



## DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr. & Associates**

1515 Wynkoop  
Suite 700  
Denver, CO 80202

ATTN: Clayton Camozzi

**DJ #1-32**

**32-15s-15w Russell,KS**

Start Date: 2012.04.29 @ 15:09:12

End Date: 2012.04.29 @ 21:25:27

Job Ticket #: 47280                      DST #: 1

Trilobite Testing, Inc  
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**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

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**DST#: 1**

Test Start: 2012.04.29 @ 15:09:12

## GENERAL INFORMATION:

Formation: **C-D**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 16:38:57

Time Test Ended: 21:25:27

Test Type: Conventional Bottom Hole (Initial)

Tester: Jason McLemore

Unit No: 54

**Interval: 3206.00 ft (KB) To 3250.00 ft (KB) (TVD)**

Reference Elevations: 1918.00 ft (KB)

Total Depth: 3250.00 ft (KB) (TVD)

1908.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

**Serial #: 8366**

**Inside**

Press @ Run Depth: 20.23 psig @ 3242.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.04.29

End Date:

2012.04.29

Last Calib.:

2012.04.29

Start Time: 15:09:14

End Time:

21:25:27

Time On Btm:

2012.04.29 @ 16:38:12

Time Off Btm:

2012.04.29 @ 19:36:42

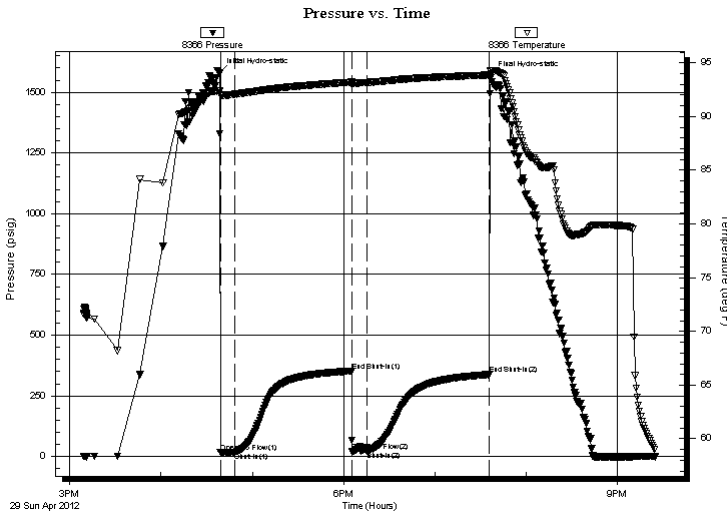
**TEST COMMENT:** 10-IFP-Weak Surface Blow , Died in 5 Min.

75-ISI-Dead

10-FFP-Dead

FSI-Dead

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1579.61	92.42	Initial Hydro-static
1	16.51	91.97	Open To Flow (1)
11	18.21	92.07	Shut-In(1)
87	351.79	93.19	End Shut-In(1)
88	19.44	93.06	Open To Flow (2)
98	20.23	93.16	Shut-In(2)
178	337.53	93.86	End Shut-In(2)
179	1569.24	94.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
6.00	Drilling Mud	0.08

## Gas Rates

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







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**TOOL DIAGRAM**

Samuel Gary Jr. & Associates

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**DJ #1-32**

Job Ticket: 47280

**DST#: 1**

Test Start: 2012.04.29 @ 15:09:12

## Tool Information

Drill Pipe:	Length: 3196.00 ft	Diameter: 3.80 inches	Volume: 44.83 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 44.83 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3206.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Recorder	0.00	8289	Fluid	3171.00	
Change Over Sub	5.00			3176.00	
Shut In Tool	5.00			3181.00	
Sampler	3.00			3184.00	
Hydraulic tool	5.00			3189.00	
Jars	5.00			3194.00	
Safety Joint	2.00			3196.00	
Packer	5.00			3201.00	35.00 Bottom Of Top Packer
Packer	5.00			3206.00	
Stubb	1.00			3207.00	
Perforations	2.00			3209.00	
Change Over Sub	1.00			3210.00	
Blank Spacing	31.00			3241.00	
Change Over Sub	1.00			3242.00	
Recorder	0.00	8366	Inside	3242.00	
Recorder	0.00	8789	Outside	3242.00	
Perforations	5.00			3247.00	
Bullnose	3.00			3250.00	44.00 Bottom Packers & Anchor

