



## DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration, LLC**

100 S Main  
Plainville, KS 67663

ATTN: Jason Alm

### **Gaskill-Bertrand 5-1**

### **5-12s-33w Logan.KS**

Start Date: 2017.09.14 @ 05:40:00

End Date: 2017.09.14 @ 12:06:15

Job Ticket #: 64224                      DST #: 1

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

Printed: 2017.09.18 @ 14:45:18



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Stratakan Exploration, LLC

**5-12s-33w Logan.KS**

100 S Main  
Plainville, KS 67663

**Gaskill-Bertrand 5-1**

ATTN: Jason Alm

Job Ticket: 64224

**DST#: 1**

Test Start: 2017.09.14 @ 05:40:00

## GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:19:45

Time Test Ended: 12:06:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 78

**Interval: 4290.00 ft (KB) To 4350.00 ft (KB) (TVD)**

Reference Elevations: 3172.00 ft (KB)

Total Depth: 4350.00 ft (KB) (TVD)

3167.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8845 Outside**

Press@RunDepth: 40.49 psig @ 4291.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.09.14

End Date:

2017.09.14

Last Calib.: 2017.09.14

Start Time: 05:40:05

End Time:

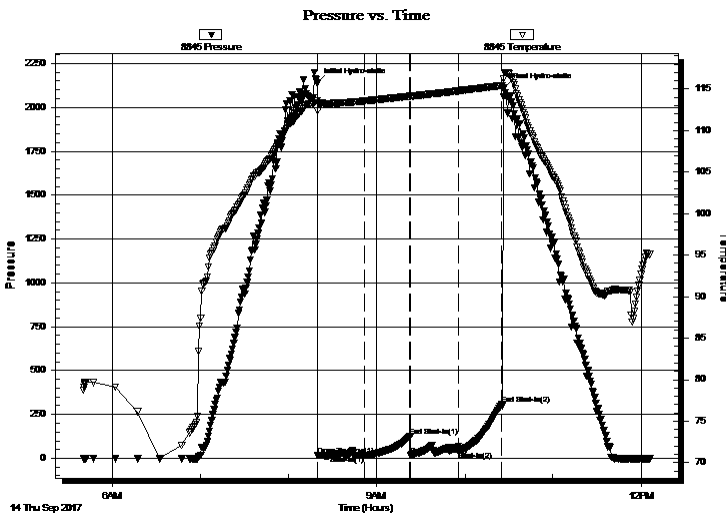
12:06:14

Time On Btm: 2017.09.14 @ 08:19:15

Time Off Btm: 2017.09.14 @ 10:27:00

TEST COMMENT: IF: 1/2" blow.  
IS: No return.  
FF: No blow.  
FS: No return.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.76	113.64	Initial Hydro-static
1	17.13	112.37	Open To Flow (1)
33	16.92	113.55	Shut-In(1)
63	124.90	114.13	End Shut-In(1)
64	17.29	114.14	Open To Flow (2)
97	40.49	114.77	Shut-In(2)
126	307.93	115.42	End Shut-In(2)
128	2112.21	117.00	Final Hydro-static

## Recovery

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

## Gas Rates

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



# TRILOBITE TESTING, INC.

## DRILL STEM TEST REPORT

Stratakan Exploration, LLC

**5-12s-33w Logan.KS**

100 S Main  
Plainville, KS 67663

**Gaskill-Bertrand 5-1**

ATTN: Jason Alm

Job Ticket: 64224

**DST#: 1**

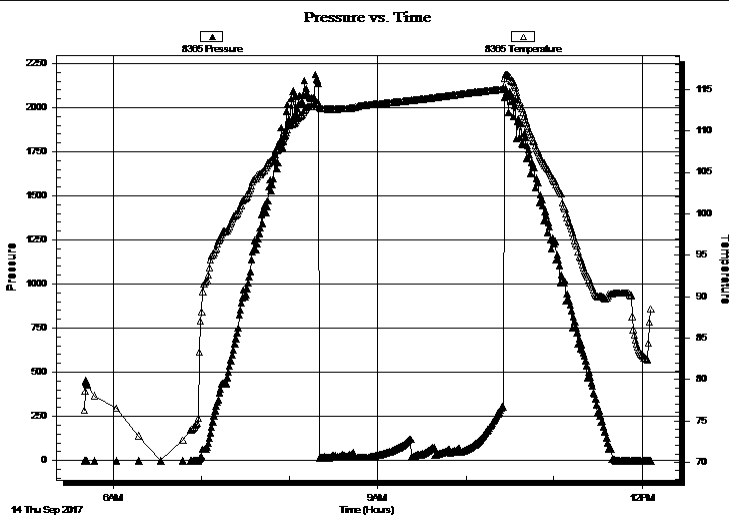
Test Start: 2017.09.14 @ 05:40:00

### GENERAL INFORMATION:

Formation: **LKC I-J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:19:45  
 Time Test Ended: 12:06:15  
 Interval: **4290.00 ft (KB) To 4350.00 ft (KB) (TVD)**  
 Total Depth: 4350.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Bradley Walter  
 Unit No: 78  
 Reference Elevations: 3172.00 ft (KB)  
 3167.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8365** Inside  
 Press@RunDepth: psig @ 4291.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.09.14 End Date: 2017.09.14 Last Calib.: 2017.09.14  
 Start Time: 05:40:05 End Time: 12:06:14 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF: 1/2" blow.  
 IS: No return.  
 FF: No blow.  
 FS: No return.



