



Confidentiality Requested:

Yes  No

# KANSAS CORPORATION COMMISSION 1250918 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: \_\_\_\_\_



1250918

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

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. _____	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# GLOBAL CEMENTING, L.L.C.

1556

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT: RUSSELL, KS

DATE <u>12-10-2014</u>	SEC. <u>23</u>	TWP. <u>15S</u>	RANGE <u>23W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>LN</u>	WELL #. <u>23-2</u>	LOCATION			COUNTY <u>TREGO</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR WHITE KNIGHT

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 221'

CASING SIZE 8 5/8" DEPTH 221'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS

DISPLACEMENT

OWNER

CEMENT AMOUNT ORDERED 150 SY W/3% CC + 2% GEL

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

EQUIPMENT

PUMP TRUCK CEMENTER BRAD

# P1 HELPER BUO

BULK TRUCK DRIVER MARK

# B3

BULK TRUCK DRIVER

#

REMARKS:

RUN 5 JOINTS CASING - PUT ON SURFACE -  
CIRCULATE MUD - PUMP 150 SY CEMENT -  
DISPLACE W/ 12.75 BBL H2O - CEMENT  
DID CIRCULATE TO SURFACE

CHARGE TO: STRATAKAN EXPLORATION

STREET

CITY STATE ZIP

Global Cementing, L.L.C.,  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist 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 "GENERAL TERMS AND CONDITIONS" listed on the reverse side. THANK YOU!

PRINTED NAME

SIGNATURE Terry Austin

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

# GLOBAL CEMENTING, L.L.C.

1568

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE <u>12-18-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>LN</u>	WELL #. <u>23-2</u>	LOCATION			COUNTY <u>Trego</u>	STATE <u>KS</u>	<u>7:30pm</u>
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR White Knight  
 TYPE OF JOB Rotary Plug  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

EQUIPMENT  
 PUMP TRUCK CEMENTER Heath  
 # 01 HELPER Bud  
 BULK TRUCK  
 # B4 DRIVER Jason  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 240sx 60/40 4% gel  
11/10/16

COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

REMARKS:

1st Plug @ 1750' = 50sx  
2nd Plug @ 830' = 100sx  
3rd Plug @ 275' = 50sx come out of hole and top off with 100sx and dry hole plug  
RH = 30sx

CHARGE TO: Stratoken  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Global Cementing, L.L.C.,  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist 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 "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME \_\_\_\_\_  
 SIGNATURE [Signature]

SERVICE

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_  
Dry hole plug @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



## DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration, LLC**

204 W Mill St  
Plainville, KS 67663

ATTN: Chris Bean

**LN #23-2**

**23-15s-23w Trego,KS**

Start Date: 2014.12.15 @ 08:12:46

End Date: 2014.12.15 @ 16:59:16

Job Ticket #: 58422                      DST #: 1

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

Printed: 2014.12.19 @ 11:03:05



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

StrataKan Exploration, LLC

**23-15s-23w Trego,KS**

204 W Mill St  
Plainville, KS 67663

**LN #23-2**

Job Ticket: 58422

**DST#: 1**

ATTN: Chris Bean

Test Start: 2014.12.15 @ 08:12:46

## GENERAL INFORMATION:

Formation: **KC "D"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:06:46  
 Time Test Ended: 16:59:16  
 Interval: **3774.00 ft (KB) To 3800.00 ft (KB) (TVD)**  
 Total Depth: 3800.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brannan Lonsdale  
 Unit No: 62  
 Reference Elevations: 2335.00 ft (KB)  
 2331.00 ft (CF)  
 KB to GR/CF: 4.00 ft