**Total Tool Length: 79.00**



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**FLUID SUMMARY**

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**32-15s-15w Russell, KS**

1515 Wynkoop  
Suite 700  
Denver, CO 80202  
ATTN: Clayton Camozzi

**DJ #1-32**

Job Ticket: 47280

**DST#: 1**

Test Start: 2012.04.29 @ 15:09:12

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 8.38 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 5100.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	Drilling Mud	0.084

Total Length: 6.00 ft      Total Volume: 0.084 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

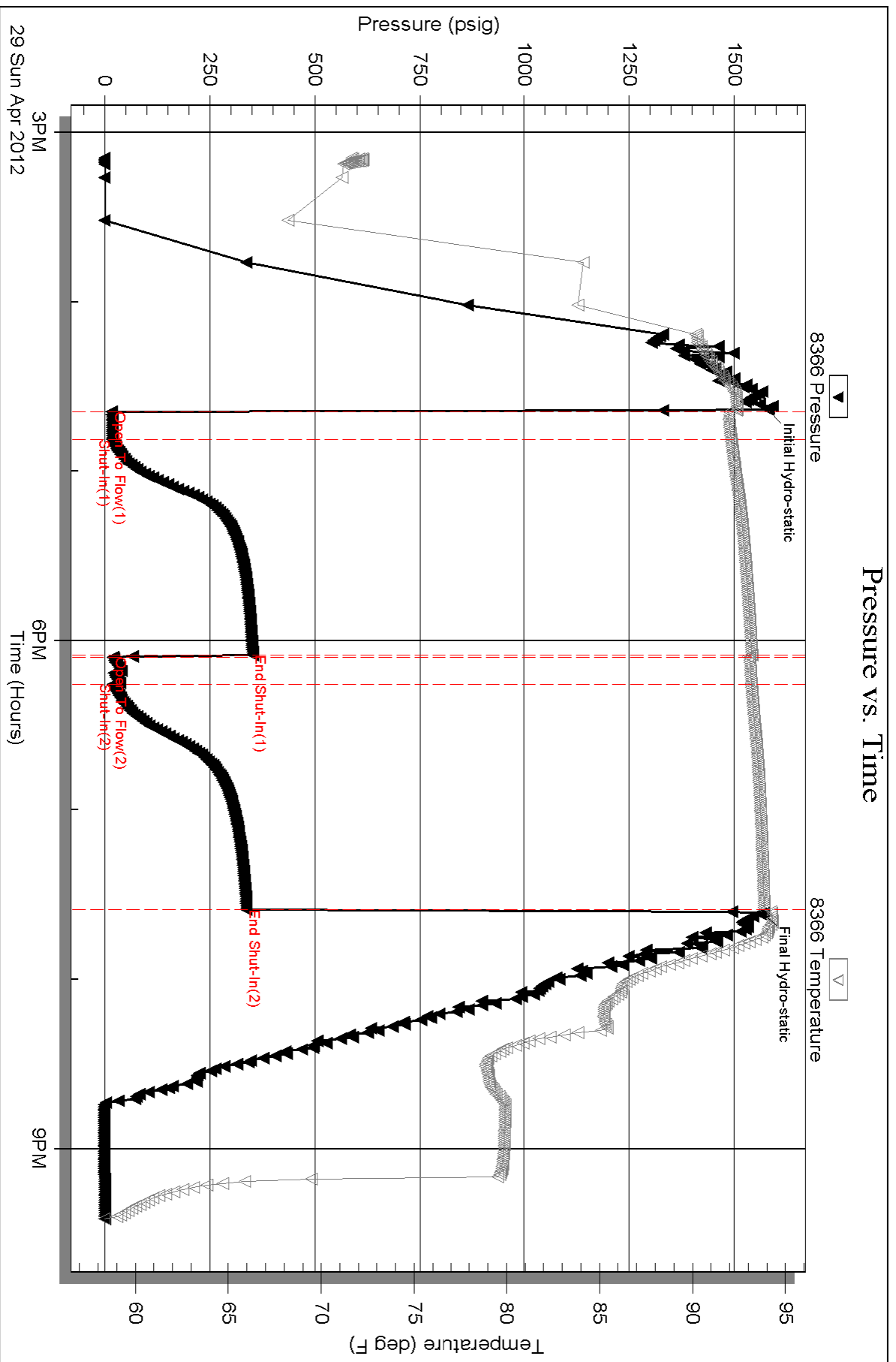
Serial #:

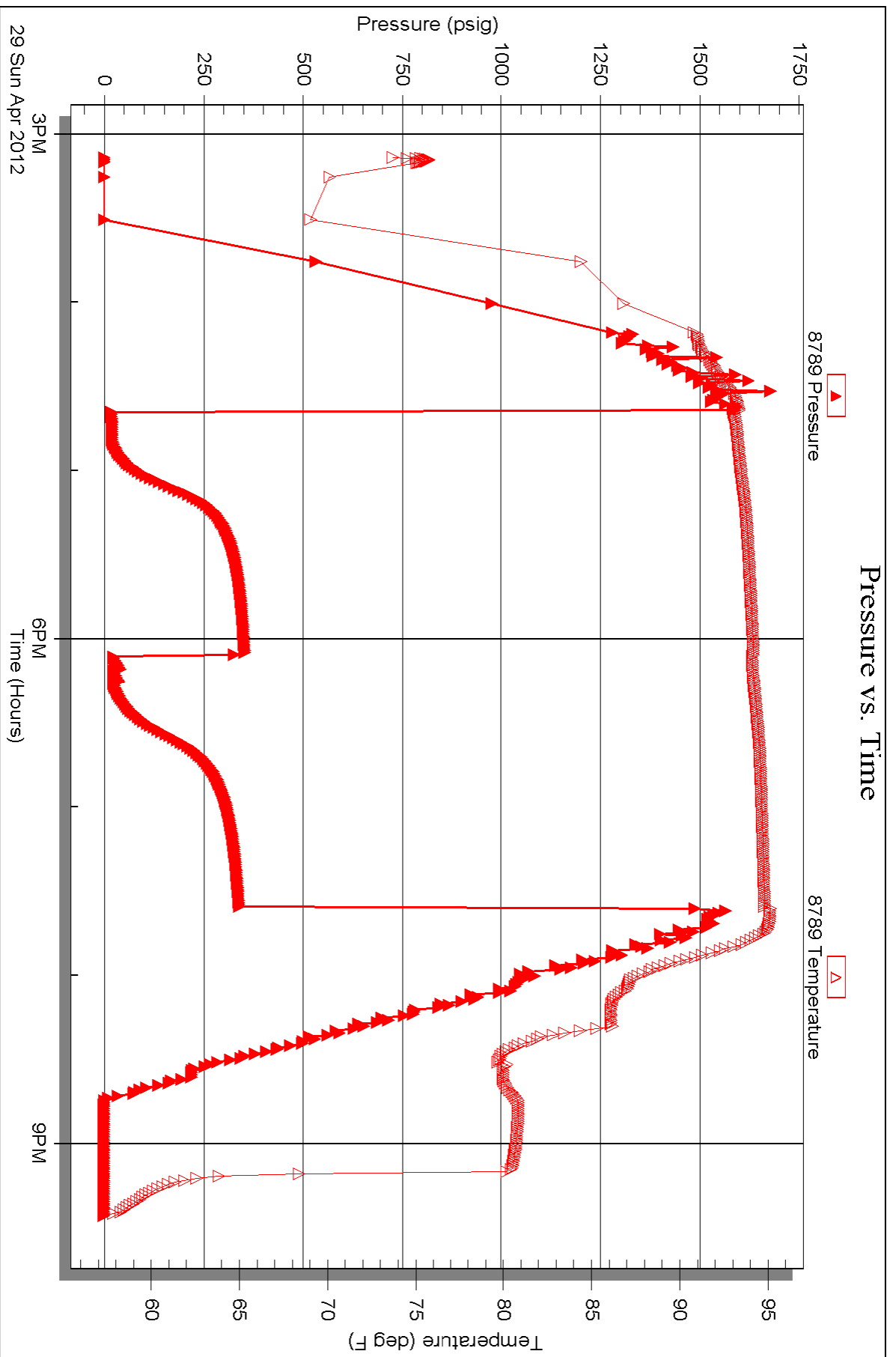
Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler-10#, 3000ml Mud