### PRESSURE SUMMARY

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

### Recovery

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

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Stratakan Exploration, LLC

**5-12s-33w Logan.KS**

100 S Main  
Plainville, KS 67663

**Gaskill-Bertrand 5-1**

Job Ticket: 64224

**DST#: 1**

ATTN: Jason Alm

Test Start: 2017.09.14 @ 05:40:00

## Tool Information

Drill Pipe:	Length: 4155.00 ft	Diameter: 3.80 inches	Volume: 58.28 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 58.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4290.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	80.00 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			4271.00	
Shut In Tool	5.00			4276.00	
Hydraulic tool	5.00			4281.00	
Packer	5.00			4286.00	20.00 Bottom Of Top Packer
Packer	4.00			4290.00	
Stubb	1.00			4291.00	
Recorder	0.00	8365	Inside	4291.00	
Recorder	0.00	8845	Outside	4291.00	
Perforations	23.00			4314.00	
Change Over Sub	1.00			4315.00	
Drill Pipe	31.00			4346.00	
Change Over Sub	1.00			4347.00	
Bullnose	3.00			4350.00	60.00 Bottom Packers & Anchor

**Total Tool Length: 80.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stratakan Exploration, LLC

**5-12s-33w Logan.KS**

100 S Main  
Plainville, KS 67663

**Gaskill-Bertrand 5-1**

Job Ticket: 64224

**DST#: 1**

ATTN: Jason Alm

Test Start: 2017.09.14 @ 05:40:00

## 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:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100m (oil spots)	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

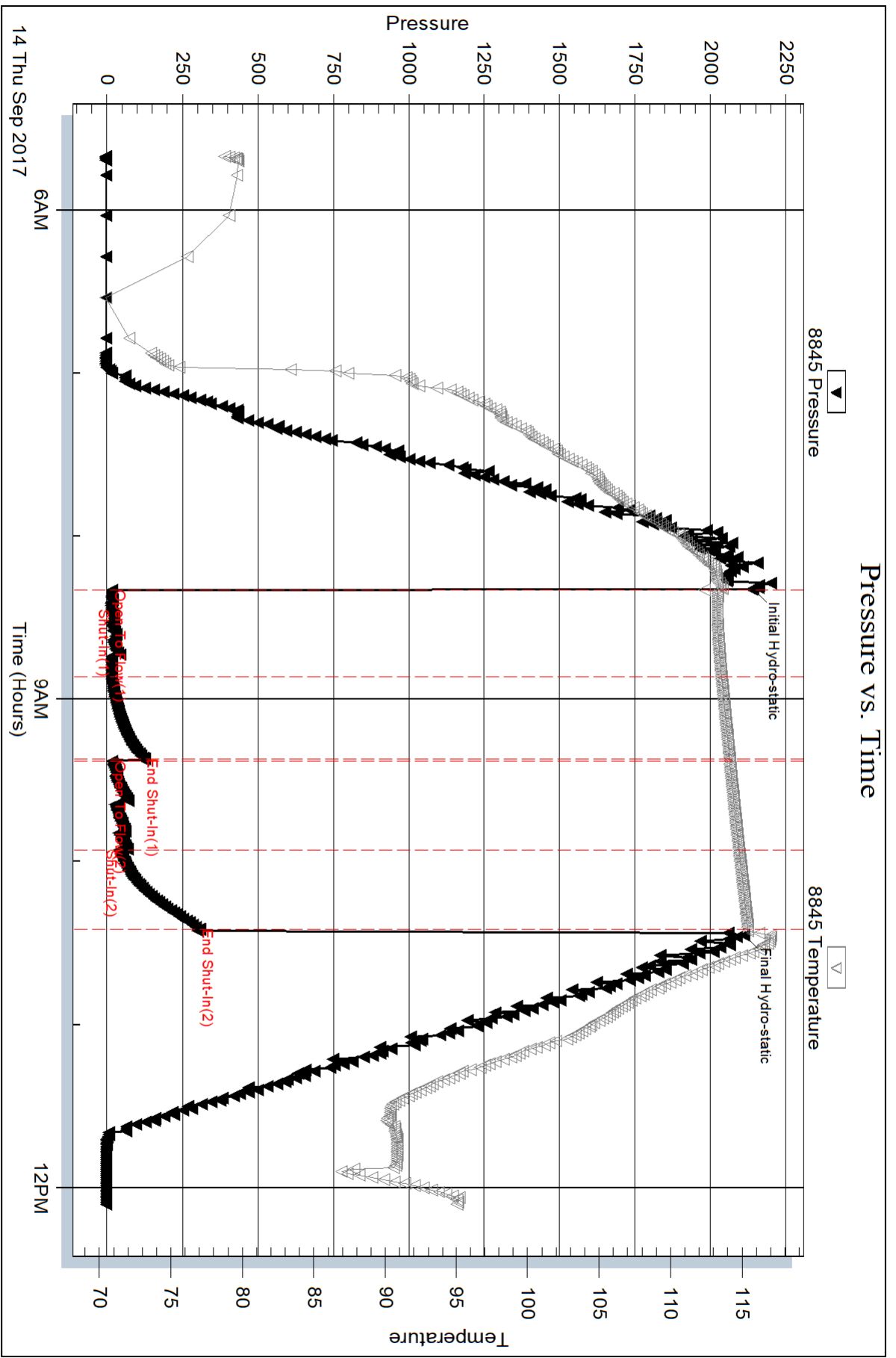
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



