



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr & Assoc.

1/5s/24w

1515 Wynkoop, STE 700
Denver, Co 80202

Neurnburger #2-1

Job Ticket: 58352

DST#: 3

ATTN: Dan Pritchard

Test Start: 2014.06.26 @ 13:30:00

GENERAL INFORMATION:

Formation: **LKC "B & C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:38:00

Time Test Ended: 21:06:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Quintana

Unit No: Truck & Trailer

Interval: 3487.00 ft (KB) To 3516.00 ft (KB) (TVD)

Total Depth: 3516.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2339.00 ft (KB)

2331.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8653

Press @ Run Depth: 46.17 psig @ ft (KB)

Start Date: 2014.06.26

End Date: 2014.06.26

Start Time: 13:31:00

End Time: 21:06:00

Capacity: 8000.00 psig

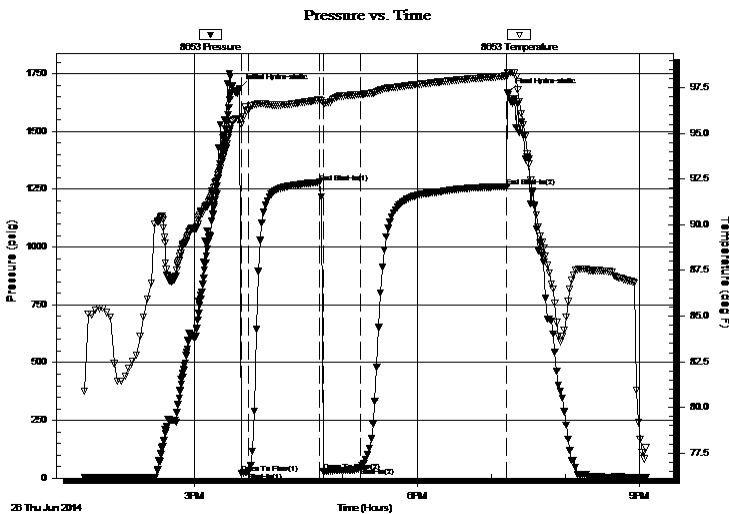
Last Calib.: 2014.06.26

Time On Btm: 2014.06.26 @ 15:36:30

Time Off Btm: 2014.06.26 @ 19:13:30

TEST COMMENT: 5- IF - Surface blow , did not build
60 - ISI - No Return
30 - FF - Surface blow , built to 1"
120 - FSI - No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1684.24	95.77	Initial Hydro-static
2	21.11	95.48	Open To Flow (1)
7	25.71	96.26	Shut-In(1)
65	1279.54	96.83	End Shut-In(1)
68	28.23	96.69	Open To Flow (2)
98	46.17	97.12	Shut-In(2)
216	1261.75	98.13	End Shut-In(2)
217	1669.59	98.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%o	0.02
30.00	OCM 70% m, 30% o	0.20

Gas Rates

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



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Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:38:00

Time Test Ended: 21:06:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Quintana

Unit No: Truck & Trailer

Interval: **3487.00 ft (KB) To 3516.00 ft (KB) (TVD)**

Reference Elevations: 2339.00 ft (KB)

Total Depth: 3516.00 ft (KB) (TVD)

2331.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8520

Press @ Run Depth: psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.06.26 End Date: 2014.06.26

Last Calib.: 2014.06.26

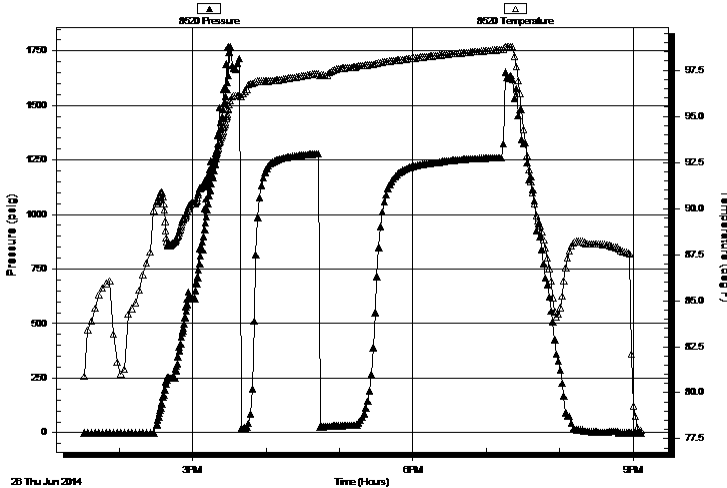
Start Time: 13:31:00 End Time: 21:07:30

Time On Btm:

Time Off Btm:

TEST COMMENT: 5- IF - Surface blow, did not build
60 - ISI - No Return
30 - FF - Surface blow, built to 1"
120 - FSI - No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%o	0.02
30.00	OCM 70%m, 30%o	0.20

Gas Rates

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



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1515 Wynkoop, STE 700
Denver, Co 80202

Neurnburger #2-1

Job Ticket: 58352 **DST#: 3**

ATTN: Dan Pritchard

Test Start: 2014.06.26 @ 13:30:00

GENERAL INFORMATION:

Formation: **LKC "B & C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:38:00

Time Test Ended: 21:06:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Quintana

Unit No: Truck & Trailer

Interval: 3487.00 ft (KB) To 3516.00 ft (KB) (TVD)

Reference Elevations: 2339.00 ft (KB)

Total Depth: 3516.00 ft (KB) (TVD)

2331.00 ft (CF)

Hole Diameter: 7.88 inchesHole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8791

Press @RunDepth: psig @ ft (KB)

Start Date: 2014.06.26

End Date: 2014.06.26

Capacity: 8000.00 psig

Start Time: 13:31:00

End Time: 21:07:30

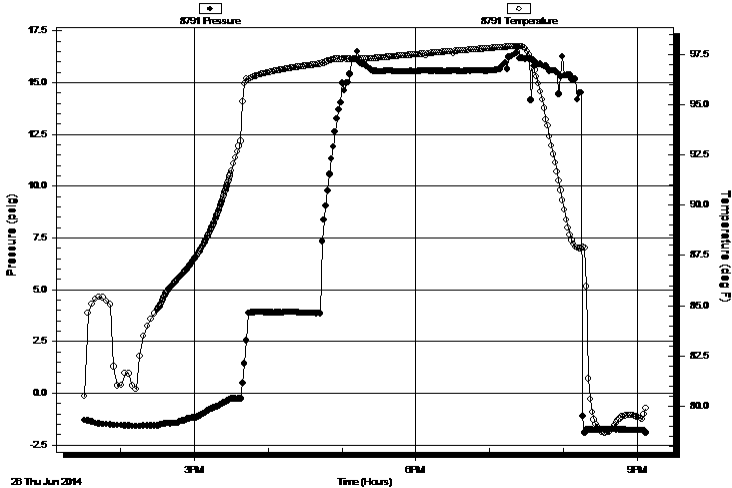
Last Calib.: 2014.06.26

Time On Btm:

Time Off Btm:

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Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%o	0.02
30.00	OCM 70% m, 30% o	0.20

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr & Assoc.

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1515 Wynkoop, STE 700
Denver, Co 80202

Neurnburger #2-1

Job Ticket: 58352

DST#: 3

ATTN: Dan Pritchard

Test Start: 2014.06.26 @ 13:30:00

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: sec/qt

Cushion Volume: bbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 1500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%o	0.025
30.00	OCM 70% _m , 30% _o	0.202

Total Length: 35.00 ft Total Volume: 0.227 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler had 500ml of OCM, Pressure was 580psi

