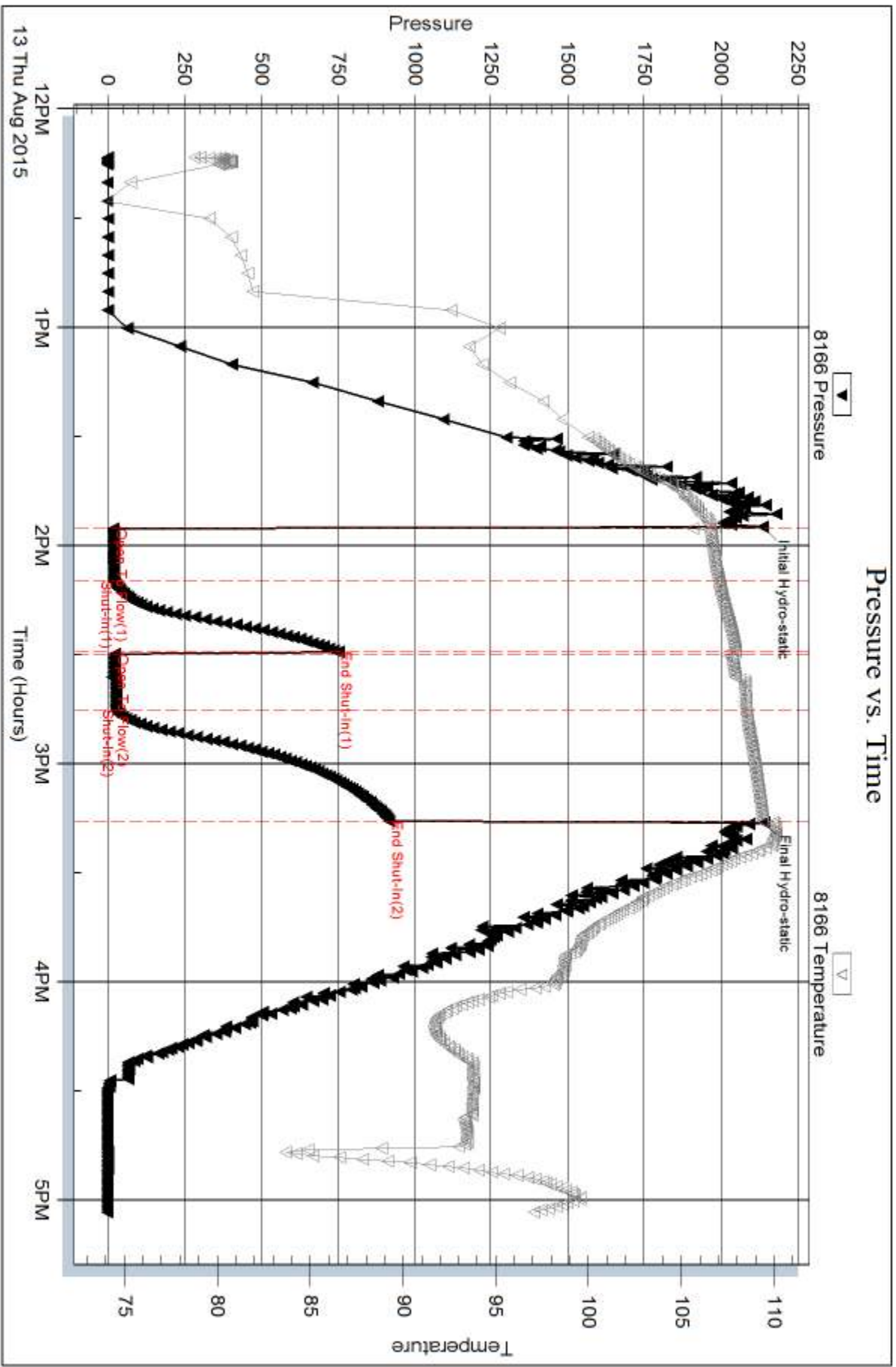
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



