



DRILL STEM TEST REPORT

Prepared For: **Triple Crown Operating LLC**

2201 S Utica PI Ste 100
Tulsa OK 74114-7099

ATTN: Rod Anderson

Fanshier #1-26

26-19s-24w Ness,KS

Start Date: 2016.01.13 @ 22:55:00

End Date: 2016.01.14 @ 06:59:00

Job Ticket #: 64753 DST #: 1

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

Printed: 2016.01.18 @ 11:10:52



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Triple Crown Operating LLC

26-19s-24w Ness,KS

2201 S Utica Pl Ste 100
Tulsa OK 74114-7099

Fanshier #1-26

Job Ticket: 64753

DST#: 1

ATTN: Rod Anderson

Test Start: 2016.01.13 @ 22:55:00

GENERAL INFORMATION:

Formation: **LKC " E "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:19:00

Time Test Ended: 06:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: 3890.00 ft (KB) To 3923.00 ft (KB) (TVD)

Reference Elevations: 2267.00 ft (KB)

Total Depth: 3923.00 ft (KB) (TVD)

2258.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8289 Outside

Press@RunDepth: 442.10 psig @ 3895.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.01.13

End Date:

2016.01.14

Last Calib.:

2016.01.14

Start Time: 22:55:02

End Time:

06:59:00

Time On Btm:

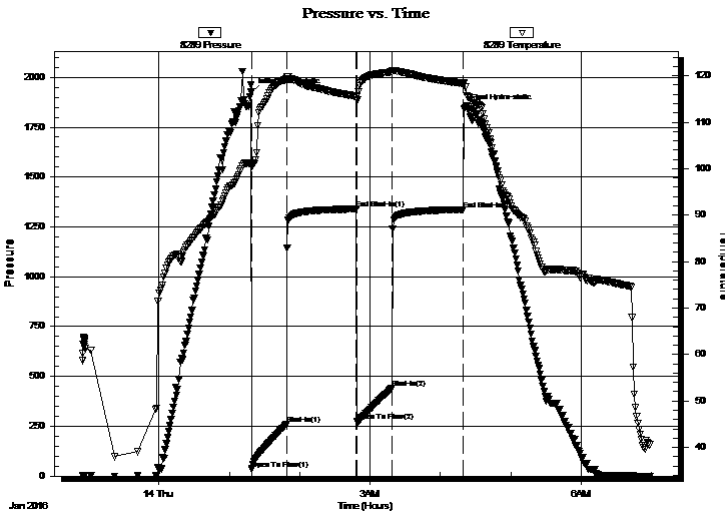
2016.01.14 @ 01:18:45

Time Off Btm:

2016.01.14 @ 04:20:00

TEST COMMENT: 30-IF- BOB in 5 1/2 min.
60-ISI- No Blow
30-FF- BOB in 9 1/2 min.
60-FSI- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1925.95	101.17	Initial Hydro-static
1	33.11	100.55	Open To Flow (1)
30	261.96	119.31	Shut-In(1)
90	1339.86	115.57	End Shut-In(1)
90	276.38	114.89	Open To Flow (2)
120	442.10	120.81	Shut-In(2)
181	1337.02	118.34	End Shut-In(2)
182	1843.12	118.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
683.00	Water 100%w	8.48
175.00	MCW 10% m 90% w	2.45

Gas Rates

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



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2258.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8789 Inside

Press@RunDepth: psig @ 3895.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.01.13

End Date:

2016.01.14

Last Calib.:

2016.01.14

Start Time: 22:55:02

End Time:

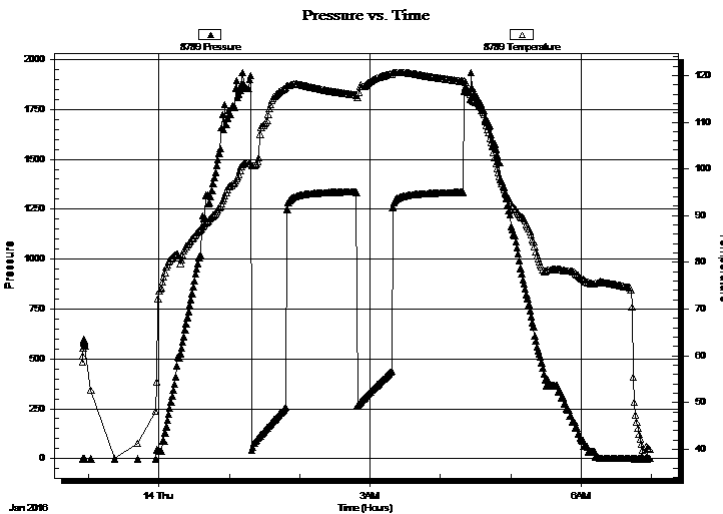
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Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF- BOB in 5 1/2 min.
60-ISI- No Blow
30-FF- BOB in 9 1/2 min.
60-FSI- No Blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
683.00	Water 100%w	8.48
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TOOL DIAGRAM

