



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Jolen Operating Co  
100 N Broadway Ave Ste 2460  
Oklahoma City, OK 73102  
ATTN: Dennis Pope

**16-30S-21W Clark**  
**Evans 1-16**  
Job Ticket: 63618      **DST#: 1**  
Test Start: 2017.08.20 @ 14:39:06

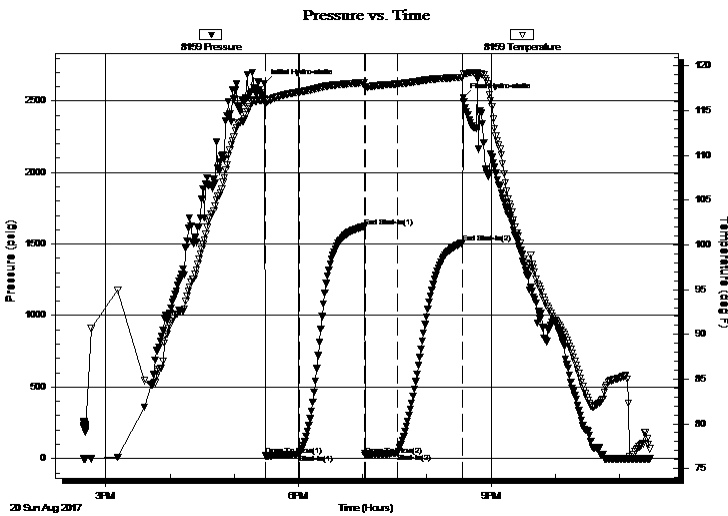
## GENERAL INFORMATION:

Formation: **St Louis**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 17:29:06  
Time Test Ended: 23:28:21  
Interval: **5240.00 ft (KB) To 5260.00 ft (KB) (TVD)**  
Total Depth: 5358.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Reference Elevations: 2333.00 ft (KB)  
2320.00 ft (CF)  
KB to GR/CF: 13.00 ft  
Test Type: Conventional Straddle (Initial)  
Tester: Leal Cason  
Unit No: 74

**Serial #: 8159      Inside**  
Press@RunDepth: 36.61 psig @ 5241.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2017.08.20      End Date: 2017.08.20      Last Calib.: 2017.08.20  
Start Time: 14:39:07      End Time: 23:28:21      Time On Btm: 2017.08.20 @ 17:28:21  
Time Off Btm: 2017.08.20 @ 20:34:06

**TEST COMMENT:** IF: Fair Blow , Built to 9 1/2 inches  
IS: No Blow Back  
FF: Fair Blow , BOB in 27 minutes  
FS: No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2623.47	116.38	Initial Hydro-static
1	19.68	115.75	Open To Flow (1)
33	30.14	117.08	Shut-In(1)
94	1623.79	118.14	End Shut-In(1)
94	21.32	117.72	Open To Flow (2)
125	36.61	117.99	Shut-In(2)
185	1509.47	118.73	End Shut-In(2)
186	2523.74	119.17	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	300 GIP	0.00
60.00	WOCM 10%W 20%O 70%M	0.30

## Gas Rates

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



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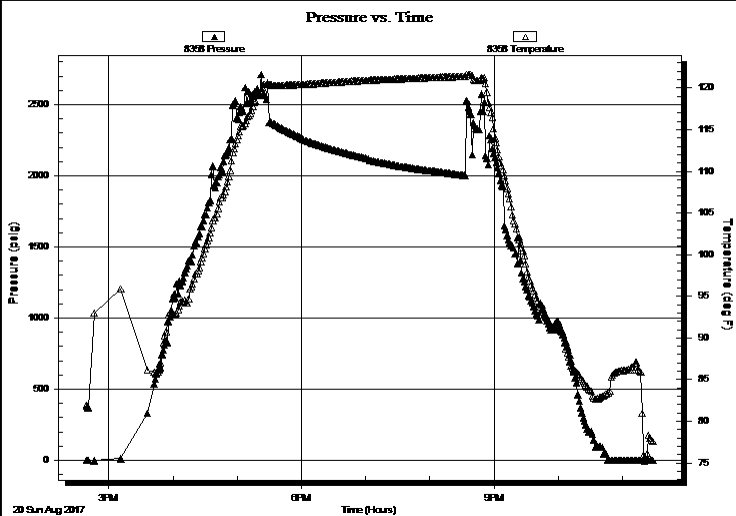
**16-30S-21W Clark**  
**Evans 1-16**  
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 Total Depth: 5358.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Straddle (Initial)  
 Tester: Leal Cason  
 Unit No: 74  
 Reference Elevations: 2333.00 ft (KB)  
 2320.00 ft (CF)  
 KB to GR/CF: 13.00 ft