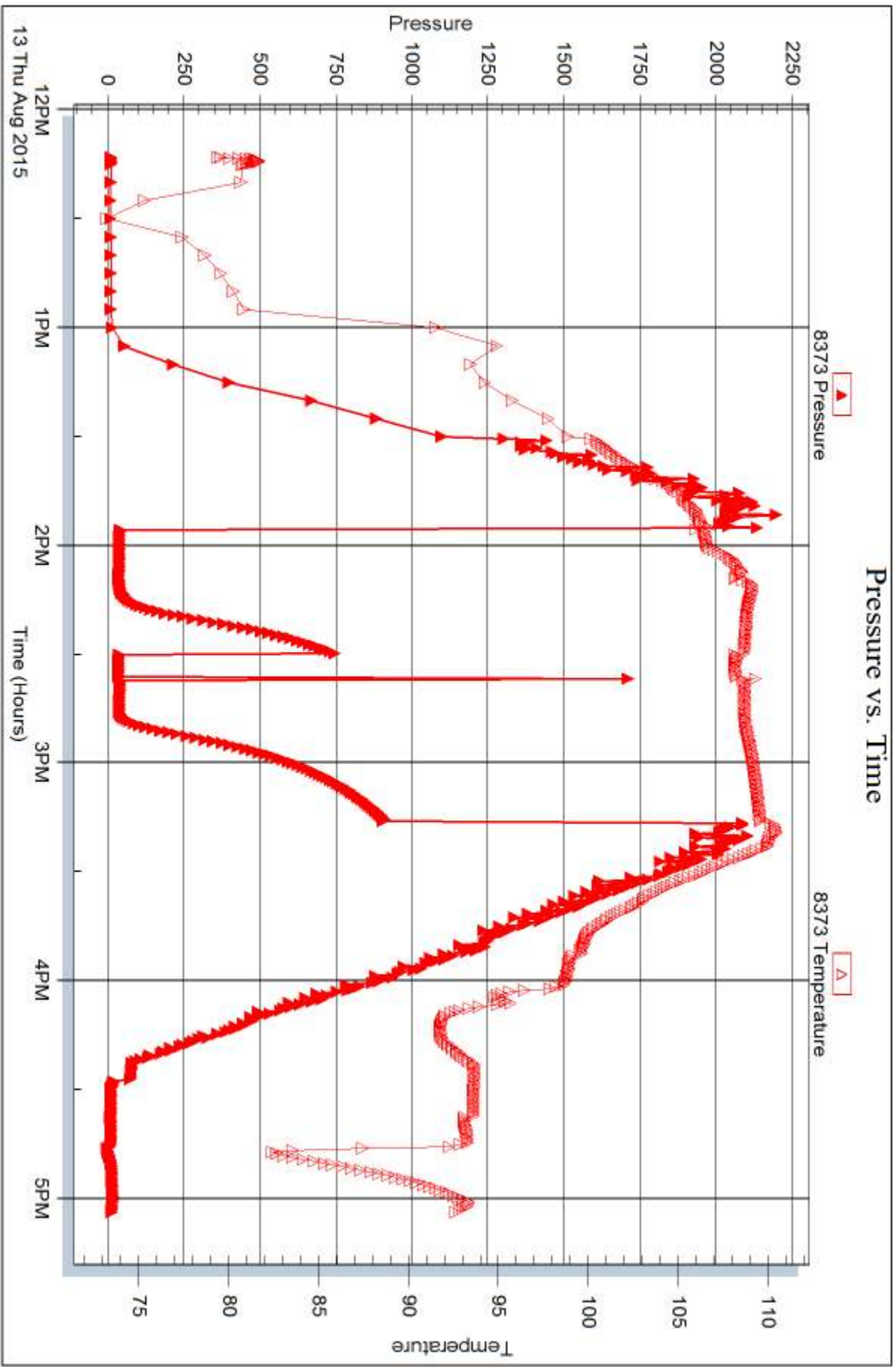
Serial #: 8373

Inside

Stratakan Exploration LLC

Beagley #2-1

DST Test Number: 5





## DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.  
Plainville, KS 67663

ATTN: Chris Bean

### **Beagley #2-1**

#### **2-14s-33w Logan,KS**

Start Date: 2015.08.14 @ 19:47:34

End Date: 2015.08.15 @ 01:49:04

Job Ticket #: 61743                      DST #: 6

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

Printed: 2015.08.17 @ 13:03:15



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Stratakan Exploration LLC

**2-14s-33w Logan, KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61743

**DST#: 6**

ATTN: Chris Bean

Test Start: 2015.08.14 @ 19:47:34

## GENERAL INFORMATION:

Formation: **Johnson/Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:55:04

Time Test Ended: 01:49:04

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 4400.00 ft (KB) To 4490.00 ft (KB) (TVD)**

Reference Elevations: 2879.00 ft (KB)

Total Depth: 4490.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8373**

**Inside**

Press@RunDepth: 52.64 psig @ 4401.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.14

End Date:

2015.08.15

Last Calib.:

2015.08.15

Start Time:

19:47:39

End Time:

01:49:03

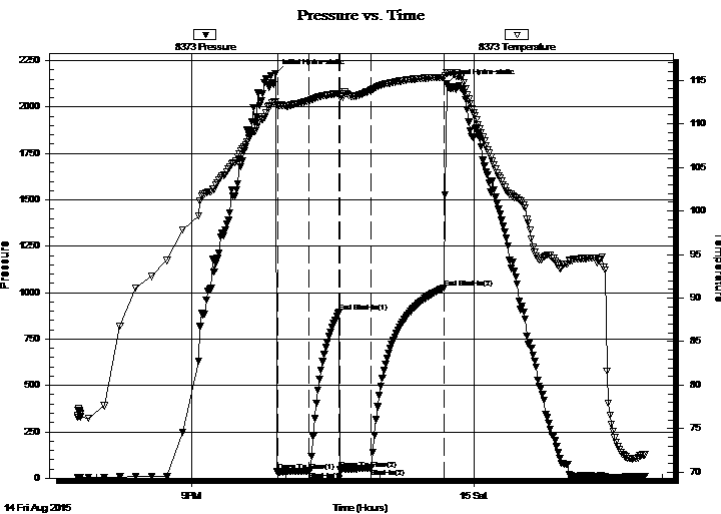
Time On Btm:

2015.08.14 @ 21:53:34

Time Off Btm:

2015.08.14 @ 23:42:34

**TEST COMMENT:** IF: Surface blow died in 9 min.  
IS: No return.  
FF: No blow. Flushed tool surface blow died in 4 min.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2182.16	112.53	Initial Hydro-static
2	34.53	112.13	Open To Flow (1)
22	37.65	112.62	Shut-In(1)
41	896.70	113.46	End Shut-In(1)
41	46.27	113.07	Open To Flow (2)
61	52.64	113.80	Shut-In(2)
108	1026.05	115.30	End Shut-In(2)
109	2125.72	115.83	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100%m	0.30

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stratakan Exploration LLC

**2-14s-33w Logan, KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61743

**DST#: 6**

ATTN: Chris Bean

Test Start: 2015.08.14 @ 19:47:34

## Tool Information

Drill Pipe:	Length: 4275.00 ft	Diameter: 3.80 inches	Volume: 59.97 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: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 60.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	4400.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	118.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Stubb	1.00			4373.00	
Shut In Tool	5.00			4378.00	
Hydraulic tool	5.00			4383.00	
Jars	5.00			4388.00	
Safety Joint	2.00			4390.00	
Change Over Sub	1.00			4391.00	
Packer - Shale	5.00			4396.00	
Packer	4.00			4400.00	28.00 Bottom Of Top Packer
Stubb	1.00			4401.00	
Recorder	0.00	8373	Inside	4401.00	
Recorder	0.00	8166	Outside	4401.00	
Perforations	18.00			4419.00	
Change Over Sub	1.00			4420.00	
Drill Pipe	64.00			4484.00	
Change Over Sub	1.00			4485.00	
Bullnose	5.00			4490.00	90.00 Anchor Tool
<b>Total Tool Length:</b>	<b>118.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stratakan Exploration LLC

**2-14s-33w Logan,KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61743

**DST#: 6**

ATTN: Chris Bean

Test Start: 2015.08.14 @ 19:47:34

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud 100%m	0.295

Total Length: 60.00 ft      Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