Triple Crown Operating LLC

26-19s-24w Ness, KS

2201 S Utica Pl Ste 100
Tulsa OK 74114-7099

Fanshier #1-26

Job Ticket: 64753

DST#: 1

ATTN: Rod Anderson

Test Start: 2016.01.13 @ 22:55:00

Tool Information

Drill Pipe:	Length: 3763.00 ft	Diameter: 3.80 inches	Volume: 52.78 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 53.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3890.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	33.00 ft			
Tool Length:	61.00 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			3863.00	
Shut In Tool	5.00			3868.00	
Hydraulic tool	5.00			3873.00	
Jars	5.00			3878.00	
Safety Joint	2.00			3880.00	
Packer	5.00			3885.00	28.00 Bottom Of Top Packer
Packer	5.00			3890.00	
Stubb	1.00			3891.00	
Perforations	4.00			3895.00	
Recorder	0.00	8789	Inside	3895.00	
Recorder	0.00	8289	Outside	3895.00	
Perforations	25.00			3920.00	
Bullnose	3.00			3923.00	33.00 Bottom Packers & Anchor

Total Tool Length: 61.00



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FLUID SUMMARY

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Job Ticket: 64753

DST#: 1

ATTN: Rod Anderson

Test Start: 2016.01.13 @ 22:55:00

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:

110000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.94 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
683.00	Water 100%w	8.478
175.00	MCW 10%m 90%w	2.455

Total Length: 858.00 ft

Total Volume: 10.933 bbl

Num Fluid Samples: 0

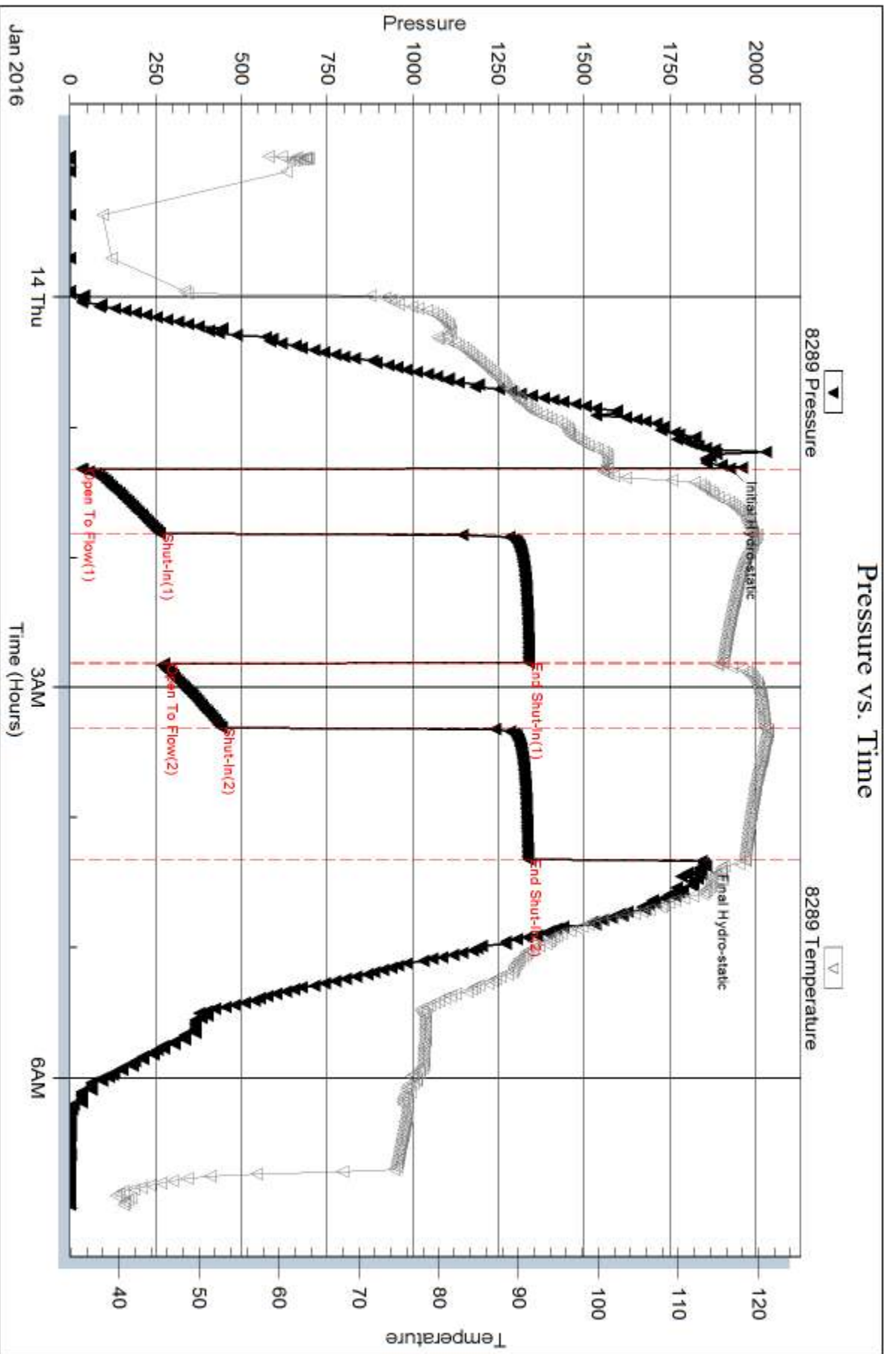
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .125 @ 43