**Serial #: 8358 Below (Straddle)**  
 Press@RunDepth: psig @ 5290.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.08.20 End Date: 2017.08.20 Last Calib.: 2017.08.20  
 Start Time: 14:39:07 End Time: 23:29:06 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: Fair Blow , Built to 9 1/2 inches  
 IS: No Blow Back  
 FF: Fair Blow , BOB in 27 minutes  
 FS: No Blow Back



**PRESSURE SUMMARY**

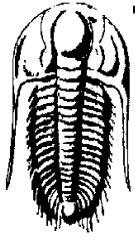
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	300 GIP	0.00
60.00	WOCM 10%W 20%O 70%M	0.30

**Gas Rates**

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



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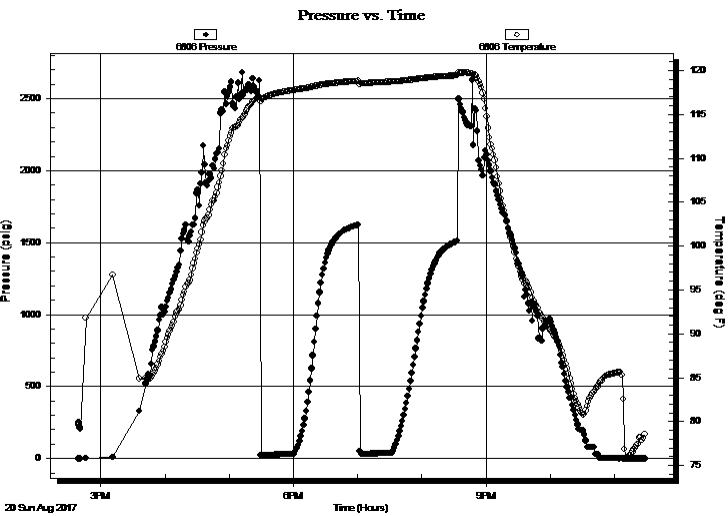
**16-30S-21W Clark**  
**Evans 1-16**  
Job Ticket: 63618      **DST#: 1**  
Test Start: 2017.08.20 @ 14:39:06

**GENERAL INFORMATION:**

Formation: <b>St Louis</b>	Test Type: Conventional Straddle (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Leal Cason
Time Tool Opened: 17:29:06	Unit No: 74
Time Test Ended: 23:28:21	Reference Elevations: 2333.00 ft (KB)
<b>Interval: 5240.00 ft (KB) To 5260.00 ft (KB) (TVD)</b>	2320.00 ft (CF)
Total Depth: 5358.00 ft (KB) (TVD)	KB to GR/CF: 13.00 ft
Hole Diameter: 7.88 inches Hole Condition: Good	

<b>Serial #: 6806</b>	<b>Outside</b>	Capacity: 8000.00 psig
Press@RunDepth: psig @ 5241.00 ft (KB)	Start Date: 2017.08.20	Last Calib.: 2017.08.20
Start Time: 14:39:07	End Date: 2017.08.20	Time On Btm:
End Time: 23:28:21	Time Off Btm:	

**TEST COMMENT:** IF: Fair Blow , Built to 9 1/2 inches  
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**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	300 GIP	0.00
60.00	WOCM 10%W 20%O 70%M	0.30

**Gas Rates**

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



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

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**16-30S-21W Clark**  
**Evans 1-16**  
Job Ticket: 63618      **DST#: 1**  
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## Mud and Cushion Information

