



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Triple Crown Operating  
 2201 S Utica Pl Ste 100  
 Tulsa, OK 74114  
 ATTN: Pat Deenihan

**3-20S-24W Ness**

**Lane Trust 1-3**

Job Ticket: 59851

**DST#: 1**

Test Start: 2018.03.31 @ 13:10:07

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 15:07:24 Tester: Leal Cason  
 Time Test Ended: 20:22:09 Unit No: 74  
 Interval: **4317.00 ft (KB) To 4380.00 ft (KB) (TVD)** Reference Elevations: 2304.00 ft (KB)  
 Total Depth: 4380.00 ft (KB) (TVD) 2298.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 6.00 ft

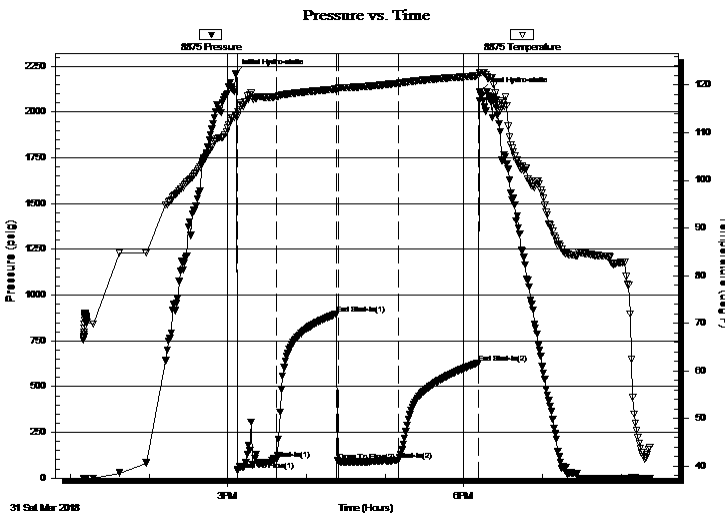
## Serial #: 8875

Inside

Press@RunDepth: 97.69 psig @ 4318.00 ft (KB) Capacity: psig  
 Start Date: 2018.03.31 End Date: 2018.03.31 Last Calib.: 2018.03.31  
 Start Time: 13:10:08 End Time: 20:22:09 Time On Btm: 2018.03.31 @ 15:05:54  
 Time Off Btm: 2018.03.31 @ 18:12:24

TEST COMMENT: IF: Fair Blow , Built to 7 1/2 inches  
 IS: No Blow Back  
 FF: Fair Blow , Built to 8 1/2 inches  
 FS: No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2209.45	113.51	Initial Hydro-static
2	43.68	113.50	Open To Flow (1)
32	105.06	117.55	Shut-In(1)
78	897.76	119.16	End Shut-In(1)
79	91.81	119.40	Open To Flow (2)
124	97.69	120.36	Shut-In(2)
186	630.59	121.98	End Shut-In(2)
187	2113.87	122.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	64 GIP	0.00
165.00	GOCM 10%G 30%O 60%M	1.27
5.00	Oil	0.07

## Gas Rates

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



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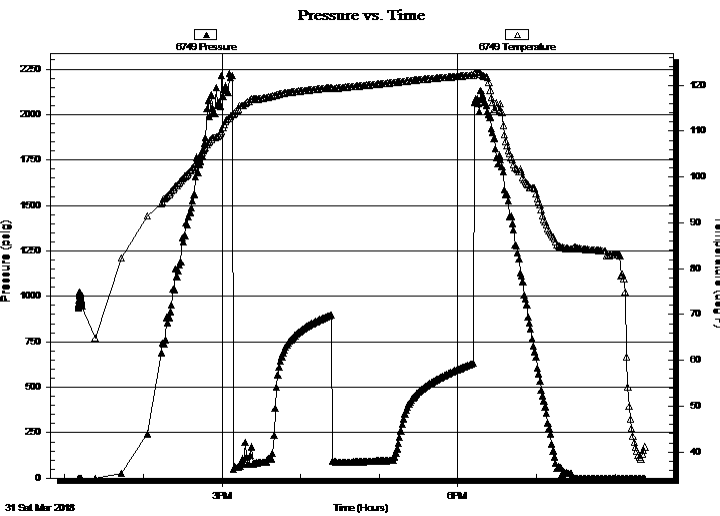
**3-20S-24W Ness**  
**Lane Trust 1-3**  
 Job Ticket: 59851 **DST#: 1**  
 Test Start: 2018.03.31 @ 13:10:07

## GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:07:24  
 Time Test Ended: 20:22:09  
 Interval: **4317.00 ft (KB) To 4380.00 ft (KB) (TVD)**  
 Total Depth: 4380.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Leal Cason  
 Unit No: 74  
 Reference Elevations: 2304.00 ft (KB)  
 2298.00 ft (CF)  
 KB to GR/CF: 6.00 ft

