



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC.  
2020 N Bramblewood  
Wichita Ks. 67206+1094  
ATTN: Bryan Bynog

**30-14s-14w Russell**  
**Hummel #5**  
Job Ticket: 45692      **DST#: 2**  
Test Start: 2012.02.17 @ 15:51:05

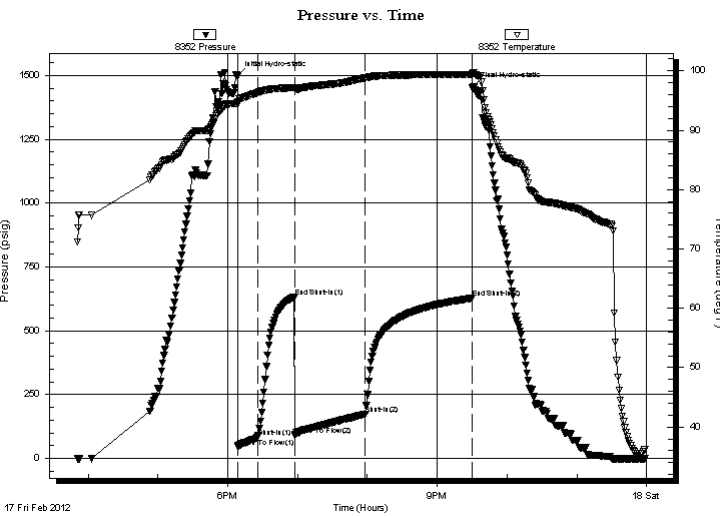
## GENERAL INFORMATION:

Formation: **LKC"F-G"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:08:40  
Time Test Ended: 23:58:50  
Interval: **3010.00 ft (KB) To 3048.00 ft (KB) (TVD)**  
Total Depth: 3048.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Poor  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Andy Carreira  
Unit No: 39  
Reference Elevations: 1790.00 ft (KB)  
1779.00 ft (CF)  
KB to GR/CF: 11.00 ft

## Serial #: 8352      Outside

Press@RunDepth: 174.77 psig @ 3013.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.02.17      End Date: 2012.02.17      Last Calib.: 2012.02.18  
Start Time: 15:51:05      End Time: 23:58:50      Time On Btm: 2012.02.17 @ 18:08:20  
Time Off Btm: 2012.02.17 @ 21:30:59

**TEST COMMENT:** IF:(15min) BOB, 2 min.  
IS:(30min) Return Surface blow died in 9 min.  
FF:(60min) BOB, 1 min.  
FS:(90min) Gas to surface 6 min. after bleed off. 4" blow died in 28 min.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1498.38	94.60	Initial Hydro-static
1	45.63	94.26	Open To Flow (1)
18	82.30	96.28	Shut-In(1)
49	633.65	97.17	End Shut-In(1)
50	91.47	96.96	Open To Flow (2)
110	174.77	98.79	Shut-In(2)
202	627.68	99.34	End Shut-In(2)
203	1457.04	99.73	Final Hydro-static

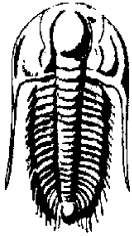
## Recovery

Length (ft)	Description	Volume (bbl)
250.00	HOCGM g=20% o=30% m=50%	1.23
165.00	CGO g=10% o=90%	0.81

\* Recovery from multiple tests

## Gas Rates

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



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**Hummel #5**  
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Formation: <b>LKC"F-G"</b>	
Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 18:08:40	Tester: Andy Carreira
Time Test Ended: 23:58:50	Unit No: 39
<b>Interval: 3010.00 ft (KB) To 3048.00 ft (KB) (TVD)</b>	Reference Elevations: 1790.00 ft (KB)
Total Depth: 3048.00 ft (KB) (TVD)	1779.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Poor	KB to GR/CF: 11.00 ft

<b>Serial #: 8017</b>	<b>Inside</b>		
Press@RunDepth:                  psig @	3013.00 ft (KB)	Capacity:	8000.00 psig
Start Date:                  2012.02.17	End Date:                  2012.02.17	Last Calib.:	2012.02.18
Start Time:                  15:51:05	End Time:                  23:58:50	Time On Btm:	
		Time Off Btm:	

**TEST COMMENT:** IF:(15min) BOB, 2 min.  
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### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
250.00	HOCGM g=20% o=30% m=50%	1.23
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### Gas Rates

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

\* Recovery from multiple tests



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco LLC.