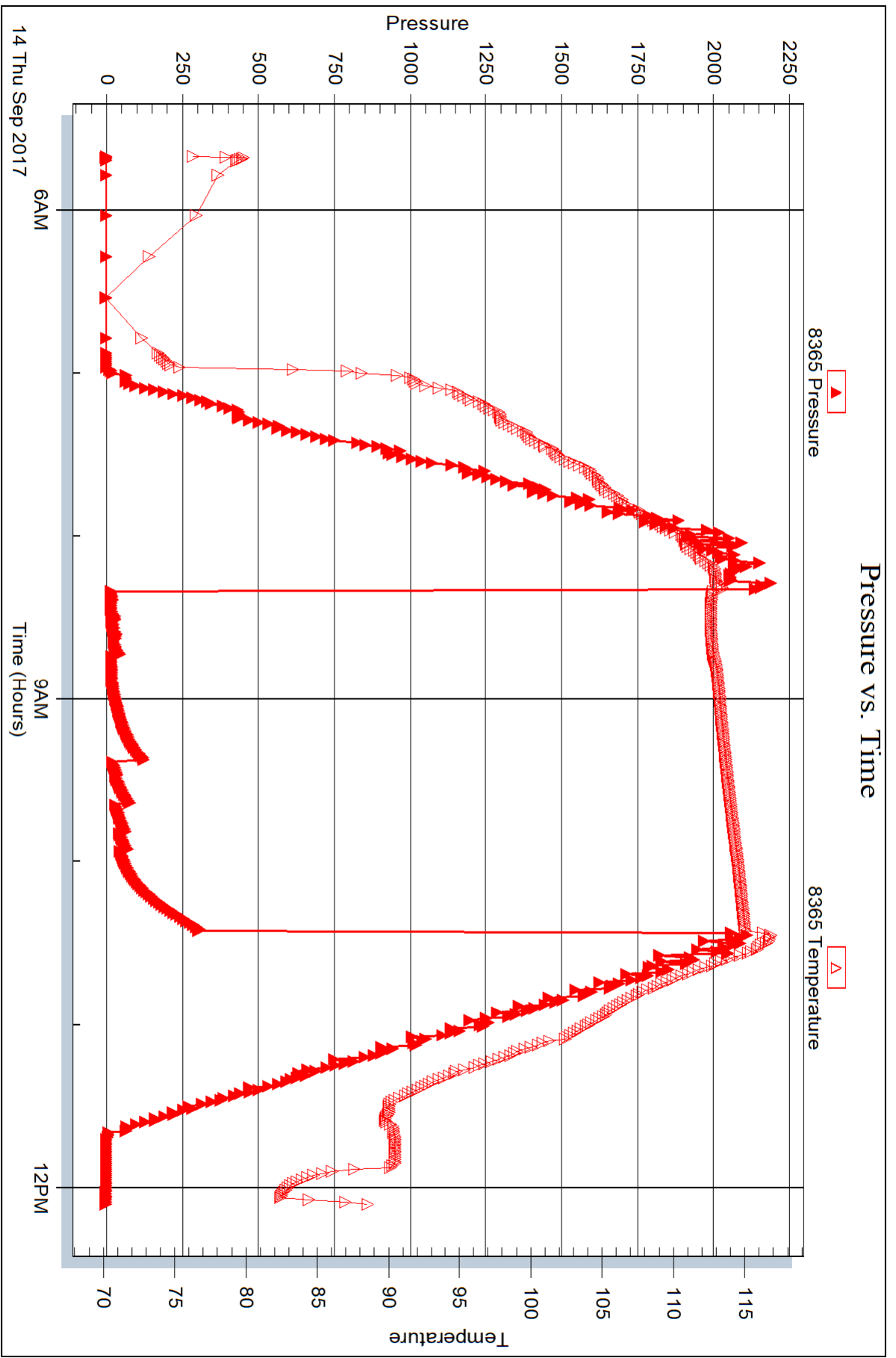
Serial #: 8365

Inside

Stratakan Exploration, LLC

Gaskill-Bertrand 5-1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration, LLC**

100 S Main  
Plainville, KS 67663

ATTN: Jason Alm

### **Gaskill-Bertrand 5-1**

### **5-12s-33w Logan.KS**

Start Date: 2017.09.15 @ 19:23:00

End Date: 2017.09.16 @ 01:56:15

Job Ticket #: 64225                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.09.18 @ 14:44:52





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Stratakan Exploration, LLC

**5-12s-33w Logan.KS**

100 S Main  
Plainville, KS 67663

**Gaskill-Bertrand 5-1**

ATTN: Jason Alm

Job Ticket: 64225

**DST#: 2**

Test Start: 2017.09.15 @ 19:23:00

## GENERAL INFORMATION:

Formation: **Ft Scott - Myric Sta**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:54:00

Time Test Ended: 01:56:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 4568.00 ft (KB) To 4625.00 ft (KB) (TVD)**

Reference Elevations: 3172.00 ft (KB)

Total Depth: 4625.00 ft (KB) (TVD)

3167.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8845**

**Outside**

Press@RunDepth: 22.62 psig @ 4569.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.09.15

End Date:

2017.09.16

Last Calib.:

2017.09.16

Start Time: 19:23:05

End Time:

01:56:14

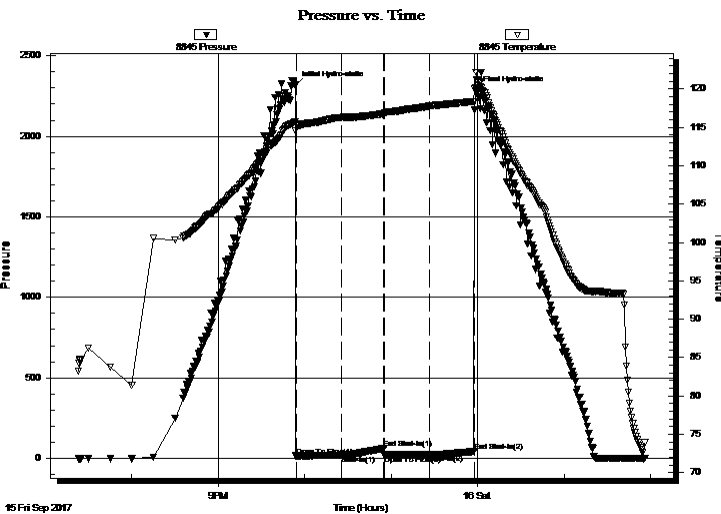
Time On Btm:

2017.09.15 @ 21:53:15

Time Off Btm:

2017.09.15 @ 23:59:15

**TEST COMMENT:** IF: 1" blow.  
IS: No return.  
FF: Surface blow.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2316.63	115.74	Initial Hydro-static
1	15.04	115.39	Open To Flow (1)
32	18.75	116.29	Shut-In(1)
62	61.36	116.76	End Shut-In(1)
62	19.86	116.87	Open To Flow (2)
93	22.62	117.76	Shut-In(2)
125	42.49	118.39	End Shut-In(2)
126	2280.51	121.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	ocm 10o 90m	0.07