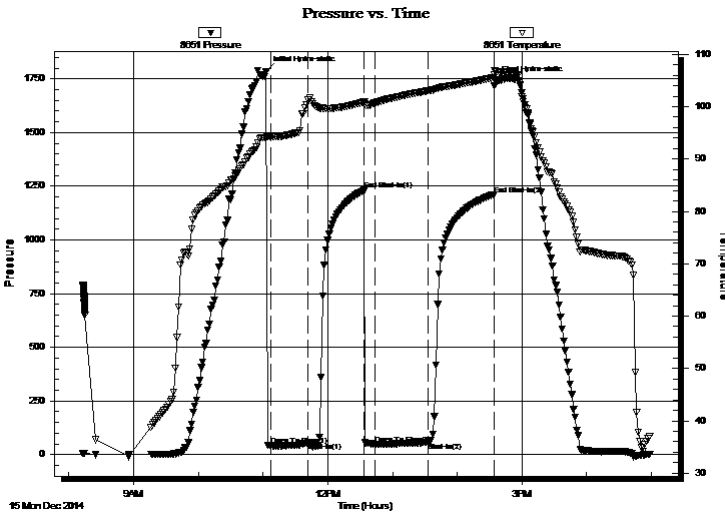
## Serial #: 8651

Inside

Press@RunDepth: 56.60 psig @ 3775.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.12.15 End Date: 2014.12.15 Last Calib.: 2014.12.15  
 Start Time: 08:12:47 End Time: 16:59:16 Time On Btm: 2014.12.15 @ 11:03:16  
 Time Off Btm: 2014.12.15 @ 14:34:46

TEST COMMENT: 45- IF- Slow ly built to 2"  
 45- IS- No blow  
 60- FF- Slow ly built to 1"  
 60- FS- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1787.15	94.37	Initial Hydro-static
4	42.25	94.27	Open To Flow (1)
39	55.43	101.37	Shut-In(1)
91	1231.66	100.92	End Shut-In(1)
101	49.39	100.71	Open To Flow (2)
150	56.60	103.04	Shut-In(2)
211	1211.76	105.54	End Shut-In(2)
212	1743.94	106.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	MW, 30%M 70%W	0.14

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

StrataKan Exploration, LLC

**23-15s-23w Trego, KS**

204 W Mill St  
Plainville, KS 67663

**LN #23-2**

Job Ticket: 58422

**DST#: 1**

ATTN: Chris Bean

Test Start: 2014.12.15 @ 08:12:46

## Tool Information

Drill Pipe:	Length: 3771.00 ft	Diameter: 3.75 inches	Volume: 51.51 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 37000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3774.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	53.00 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			3748.00	
Shut In Tool	5.00			3753.00	
Hydraulic tool	5.00			3758.00	
Jars	5.00			3763.00	
Safety Joint	2.00			3765.00	
Packer	5.00			3770.00	27.00 Bottom Of Top Packer
Packer	4.00			3774.00	
Stubb	1.00			3775.00	
Recorder	0.00	8651	Inside	3775.00	
Recorder	0.00	8655	Outside	3775.00	
Perforations	22.00			3797.00	
Bullnose	3.00			3800.00	26.00 Bottom Packers & Anchor

**Total Tool Length: 53.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

StrataKan Exploration, LLC

**23-15s-23w Trego, KS**

204 W Mill St  
Plainville, KS 67663

**LN #23-2**

Job Ticket: 58422

**DST#: 1**

ATTN: Chris Bean

Test Start: 2014.12.15 @ 08:12:46

### 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:

46000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	MW, 30%M 70%W	0.137

Total Length: 10.00 ft      Total Volume: 0.137 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