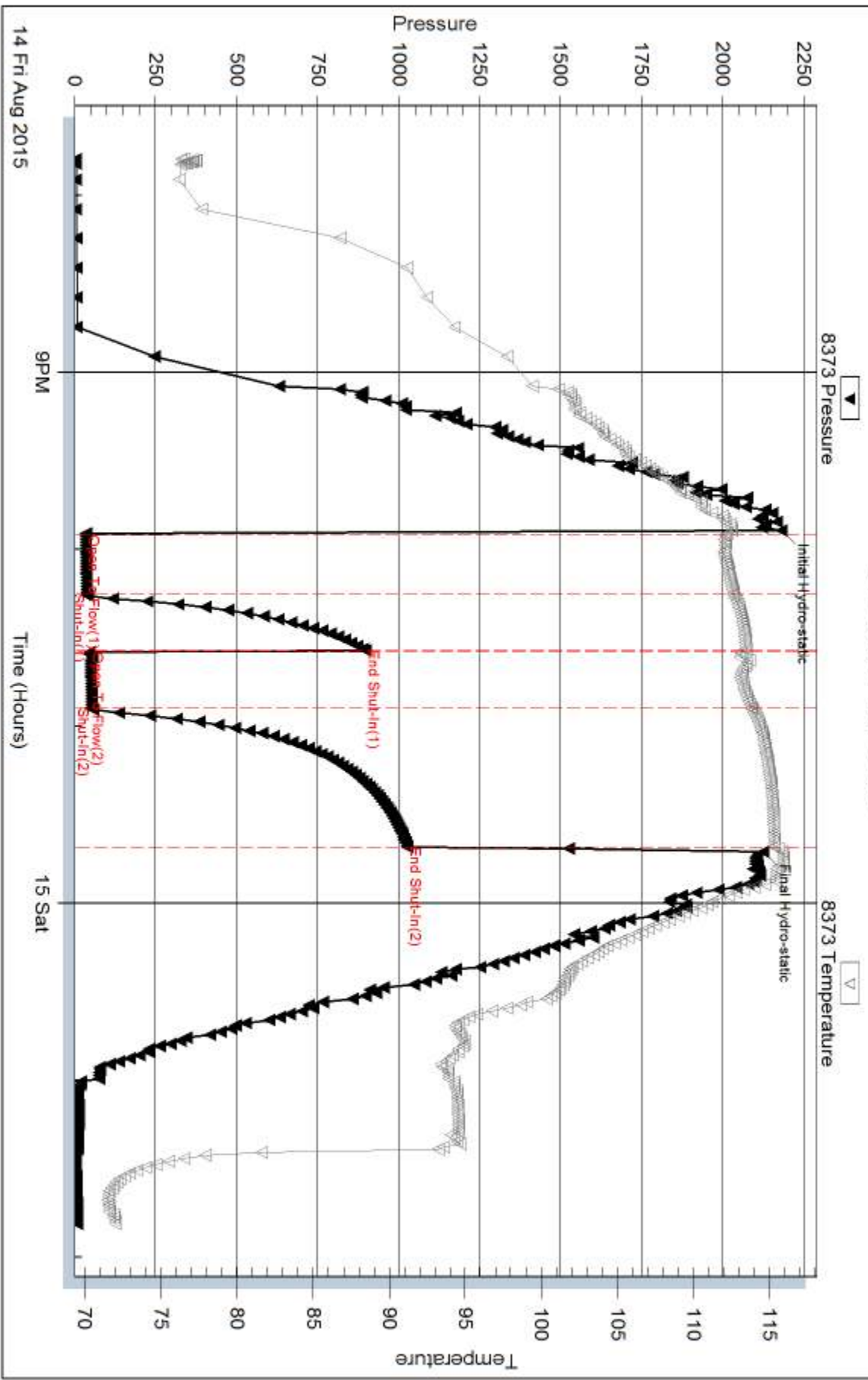
Serial #:

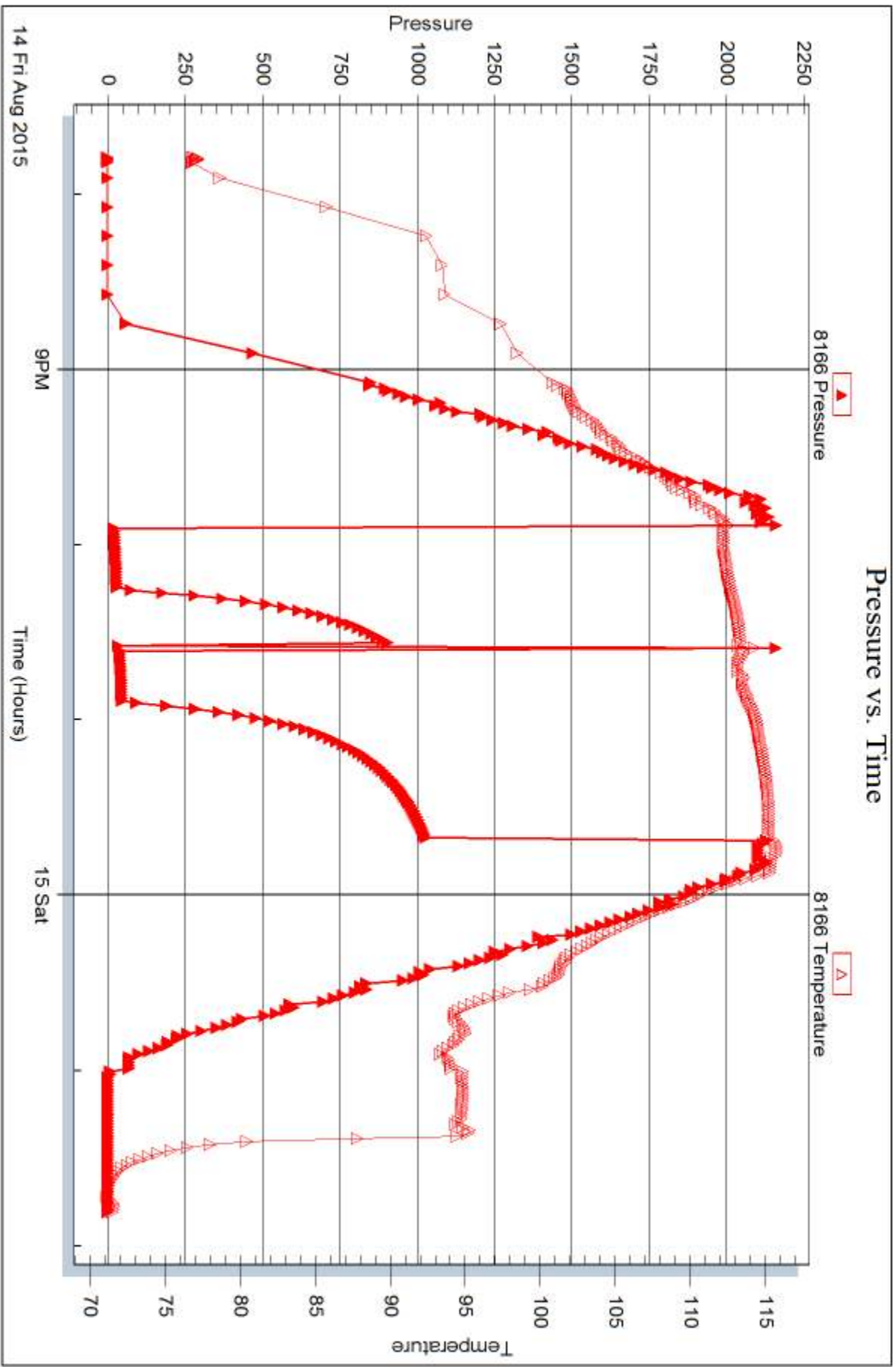
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration LLC**

