



## DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration, LLC**

204 W Mill St  
Plainville, KS 67663

ATTN: Pat Balthazor

### **Kraus #3-14**

#### **13-8s-22w Graham,KS**

Start Date: 2014.02.17 @ 02:34:02

End Date: 2014.02.17 @ 11:13:02

Job Ticket #: 54005                      DST #: 1

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

Printed: 2014.02.19 @ 14:31:44



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

StrataKan Exploration, LLC

**13-8s-22w Graham,KS**

204 W Mill St  
Plainville, KS 67663

**Kraus #3-14**

Job Ticket: 54005

**DST#: 1**

ATTN: Pat Balthazor

Test Start: 2014.02.17 @ 02:34:02

## GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:58:02

Time Test Ended: 11:13:02

Test Type: Conventional Bottom Hole (Initial)

Tester: Brannan L

Unit No: 48

**Interval: 3254.00 ft (KB) To 3322.00 ft (KB) (TVD)**

Reference Elevations: 2088.00 ft (KB)

Total Depth: 3322.00 ft (KB) (TVD)

2081.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 8321 Outside**

Press@RunDepth: 79.15 psig @ 3285.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.17

End Date:

2014.02.17

Last Calib.: 2014.02.17

Start Time: 02:34:03

End Time:

11:13:02

Time On Btm: 2014.02.17 @ 06:57:32

Time Off Btm: 2014.02.17 @ 09:03:02

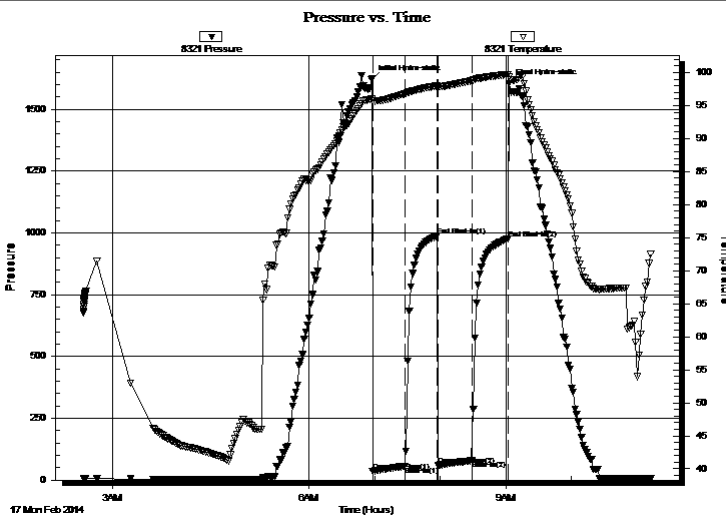
TEST COMMENT: 30- IF- Slow ly built to 2 1/2"

30- IS- No blow

30- FF- Slow ly built to 1"

30- FSI- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1622.37	95.95	Initial Hydro-static
1	35.23	95.67	Open To Flow (1)
30	56.38	96.74	Shut-In(1)
60	988.24	97.96	End Shut-In(1)
61	60.00	97.61	Open To Flow (2)
91	79.15	98.77	Shut-In(2)
124	975.90	99.71	End Shut-In(2)
126	1604.27	99.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	M	0.44

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

StrataKan Exploration, LLC

**13-8s-22w Graham,KS**

204 W Mill St  
Plainville, KS 67663

**Kraus #3-14**

Job Ticket: 54005

**DST#: 1**

ATTN: Pat Balthazor

Test Start: 2014.02.17 @ 02:34:02

## Tool Information

Drill Pipe:	Length: 3150.00 ft	Diameter: 3.75 inches	Volume: 43.03 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 115.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3254.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3235.00	
Shut In Tool	5.00			3240.00	
Hydraulic tool	5.00			3245.00	
Packer	5.00			3250.00	20.00 Bottom Of Top Packer
Packer	4.00			3254.00	
Stubb	1.00			3255.00	
Perforations	30.00			3285.00	
Recorder	0.00	8372	Inside	3285.00	
Recorder	0.00	8321	Outside	3285.00	
Blank Spacing	34.00			3319.00	
Bullnose	3.00			3322.00	68.00 Bottom Packers & Anchor

**Total Tool Length: 88.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

StrataKan Exploration, LLC

**13-8s-22w Graham,KS**

204 W Mill St  
Plainville, KS 67663

**Kraus #3-14**

Job Ticket: 54005

**DST#: 1**

ATTN: Pat Balthazor

Test Start: 2014.02.17 @ 02:34:02

## 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: 69.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	M	0.443