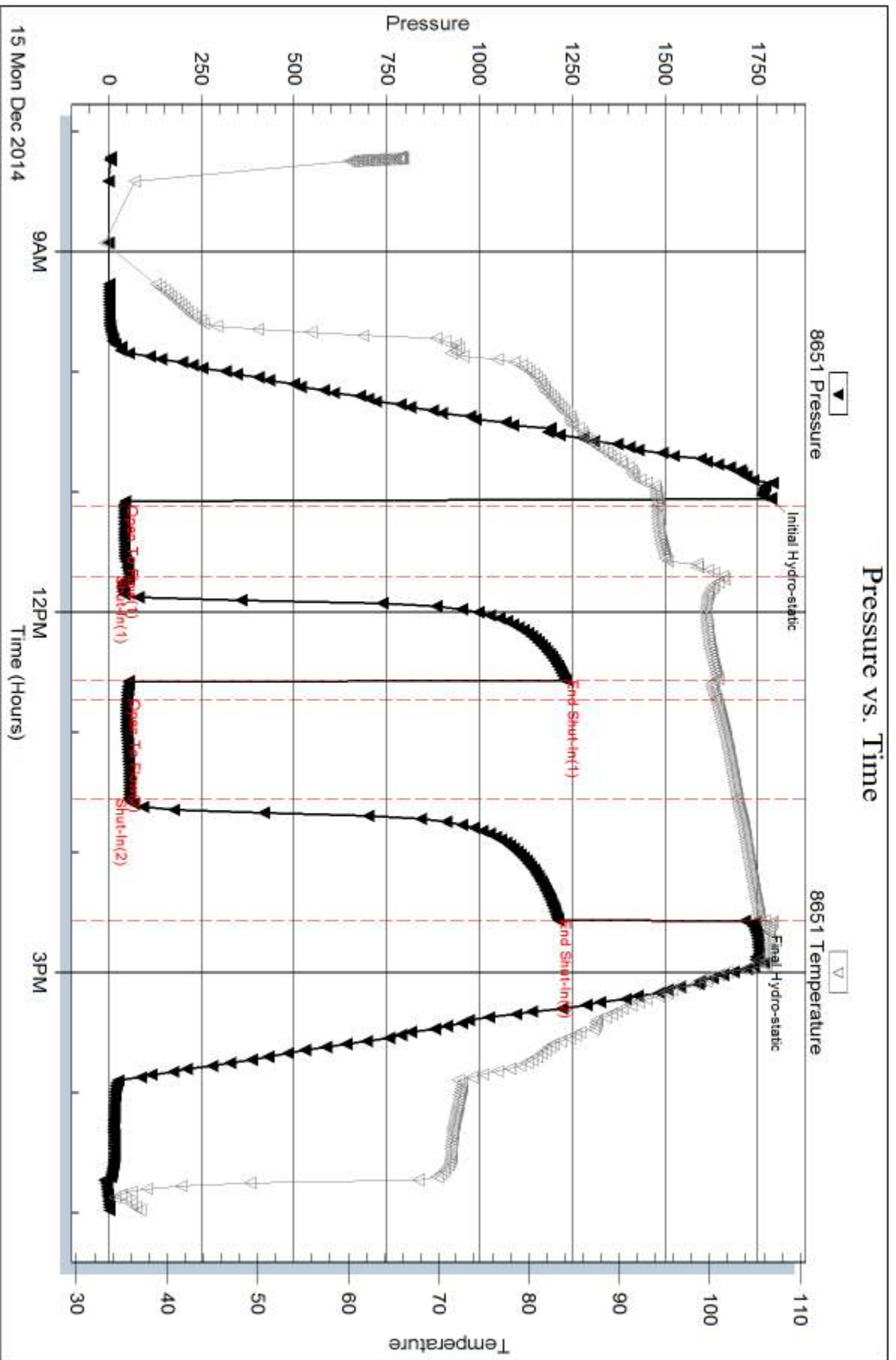
Serial #: 8651

Inside

StrataKan Exploration, LLC

LN#23-2

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration, LLC**

204 W Mill St  
Plainville, KS 67663

ATTN: Chris Bean

**LN #23-2**

**23-15s-23w Trego,KS**

Start Date: 2014.12.17 @ 04:32:30

End Date: 2014.12.17 @ 13:07:30

Job Ticket #: 58423                      DST #: 2

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

Printed: 2014.12.19 @ 11:02:39



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

StrataKan Exploration, LLC

**23-15s-23w Trego, KS**

204 W Mill St  
Plainville, KS 67663

**LN #23-2**

Job Ticket: 58423

**DST#: 2**

ATTN: Chris Bean

Test Start: 2014.12.17 @ 04:32:30

## GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:11:30

Time Test Ended: 13:07:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

**Interval: 4219.00 ft (KB) To 4302.00 ft (KB) (TVD)**

Reference Elevations: 2335.00 ft (KB)

Total Depth: 4302.00 ft (KB) (TVD)

2331.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

**Serial #: 8655 Outside**

Press@RunDepth: 95.45 psig @ 4220.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.17

End Date:

2014.12.17

Last Calib.:

2014.12.17

Start Time: 04:32:31

End Time:

13:07:30

Time On Btm:

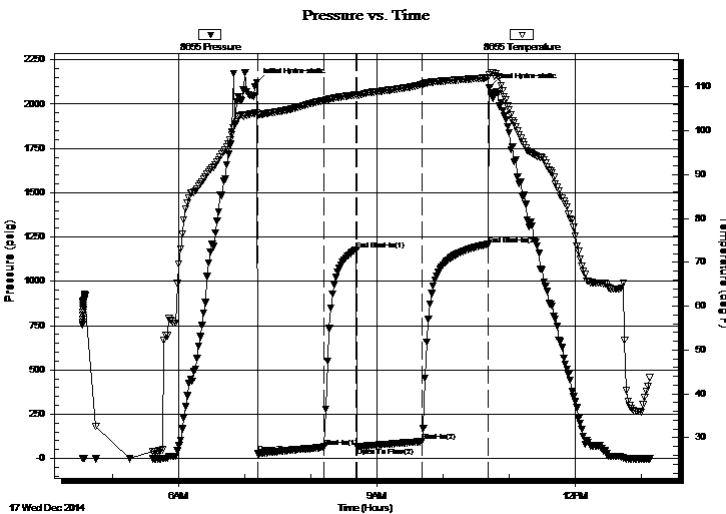
2014.12.17 @ 07:10:30

Time Off Btm:

2014.12.17 @ 10:42:00

**TEST COMMENT:** 60- IF- Slow ly built to 7"  
30- IS- No blow  
60- FF- Slow ly built to 3"  
60- FS- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2121.41	104.04	Initial Hydro-static
1	26.58	103.59	Open To Flow (1)
61	63.04	106.90	Shut-In(1)
91	1177.16	108.20	End Shut-In(1)
92	65.49	108.06	Open To Flow (2)
151	95.45	110.57	Shut-In(2)
210	1208.00	112.12	End Shut-In(2)
212	2093.01	112.79	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
140.00	SWSOCM, 1%W 9%O 90%M	1.91
10.00	CO	0.14

## 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

**23-15s-23w Trego, KS**

204 W Mill St  
Plainville, KS 67663

**LN #23-2**

Job Ticket: 58423

**DST#: 2**

ATTN: Chris Bean

Test Start: 2014.12.17 @ 04:32:30

## Tool Information

Drill Pipe:	Length: 4209.00 ft	Diameter: 3.75 inches	Volume: 57.50 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	4219.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.00 ft			
Tool Length:	110.00 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			4193.00	
Shut In Tool	5.00			4198.00	
Hydraulic tool	5.00			4203.00	
Jars	5.00			4208.00	
Safety Joint	2.00			4210.00	
Packer	5.00			4215.00	27.00 Bottom Of Top Packer
Packer	4.00			4219.00	
Stubb	1.00			4220.00	
Recorder	0.00	8651	Inside	4220.00	
Recorder	0.00	8655	Outside	4220.00	
Perforations	17.00			4237.00	
Change Over Sub	1.00			4238.00	
Drill Pipe	60.00			4298.00	
Change Over Sub	1.00			4299.00	
Bullnose	3.00			4302.00	83.00 Bottom Packers & Anchor

**Total Tool Length: 110.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

StrataKan Exploration, LLC

**23-15s-23w Trego,KS**

204 W Mill St  
Plainville, KS 67663

**LN #23-2**

Job Ticket: 58423

**DST#: 2**

ATTN: Chris Bean

Test Start: 2014.12.17 @ 04:32:30

### 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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 10000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	SWSOCM, 1%W 9%O 90%M	1.912
10.00	CO	0.137