204 W Mill St.  
Plainville, KS 67663

ATTN: Chris Bean

### **Beagley #2-1**

#### **2-14s-33w Logan,KS**

Start Date: 2015.08.16 @ 06:17:54

End Date: 2015.08.16 @ 12:44:24

Job Ticket #: 61744                      DST #: 7

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

Printed: 2015.08.17 @ 11:59:15



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Stratakan Exploration LLC

**2-14s-33w Logan,KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61744

**DST#: 7**

ATTN: Chris Bean

Test Start: 2015.08.16 @ 06:17:54

## GENERAL INFORMATION:

Formation: **LKC F-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:26:24

Time Test Ended: 12:44:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Turley

Unit No: 79

**Interval: 3924.00 ft (KB) To 3971.00 ft (KB) (TVD)**

Reference Elevations: 2879.00 ft (KB)

Total Depth: 4592.00 ft (KB) (TVD)

2874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8166 Outside**

Press@RunDepth: 874.55 psig @ 3929.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.08.16

End Date:

2015.08.16

Last Calib.:

2015.08.16

Start Time: 06:17:59

End Time:

12:44:23

Time On Btm:

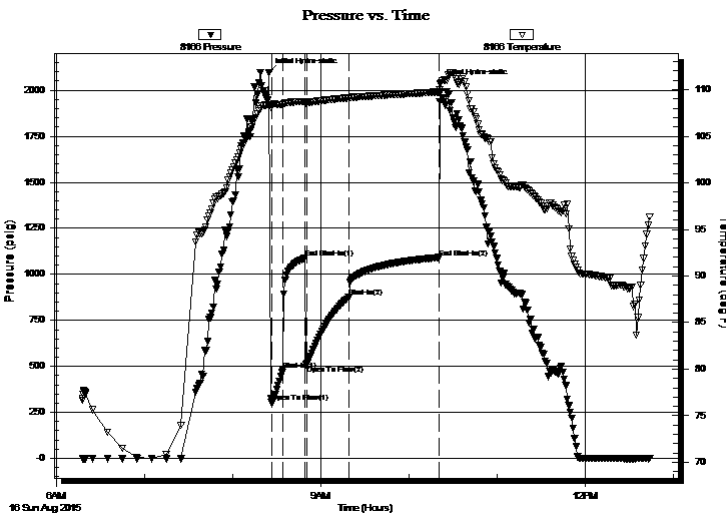
2015.08.16 @ 08:24:54

Time Off Btm:

2015.08.16 @ 10:21:24

TEST COMMENT: IF: BOB in 1 min.  
IS: No return.  
FF: BOB in 2 min.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2097.17	108.42	Initial Hydro-static
2	303.45	108.30	Open To Flow (1)
10	478.00	108.39	Shut-In(1)
25	1088.18	108.75	End Shut-In(1)
26	508.30	108.62	Open To Flow (2)
54	874.55	109.12	Shut-In(2)
116	1091.61	109.74	End Shut-In(2)
117	2036.20	110.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	water 100%w	0.62
1116.00	mcw 90%w 10%m	15.65
372.00	mcw trace of oil 60%w 40%m	5.22
206.00	ocw m 2%o 28%w 70%m	2.89

## Gas Rates

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

\* Recovery from multiple tests









**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stratakan Exploration LLC

**2-14s-33w Logan,KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61744

**DST#: 7**

ATTN: Chris Bean

Test Start: 2015.08.16 @ 06:17:54

## Tool Information

Drill Pipe:	Length: 3805.00 ft	Diameter: 3.80 inches	Volume: 53.37 bbl	Tool Weight: 8000.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 53.97 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3924.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	668.00 ft			
Tool Length:	690.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Stubb	1.00			3903.00	
Shut In Tool	5.00			3908.00	
Hydraulic tool	5.00			3913.00	
Safety Joint	2.00			3915.00	
Packer	5.00			3920.00	22.00 Bottom Of Top Packer
Packer	4.00			3924.00	
Stubb	1.00			3925.00	
Perforations	4.00			3929.00	
Recorder	0.00	8373	Inside	3929.00	
Recorder	0.00	8166	Outside	3929.00	
Change Over Sub	1.00			3930.00	
Drill Pipe	30.00			3960.00	
Bullnose	1.00			3961.00	
Perforations	5.00			3966.00	
Blank Off Sub	1.00			3967.00	668.00 Tool Interval
Packer	4.00			3971.00	
Stubb	1.00			3972.00	
Perforations	13.00			3985.00	
Change Over Sub	1.00			3986.00	
Drill Pipe	600.00			4586.00	
Recorder	0.00	8360	Below	4586.00	
Change Over Sub	1.00			4587.00	
Bullnose	5.00			4592.00	1000689.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>690.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stratakan Exploration LLC

**2-14s-33w Logan,KS**

204 W Mill St.  
Plainville, KS 67663

**Beagley #2-1**

Job Ticket: 61744

**DST#: 7**

ATTN: Chris Bean

Test Start: 2015.08.16 @ 06:17:54

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

25000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	water 100%w	0.619
1116.00	mcw 90%w 10%m	15.655
372.00	mcw trace of oil 60%w 40%m	5.218
206.00	ocw m 2%o 28%w 70%m	2.890

