



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

18-10S-27W Sheridan, KS

1515 Wynkoop, Stw 700
Denver, CO 80202

Dale #1-18

Job Ticket: 61169

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2015.04.28 @ 02:17:23

GENERAL INFORMATION:

Formation: **LKC "F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:00:53

Time Test Ended: 09:55:23

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 62

Interval: 3902.00 ft (KB) To 3926.00 ft (KB) (TVD)

Reference Elevations: 2690.00 ft (KB)

Total Depth: 3926.00 ft (KB) (TVD)

2682.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8655 Outside

Press@RunDepth: 132.24 psig @ 3923.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.04.28

End Date:

2015.04.28

Last Calib.:

2015.04.28

Start Time: 02:17:24

End Time:

09:55:23

Time On Btm:

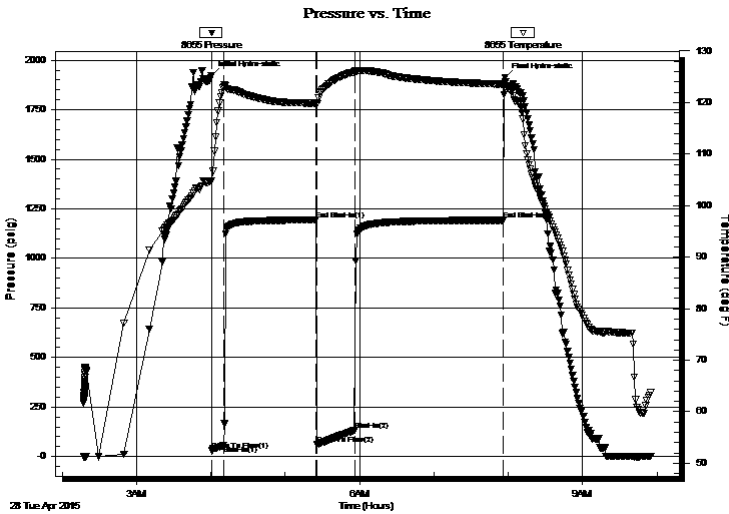
2015.04.28 @ 04:00:23

Time Off Btm:

2015.04.28 @ 07:57:23

TEST COMMENT: 010- IF- Slow ly built to 5"
075- IS- No blow
030- FF- BOB 30 mins
120- FS- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1920.84	104.84	Initial Hydro-static
1	30.16	104.86	Open To Flow (1)
10	56.59	123.13	Shut-In(1)
85	1193.15	119.87	End Shut-In(1)
85	60.56	119.55	Open To Flow (2)
116	132.24	125.93	Shut-In(2)
236	1192.45	123.56	End Shut-In(2)
237	1911.61	122.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
250.00	MW, 15%M 85%W	3.25

* Recovery from multiple tests

Gas Rates

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



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Dale #1-18
 Job Ticket: 61169 **DST#: 2**
 Test Start: 2015.04.28 @ 02:17:23

GENERAL INFORMATION:

Formation:	LKC "F"		
Deviated:	No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened:	04:00:53		Tester: Brannan Lonsdale
Time Test Ended:	09:55:23		Unit No: 62
Interval:	3902.00 ft (KB) To 3926.00 ft (KB) (TVD)		Reference Elevations: 2690.00 ft (KB)
Total Depth:	3926.00 ft (KB) (TVD)		2682.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition: Fair	KB to GR/CF: 8.00 ft

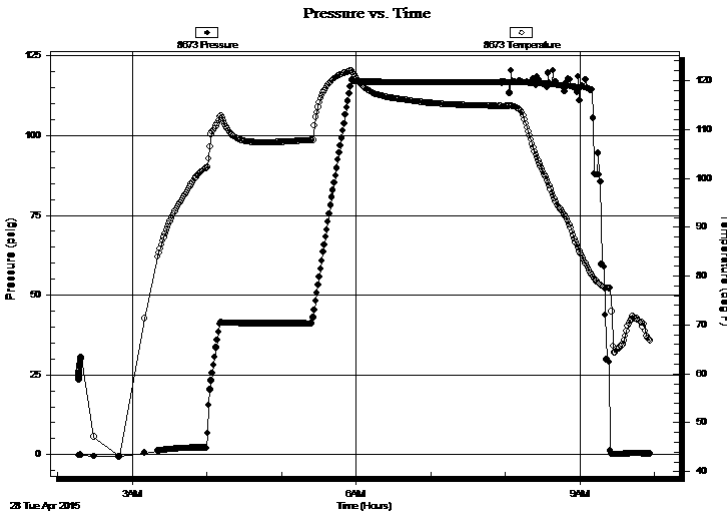
Serial #: 8673

Fluid

Press@RunDepth:	psig @	3876.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2015.04.28	End Date:	2015.04.28	Last Calib.:	2015.04.28
Start Time:	02:16:56	End Time:	09:56:25	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 010- IF- Slow ly built to 5"
 075- IS- No blow
 030- FF- BOB 30 mins
 120- FS- No blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
250.00	MW, 15%M 85%W	3.25

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

Samuel Gary Jr. & Associates, Inc.