Total Length: 150.00 ft

Total Volume: 2.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

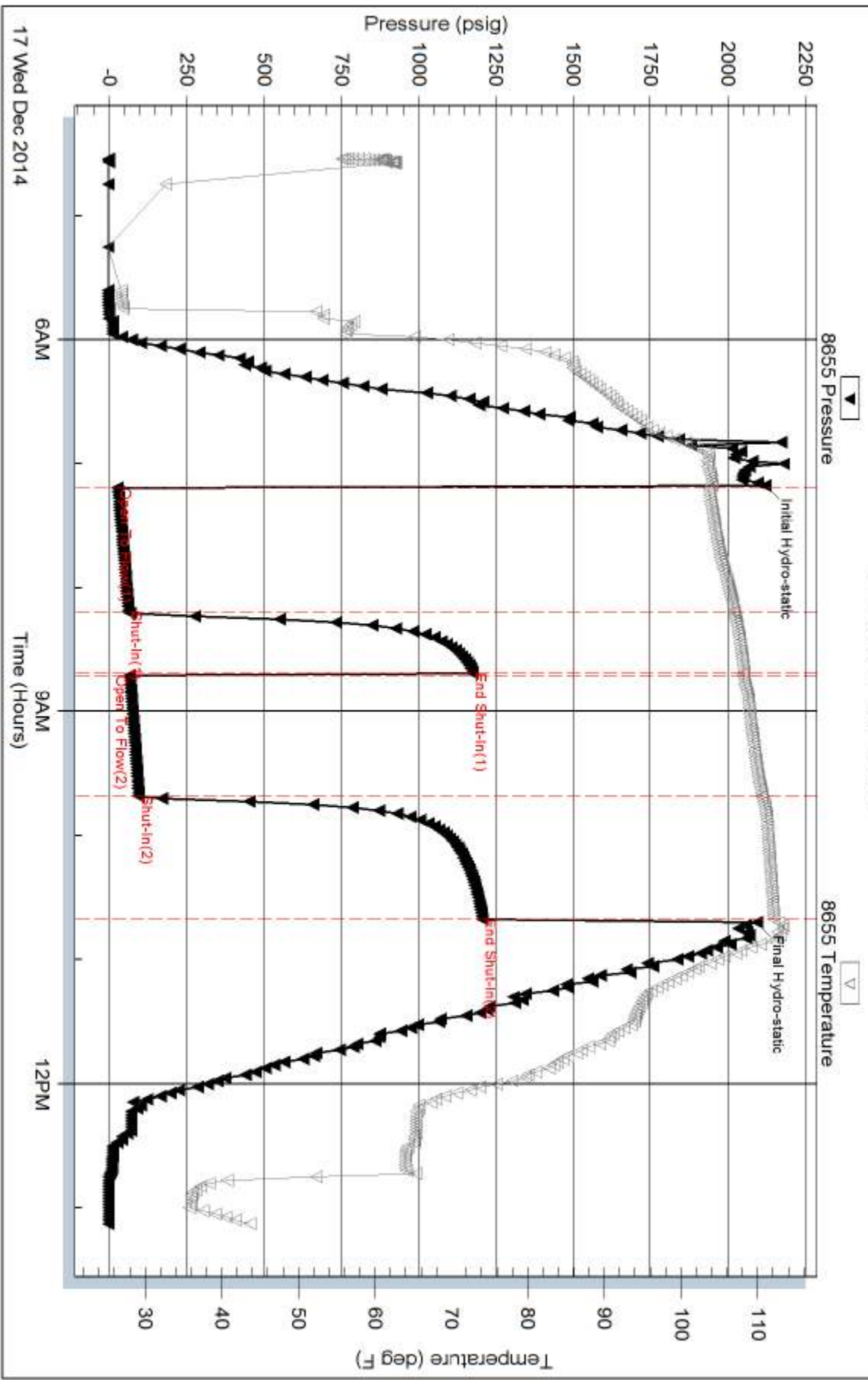
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