Total Length: 1818.00 ft      Total Volume: 24.382 bbl

Num Fluid Samples: 0

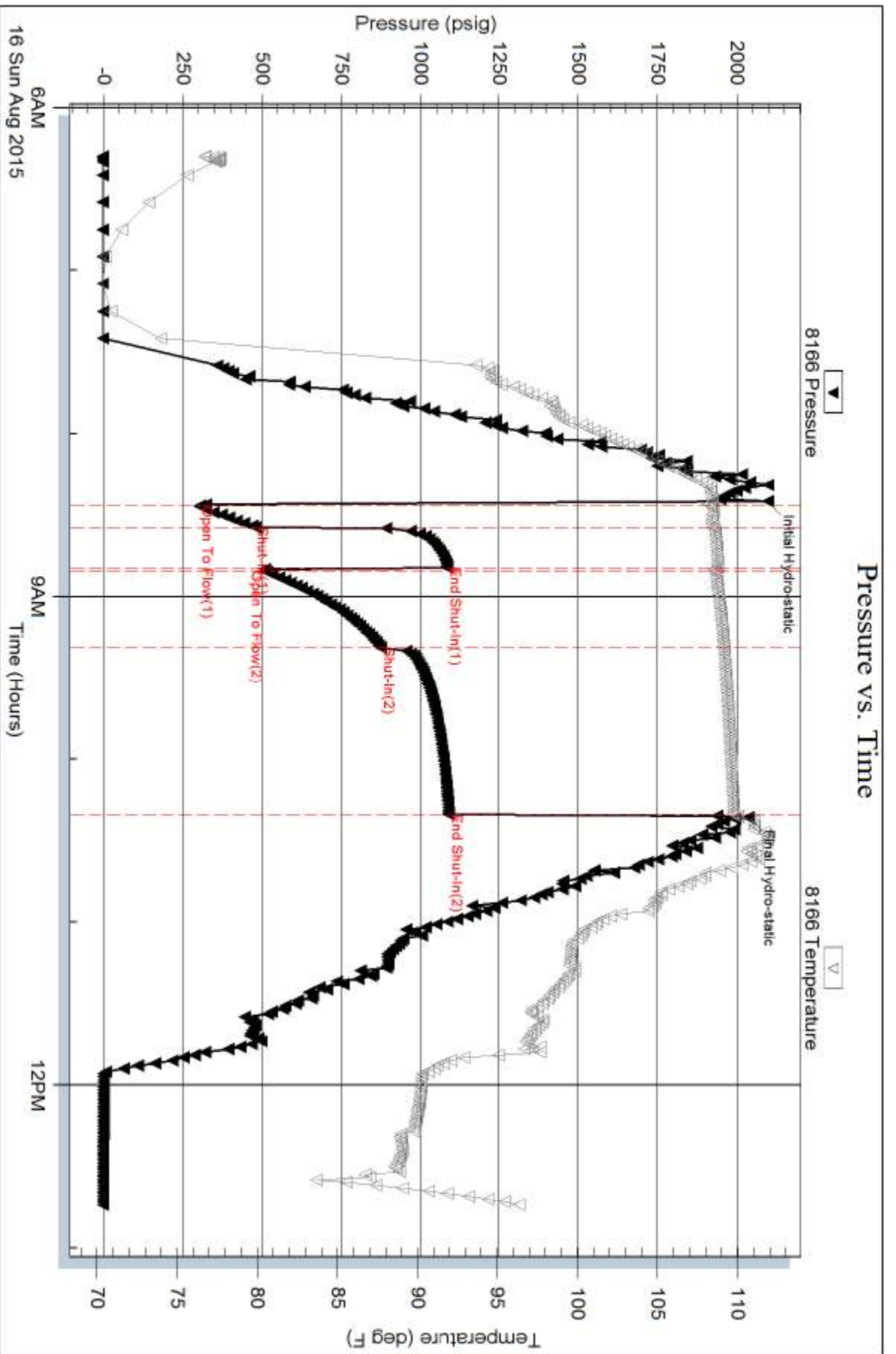
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .21@90=25000