\* 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

**5-12s-33w Logan.KS**

100 S Main  
Plainville, KS 67663

**Gaskill-Bertrand 5-1**

Job Ticket: 64225

**DST#: 2**

ATTN: Jason Alm

Test Start: 2017.09.15 @ 19:23:00

## Tool Information

Drill Pipe:	Length: 4441.00 ft	Diameter: 3.80 inches	Volume: 62.30 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: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 62.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4568.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	77.00 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			4549.00	
Shut In Tool	5.00			4554.00	
Hydraulic tool	5.00			4559.00	
Packer	5.00			4564.00	20.00 Bottom Of Top Packer
Packer	4.00			4568.00	
Stubb	1.00			4569.00	
Recorder	0.00	8365	Inside	4569.00	
Recorder	0.00	8845	Outside	4569.00	
Perforations	20.00			4589.00	
Change Over Sub	1.00			4590.00	
Drill Pipe	31.00			4621.00	
Change Over Sub	1.00			4622.00	
Bullnose	3.00			4625.00	57.00 Bottom Packers & Anchor

**Total Tool Length: 77.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stratakan Exploration, LLC

**5-12s-33w Logan.KS**

100 S Main  
Plainville, KS 67663

**Gaskill-Bertrand 5-1**

Job Ticket: 64225

**DST#: 2**

ATTN: Jason Alm

Test Start: 2017.09.15 @ 19:23:00

## 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:

0 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	ocm 10o 90m	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0

