



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Sam Gary Jr. Associates Inc

**1-4S-36W Rawlins KS**

1515 Wynkoop  
STE 700  
Denver Co 80202  
ATTN: Clayton Camozzi

**Fisher Cattle Co#1-1**

Job Ticket: 58295 **DST#: 5**

Test Start: 2014.08.14 @ 15:21:00

## GENERAL INFORMATION:

Formation: **LKC " G "**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:26:10  
 Time Test Ended: 22:51:20  
 Interval: **4282.00 ft (KB) To 4306.00 ft (KB) (TVD)**  
 Total Depth: 4390.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brandon Quintana  
 Unit No: 78  
 Reference Elevations: 3267.00 ft (KB)  
 3262.00 ft (CF)  
 KB to GR/CF: 5.00 ft

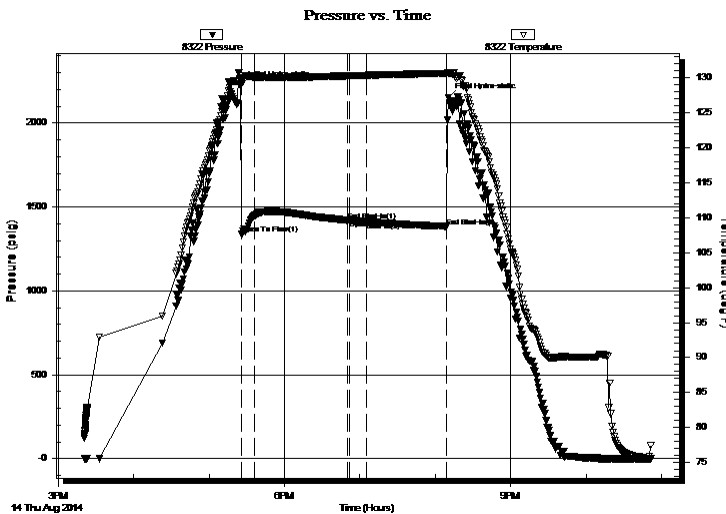
## Serial #: 8322

**Outside**

Press @ Run Depth: 1411.28 psig @ 4283.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.08.14 End Date: 2014.08.14 Last Calib.: 2014.08.14  
 Start Time: 15:21:01 End Time: 22:51:20 Time On Btm: 2014.08.14 @ 17:25:20  
 Time Off Btm: 2014.08.14 @ 20:10:20

**TEST COMMENT:** 10 - IF - Opened w/ surface blow , didn't build  
 75 - ISI - No Return  
 15- FF - No Blow  
 60 - FSI - No Return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2225.05	129.48	Initial Hydro-static
1	1337.25	129.63	Open To Flow (1)
11	1450.21	130.02	Shut-In(1)
85	1420.67	130.23	End Shut-In(1)
86	1420.10	130.23	Open To Flow (2)
100	1411.28	130.31	Shut-In(2)
164	1384.55	130.59	End Shut-In(2)
165	2150.72	130.62	Final Hydro-static

## Recovery

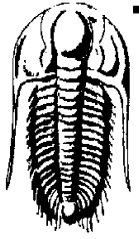
Length (ft)	Description	Volume (bbl)
2.00	100% mud	0.01

\* Recovery from multiple tests

## Gas Rates

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





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Job Ticket: 58295 **DST#: 5**  
Test Start: 2014.08.14 @ 15:21:00