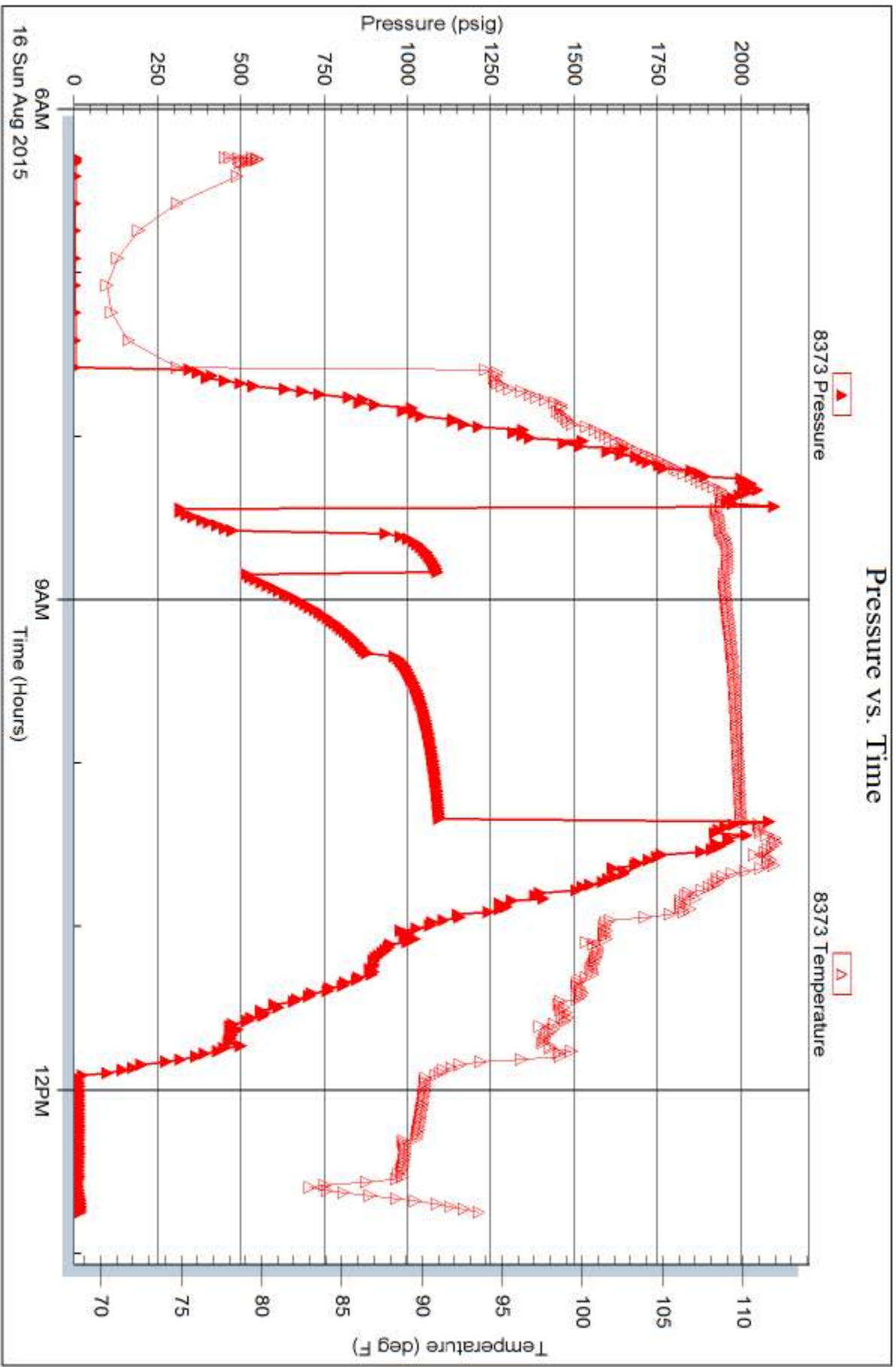
Serial #: 8373

Inside

Stratakan Exploration LLC

Beagley #2-1

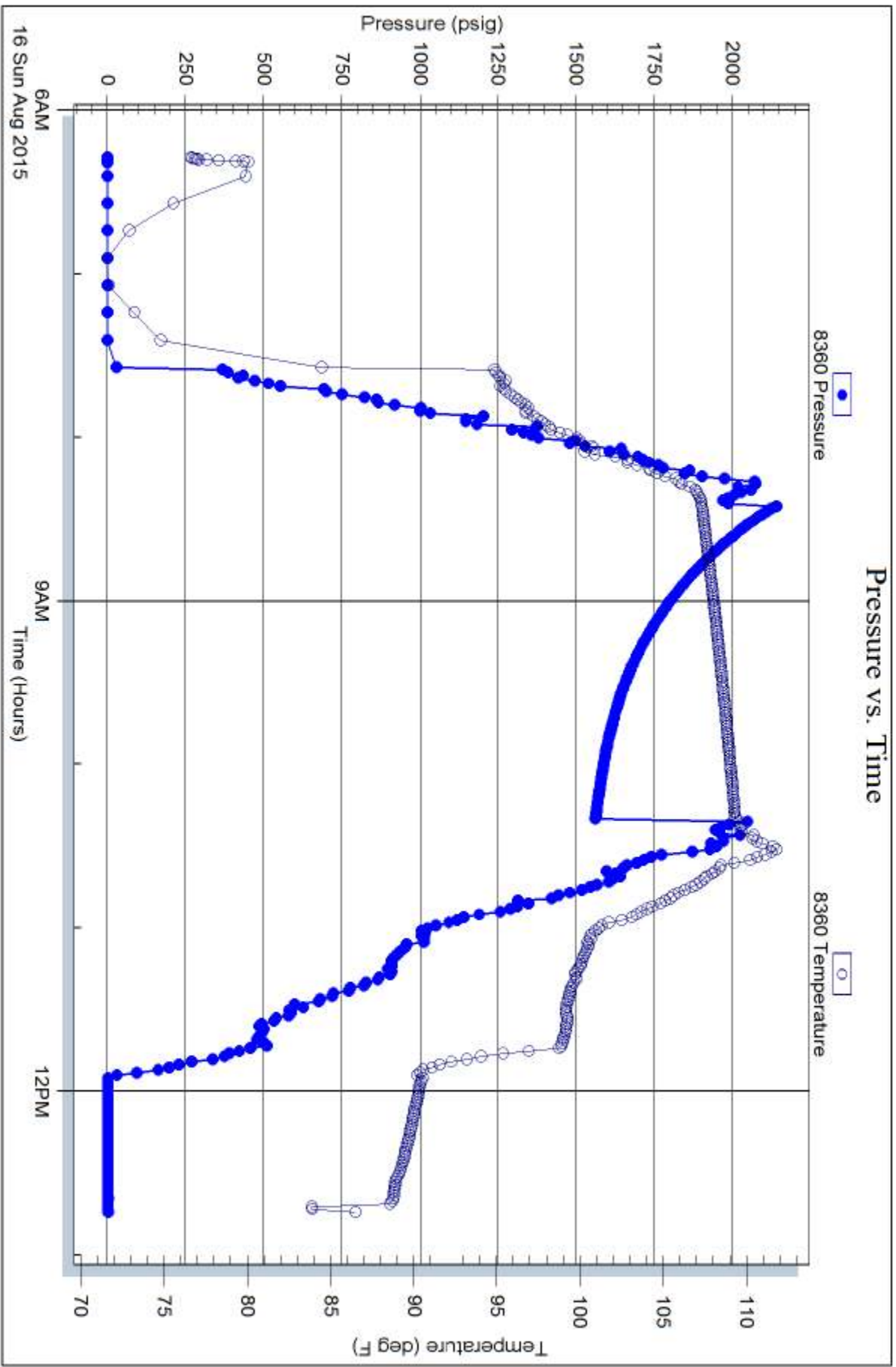
DST Test Number: 7



Trilobite Testing, Inc

Ref. No: 61744

Printed: 2015.08.17 @ 11:59:16







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61738

Well Name & No. Beagley 2-1 Test No. 1 Date 8-9-15  
 Company Stratkon Exploration LLC Elevation 2879 KB 2874 GL  
 Address 204 W mill st. Plainville, KS 67663  
 Co. Rep / Geo. Chris Bern Rig WW #6  
 Location: Sec. 2 Twp. 14S Rge. 33W Co. Logan State KS

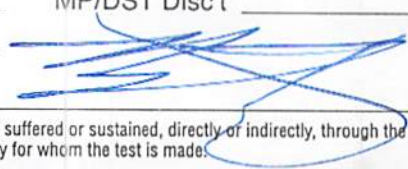
Interval Tested 3545 3579 Zone Tested Howard - Topck 4  
 Anchor Length 34 Drill Pipe Run 3401 Mud Wt. 8.8  
 Top Packer Depth 3540 Drill Collars Run 123 Vis 53  
 Bottom Packer Depth 3545 Wt. Pipe Run — WL 7.2  
 Total Depth 3579 Chlorides 7000 ppm System LCM 1 1/2