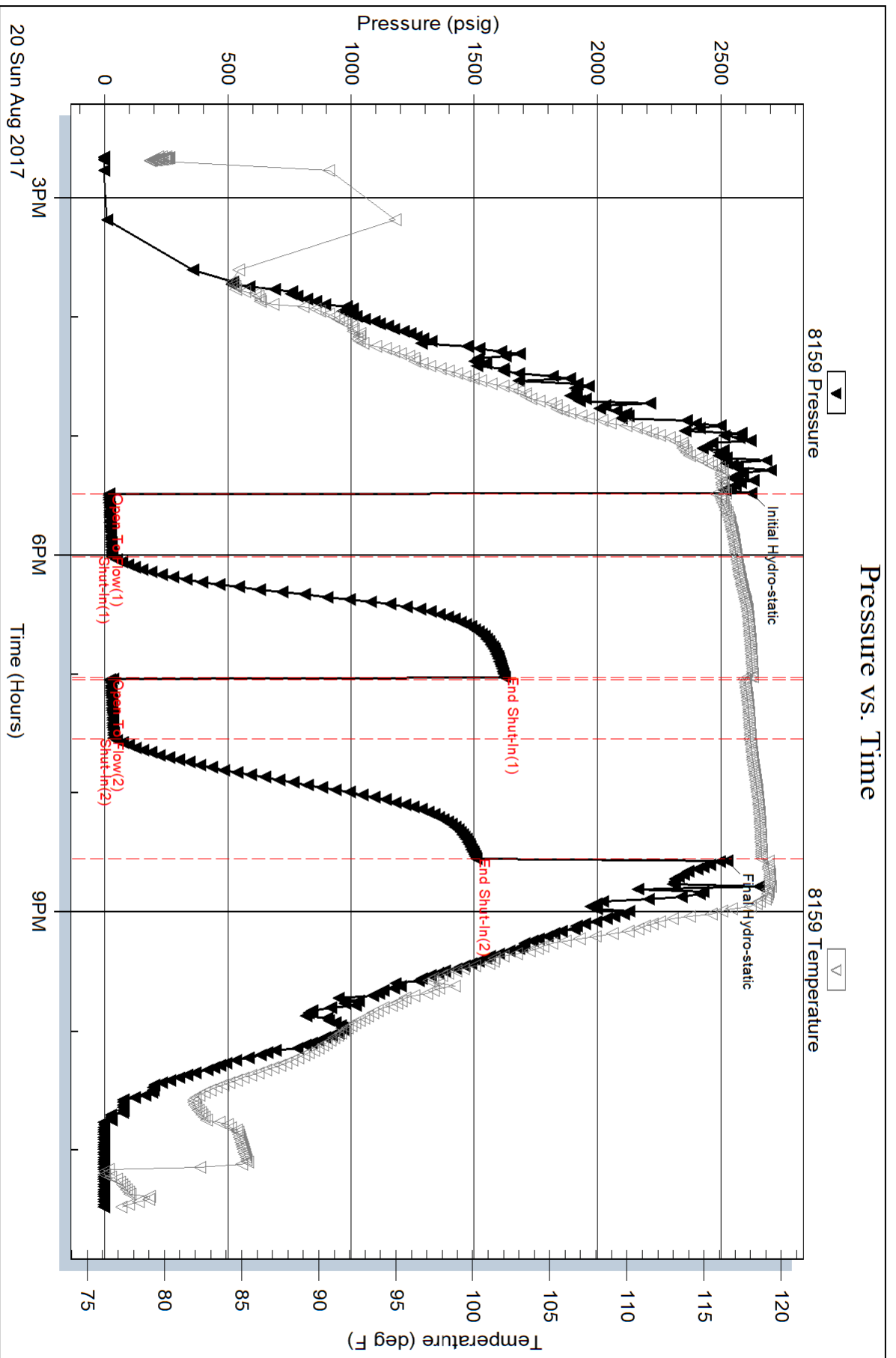
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 0.02 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	300 GIP	0.000
60.00	WOCM 10%W 20%O 70%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:



Serial #: 8358

Below (Stratate) Operating Co

Evans 1-16

DST Test Number: 1