Total Length: 90.00 ft      Total Volume: 0.443 bbl

Num Fluid Samples: 0

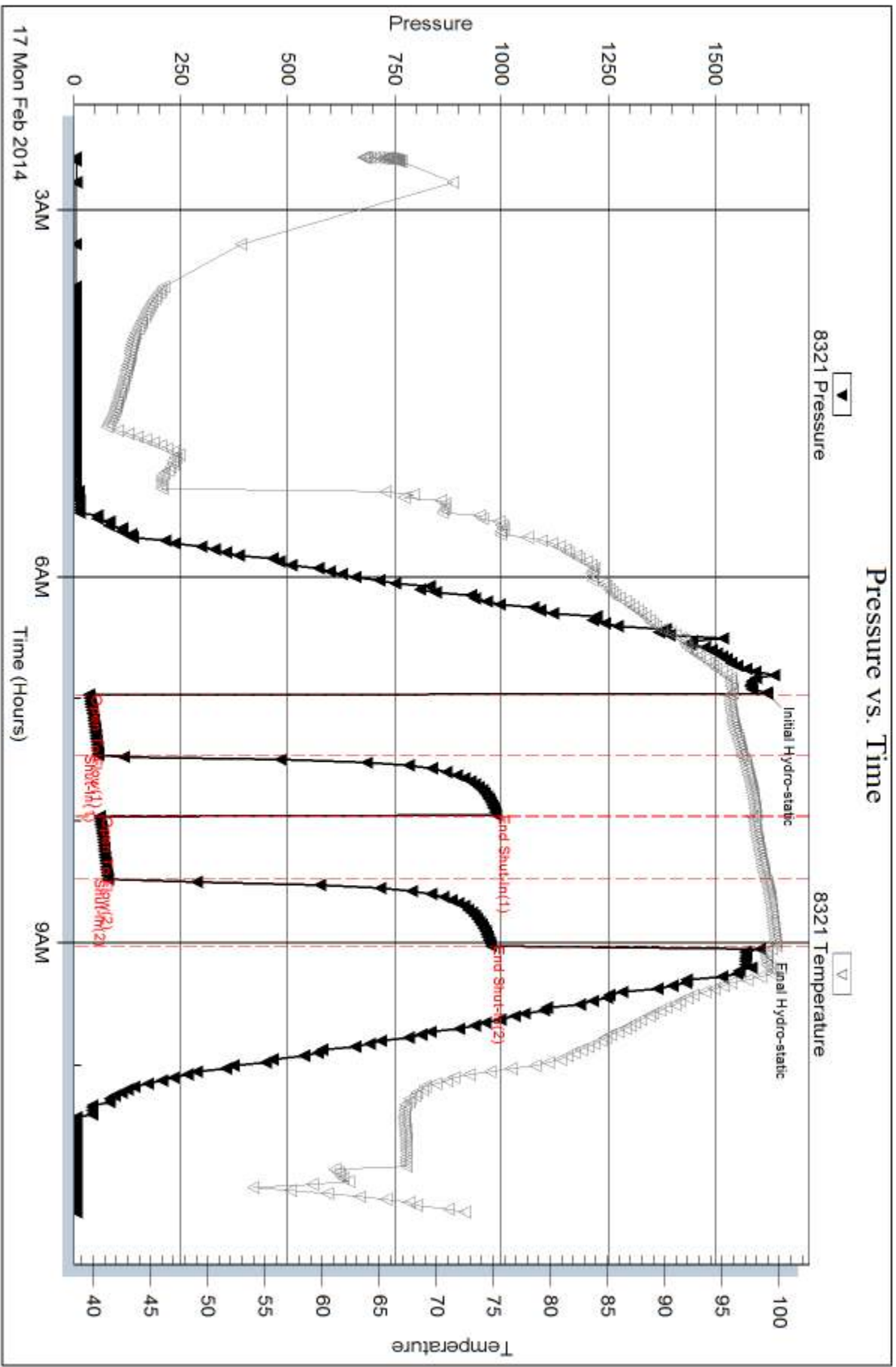
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