**30-14s-14w Russell**

2020 N Bramblewood  
Wichita Ks. 67206+1094

**Hummel #5**

Job Ticket: 45692

**DST#: 2**

ATTN: Bryan Bynog

Test Start: 2012.02.17 @ 15:51:05

## 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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
250.00	HOCGM g=20% o=30% m=50%	1.229
165.00	CGO g=10% o=90%	0.811

Total Length: 415.00 ft      Total Volume: 2.040 bbl

Num Fluid Samples: 0

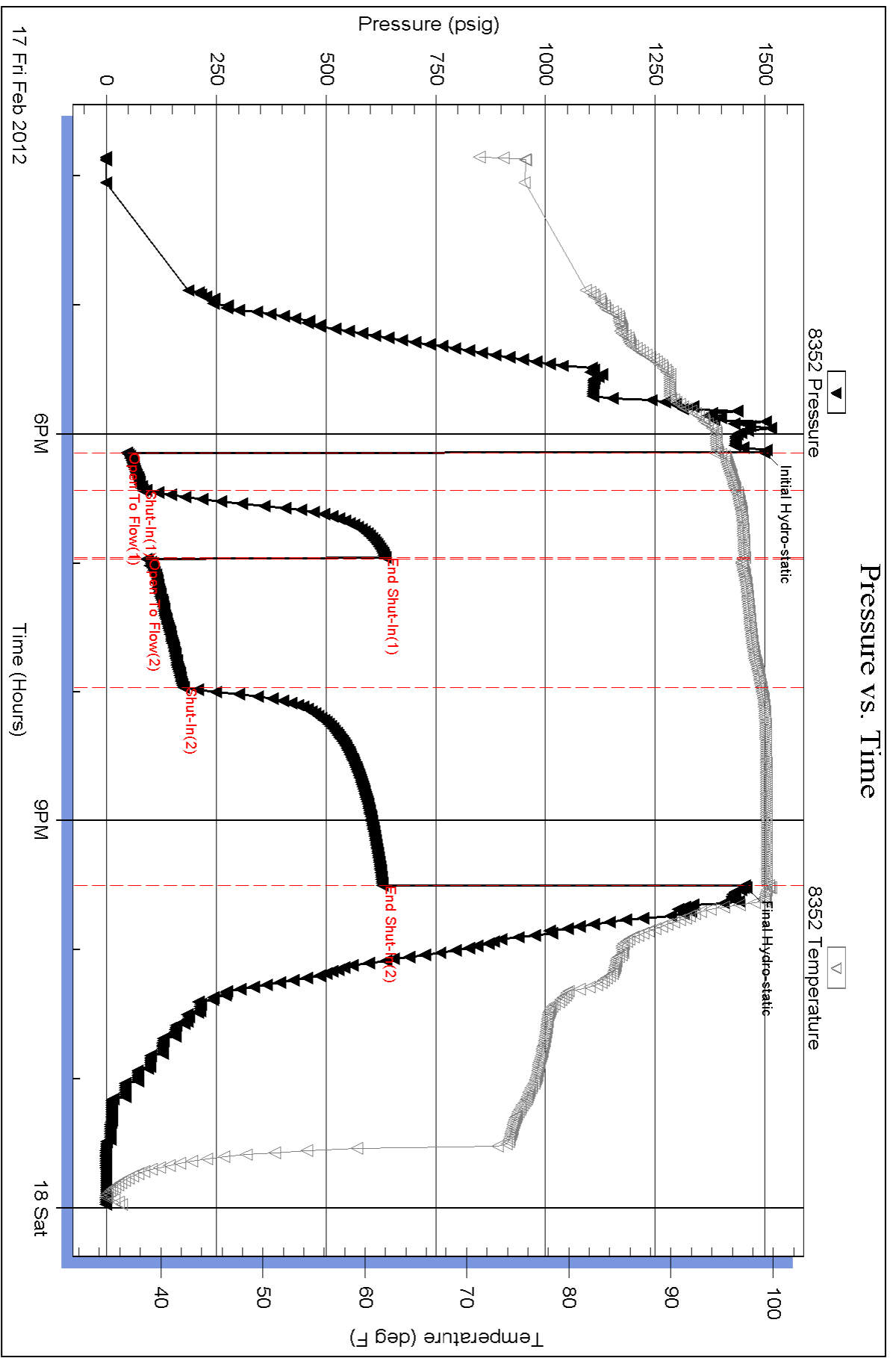
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Serial #: 8017

Inside

Berexco LLC

Hummel #5

DST Test Number: 2