18-10S-27W Sheridan, KS

1515 Wynkoop, Stw 700
Denver, CO 80202

Dale #1-18

Job Ticket: 61169

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2015.04.28 @ 02:17:23

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:

40000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 750.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
250.00	MW, 15%M 85%W	3.248

Total Length: 250.00 ft Total Volume: 3.248 bbl

Num Fluid Samples: 0

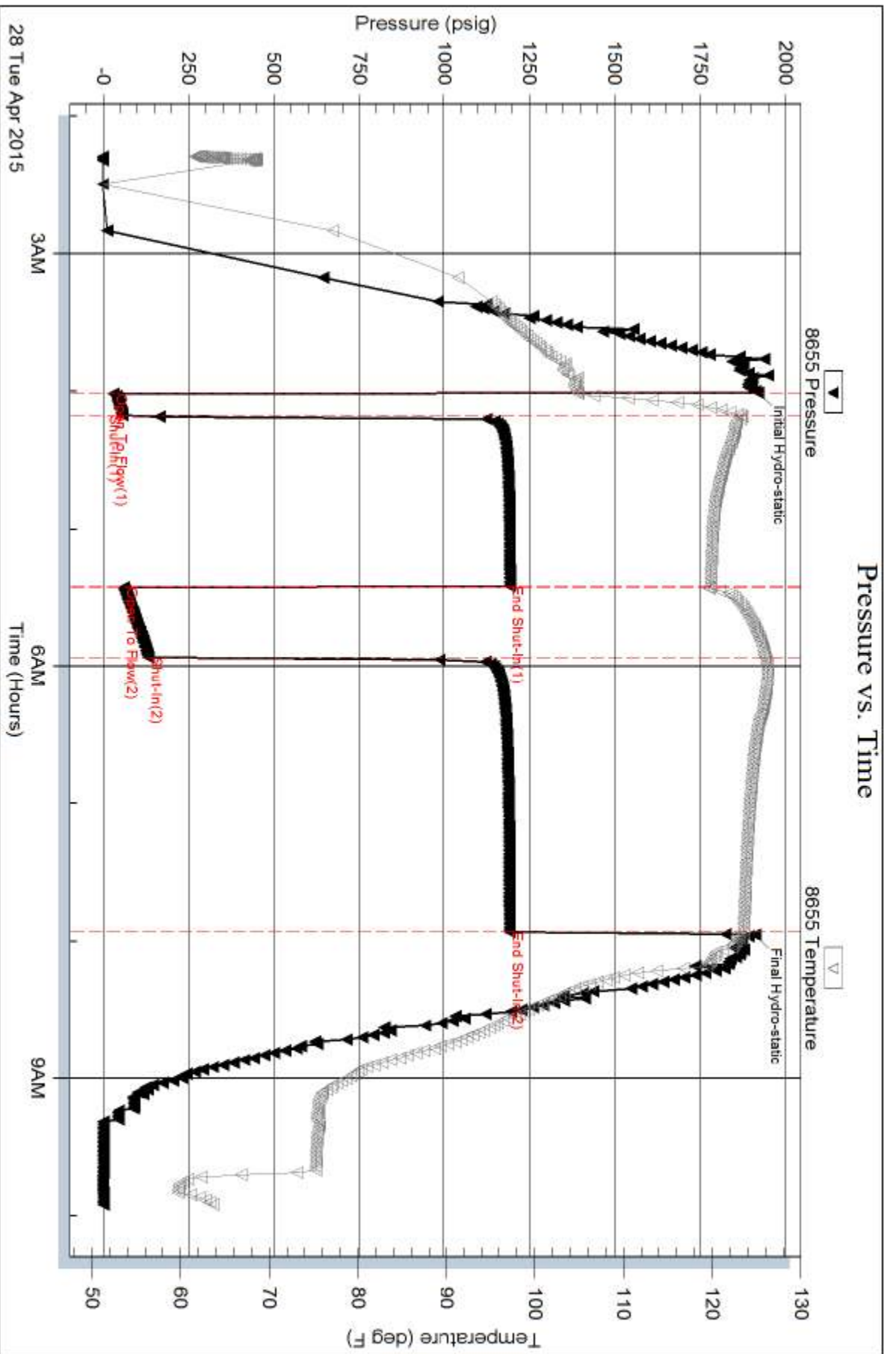
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8673

Fluid

Samuel Gary Jr. & Associates, Inc.

Date #1-18

DST Test Number: 2