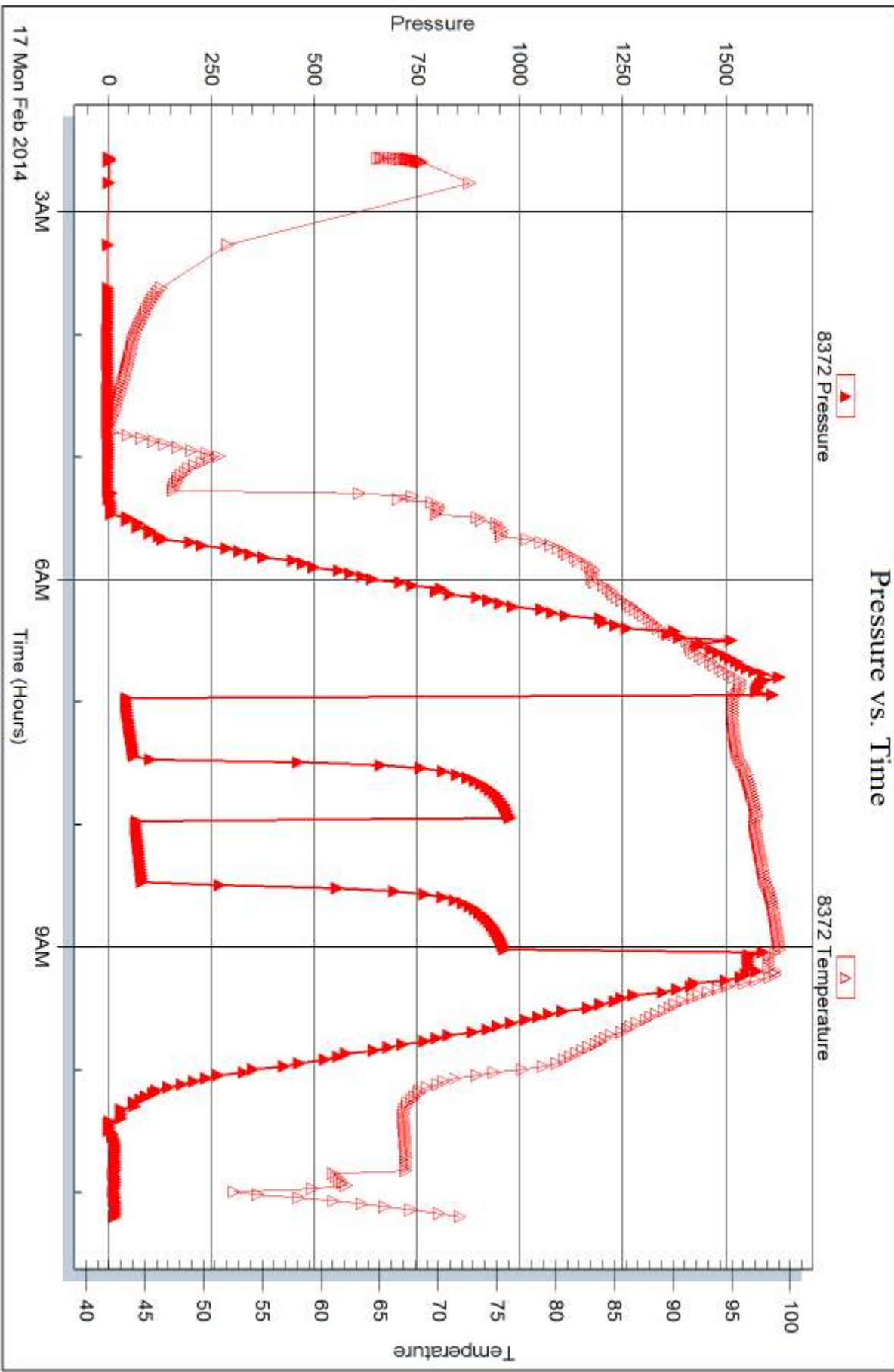
Serial #: 8372

Inside

StrataKan Exploration, LLC

Kraus #3-14

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 54005

Printed: 2014.02.19 @ 14:31:46



## DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration, LLC**

204 W Mill St  
Plainville, KS 67663

ATTN: Pat Balthazor

### **Kraus #3-14**

#### **13-8s-22w Graham,KS**

Start Date: 2014.02.18 @ 09:04:42

End Date: 2014.02.18 @ 15:27:42

Job Ticket #: 54006                      DST #: 2

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

Printed: 2014.02.19 @ 14:30:48





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

StrataKan Exploration, LLC

**13-8s-22w Graham,KS**

204 W Mill St  
Plainville, KS 67663

**Kraus #3-14**

Job Ticket: 54006

**DST#: 2**

ATTN: Pat Balthazor

Test Start: 2014.02.18 @ 09:04:42

## GENERAL INFORMATION:

Formation: **LKC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:49:42

Time Test Ended: 15:27:42

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan L

Unit No: 48

**Interval: 3416.00 ft (KB) To 3486.00 ft (KB) (TVD)**

Reference Elevations: 2088.00 ft (KB)

Total Depth: 3486.00 ft (KB) (TVD)

2081.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

**Serial #: 8372**

**Inside**

Press@RunDepth: 54.42 psig @ 3450.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.18

End Date:

2014.02.18

Last Calib.:

2014.02.18

Start Time: 09:04:43

End Time:

15:27:42

Time On Btm:

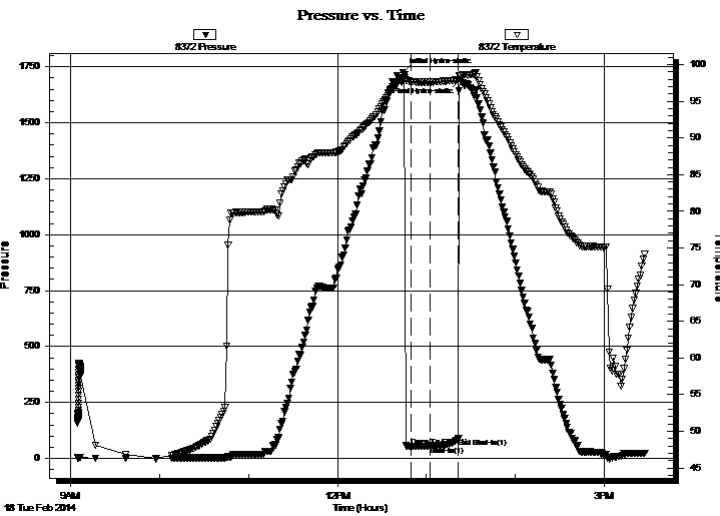
2014.02.18 @ 12:44:12

Time Off Btm:

2014.02.18 @ 13:22:42

TEST COMMENT: 15- IF- Surface blow died in 7 mins

15- IS- No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1725.05	98.14	Initial Hydro-static
6	53.27	97.71	Open To Flow (1)
18	54.42	97.63	Shut-In(1)
38	88.93	97.94	End Shut-In(1)
39	1692.72	98.43	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	M	0.00

## 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

**13-8s-22w Graham,KS**

204 W Mill St  
Plainville, KS 67663

**Kraus #3-14**

Job Ticket: 54006

**DST#: 2**

ATTN: Pat Balthazor

Test Start: 2014.02.18 @ 09:04:42

## Tool Information

Drill Pipe:	Length: 3304.00 ft	Diameter: 3.75 inches	Volume: 45.13 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 115.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3416.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3397.00	
Shut In Tool	5.00			3402.00	
Hydraulic tool	5.00			3407.00	
Packer	5.00			3412.00	20.00 Bottom Of Top Packer
Packer	4.00			3416.00	
Stubb	1.00			3417.00	
Perforations	33.00			3450.00	
Recorder	0.00	8372	Inside	3450.00	
Recorder	0.00	8321	Outside	3450.00	
Blank Spacing	33.00			3483.00	
Bullnose	3.00			3486.00	70.00 Bottom Packers & Anchor

