



DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc**

370 W Wichita Ave.
Russell, KS 67665

ATTN: Austin Klaus

Hansen #1

21-5s-20w Phillips,KS

Start Date: 2012.06.25 @ 03:51:00

End Date: 2012.06.25 @ 10:27:30

Job Ticket #: 47051 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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Printed: 2012.07.05 @ 10:33:09



TRILOBITE TESTING, INC.

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John O Farmer, Inc

21-5s-20w Phillips,KS

370 W Wichita Ave.
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Test Start: 2012.06.25 @ 03:51:00

GENERAL INFORMATION:

Formation: **Arbuckle - Reagan**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:26:30

Time Test Ended: 10:27:30

Test Type: Conventional Straddle (Initial)

Tester: Kevin Mack

Unit No: 64

Interval: 3602.00 ft (KB) To 3628.00 ft (KB) (TVD)

Reference Elevations: 2195.00 ft (KB)

Total Depth: 3688.00 ft (KB) (TVD)

2190.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8846 Inside

Press @ Run Depth: 67.25 psig @ 3623.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.06.25 End Date: 2012.06.25

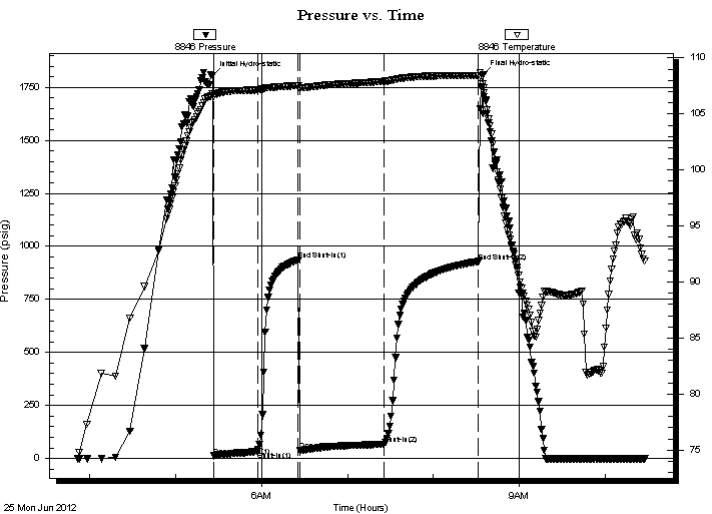
Last Calib.: 2012.06.25

Start Time: 03:51:30 End Time: 10:27:30

Time On Btm: 2012.06.25 @ 05:25:30

Time Off Btm: 2012.06.25 @ 08:35:00

TEST COMMENT: 30 - IF- 1/8" Blow built to 2 1/2"
30 - IS- No Return
60 - FF- Blow started at 4 min. Built to 7"
60 - FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1804.63	106.83	Initial Hydro-static
1	12.54	106.59	Open To Flow (1)
32	33.92	107.15	Shut-In(1)
60	937.72	107.53	End Shut-In(1)
61	36.70	107.27	Open To Flow (2)
120	67.25	107.91	Shut-In(2)
186	929.35	108.44	End Shut-In(2)
190	1809.64	107.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 20o 80M	0.30
60.00	MCO 60o 40M	0.30
30.00	Free oil 100o	0.42

Gas Rates

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



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TOOL DIAGRAM

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21-5s-20w Phillips,KS

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Hansen #1

Job Ticket: 47051

DST#: 1

ATTN: Austin Klaus

Test Start: 2012.06.25 @ 03:51:00

Tool Information

Drill Pipe:	Length: 3463.00 ft	Diameter: 3.80 inches	Volume: 48.58 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: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	38000.00 lb
			<u>Total Volume: 49.17 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3602.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	3627.00 ft				
Interval between Packers:	25.00 ft				
Tool Length:	108.00 ft				
Number of Packers:	3	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3582.00	
Shut In Tool	5.00			3587.00	
Hydraulic tool	5.00			3592.00	
Packer	5.00			3597.00	21.00 Bottom Of Top Packer
Packer	5.00			3602.00	
Stubb	1.00			3603.00	
Perforations	20.00			3623.00	
Recorder	0.00	8846	Inside	3623.00	
Recorder	0.00		Outside	3623.00	
Blank Off Sub	1.00			3624.00	
Blank Spacing	3.00			3627.00	25.00 Tool Interval
Packer	2.00			3629.00	
Stubb	1.00			3630.00	
Recorder	0.00	8845	Below	3630.00	
Perforations	26.00			3656.00	
Blank Spacing	31.00			3687.00	
Bullnose	2.00			3689.00	62.00 Bottom Packers & Anchor
Total Tool Length:	108.00				



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FLUID SUMMARY

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Russell, KS 67665

Hansen #1

Job Ticket: 47051

DST#: 1

ATTN: Austin Klaus

Test Start: 2012.06.25 @ 03:51:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OCM 20o 80M	0.295
60.00	MCO 60o 40M	0.295
30.00	Free oil 100o	0.421