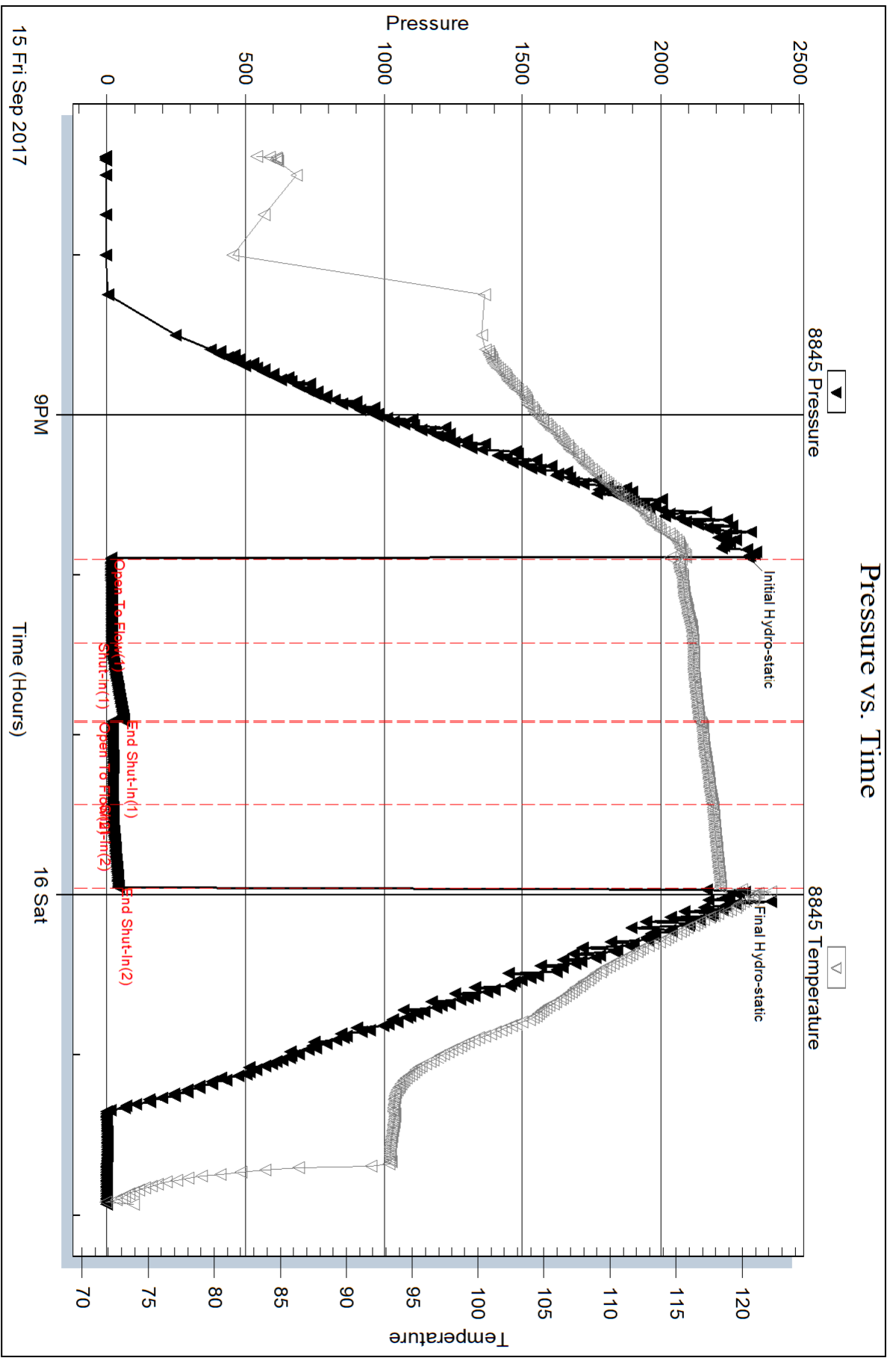
Num Gas Bombs: 0

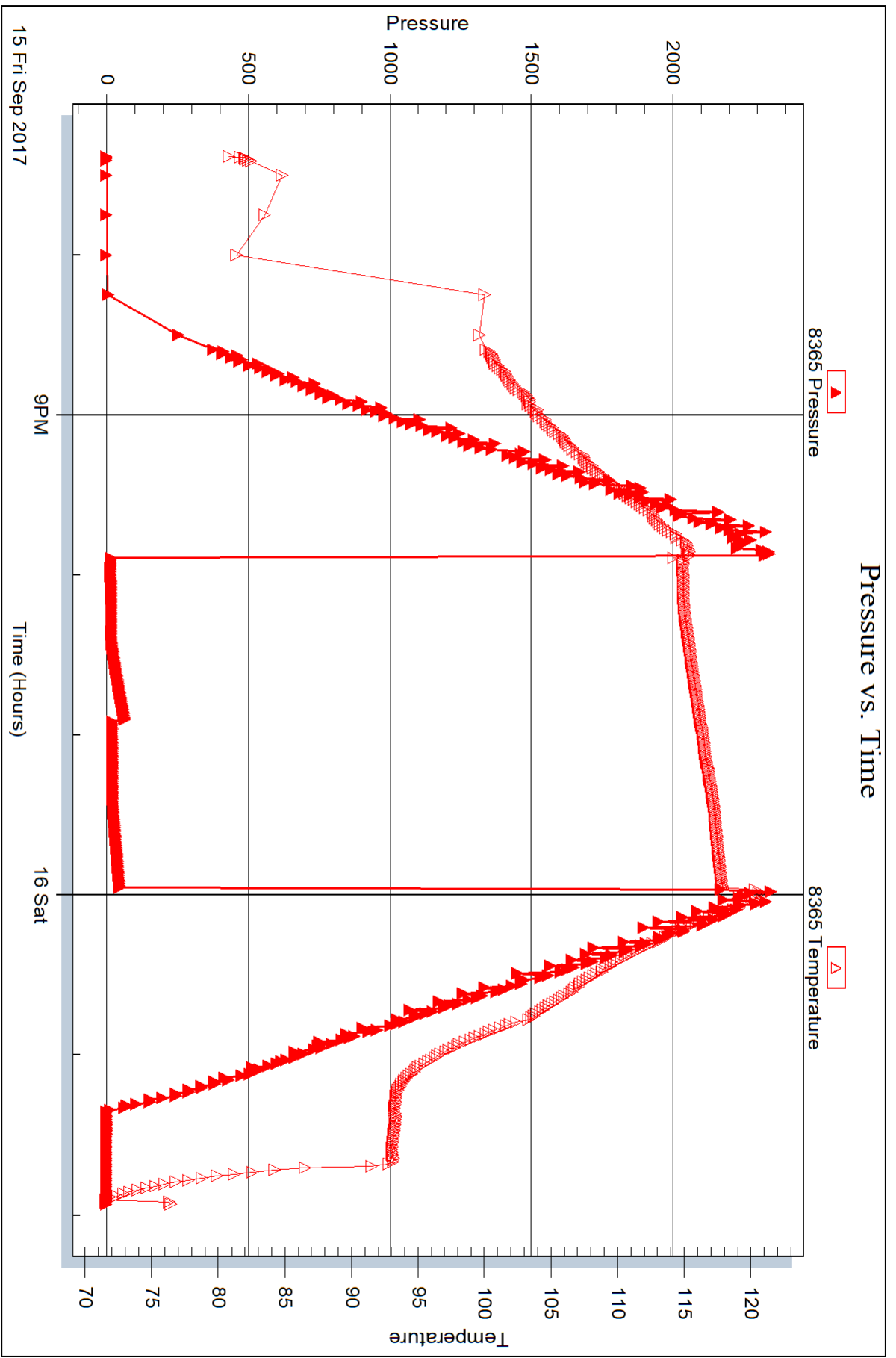
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Stratakan Exploration, LLC**

100 S Main  
Plainville, KS 67663

ATTN: Jason Alm

### **Gaskill-Bertrand 5-1**

### **5-12s-33w Logan.KS**

Start Date: 2017.09.16 @ 14:52:00

End Date: 2017.09.16 @ 23:41:30

Job Ticket #: 64684                      DST #: 3

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

Printed: 2017.09.18 @ 14:44:19



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Stratakan Exploration, LLC

**5-12s-33w Logan.KS**

100 S Main  
Plainville, KS 67663

**Gaskill-Bertrand 5-1**

ATTN: Jason Alm

Job Ticket: 64684

**DST#: 3**

Test Start: 2017.09.16 @ 14:52:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:16:45

Time Test Ended: 23:41:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 4545.00 ft (KB) To 4700.00 ft (KB) (TVD)**

Reference Elevations: 3172.00 ft (KB)

Total Depth: 4700.00 ft (KB) (TVD)

3167.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8845 Outside**

Press@RunDepth: 313.80 psig @ 4646.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.09.16

End Date: 2017.09.16

Last Calib.: 2017.09.16

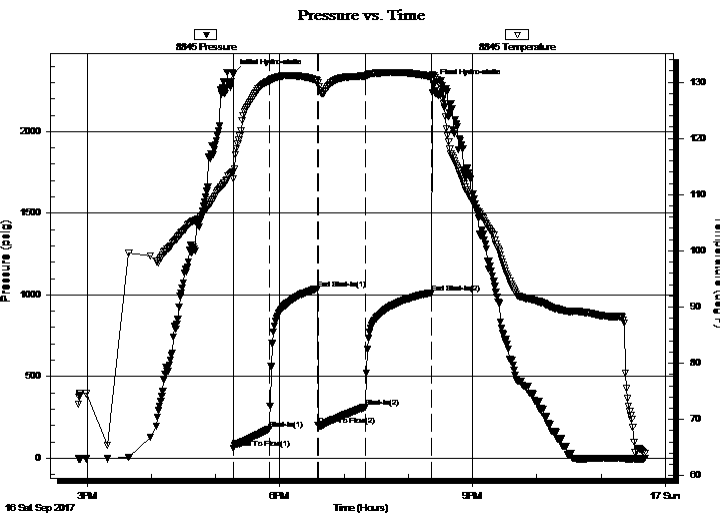
Start Time: 14:52:05

End Time: 23:41:30

Time On Btm: 2017.09.16 @ 17:16:30

Time Off Btm: 2017.09.16 @ 20:23:30

**TEST COMMENT:** IF: BOB @ 3 min.  
IS: BOB @ 15 min.  
FF: BOB @ open.  
FS: BOB @ 40 min. Gas to surface



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2352.16	114.10	Initial Hydro-static
1	61.49	112.85	Open To Flow (1)
34	178.05	130.14	Shut-In(1)
79	1038.48	130.30	End Shut-In(1)
80	203.51	129.90	Open To Flow (2)
124	313.80	131.10	Shut-In(2)
185	1013.59	130.98	End Shut-In(2)
187	2295.20	131.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 45g 25o 30m	0.60
780.00	go 40g 60o	10.94
0.00	Gas to Surface	0.00