Blow Description IF: 1/4 blow built to 3 in 60 min.  
IS: No return.  
FF: Surface blow built to 2 in 60 min.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>MCW oil spots</u>		<u>90</u>	<u>10</u>	
<u>62</u>	<u>MCW</u>		<u>90</u>	<u>10</u>	

Rec Total 124 BHT 108 Gravity — API RW 26 @ 73° F Chlorides 26,000 ppm

(A) Initial Hydrostatic 1718  Test 1050 T-On Location 20:15  
 (B) First Initial Flow 18  Jars 250 T-Started 22:23  
 (C) First Final Flow 70  Safety Joint 75 T-Open 00:20  
 (D) Initial Shut-In 1129  Circ Sub NIL T-Pulled 3:50  
 (E) Second Initial Flow 75  Hourly Standby \_\_\_\_\_ T-Out 5:32  
 (F) Second Final Flow 92  Mileage 102- Comments \_\_\_\_\_  
 (G) Final Shut-In 1156  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1655  Straddle \_\_\_\_\_  
 Shale Packer 250  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 60  Day Standby \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 30  Accessibility \_\_\_\_\_ Total 1727  
 Final Flow 60  Sub Total 1727 MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 60

Approved By \_\_\_\_\_ Our Representative 

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61739

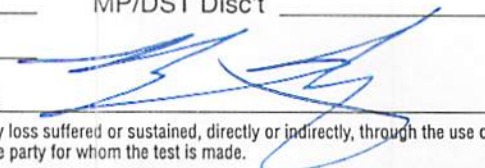
Well Name & No. Bergley 2-1 Test No. 2 Date 8-11-15  
 Company Strata Kyn Exploration LLC Elevation 2879 KB 2874 GL  
 Address 5  
 Co. Rep / Geo. Chris Bern Rig WW #6  
 Location: Sec. 2 Twp. 145 Rge. 33N Co. Logan State KS

Interval Tested 3885 3924 Zone Tested D-E  
 Anchor Length 39 Drill Pipe Run 3744 Mud Wt. 8.8  
 Top Packer Depth 3880 Drill Collars Run 123 Vis 59  
 Bottom Packer Depth 3885 Wt. Pipe Run — WL 8.0  
 Total Depth 3924 Chlorides 11,000 ppm System LCM 1 1/2  
 Blow Description IF: 1/4 blow BoB in 28 mins.  
ID: No return.  
FF: Surface blow BoB in 43 min.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>144</u>	<u>wcm</u>		<u>10</u>	<u>90</u>	
<u>186</u>	<u>MCW</u>		<u>70</u>	<u>30</u>	
<u>124</u>	<u>MCW</u>		<u>95</u>	<u>5</u>	

Rec Total 454 BHT 114 Gravity — API RW .16 @ 86 ° F Chlorides 36,000 ppm

(A) Initial Hydrostatic 2015  Test 1050 T-On Location 5:00  
 (B) First Initial Flow 21  Jars 250 T-Started 5:55  
 (C) First Final Flow 140  Safety Joint 75 T-Open 7:45  
 (D) Initial Shut-In 1123  Circ Sub N/C T-Pulled 11:15  
 (E) Second Initial Flow 147  Hourly Standby \_\_\_\_\_ T-Out 13:15  
 (F) Second Final Flow 224  Mileage 102- Comments \_\_\_\_\_  
 (G) Final Shut-In 1121  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1975  Straddle \_\_\_\_\_  
 Shale Packer 250  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1727  
 Sub Total 1727 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative 

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61740

Well Name & No. Beagley 2-1 Test No. 3 Date 8-12-15  
 Company Stratagem Exploration Elevation 2879 KB 2874 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Chris Bern Rig WW #6  
 Location: Sec. 2 Twp. 14S Rge. 33W Co. Logan State KS

Interval Tested 3994 4025 Zone Tested LKC-H  
 Anchor Length 31 Drill Pipe Run 3870 Mud Wt. 9.4  
 Top Packer Depth 3989 Drill Collars Run 123 Vis 51  
 Bottom Packer Depth 3994 Wt. Pipe Run \_\_\_\_\_ WL 9.6  
 Total Depth 4025 Chlorides 9000 ppm System LCM ~~9000~~ 1/2  
 Blow Description IF: 1/4 blow built to 2 in 60 min.  
IS: No return,  
FF: surface blow built to 1/2 in 60 min.  
FS: No return,

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free oil</u>		<u>100</u>		
<u>124</u>	<u>WCM</u>		<u>30</u>	<u>70</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 125 BHT 111 Gravity \_\_\_\_\_ API RW .32 @ 68 °F Chlorides 23,000 ppm

(A) Initial Hydrostatic <u>2080</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>06:10</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:15</u>
(C) First Final Flow <u>44</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:22</u>
(D) Initial Shut-In <u>1098</u>	<input checked="" type="checkbox"/> Circ Sub <u>NIL</u>	T-Pulled <u>6:37</u>
(E) Second Initial Flow <u>49</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>8:30</u>
(F) Second Final Flow <u>70</u>	<input checked="" type="checkbox"/> Mileage <u>102-</u>	Comments _____
(G) Final Shut-In <u>1092</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2025</u>	<input type="checkbox"/> Straddle _____	_____
Initial Open <u>60</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>1827</u>
	<input type="checkbox"/> Accessibility _____	Total _____
	Sub Total <u>1827</u>	MP/DST Disc't _____

Approved By \_\_\_\_\_ Our Representative

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61741

Well Name & No. Beggley 2-1 Test No. 4 Date 8-12-15  
 Company Straterra Exploration Elevation 2879 KB 2874 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Chris Bern Rig WW #6  
 Location: Sec. 2 Twp. 145 Rge. 33W Co. L099N State KS

Interval Tested 4024 4104 Zone Tested IJK  
 Anchor Length 80 Drill Pipe Run 3903 Mud Wt. 9.0  
 Top Packer Depth 4019 Drill Collars Run 123 Vis 55  
 Bottom Packer Depth 4024 Wt. Pipe Run \_\_\_\_\_ WL 8.8  
 Total Depth 4104 Chlorides 8000 ppm System LCM 1 1/2