**Total Tool Length: 90.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

StrataKan Exploration, LLC

**13-8s-22w Graham,KS**

204 W Mill St  
Plainville, KS 67663

**Kraus #3-14**

Job Ticket: 54006

**DST#: 2**

ATTN: Pat Balthazor

Test Start: 2014.02.18 @ 09:04:42

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	M	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8372

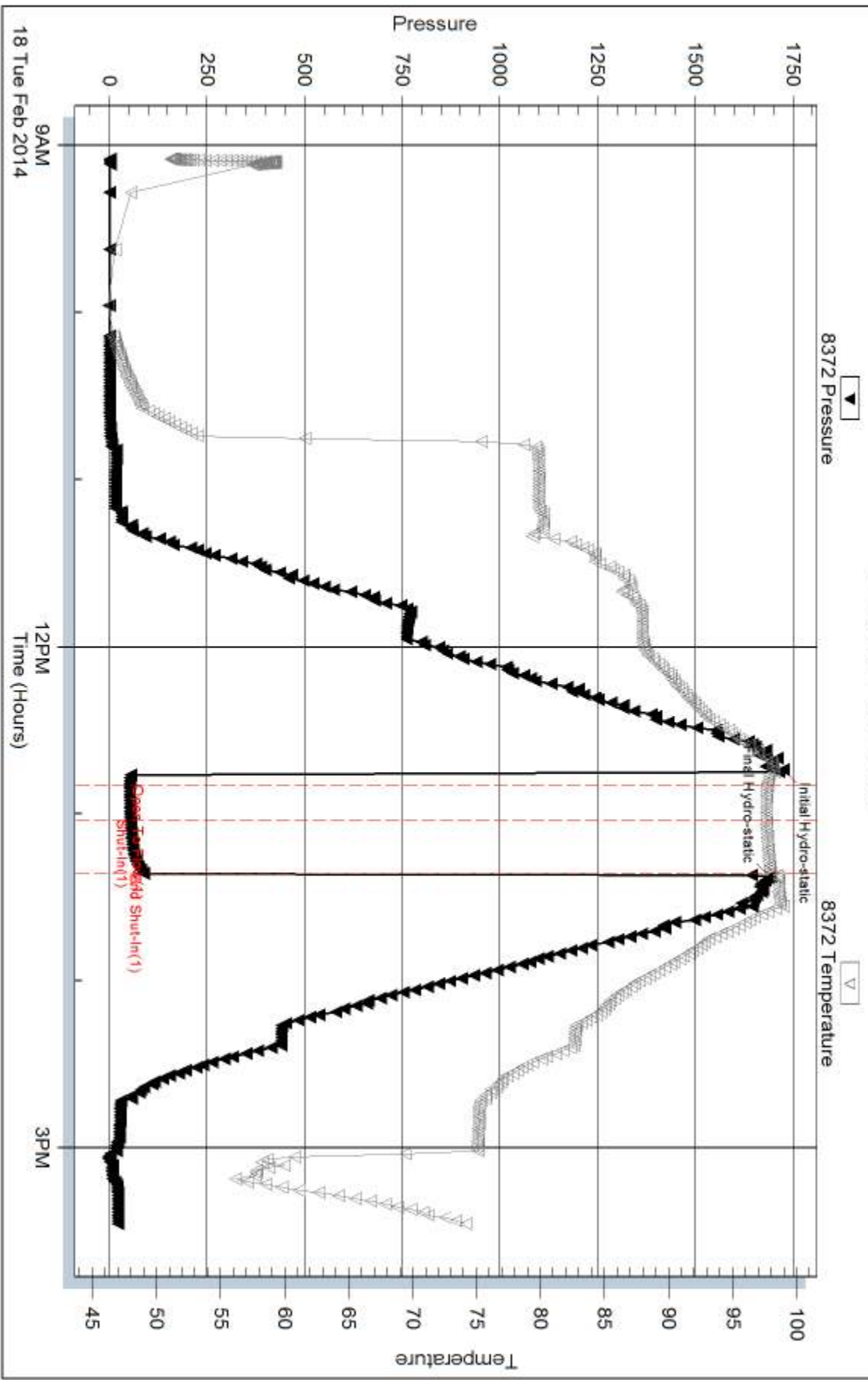
Inside

StrataKan Exploration, LLC

Kraus #3-14

DST Test Number: 2

### Pressure vs. Time



Triobite Testing, Inc

Ref. No: 54006

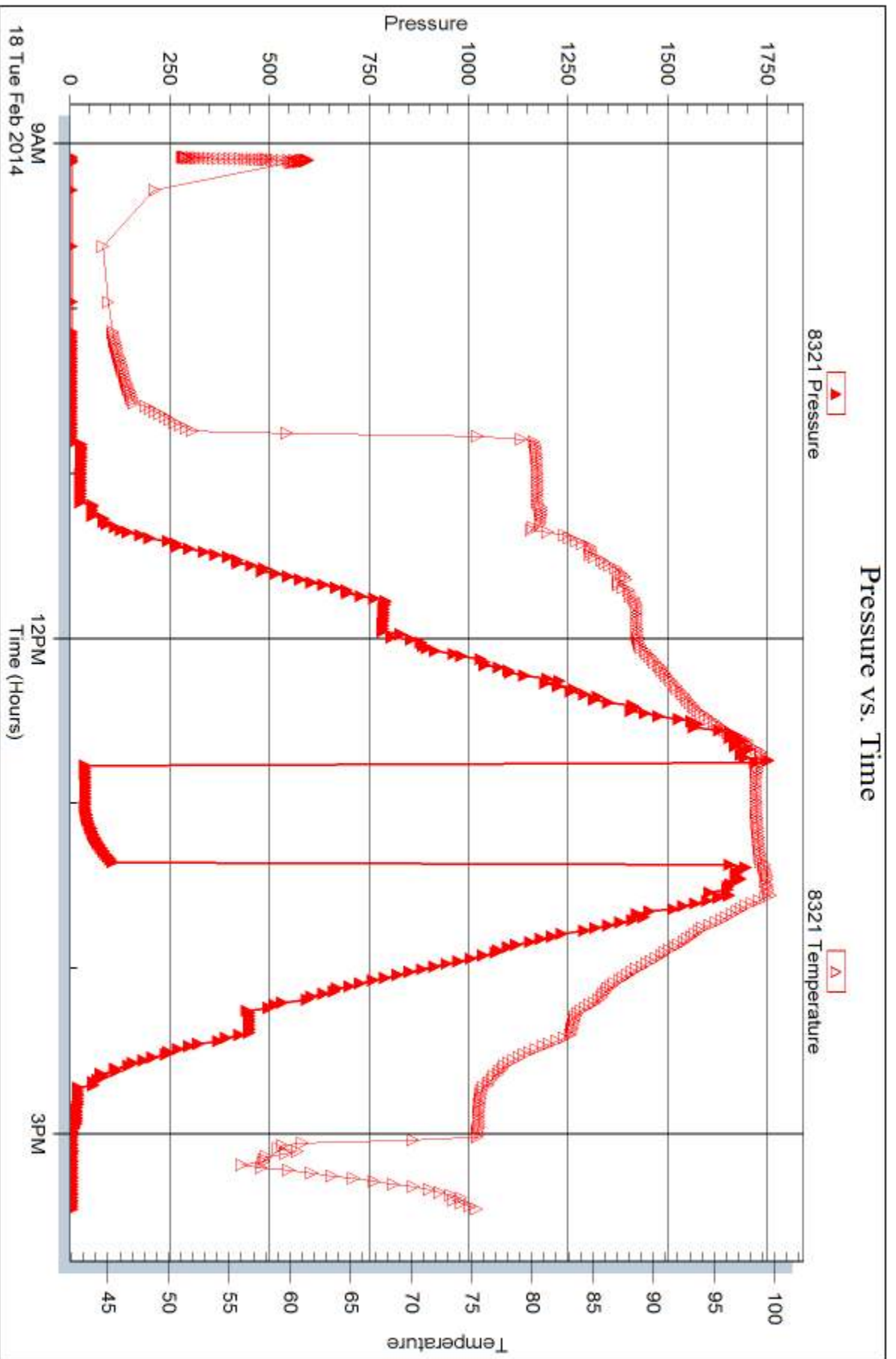
Printed: 2014.02.19 @ 14:30:50

Serial #: 8321

Outside StrataKan Exploration, LLC

Kraus #3-14

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 54006

Printed: 2014.02.19 @ 14:30:50



## DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration, LLC**

204 W Mill St  
Plainville, KS 67663

ATTN: Pat Balthazor

### **Kraus #3-14**

#### **13-8s-22w Graham,KS**

Start Date: 2014.02.19 @ 00:14:43

End Date: 2014.02.19 @ 08:44:43

Job Ticket #: 54007                      DST #: 3