**Serial #: 6749 Outside**  
 Press@RunDepth: psig @ 4318.00 ft (KB) Capacity: psig  
 Start Date: 2018.03.31 End Date: 2018.03.31 Last Calib.: 2018.03.31  
 Start Time: 13:10:38 End Time: 20:22:39 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF: Fair Blow , Built to 7 1/2 inches  
 IS: No Blow Back  
 FF: Fair Blow , Built to 8 1/2 inches  
 FS: No Blow Back



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

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	64 GIP	0.00
165.00	GOCM 10%G 30%O 60%M	1.27
5.00	Oil	0.07

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Triple Crown Operating  
2201 S Utica Pl Ste 100  
Tulsa, OK 74114  
ATTN: Pat Deenihan

**3-20S-24W Ness**  
**Lane Trust 1-3**  
Job Ticket: 59851      **DST#: 1**  
Test Start: 2018.03.31 @ 13:10:07

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 37.4 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4000.00 ppm		
Filter Cake: 0.02 inches		

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	64 GIP	0.000
165.00	GOCM 10%G 30%O 60%M	1.267
5.00	Oil	0.070

Total Length: 170.00 ft      Total Volume: 1.337 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: Gravity was 35.4 @ 40 degrees

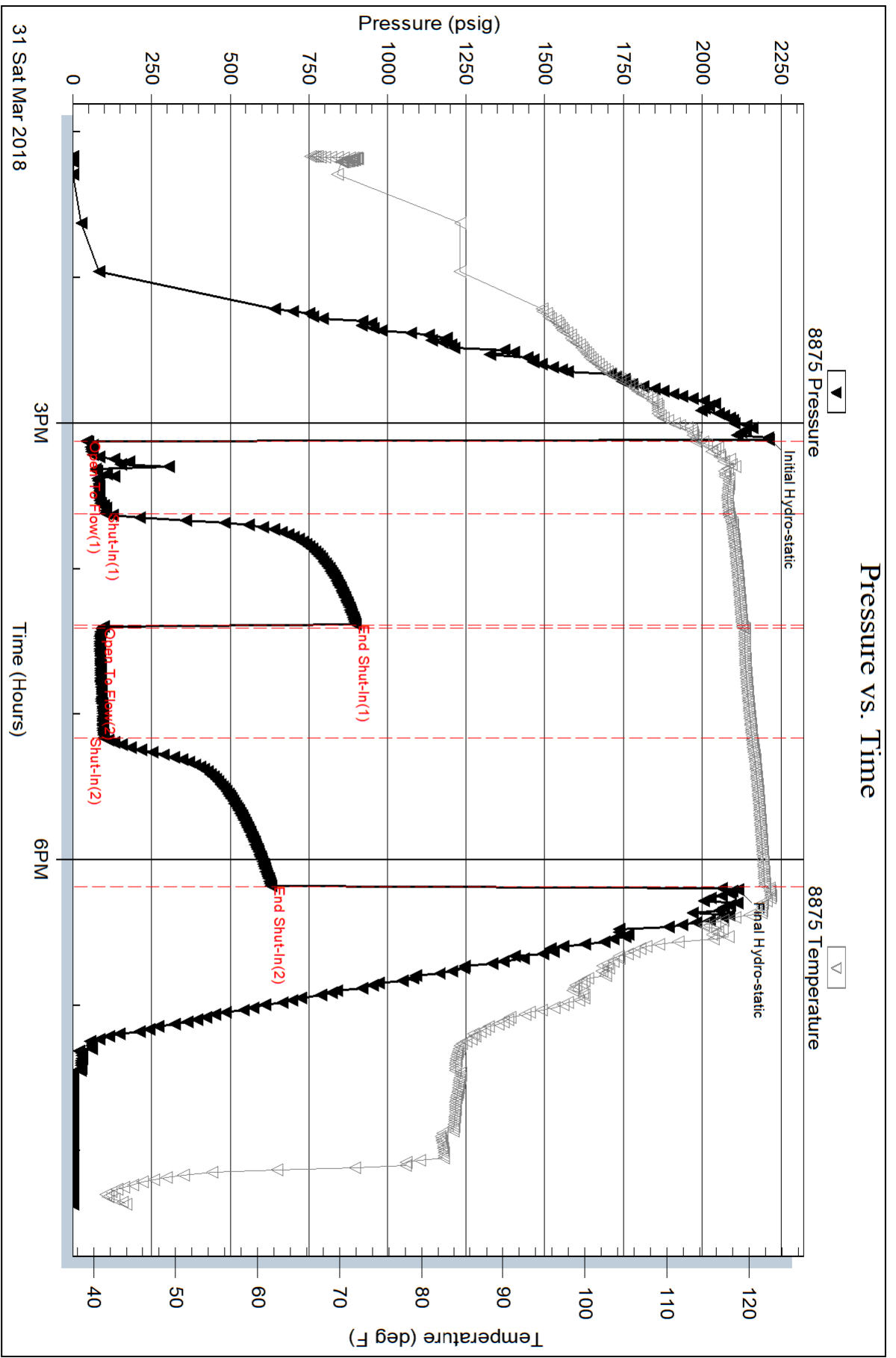
Serial #: 8875

Inside

Triple Crown Operating

Lane Trust 1-3

DST Test Number: 1

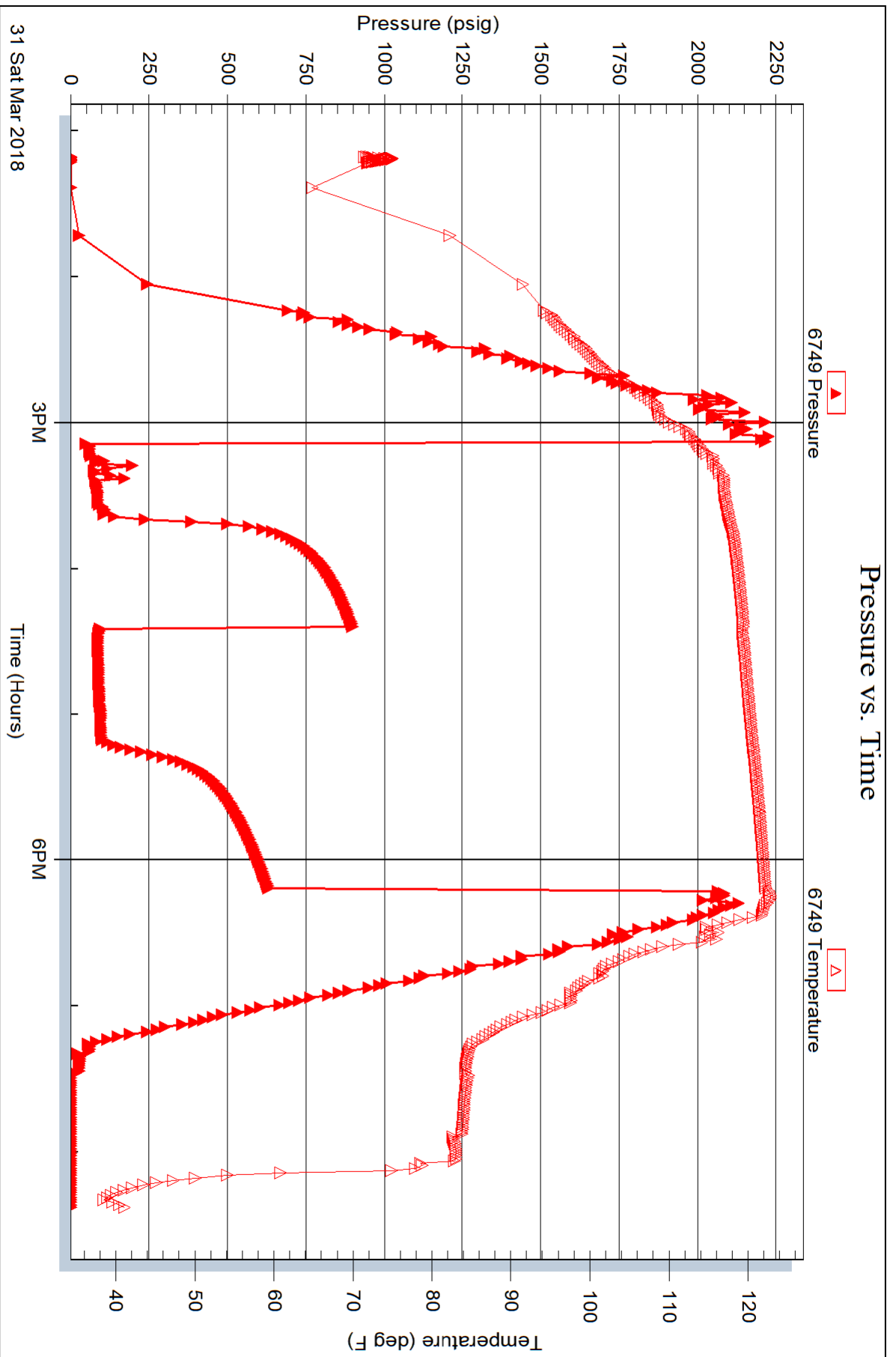


Serial #: 6749

Outside Triple Crown Operating

Lane Trust 1-3

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 59851

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