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Stratakan Exploration, LLC

**5-12s-33w Logan.KS**

100 S Main  
Plainville, KS 67663

**Gaskill-Bertrand 5-1**

ATTN: Jason Alm

Job Ticket: 64684

**DST#: 3**

Test Start: 2017.09.16 @ 14:52:00

## GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:16:45

Time Test Ended: 23:41:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 78

**Interval: 4545.00 ft (KB) To 4700.00 ft (KB) (TVD)**

Reference Elevations: 3172.00 ft (KB)

Total Depth: 4700.00 ft (KB) (TVD)

3167.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8365 Inside**

Press@RunDepth: psig @ 4646.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2017.09.16

End Date:

2017.09.16

Last Calib.:

2017.09.16

Start Time: 14:52:05

End Time:

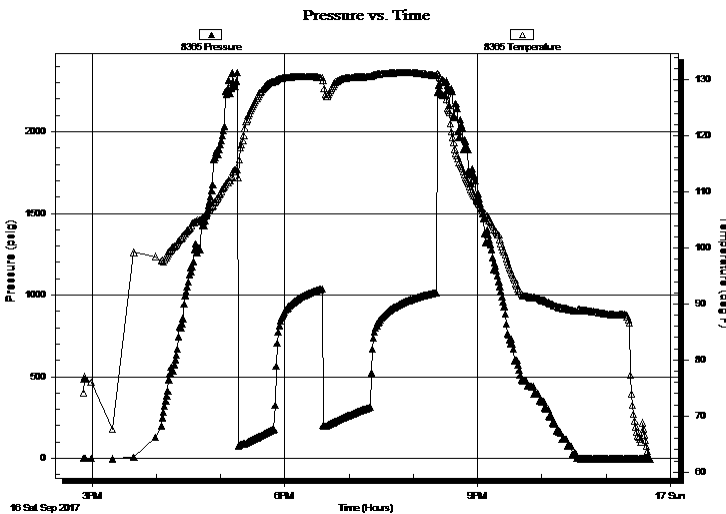
23:41:30

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: BOB @ 3 min.  
IS: BOB @ 15 min.  
FF: BOB @ open.  
FS: BOB @ 40 min. Gas to surface

## PRESSURE SUMMARY



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

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	gocm 45g 25o 30m	0.60
780.00	go 40g 60o	10.94
0.00	Gas to Surface	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

**5-12s-33w Logan.KS**

100 S Main  
Plainville, KS 67663

**Gaskill-Bertrand 5-1**

Job Ticket: 64684

**DST#: 3**

ATTN: Jason Alm

Test Start: 2017.09.16 @ 14:52:00

## Tool Information

Drill Pipe:	Length: 4535.00 ft	Diameter: 3.80 inches	Volume: 63.61 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: 2000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 64.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4645.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	75.00 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			4626.00	
Shut In Tool	5.00			4631.00	
Hydraulic tool	5.00			4636.00	
Packer	5.00			4641.00	20.00 Bottom Of Top Packer
Packer	4.00			4645.00	
Stubb	1.00			4646.00	
Recorder	0.00	8365	Inside	4646.00	
Recorder	0.00	8845	Outside	4646.00	
Perforations	18.00			4664.00	
Change Over Sub	1.00			4665.00	
Drill Pipe	31.00			4696.00	
Change Over Sub	1.00			4697.00	
Bullnose	3.00			4700.00	55.00 Bottom Packers & Anchor

**Total Tool Length: 75.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Stratakan Exploration, LLC

**5-12s-33w Logan.KS**

100 S Main  
Plainville, KS 67663

**Gaskill-Bertrand 5-1**

Job Ticket: 64684

**DST#: 3**

ATTN: Jason Alm

Test Start: 2017.09.16 @ 14:52:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gocm 45g 25o 30m	0.599
780.00	go 40g 60o	10.941
0.00	Gas to Surface	0.000

Total Length: 900.00 ft

Total Volume: 11.540 bbl

Num Fluid Samples: 0

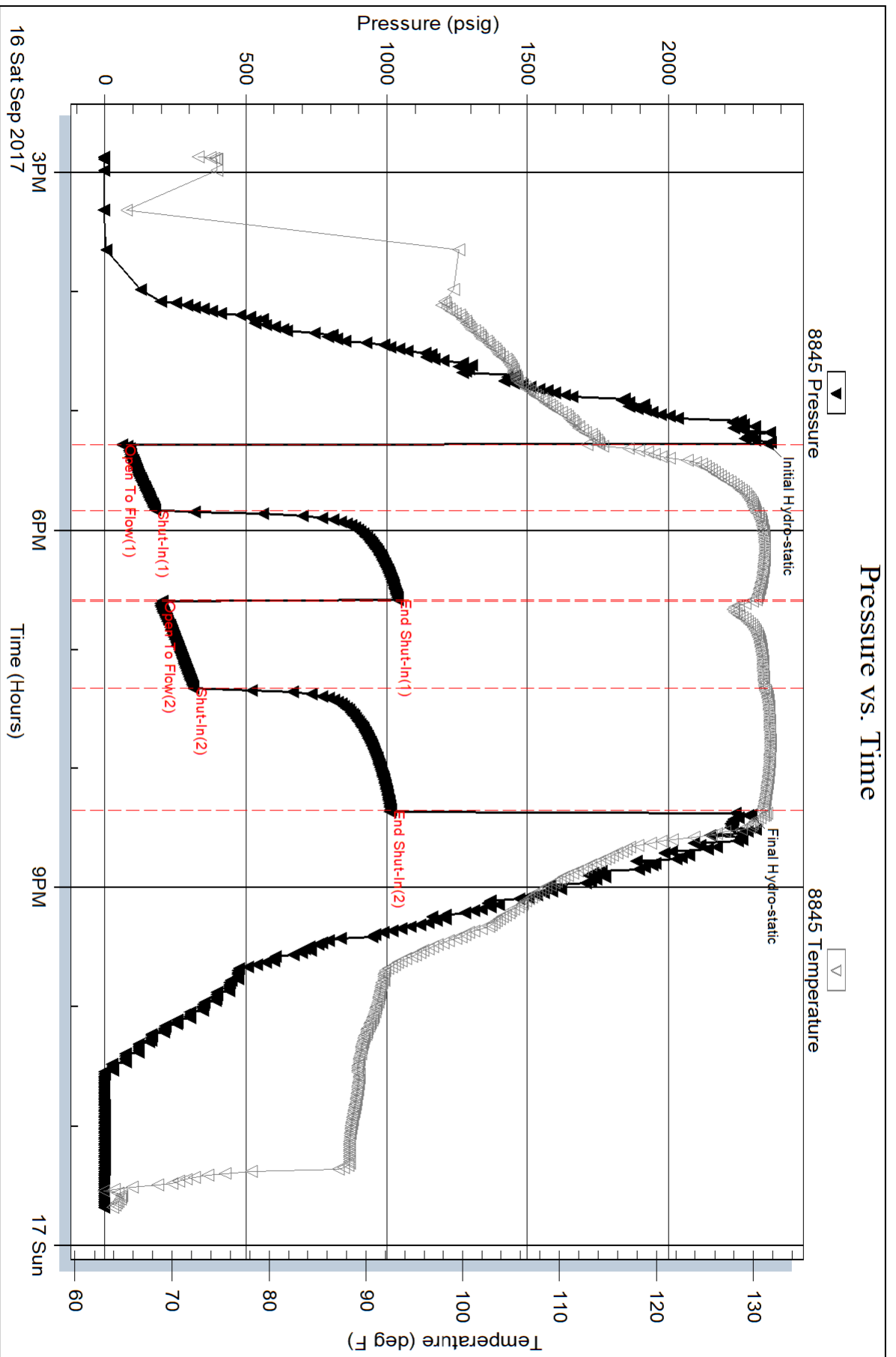
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