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

Printed: 2014.02.19 @ 14:29:52



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

StrataKan Exploration, LLC

**13-8s-22w Graham,KS**

204 W Mill St  
Plainville, KS 67663

**Kraus #3-14**

Job Ticket: 54007

**DST#: 3**

ATTN: Pat Balthazor

Test Start: 2014.02.19 @ 00:14:43

## GENERAL INFORMATION:

Formation: **LKC "K-L"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:37:13  
 Time Test Ended: 08:44:43  
 Interval: **3478.00 ft (KB) To 3520.00 ft (KB) (TVD)**  
 Total Depth: 3520.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brannan L  
 Unit No: 48  
 Reference Elevations: 2088.00 ft (KB)  
 2081.00 ft (CF)  
 KB to GR/CF: 7.00 ft

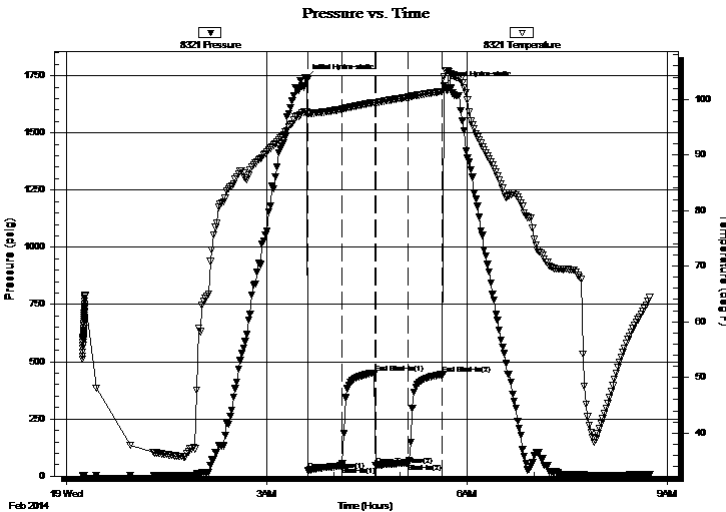
## Serial #: 8321

Outside

Press@RunDepth: 57.90 psig @ 3517.00 ft (KB)  
 Start Date: 2014.02.19 End Date: 2014.02.19  
 Start Time: 00:14:44 End Time: 08:44:43  
 Capacity: 8000.00 psig  
 Last Calib.: 2014.02.19  
 Time On Btm: 2014.02.19 @ 03:34:43  
 Time Off Btm: 2014.02.19 @ 05:39:13