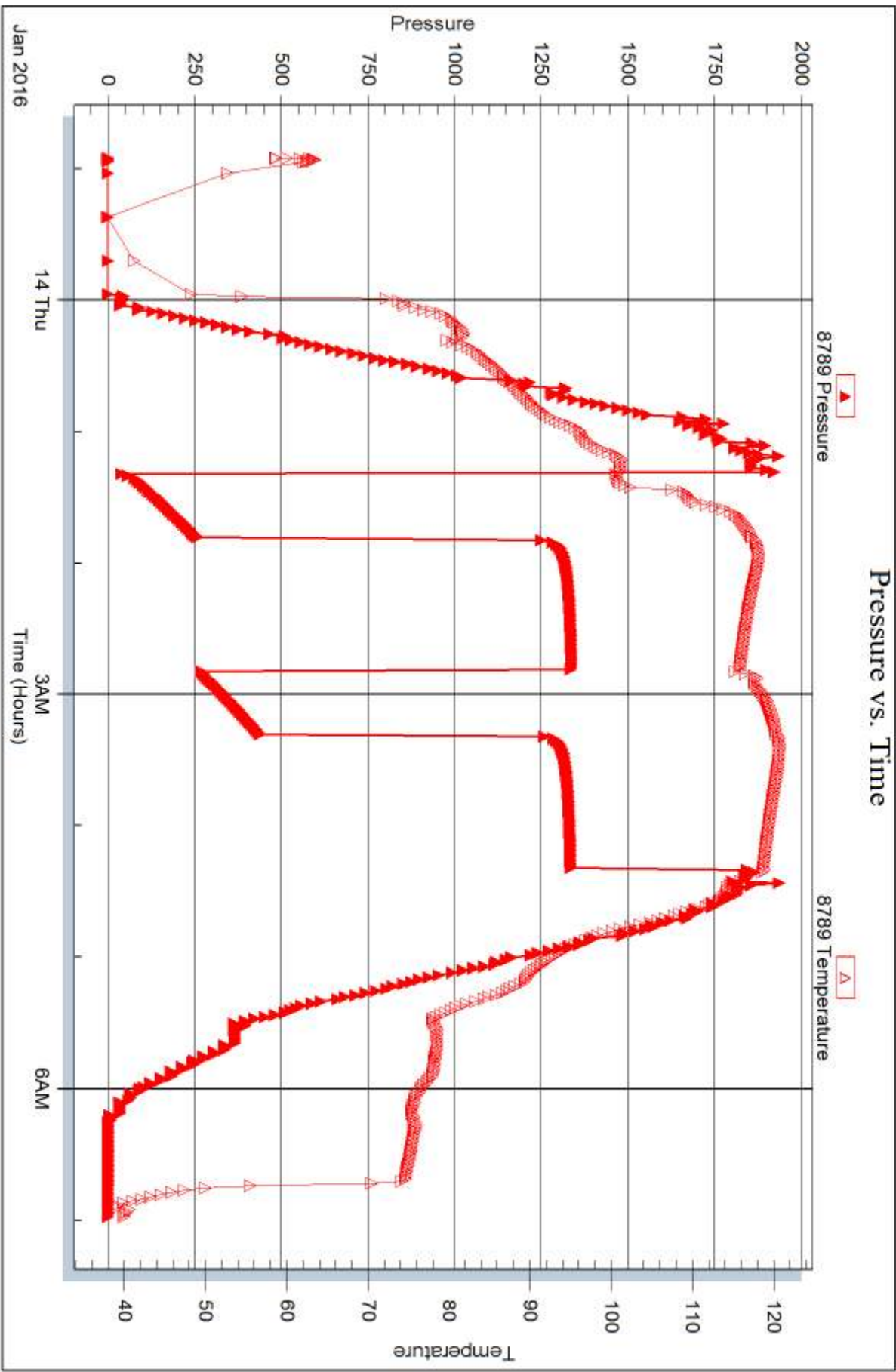
Serial #: 8789

Inside

Triple Crown Operating LLC

Fanshler #1-26

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64753

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