



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary
1515 Whyntoop St.
Ste. 700
Denver Co.80202
ATTN: Jeff

7 10s 22w Gramhm Ks.

Stites #1-7

Job Ticket: 53598

DST#: 3

Test Start: 2013.11.19 @ 21:33:00

GENERAL INFORMATION:

Formation: **LKC-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:09:30
 Time Test Ended: 04:58:30
 Interval: **3831.00 ft (KB) To 3872.00 ft (KB) (TVD)**
 Total Depth: 3872.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Kreuzer Jr.
 Unit No: 61
 Reference Elevations: 2396.00 ft (KB)
 2388.00 ft (CF)
 KB to GR/CF: 8.00 ft

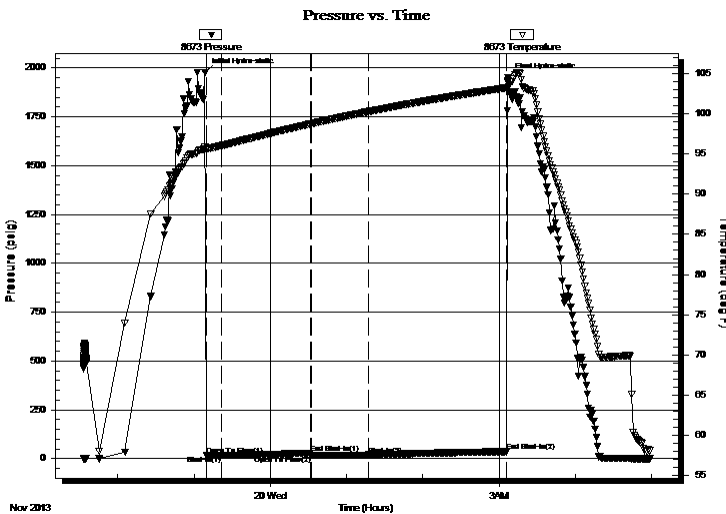
Serial #: 8673

Inside

Press @ Run Depth: 19.40 psig @ 3832.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.19 End Date: 2013.11.20 Last Calib.: 2013.11.20
 Start Time: 21:33:01 End Time: 04:58:30 Time On Btm: 2013.11.19 @ 23:08:30
 Time Off Btm: 2013.11.20 @ 03:07:00

TEST COMMENT: IF: Weak blow surface over 10 mins.
 IS: No blow back
 FF: Weak blow dead in 10 mins.
 FS: No blow back over 120 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1976.08	95.84	Initial Hydro-static
1	16.58	95.47	Open To Flow (1)
13	16.00	96.04	Shut-In(1)
83	29.03	98.75	End Shut-In(1)
84	16.39	98.78	Open To Flow (2)
129	19.40	100.28	Shut-In(2)
237	36.08	103.24	End Shut-In(2)
239	1950.27	104.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
9.00	mud	0.04
0.00	3000ml. 25psi-sampler	0.00

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Test Start: 2013.11.19 @ 21:33:00

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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3250.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
9.00	mud	0.044
0.00	3000ml. 25psi-sampler	0.000

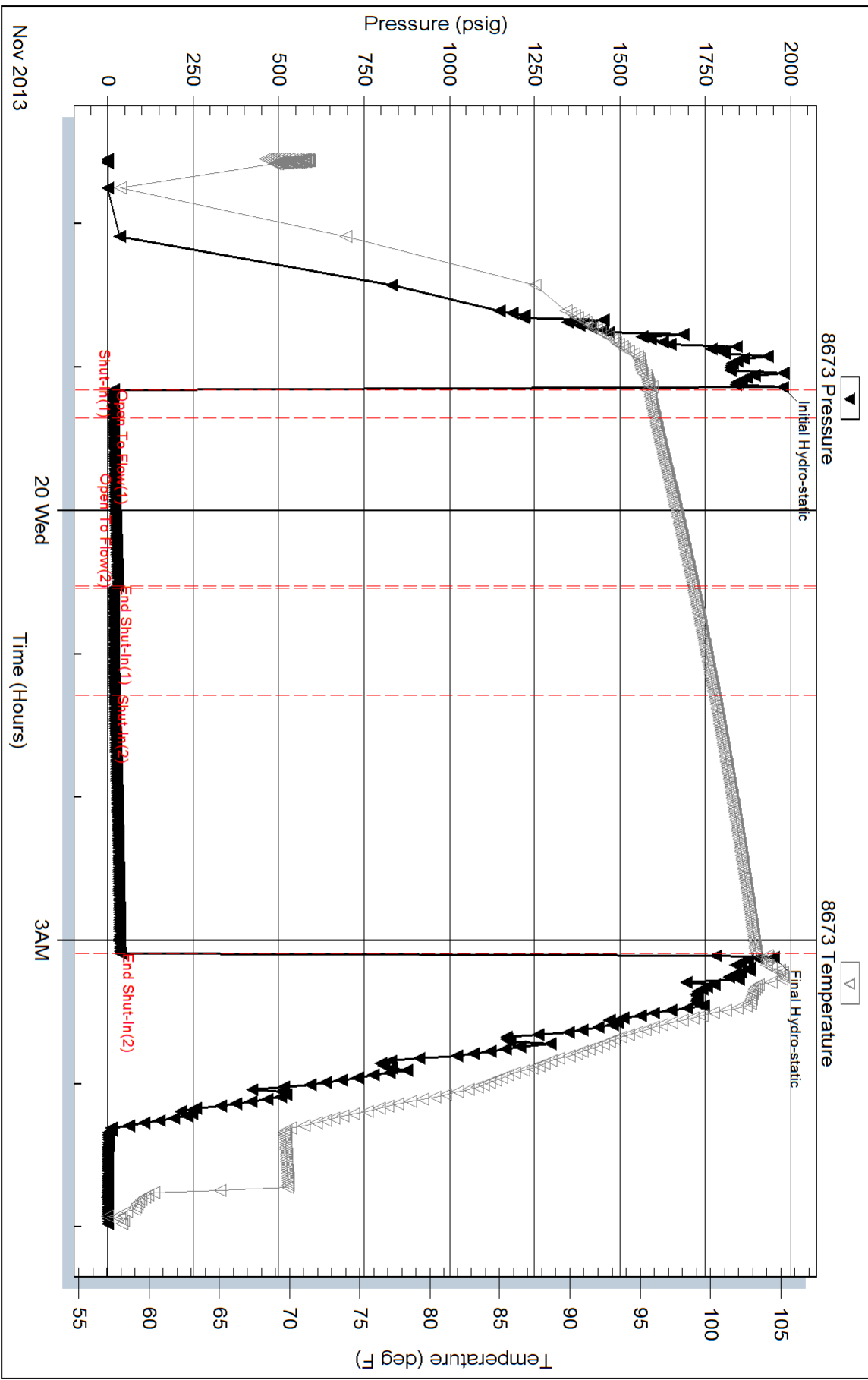
Total Length: 9.00 ft Total Volume: 0.044 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 8791

Fluid

Sam Gary

Sites #1-7

DST Test Number: 3