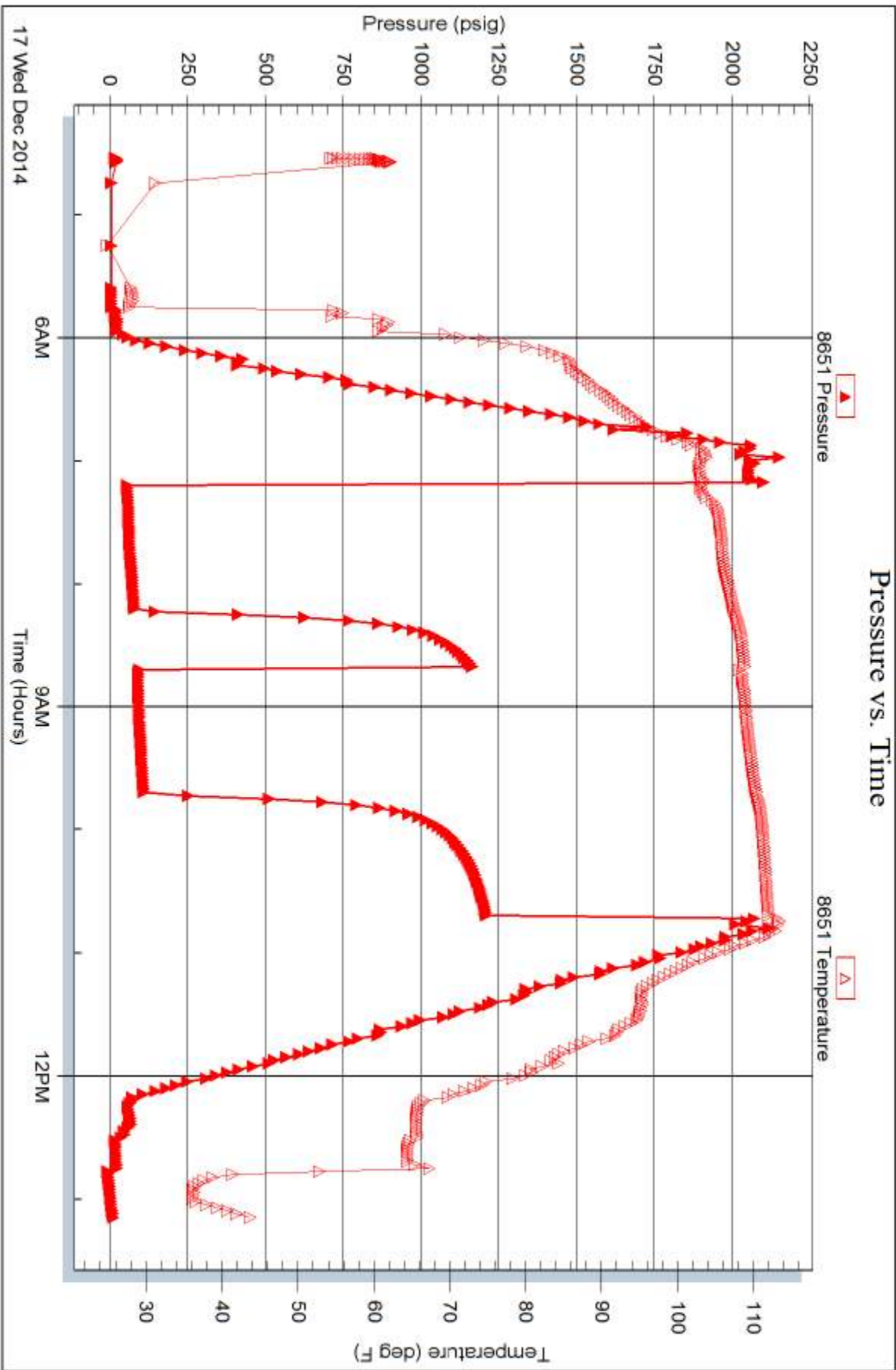
Serial #: 8651

Inside

StrataKan Exploration, LLC

LN#23-2

DST Test Number: 2

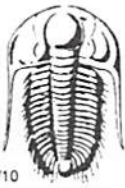


Trilobite Testing, Inc

Ref. No: 58423

Printed: 2014.12.19 @ 11:02:40





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 58422

Well Name & No. LN # 23-2 Test No. 1 Date 12/15/14  
 Company StrataKan Exploration, LLC Elevation 2335 KB 2331 GL  
 Address 204 W Mill St. Plainville, KS 67663  
 Co. Rep / Geo. Chris Bean Rig White Knight  
 Location: Sec. 23 Twp. 15 S Rge. 23 W Co. Trego State KS

Interval Tested 3774-3800 Zone Tested KC-"D"  
 Anchor Length 26' Drill Pipe Run 3771 Mud Wt. 8.7  
 Top Packer Depth 3769 Drill Collars Run — Vis 58  
 Bottom Packer Depth 3774 Wt. Pipe Run — WL 8.0  
 Total Depth 3800 Chlorides 5,000 ppm System LCM D#  
 Blow Description IF - Slowly built to 2"  
ISF - No blow  
FF - Slowly built to 1"  
FSF - No blow