Total Length: 150.00 ft Total Volume: 1.011 bbl

Num Fluid Samples: 0

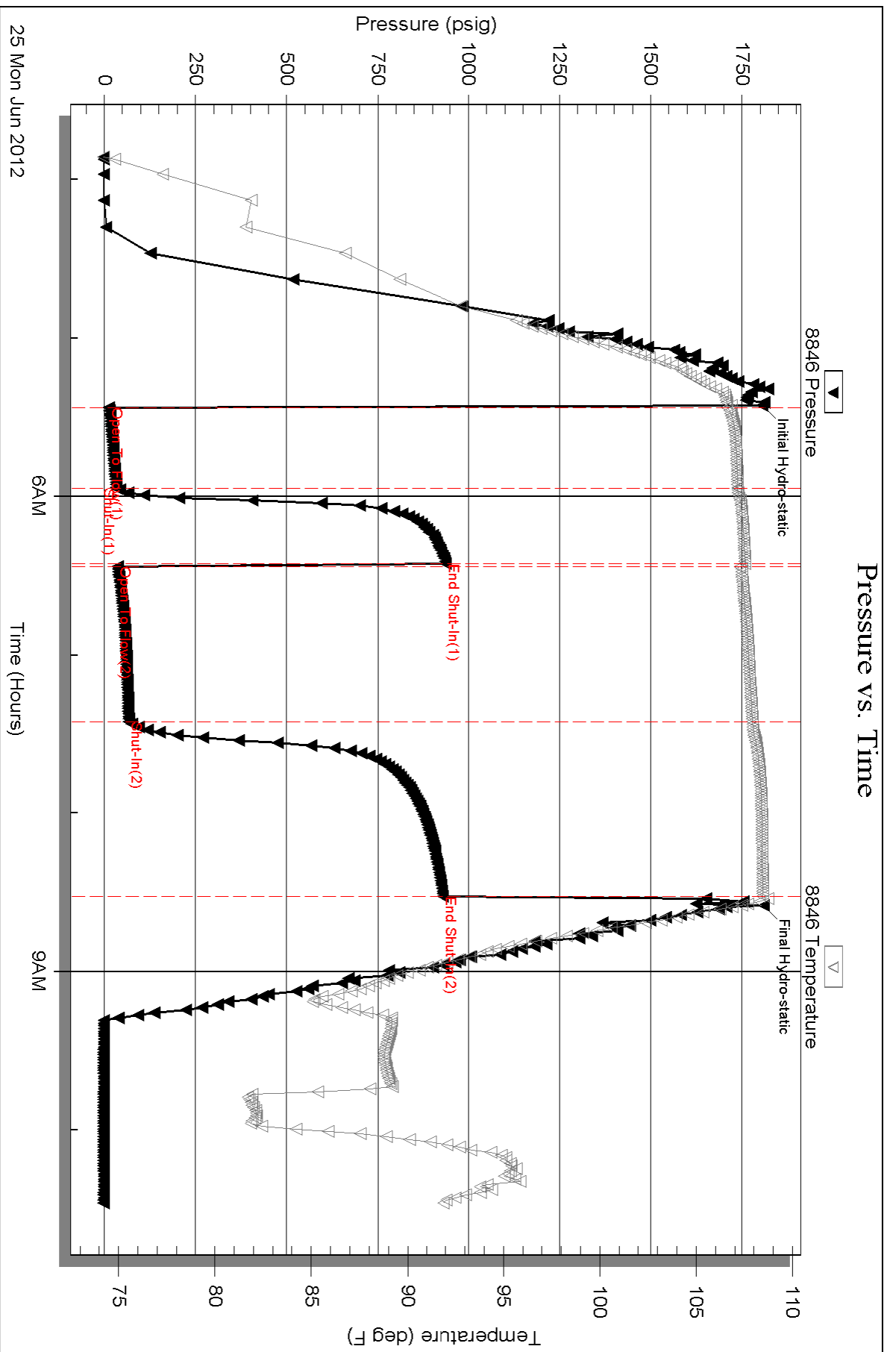
Num Gas Bombs: 0

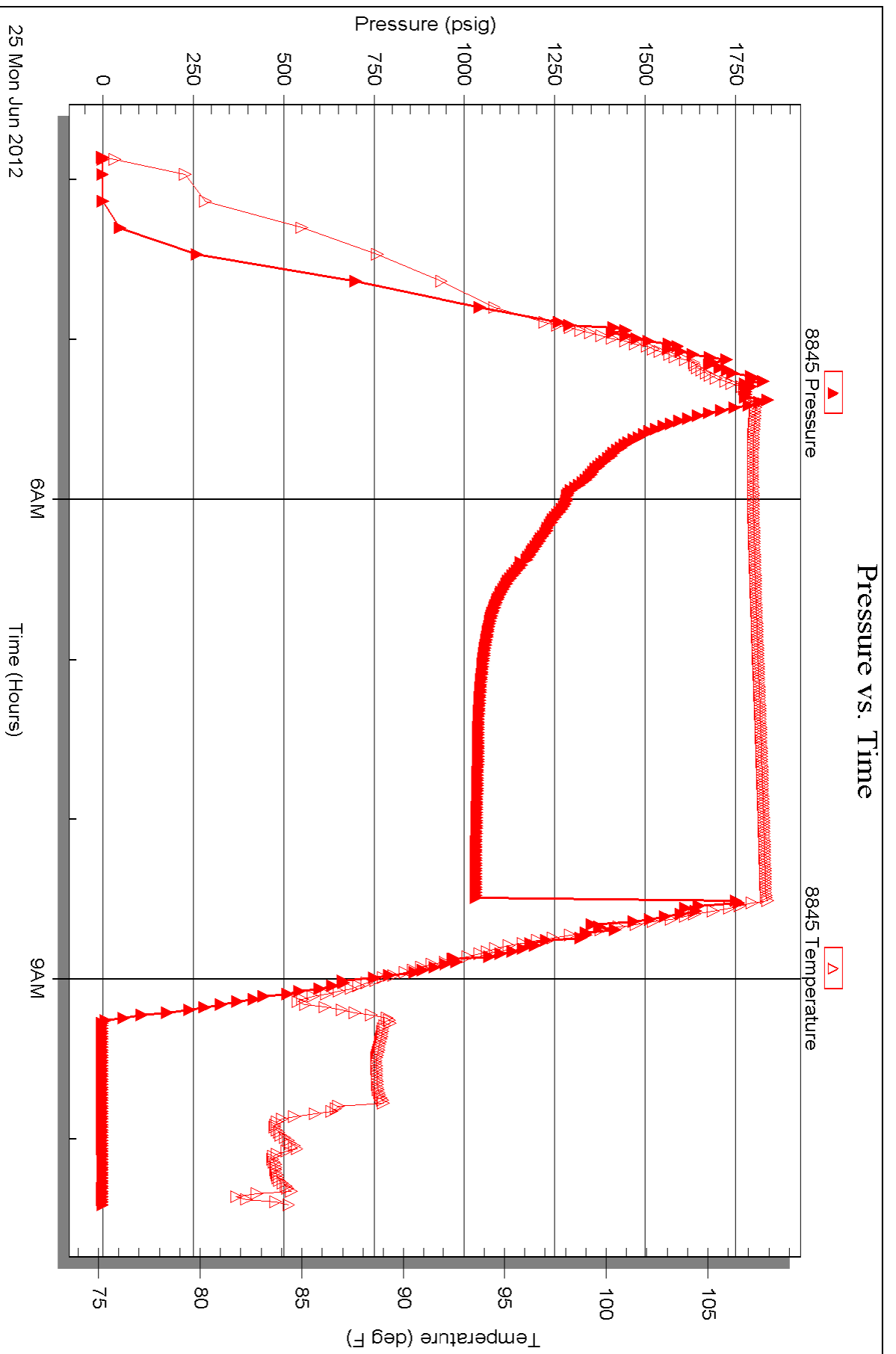
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Oil API 38 @ 80 deg. = 36







TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 47051

Well Name & No. Jansen #1 Test No. 1 Date 6-25-12
 Company John O. Farmer, Inc. Elevation 2195 KB 2190 GL
 Address 370 W Wichita, Ave Russell, KS 67665
 Co. Rep / Geo. Austin Klaus Rig WV#6
 Location: Sec. 21 Twp. 5s Rge. 20w Co. Phillips State KS

Interval Tested 3602-3628 Zone Tested Arbuckle-Reagan
 Anchor Length 26' Drill Pipe Run 3463 Mud Wt. 9.2
 Top Packer Depth 3598 Drill Collars Run 120' Vis 60
 Bottom Packer Depth 3602-3628-slate Wt. Pipe Run Ø WL 8.0
 Total Depth _____ Chlorides 1,000 ppm System LCM 2#
 Blow Description IF - 1/8" Blow built to 2 1/2"
IS - NO Return
FF - Blow started at 4 min. Built to 7"
FS - NO Return

Rec	Feet of	%gas	%oil	%water	%mud
30'	Free Oil	100			
60	MCO	60		40	
60	OCM	20		80	

Rec Total _____ BHT 107 Gravity 36 API RW - @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1804 Test 1150 T-On Location 12:30 AM
 (B) First Initial Flow 12 Jars T-Started 3:51 AM
 (C) First Final Flow 33 Safety Joint T-Open 5:26 AM
 (D) Initial Shut-In 937 Circ Sub T-Pulled 8:26 AM
 (E) Second Initial Flow 36 Hourly Standby T-Out 10:27 AM
 (F) Second Final Flow 67 Mileage 148RT 229.40 Comments Could not move
 (G) Final Shut-In 929 Sampler more perf to run test 229.40
 (H) Final Hydrostatic 1809 Straddle 600 Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 229.40
 Day Standby Total 2208.80
 Accessibility MP/DST Disc't _____
 Sub Total 1979.40

Approved By _____ Our Representative [Signature]
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