



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Sam Gary
1515 Wynkoop St. 700 Denver Co. 80202
ATTN:

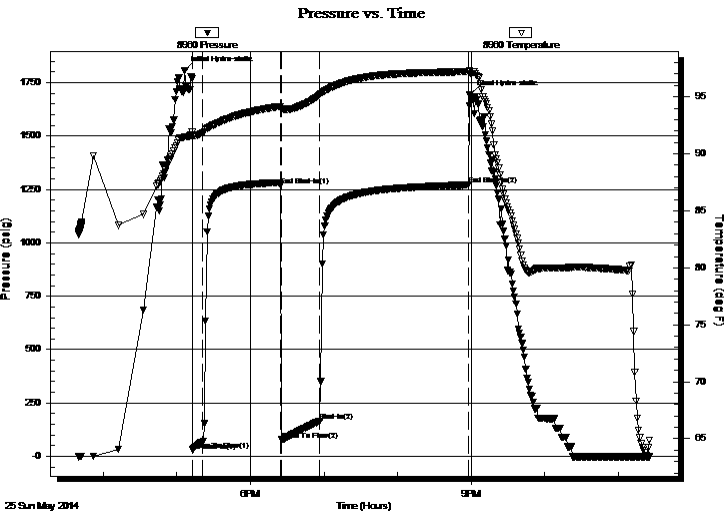
26 4s 24w Norton Ks
Hazlett 1-26
Job Ticket: 58185 **DST#: 3**
Test Start: 2014.05.25 @ 15:40:00

GENERAL INFORMATION:

Formation: **LKC-B&C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 17:13:00
Time Test Ended: 23:25:30
Interval: **3588.00 ft (KB) To 3631.00 ft (KB) (TVD)**
Total Depth: 3631.00 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: 2483.00 ft (KB)
2475.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8960 Inside
Press @ Run Depth: 165.87 psig @ 3595.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.05.25 End Date: 2014.05.25 Last Calib.: 2014.05.26
Start Time: 15:40:01 End Time: 23:25:30 Time On Btm: 2014.05.25 @ 17:06:30
Time Off Btm: 2014.05.25 @ 20:59:00

TEST COMMENT: IF: Fair blow , Built to 7 in. over 10 mins.
IS: No blow back over 60 mins.
FF: Strong blow , Built to B.O.B over 11 mins.
FS: Weak surface blow back died in 20 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1807.42	91.48	Initial Hydro-static
7	30.10	91.50	Open To Flow (1)
15	67.63	91.82	Shut-In(1)
78	1269.03	94.16	End Shut-In(1)
79	77.72	93.91	Open To Flow (2)
110	165.87	95.17	Shut-In(2)
231	1271.13	97.20	End Shut-In(2)
233	1694.07	97.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	Gw cmo-20%g5%w 25%m50%o	1.49
282.00	go-35%g65%o	3.96
0.00	471ft. gas in pipe	0.00
0.00	25psi. 2000 ml. go- 30%g70%o	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: 2014.05.25 @ 15:40:00

Mud and Cushion Information

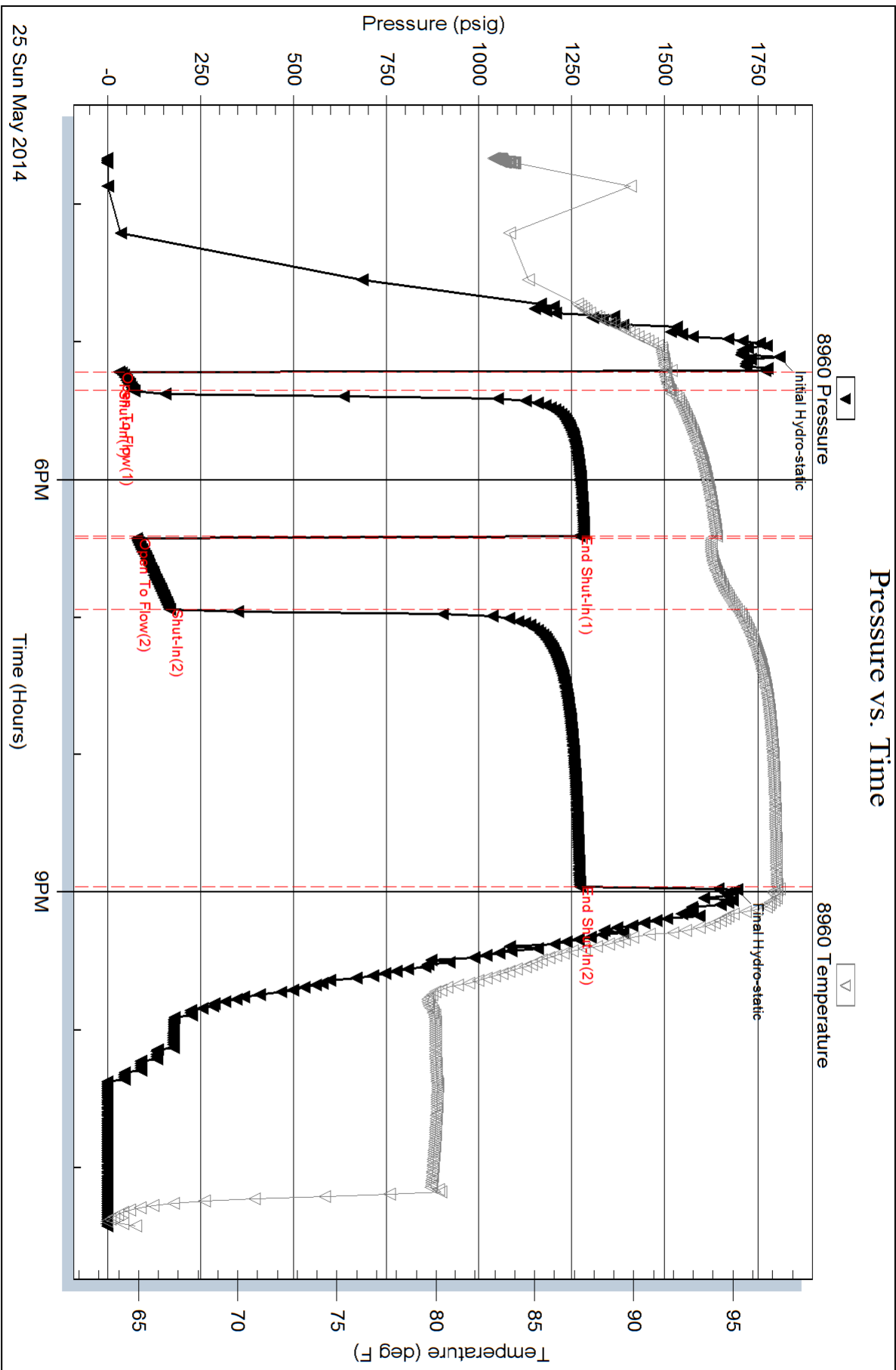
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	Gw cmo-20%g5%w 25%m50%o	1.485
282.00	go-35%g65%o	3.956
0.00	471ft. gas in pipe	0.000
0.00	25psi. 2000 ml. go- 30%g70%o	0.000

Total Length: 408.00 ft Total Volume: 5.441 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



Serial #: 8651

Fluid

Sam Gary

Hazlett 1-26

DST Test Number: 3