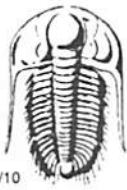
Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>MW</u>			<u>70</u>	<u>30</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10' BHT 106° Gravity — API RW 30 @ 35 F Chlorides 46,000 ppm

(A) Initial Hydrostatic <u>1787</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0758</u>
(B) First Initial Flow <u>42</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0813</u>
(C) First Final Flow <u>55</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1104</u>
(D) Initial Shut-In <u>1232</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1434</u>
(E) Second Initial Flow <u>49</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1700</u>
(F) Second Final Flow <u>57</u>	<input checked="" type="checkbox"/> Mileage <u>128 RT</u> 198.40	Comments
(G) Final Shut-In <u>1212</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1744</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>45</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>60</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1923.40</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1923.40</u>	

Approved By \_\_\_\_\_ Our Representative Brannan Lonsdale

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. 58423

Well Name & No. LN #23-2 Test No. 2 Date 12/17/14  
 Company Stratikan Exploration, LLC Elevation 2335 KB 2331 GL  
 Address 204 W Moll St. Plainville, KS 67663  
 Co. Rep / Geo. Chris Bean Rig White Knight  
 Location: Sec. 23 Twp. 15 S Rge. 23 W Co. Trego State KS

Interval Tested 4219 - 4302 Zone Tested Cherokee Sand  
 Anchor Length 83' Drill Pipe Run 4209 Mud Wt. 9.3  
 Top Packer Depth 4214 Drill Collars Run --- Vis 47  
 Bottom Packer Depth 4219 Wt. Pipe Run --- WL 9.2  
 Total Depth 4302 Chlorides 10000 ppm System LCM 2#  
 Blow Description IF - Slowly built to 7"  
ISF - No Blow  
FF - Slowly built to 3"  
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>140</u>	<u>SWSDCM</u>		<u>9</u>	<u>1</u>	<u>90</u>
<u>10</u>	<u>CO</u>				

Rec Total 150' BHT 112° Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2121</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>0715</u>
(B) First Initial Flow <u>27</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0432</u>
(C) First Final Flow <u>63</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0711</u>
(D) Initial Shut-In <u>1177</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1041</u>
(E) Second Initial Flow <u>65</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>1309</u>
(F) Second Final Flow <u>95</u>	<input checked="" type="checkbox"/> Mileage <u>128 RT x2</u>	Comments <u>Loaded tools</u>
(G) Final Shut-In <u>1208</u>	<input type="checkbox"/> Sampler <u>396.80</u>	<u>12/18 @ 0830</u>
(H) Final Hydrostatic <u>2093</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>60</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>375</u>
Final Flow <u>60</u>	<input checked="" type="checkbox"/> Day Standby <u>1d 11.25h</u>	Total <u>2596.80</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>2221.80</u>	

Approved By \_\_\_\_\_ Our Representative Brannan Lonsdale

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## Structural Position Chart

LN 23-2 N/2 Section 23 15s-23w, 2000' FNL 710' FEL Objective: Mississippian, Cherokee, Ft Scott, Lansing? Elevation KB=2335'

Final	Structure Final ELOG								
Formation	StrataKan Exploration LN23-1		Coral Coast Pet #1 Joan	LN 23-2 DRILLING		Position R1	Position R2		
Stone Corral	1681	+605	1732	+633	1724	+611	6+	-22	
Topeka	3396	-1110	Not Called		3439	-1104	6+	no	
Heebner	3654	-1368	3723	-1358	3702	-1367	1+	-9	
Toronto	3670	-1384	3743	-1378	3720	-1385		-1	-7
Lansing	3690	-1404	3760	-1395	3736	-1401	3+		-6
BKC	3981	-1695	4026	-1661	4026	-1691	4+		-30
Pawnee	4060	-1774	4130	-1765	4108	-1773	1+		-8
Fort Scott	4157	-1871	4222	-1857	4202	-1867	4+		-10
Cherokee Shale	4176	-1890	4242	-1877	4224	-1889	1+		-11
Cherokee Sand	4224	-1938	4308	-1943	4250	-1915	23+		28+
Conglomerate	Not Present		Not Present		Not Present		no		no
Mississippian	4240	-1954	4328	-1963	4288	-1953	1+		10+