TEST COMMENT: 30- IF- Slow ly built to 2"  
 30- IS- No blow  
 30- FF- Slow ly built to 1"  
 30- FS- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1739.12	97.68	Initial Hydro-static
3	25.92	97.48	Open To Flow (1)
33	44.91	98.21	Shut-In(1)
62	451.33	99.42	End Shut-In(1)
63	46.89	99.36	Open To Flow (2)
93	57.90	100.39	Shut-In(2)
123	444.35	101.40	End Shut-In(2)
125	1708.20	104.09	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
75.00	WM, 80%M	0.37

\* 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

**13-8s-22w Graham,KS**

204 W Mill St  
Plainville, KS 67663

**Kraus #3-14**

Job Ticket: 54007

**DST#: 3**

ATTN: Pat Balthazor

Test Start: 2014.02.19 @ 00:14:43

## Tool Information

Drill Pipe:	Length: 3367.00 ft	Diameter: 3.75 inches	Volume: 46.00 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 115.00 ft	Diameter: 2.25 inches	Volume: 0.57 bbl	Weight to Pull Loose:	52000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
			- bbl	String Weight: Initial	49000.00 lb
Drill Pipe Above KB:	24.00 ft			Final	49000.00 lb
Depth to Top Packer:	3478.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	62.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3459.00	
Shut In Tool	5.00			3464.00	
Hydraulic tool	5.00			3469.00	
Packer	5.00			3474.00	20.00 Bottom Of Top Packer
Packer	4.00			3478.00	
Stubb	1.00			3479.00	
Perforations	38.00			3517.00	
Recorder	0.00	8372	Inside	3517.00	
Recorder	0.00	8321	Outside	3517.00	
Bullnose	3.00			3520.00	42.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>62.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

StrataKan Exploration, LLC

**13-8s-22w Graham,KS**

204 W Mill St  
Plainville, KS 67663

**Kraus #3-14**

Job Ticket: 54007

**DST#: 3**

ATTN: Pat Balthazor

Test Start: 2014.02.19 @ 00:14:43

## 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: 27000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	WM, 80%M	0.369

Total Length: 75.00 ft      Total Volume: 0.369 bbl

Num Fluid Samples: 0

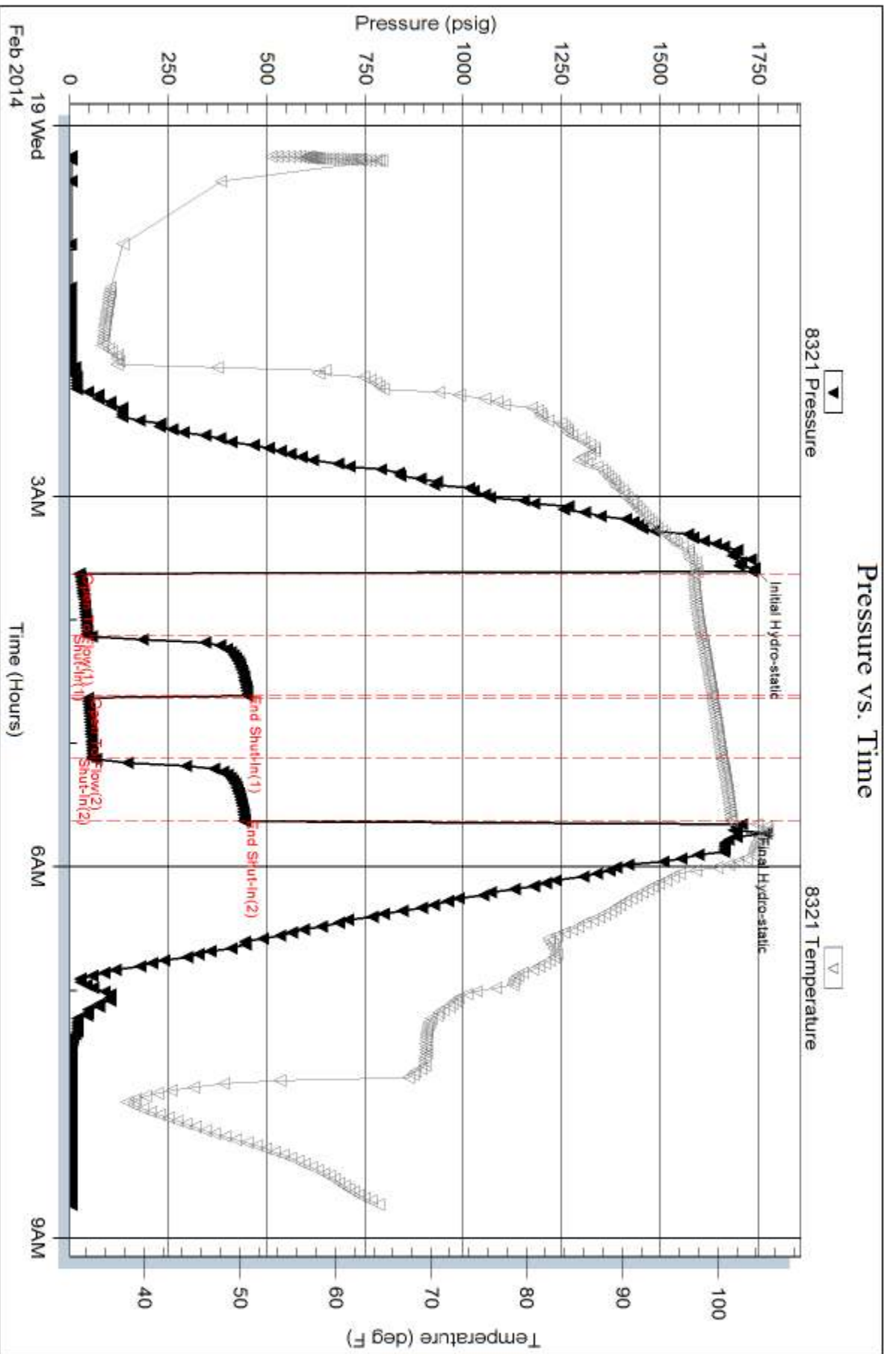
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