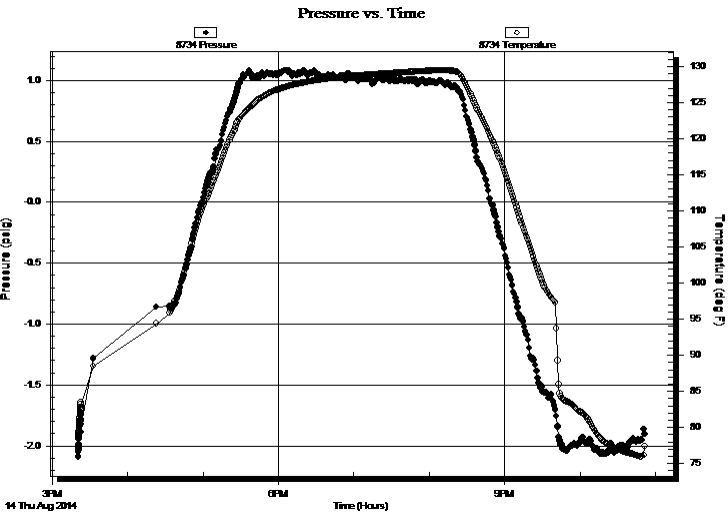
**GENERAL INFORMATION:**

Formation: **LKC " G "**  
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)  
 Time Tool Opened: 17:26:10 Tester: Brandon Quintana  
 Time Test Ended: 22:51:20 Unit No: 78  
**Interval: 4282.00 ft (KB) To 4306.00 ft (KB) (TVD)** Reference Elevations: 3267.00 ft (KB)  
 Total Depth: 4390.00 ft (KB) (TVD) 3262.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

**Serial #: 8734**

Press @ Run Depth: psig @ ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.08.14 End Date: 2014.08.14 Last Calib.: 2014.08.14  
 Start Time: 15:21:01 End Time: 22:51:30 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** 10 - IF - Opened w/ surface blow , didn't build  
 75 - ISI - No Return  
 15- FF - No Blow  
 60 - FSI - No Return



**PRESSURE SUMMARY**

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

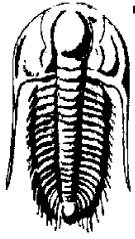
**Recovery**

Length (ft)	Description	Volume (bbl)
2.00	100% mud	0.01

\* Recovery from multiple tests

**Gas Rates**

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



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ATTN: Clayton Camozzi

**Fisher Cattle Co#1-1**

Job Ticket: 58295

**DST#: 5**

Test Start: 2014.08.14 @ 15:21:00

**GENERAL INFORMATION:**

Formation: **LKC " G "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:26:10

Time Test Ended: 22:51:20

Test Type: Conventional Bottom Hole (Reset)

Tester: Brandon Quintana

Unit No: 78

**Interval: 4282.00 ft (KB) To 4306.00 ft (KB) (TVD)**

Reference Elevations: 3267.00 ft (KB)

Total Depth: 4390.00 ft (KB) (TVD)

3262.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8366 Below (Straddle)**

Press@RunDepth: psig @ 4917.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.14

End Date:

2014.08.14

Last Calib.:

2014.08.14

Start Time: 15:21:05

End Time:

22:51:29

Time On Btm:

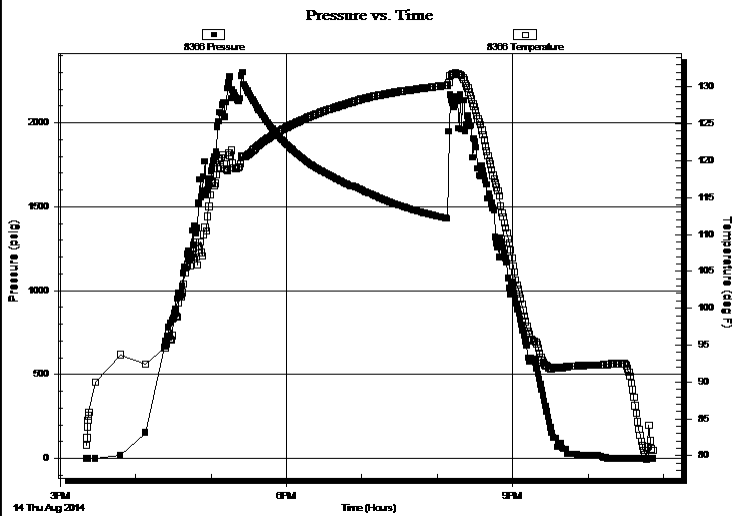
Time Off Btm:

**TEST COMMENT:** 10 - IF - Opened w/ surface blow , didn't build

75 - ISI - No Return

15- FF - No Blow

60 - FSI - No Return



**PRESSURE SUMMARY**

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

**Recovery**

Length (ft)	Description	Volume (bbl)
2.00	100% mud	0.01

**Gas Rates**

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

\* Recovery from multiple tests



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**FLUID SUMMARY**

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**Fisher Cattle Co#1-1**

Job Ticket: 58295      **DST#: 5**  
Test Start: 2014.08.14 @ 15:21:00

**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:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: 2.00 inches			