Blow Description ± F1 1/4 blow died in 8 min.  
± 5' No return.  
FF: No blow, Flashed tool no blow.  
F5: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>mud oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 108 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2032  Test 1150 T-On Location 18:15  
 (B) First Initial Flow 19  Jars 250 T-Started 18:51  
 (C) First Final Flow 28  Safety Joint 75 T-Open 20:55  
 (D) Initial Shut-In 1086  Circ Sub NIL T-Pulled 23:05  
 (E) Second Initial Flow 31  Hourly Standby \_\_\_\_\_ T-Out 00:50  
 (F) Second Final Flow 43  Mileage 102- Comments \_\_\_\_\_  
 (G) Final Shut-In 1117  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1952  Straddle \_\_\_\_\_  
 Shale Packer 250  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1827  
 Sub Total 1827 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative 

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. 61742

Well Name & No. Begley 2-1 Test No. 5 Date 8-13-15  
 Company Stratagem Exploration Elevation 2879 KB 2874 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Chris Bean Rig WW #6  
 Location: Sec. 2 Twp. 14S Rge. 33W Co. Logan State K5

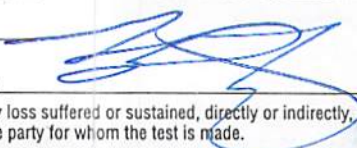
Interval Tested 4148 4205 Zone Tested Pleasanton - Marmaton  
 Anchor Length 57 Drill Pipe Run 4027 Mud Wt. 9.0  
 Top Packer Depth 4143 Drill Collars Run 123 Vis 57  
 Bottom Packer Depth 4148 Wt. Pipe Run — WL 10.4  
 Total Depth 4205 Chlorides 10,000 ppm System LCM 1

Blow Description IF: surface blow died in 5 min.  
IS: No return.  
FF: No blow, Flushed tool no blow.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 109 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2135</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>12:00</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12:13</u>
(C) First Final Flow <u>21</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>13:55</u>
(D) Initial Shut-In <u>751</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>15:15</u>
(E) Second Initial Flow <u>22</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>17:05</u>
(F) Second Final Flow <u>26</u>	<input checked="" type="checkbox"/> Mileage <u>102-</u>	Comments _____
(G) Final Shut-In <u>917</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2140</u>	<input type="checkbox"/> Straddle	_____
Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>20</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1827</u>
	Sub Total <u>1827</u>	MP/DST Disc't _____

Approved By \_\_\_\_\_ Our Representative 

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61743

Well Name & No. Beagley 2-1 Test No. 6 Date 8-14-15  
 Company Stratagem Exploration Elevation 2879 KB 2874 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Chris Bern Rig WW #6  
 Location: Sec. 2 Twp. 14S Rge. 33W Co. Logan State K5

Interval Tested 4400 4490 Zone Tested Johnson / Morrow sand  
 Anchor Length 90 Drill Pipe Run 4275 Mud Wt. 9.3  
 Top Packer Depth 4395 Drill Collars Run 123 Vis 54  
 Bottom Packer Depth 4400 Wt. Pipe Run — WL 9.6  
 Total Depth 4490 Chlorides 10,000 ppm System LCM 1

Blow Description IF: Surface blow died in 9 min.  
IS: No return.  
FF: No blow. Flushed tool surface blow died in 4 min.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 60 BHT 115 Gravity — API RW — @ —° F Chlorides — ppm

(A) Initial Hydrostatic <u>2182</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>19:15</u>
(B) First Initial Flow <u>34</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>19:47</u>
(C) First Final Flow <u>37</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>21:53</u>
(D) Initial Shut-In <u>896</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>23:38</u>
(E) Second Initial Flow <u><del>46</del> 46</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1:46</u>
(F) Second Final Flow <u>52</u>	<input checked="" type="checkbox"/> Mileage <u>102-</u>	Comments _____
(G) Final Shut-In <u>1026</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>2125</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>20</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>20</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>20</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Total <u>1827</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1827</u>	

Approved By \_\_\_\_\_ Our Representative \_\_\_\_\_

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 61744

Well Name & No. Bergley 2-1 Test No. 7 Date 8-16-15  
 Company Strat & Kern Exploration Elevation 2879 KB 2874 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Chris Bern Rig WW #6  
 Location: Sec. 2 Twp. 14S Rge. 33W Co. L094N State K5

Interval Tested 3924 3971 Zone Tested F-G  
 Anchor Length 47 Drill Pipe Run 3805 Mud Wt. 9.4  
 Top Packer Depth 3919 Drill Collars Run 123 Vis 50  
 Bottom Packer Depth 3924 Wt. Pipe Run \_\_\_\_\_ WL 10.2  
 Total Depth 4592 Chlorides 9000 ppm System LCM 1  
 Blow Description IF: BoB in 1 min.  
IS: No return.  
FF: BoB in 2 min.  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>206</u>	<u>ocwm</u>	<u>2</u>	<u>28</u>	<u>70</u>	
<u>372</u>	<u>mcw trace of oil</u>		<u>60</u>	<u>40</u>	
<u>1116</u>	<u>mcw</u>		<u>90</u>	<u>10</u>	
<u>124</u>	<u>water</u>		<u>100</u>		
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1818 BHT 109 Gravity \_\_\_\_\_ API RW .21 @ 90 ° F Chlorides 25,000 ppm

(A) Initial Hydrostatic <u>2097</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>5:30</u>
(B) First Initial Flow <u>303</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>6:17</u>
(C) First Final Flow <u>478</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>8:25</u>
(D) Initial Shut-In <u>1088</u>	<input checked="" type="checkbox"/> Circ Sub <u>50.00</u>	T-Pulled <u>10:20</u>
(E) Second Initial Flow <u>508</u>	<input checked="" type="checkbox"/> Hourly Standby <u>3-</u>	T-Out <u>12:45</u>
(F) Second Final Flow <u>874</u>	<input checked="" type="checkbox"/> Mileage <u>204-</u>	Comments <u>Drove to the rig set the 10:15 to 1:15 to drive home and get 4 sh+HP packers</u>
(G) Final Shut-In <u>1091</u>	<input type="checkbox"/> Sampler _____	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2036</u>	<input checked="" type="checkbox"/> Straddle <u>600</u>	<input type="checkbox"/> Ruined Packer _____
	<input checked="" type="checkbox"/> Shale Packer <u>X2</u> <u>500</u>	<input type="checkbox"/> Extra Copies _____
Initial Open <u>10</u>	<input type="checkbox"/> Extra Packer _____	Sub Total <u>0</u>
Initial Shut-In <u>30 15</u>	<input type="checkbox"/> Extra Recorder _____	Total <u>2829</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby _____	MP/DST Disc't _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility _____	
	Sub Total <u>2829</u>	

Approved By \_\_\_\_\_ Our Representative

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