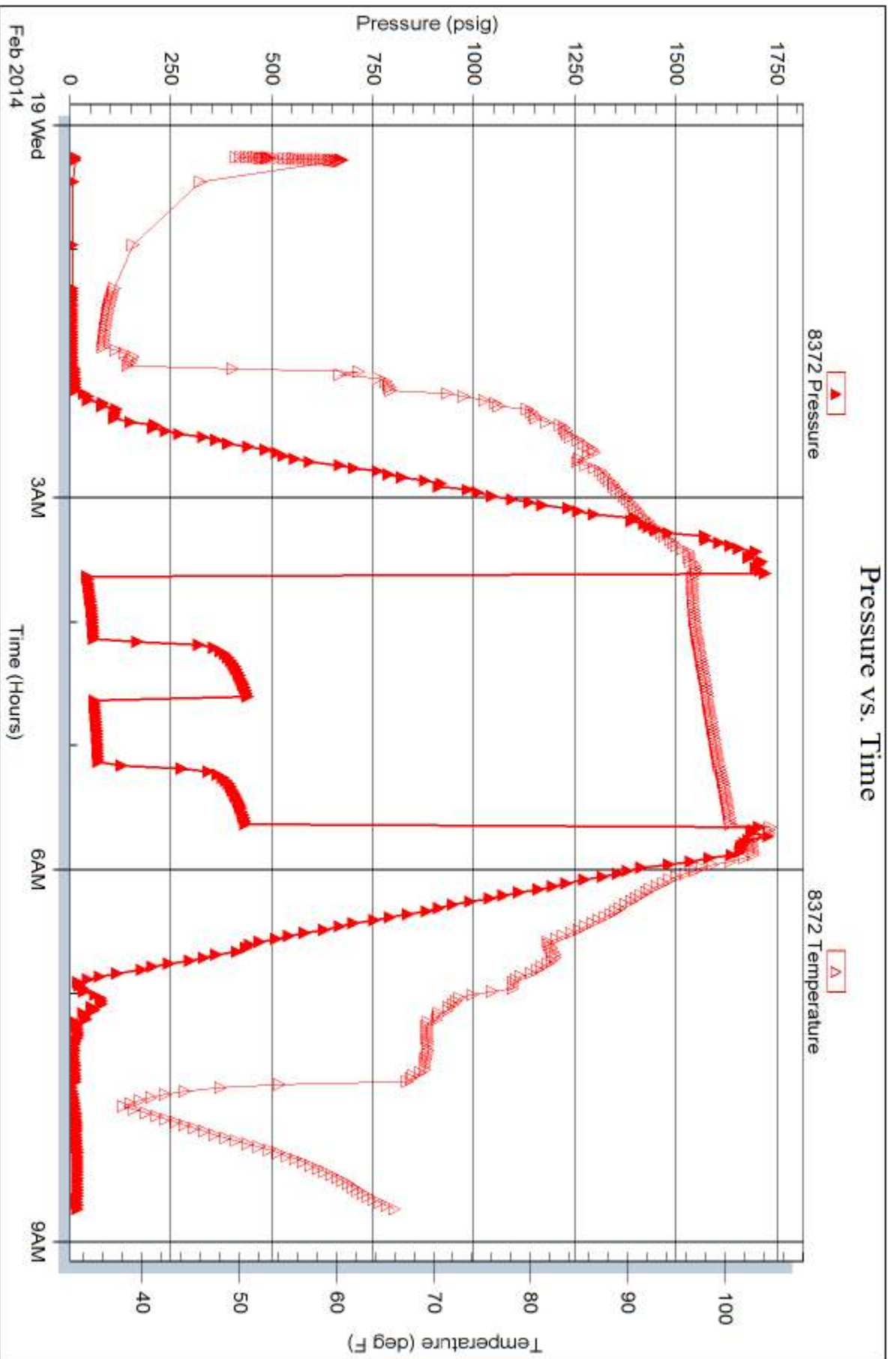
Serial #: 8372

Inside

StrataKan Exploration, LLC

Kraus #3-14

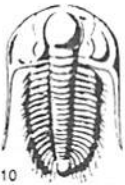
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 54007

Printed: 2014.02.19 @ 14:29:55



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 54005

Well Name & No. Kraws #3-14 Test No. 1 Date 2/17/14  
 Company StrataKan Exploration, LLC Elevation 2088 KB 2081 GL  
 Address 204 W. Mill St. Plainville, KS 67663  
 Co. Rep / Geo. Pat Balthazor Rig Skytop  
 Location: Sec. 13 Twp. 8s Rge. 22w Co. Graham State KS