**Recovery Information**

Recovery Table

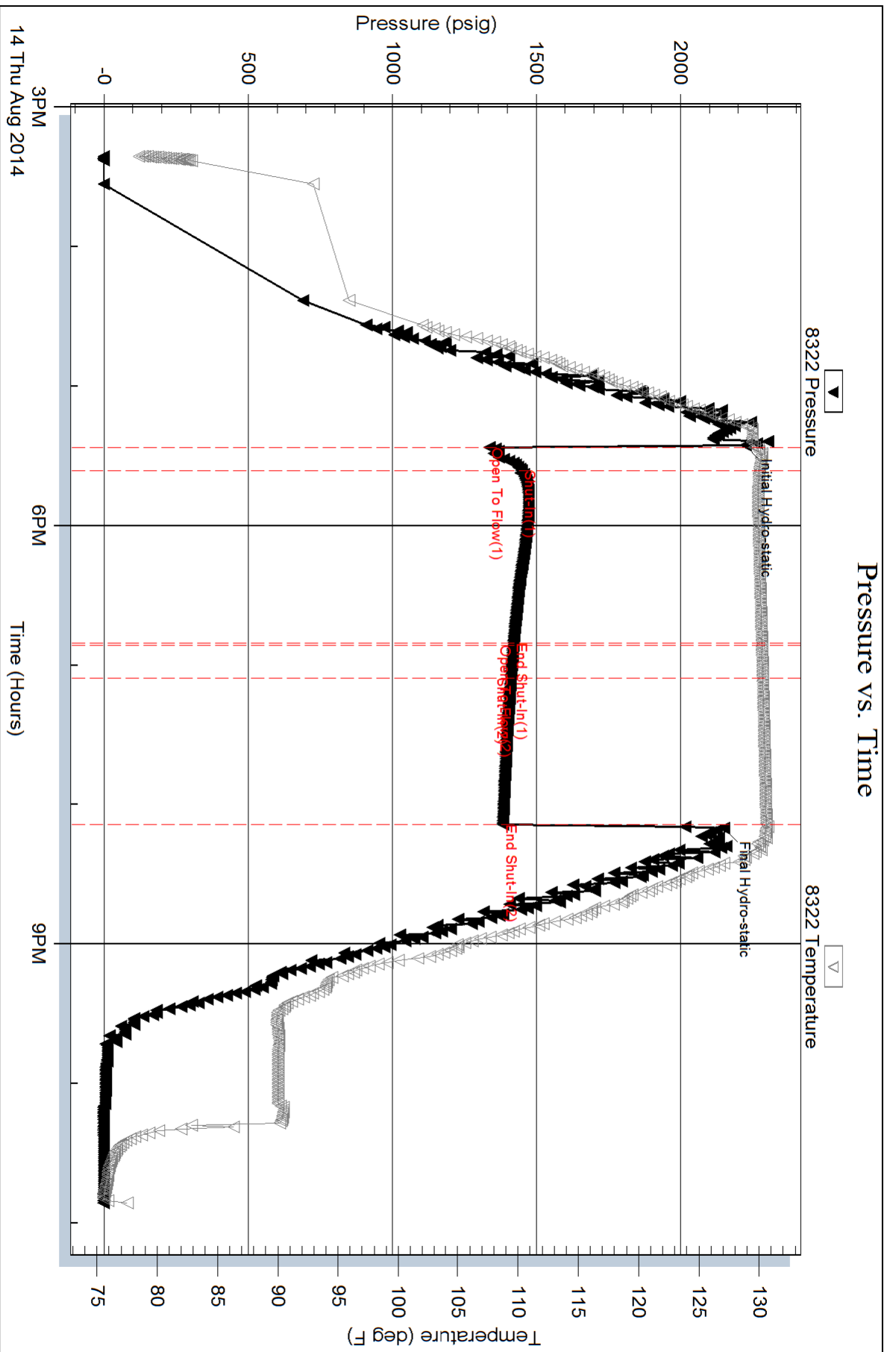
Length ft	Description	Volume bbl
2.00	100% mud	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:



Serial #: 6752

Inside

Sam Gary Jr. Associates Inc

Fisher Cattle Co#1-1

DST Test Number: 5