### Pressure vs. Time







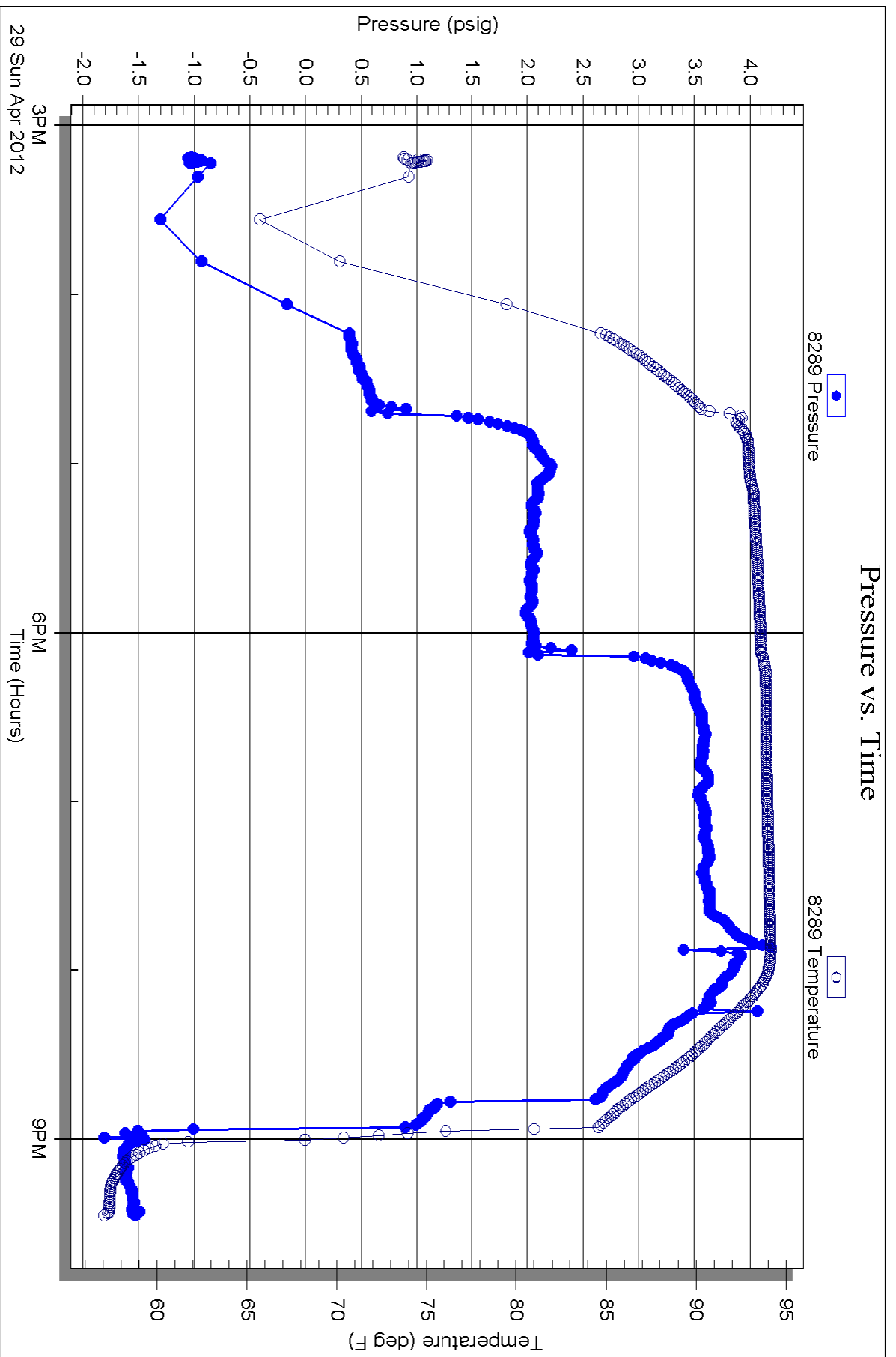
Serial #: 8289

Fluid

Samuel Gary Jr. & Associates

DJ #1-32

DST Test Number: 1





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601 BY: \_\_\_\_\_

RECEIVED  
MAY 03 2012

## Test Ticket

NO. 47280

Well Name & No. DJ # 1-32 Test No. 1 Date 4-29-12  
 Company Samuel Gary Jr. and Associates Elevation 1918 KB 1908 GL  
 Address 1515 Wynkoop, Suite 700, Denver, CO. 80202  
 Co. Rep / Geo. Clayton Camuzzi Rig Val #6  
 Location: Sec. 32 Twp. 15s Rge. 15w Co. Russell State KS

Interval Tested 3206-3250 Zone Tested C-D  
 Anchor Length 44' Drill Pipe Run 3196 Mud Wt. 9.0  
 Top Packer Depth 3201 Drill Collars Run 0 Vis 57  
 Bottom Packer Depth 3206 Wt. Pipe Run 0 WL 8.4  
 Total Depth 3250 Chlorides 5,100 ppm System LCM Ø  
 Blow Description IFP - Weak surface Blow, Died in 5 min.

ISI - Dead  
FFP - Dead  
FSI - Dead

Rec	Feet of	%gas	%oil	%water	%mud
<u>6</u>	<u>Drilling Mud</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of <u>Sampler 10<sup>#</sup>, 3,000 ml Mud</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 6' BHT Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic <u>1580</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>14:12</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>15:07</u>
(C) First Final Flow <u>18</u>	<input checked="" type="checkbox"/> Safety Joint <u>75'</u>	T-Open <u>16:39</u>
(D) Initial Shut-In <u>352</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u><del>21:29</del> 19:29</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>21:27</u>
(F) Second Final Flow <u>20</u>	<input checked="" type="checkbox"/> Mileage <u>90 H 139.50</u>	Comments <u>Released 5-1-12</u>
(G) Final Shut-In <u>338</u>	<input checked="" type="checkbox"/> Sampler <u>250</u>	<u>3:30 AM</u>
(H) Final Hydrostatic <u>1569</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 10  
 Initial Shut-In 75  
 Final Flow 10  
 Final Shut-In 75

Shale Packer  
 Extra Packer  
 Extra Recorder 200  
 Day Standby 800 1 Day 1 Day Hours  
 Accessibility  
 Sub Total 2064.50 MP/DST Disc't \_\_\_\_\_

Sub Total 800  
 Total 2864.50

Approved By \_\_\_\_\_ Our Representative Jason M

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