Interval Tested 3254-3322 Zone Tested LKC "A"  
 Anchor Length 68' Drill Pipe Run 3150 Mud Wt. 8.6  
 Top Packer Depth 3249 Drill Collars Run 115 Vis 69  
 Bottom Packer Depth 3254 Wt. Pipe Run          WL 6.4  
 Total Depth 3322 Chlorides 500 ppm System LCM 1/2 #

Blow Description IF - Slowly built to 2 1/2"  
ISI - No blow  
FF - Slowly built to 1"  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>M</u>				

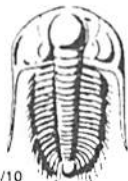
Rec Total 90' BHT 100° Gravity          API RW          @          ° F Chlorides          ppm

(A) Initial Hydrostatic 1622  Test 1150 T-On Location 0207  
 (B) First Initial Flow 35  Jars          T-Started 0234  
 (C) First Final Flow 56  Safety Joint          T-Open 0658  
 (D) Initial Shut-In 988  Circ Sub          T-Pulled 0858  
 (E) Second Initial Flow 60  Hourly Standby          T-Out 1114  
 (F) Second Final Flow 79  Mileage 124 RT 192.20 Comments           
 (G) Final Shut-In 976  Sampler           
 (H) Final Hydrostatic 1604  Straddle           Ruined Shale Packer         

Initial Open 30  Shale Packer           Ruined Packer           
 Initial Shut-In 30  Extra Packer           Extra Copies           
 Final Flow 30  Extra Recorder          Sub Total 0  
 Final Shut-In 30  Day Standby          Total 1342.20  
 Accessibility          MP/DST Disc't           
 Sub Total 1342.20

Approved By          Our Representative Bragman L

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. 54006

Well Name & No. Krans #3-14 Test No. 2 Date 2/18/14  
 Company Stratikon Exploration, LLC Elevation 2088 KB 2081 GL  
 Address 204 W. Mill St. Plainville, KS 67663  
 Co. Rep / Geo. Pat Balthazor Rig skytop  
 Location: Sec. 13 Twp. 8s Rge. 22w Co. Graham State KS

Interval Tested ~~3254-33~~ 3416-3486 Zone Tested LKC - "HJ"  
 Anchor Length 70' Drill Pipe Run 3304 Mud Wt. 9.2  
 Top Packer Depth 3411 Drill Collars Run 115 Vis 55  
 Bottom Packer Depth 3416 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 3486 Chlorides 1,000 ppm System LCM 1#  
 Blow Description IF - Surface blow died in 7 mins  
ISI - No blow

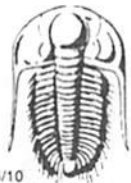
Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>M</u>				

Rec Total 1' BHT 98° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1725  Test 1150 T-On Location 0838  
 (B) First Initial Flow 53  Jars \_\_\_\_\_ T-Started 0905  
 (C) First Final Flow 54  Safety Joint \_\_\_\_\_ T-Open 1245  
 (D) Initial Shut-In 89  Circ Sub \_\_\_\_\_ T-Pulled 1315  
 (E) Second Initial Flow \_\_\_\_\_  Hourly Standby \_\_\_\_\_ T-Out 1528  
 (F) Second Final Flow \_\_\_\_\_  Mileage 124 RT 192.20 Comments \_\_\_\_\_  
 (G) Final Shut-In \_\_\_\_\_  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1693  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 15  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 15  Day Standby \_\_\_\_\_ Total 1342.20  
 Final Flow \_\_\_\_\_  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In \_\_\_\_\_ Sub Total 1342.20

Approved By \_\_\_\_\_ Our Representative Brannon L

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. 54007

Well Name & No. Kraas #3-14 Test No. 3 Date 2/19/14  
 Company Strata Kan Exploration, LLC Elevation 2088 KB 2081 GL  
 Address 204 W. Mill St. Plainville, KS 67663  
 Co. Rep / Geo. Pat Balthazor Rig skytap  
 Location: Sec. 13 Twp. 8s Rge. 22w Co. Graham State KS

Interval Tested 3478-3520 Zone Tested LKC "K-L"  
 Anchor Length 42' Drill Pipe Run 3367 Mud Wt. 9.2  
 Top Packer Depth 3473 Drill Collars Run 115 Vis 55  
 Bottom Packer Depth 3478 Wt. Pipe Run          WL 8  
 Total Depth 3520 Chlorides 1,000 ppm System LCM 1#

Blow Description IF - Slowly built to 2"  
ISI - No blow  
FP - Slowly built to 1"  
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>75'</u>	<u>WM</u>			<u>20%</u>	<u>80%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 75' BHT 101° Gravity          API RW .51 @ 34 °F Chlorides 22,000 ppm

(A) Initial Hydrostatic 1739  Test 1150 T-On Location 0005  
 (B) First Initial Flow 26  Jars          T-Started 0015  
 (C) First Final Flow 45  Safety Joint          T-Open 0337  
 (D) Initial Shut-In 451  Circ Sub          T-Pulled 0537  
 (E) Second Initial Flow 47  Hourly Standby          T-Out 0845  
 (F) Second Final Flow 58  Mileage 124 RT 192.20 Comments           
 (G) Final Shut-In 444  Sampler           
 (H) Final Hydrostatic 1708  Straddle           
 Ruined Shale Packer         

Initial Open 30  Shale Packer           
 Initial Shut-In 30  Extra Packer           
 Final Flow 30  Extra Recorder          Sub Total 0  
 Final Shut-In 30  Day Standby          Total 1342.20  
 Accessibility          MP/DST Disc't           
 Sub Total 1342.20

Approved By          Our Representative Brannan L

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