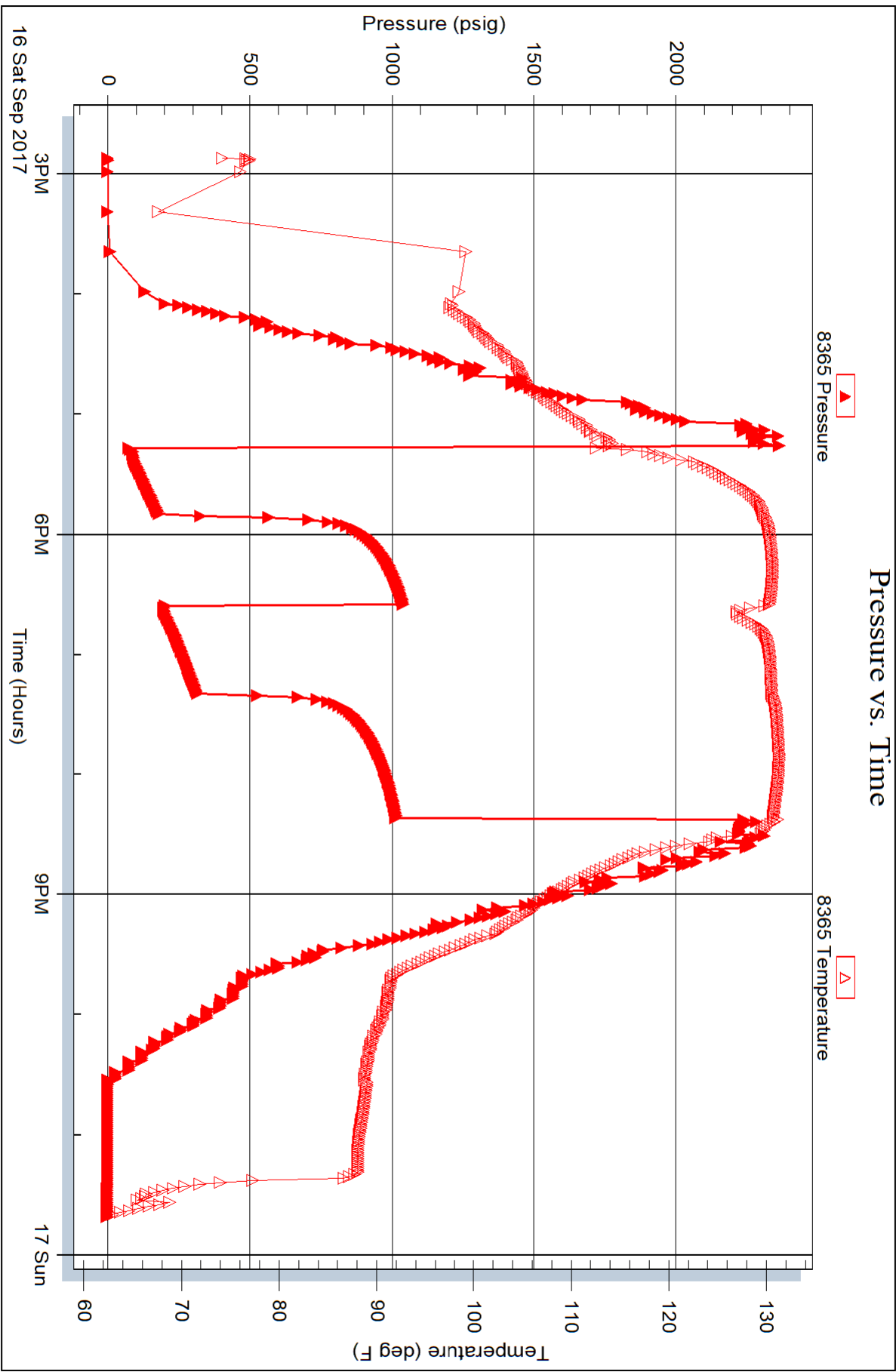
Serial #: 8365

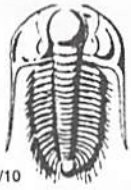
Inside

Stratakan Exploration, LLC

Gaskill-Bertrand 5-1

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **64224**

Well Name & No. Gaskill Range - Bertrand Unit #5-1 Test No. 1 Date 9/14/2017  
 Company Stratikan Exploration, LLC Elevation 3172 KB 3167 GL  
 Address 100 S Main Plainville, Ks 67663  
 Co. Rep / Geo. Jason T Alm Rig WW #2  
 Location: Sec. 5 Twp. 12S Rge. 33W Co. Logan State Ks

Interval Tested 4290 - 4350 Zone Tested LKC I-5  
 Anchor Length 60' Drill Pipe Run 4155 Mud Wt. 9.2  
 Top Packer Depth 4285 Drill Collars Run 119 Vis 52  
 Bottom Packer Depth 4290 Wt. Pipe Run 0 WL 58  
 Total Depth 4350 Chlorides 3500 ppm System LCM 1#  
 Blow Description IF 1/2" blow.  
IST No return  
PF No blow  
FSI No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mod v/OFL spots</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 115 Gravity — API RW — @ — °F Chlorides — ppm

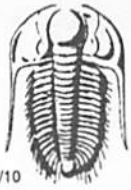
(A) Initial Hydrostatic 2142  Test 1150 T-On Location 0315  
 (B) First Initial Flow 17  Bars No T-Started 0540  
 (C) First Final Flow 17  Safety Joint No T-Open 0933  
 (D) Initial Shut-In 125  Circ Sub N/C T-Pulled 1035  
 (E) Second Initial Flow 17  Hourly Standby \_\_\_\_\_ T-Out 1206  
 (F) Second Final Flow 40  Mileage 116 net 87 Comments \_\_\_\_\_  
 (G) Final Shut-In 308  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2112  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

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

Sub Total 1237 Total 1237 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. **64225**

4/10

Well Name & No. Gaskill Range - Bertrand Unit #5.1 Test No. 2 Date 9/15/2017  
 Company StrataKan Exploration, LLC Elevation 3172 KB 3167 GL  
 Address 100 S Main - Plainville KS 67663  
 Co. Rep / Geo. Jason Alm Rig WW #2  
 Location: Sec. 5 Twp. 12s Rge. 33w Co. Logan State Ks

Interval Tested 4568 4625 Zone Tested Ft Scott / Myric Station  
 Anchor Length 57 Drill Pipe Run 4441 Mud Wt. 9.2  
 Top Packer Depth 4563 Drill Collars Run 119 Vis 54  
 Bottom Packer Depth 4568 Wt. Pipe Run 8 WL 8.8  
 Total Depth 4625 Chlorides 4500 ppm System LCM 3#

Blow Description IF: 11' blow.  
ISI: No return.  
FF: Surface blow  
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>0cm</u>		<u>10</u>		<u>90</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

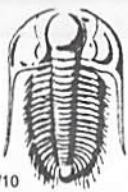
Rec Total 15 BHT 118 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2317  Test 1150 T-On Location 1800  
 (B) First Initial Flow 15  Jars — T-Started 1923  
 (C) First Final Flow 19  Safety Joint — T-Open 2154  
 (D) Initial Shut-In 61  Circ Sub KL T-Pulled 2354  
 (E) Second Initial Flow 20  Hourly Standby — T-Out 0156 09/16  
 (F) Second Final Flow 23  Mileage 11627 87 Comments —  
 (G) Final Shut-In 42  Sampler —  
 (H) Final Hydrostatic 2281  Straddle —  Ruined Shale Packer —  
 Shale Packer —  Ruined Packer —  
 Extra Packer —  Extra Copies 0  
 Initial Open 30  Extra Recorder — Sub Total 1237  
 Initial Shut-In 30  Day Standby — Total 1237  
 Final Flow 30  Accessibility — MP/DST Disc't —  
 Final Shut-In 30  Sub Total 1237

Approved By \_\_\_\_\_ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **64683**

Well Name & No. Gaskill Range - Bertrand Unit #5-1 Test No. 3 Date 9/16/2017  
 Company Stratakan Exploration, LLC Elevation 3172 KB 3167 GL  
 Address 100 S Main Plainville KS 67663  
 Co. Rep / Geo. Jason Alm Rig WW #2  
 Location: Sec. 5 Twp. 12s Rge. 33W Co. Logan State Ks

Interval Tested 4645 4700 Zone Tested Johnson.  
 Anchor Length 55' Drill Pipe Run 4535 Mud Wt. 9.2  
 Top Packer Depth 4648 Drill Collars Run 119 Vis 61  
 Bottom Packer Depth 4645 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4700 Chlorides 5000 ppm System LCM 2#

Blow Description IF BOB@ 3 min.  
TSI BOB@ 15 min.  
KF BOB@ open.  
RF BOB@ 40 min. Gas to surface

Rec	Feet of	%gas	%oil	%water	%mud
<u>780</u>	<u>60</u>	<u>40%</u>	<u>60%</u>		
<u>120</u>	<u>60CM</u>	<u>45%</u>	<u>25%</u>		<u>30%</u>
	<u>Gas to surface</u>				

Rec Total 900 BHT 131 Gravity 27 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2352  Test 1150 T-On Location 1415  
 (B) First Initial Flow 61  Jars — T-Started 1452  
 (C) First Final Flow 178  Safety Joint — T-Open 1717  
 (D) Initial Shut-In 1038  Circ Sub 50 T-Pulled 2020  
 (E) Second Initial Flow 204  Hourly Standby — T-Out 2341  
 (F) Second Final Flow 314  Mileage 116 RT x 2 87+87 Comments Loaded tools  
 (G) Final Shut-In 1014  Sampler — @ 2100 9/17/2017  
 (H) Final Hydrostatic 2295  Straddle —  
 Ruined Shale Packer —  
 Shale Packer —  Ruined Packer —  
 Extra Packer —  Extra Copies —  
 Initial Open 30  Extra Recorder — Sub Total 0  
 Initial Shut-In 45  Day Standby — Total 1374  
 Final Flow 45  Accessibility — MP/DST Disc't —  
 Final Shut-In 60  Sub Total 1374

Approved By \_\_\_\_\_ Our Representative [Signature]  
 TriLOBITE TESTING Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.