



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

25-10s-30w Sheridan

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Chris Mitchell

K&K Farms 1-25

Job Ticket: 61144

DST#: 3

Test Start: 2015.01.27 @ 15:51:02

GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:31:57

Time Test Ended: 22:02:26

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 4157.00 ft (KB) To 4179.00 ft (KB) (TVD)

Reference Elevations: 2905.00 ft (KB)

Total Depth: 4552.00 ft (KB) (TVD)

2897.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8018

Inside

Press@RunDepth: 31.74 psig @ 4162.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.27 End Date: 2015.01.27

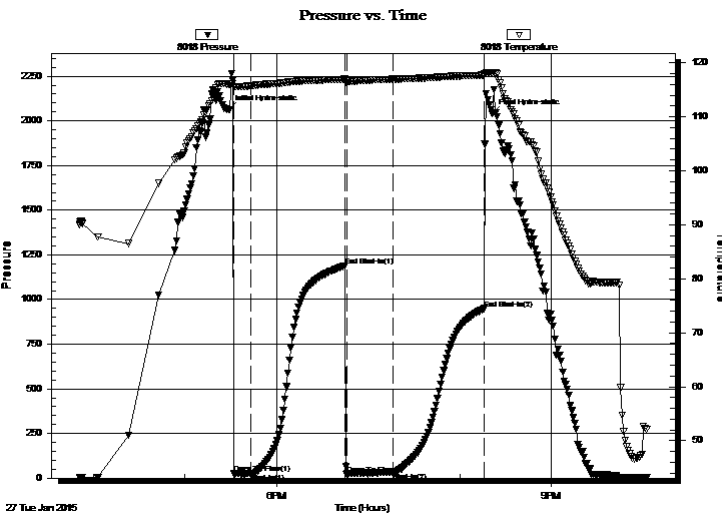
Last Calib.: 2015.01.27

Start Time: 15:51:02 End Time: 22:02:26

Time On Btm: 2015.01.27 @ 17:28:57

Time Off Btm: 2015.01.27 @ 20:21:26

TEST COMMENT: 10-IFP-w k bl thru-out surface to 3/4"bl
60-ISIP-no bl
30-FFP-w k to a gd bl 1/8"to 7"bl
60-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2062.79	116.05	Initial Hydro-static
3	24.88	115.63	Open To Flow (1)
14	25.29	115.74	Shut-In(1)
76	1189.31	116.96	End Shut-In(1)
77	22.48	116.64	Open To Flow (2)
107	31.74	116.95	Shut-In(2)
167	949.20	117.70	End Shut-In(2)
173	2039.31	118.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	O&GCM 5%G15%O80%M	0.12
0.00	220 'GIP	0.00

Gas Rates

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

* Recovery from multiple tests



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Tester: Ray Schwager

Unit No: 70

Interval: 4157.00 ft (KB) To 4179.00 ft (KB) (TVD)

Reference Elevations: 2905.00 ft (KB)

Total Depth: 4552.00 ft (KB) (TVD)

2897.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8652 Below (Straddle)

Press@RunDepth: psig @ 4206.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.27

End Date:

2015.01.27

Last Calib.:

2015.01.27

Start Time: 15:50:44

End Time:

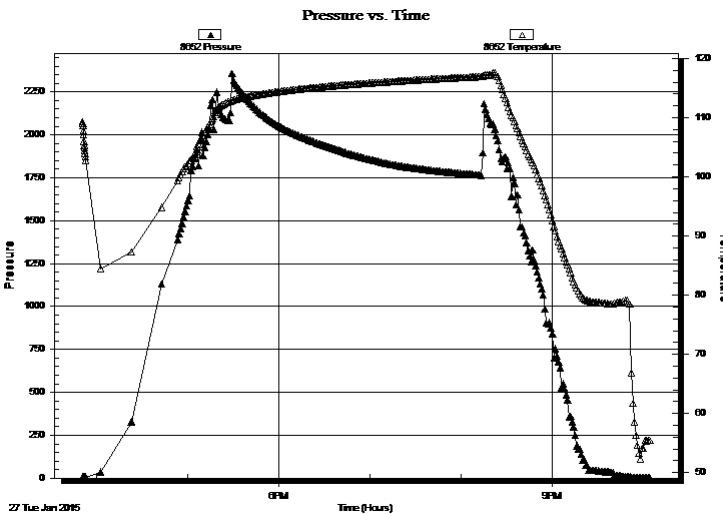
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Time On Btm:

Time Off Btm:

TEST COMMENT: 10-IFP-w k bl thru-out surface to 3/4"bl
60-ISIP-no bl
30-FFP-w k to a gd bl 1/8"to 7"bl
60-FSIP-no bl

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
25.00	O&GCM 5%G15%O80%M	0.12
0.00	220 'GIP	0.00

Gas Rates

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

* Recovery from multiple tests



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K&K Farms 1-25

Job Ticket: 61144 **DST#: 3**

Test Start: 2015.01.27 @ 15:51:02

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Time Test Ended: 22:02:26

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 70

Interval: 4157.00 ft (KB) To 4179.00 ft (KB) (TVD)

Total Depth: 4552.00 ft (KB) (TVD)

Hole Diameter: 7.85 inchesHole Condition: Fair

Reference Elevations: 2905.00 ft (KB)

2897.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8374

Fluid

Press@RunDepth: psig @ 4124.00 ft (KB)

Start Date: 2015.01.27

End Date:

2015.01.27

Capacity: 8000.00 psig

Last Calib.:

2015.01.27

Start Time:

15:50:25

End Time:

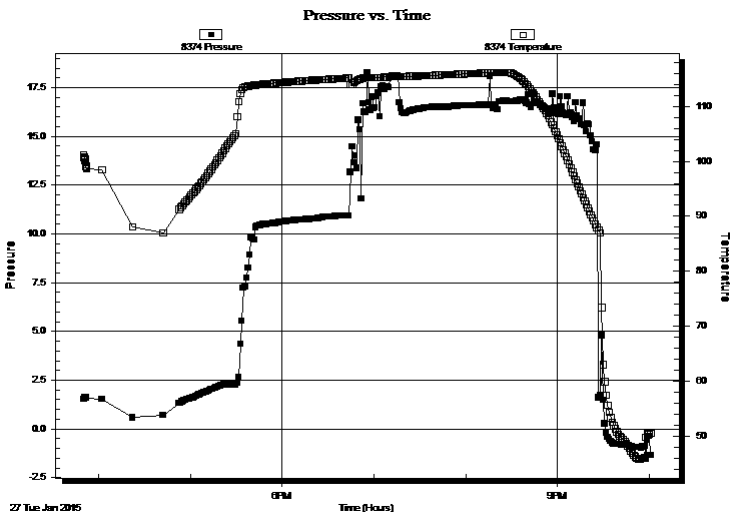
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Time On Btm:

Time Off Btm:

TEST COMMENT: 10-IFP-w k bl thru-out surface to 3/4"bl
60-ISIP-no bl
30-FFP-w k to a gd bl 1/8"to 7"bl
60-FSIP-no bl

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
25.00	O&GCM 5%G15%O80%M	0.12
0.00	220 'GIP	0.00

* Recovery from multiple tests

Gas Rates

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



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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 65.00 sec/qt
Water Loss: 7.17 in³
Resistivity: ohm.m
Salinity: 700.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	O&GCM 5%G15%O80%M	0.123
0.00	220 'GIP	0.000

Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0

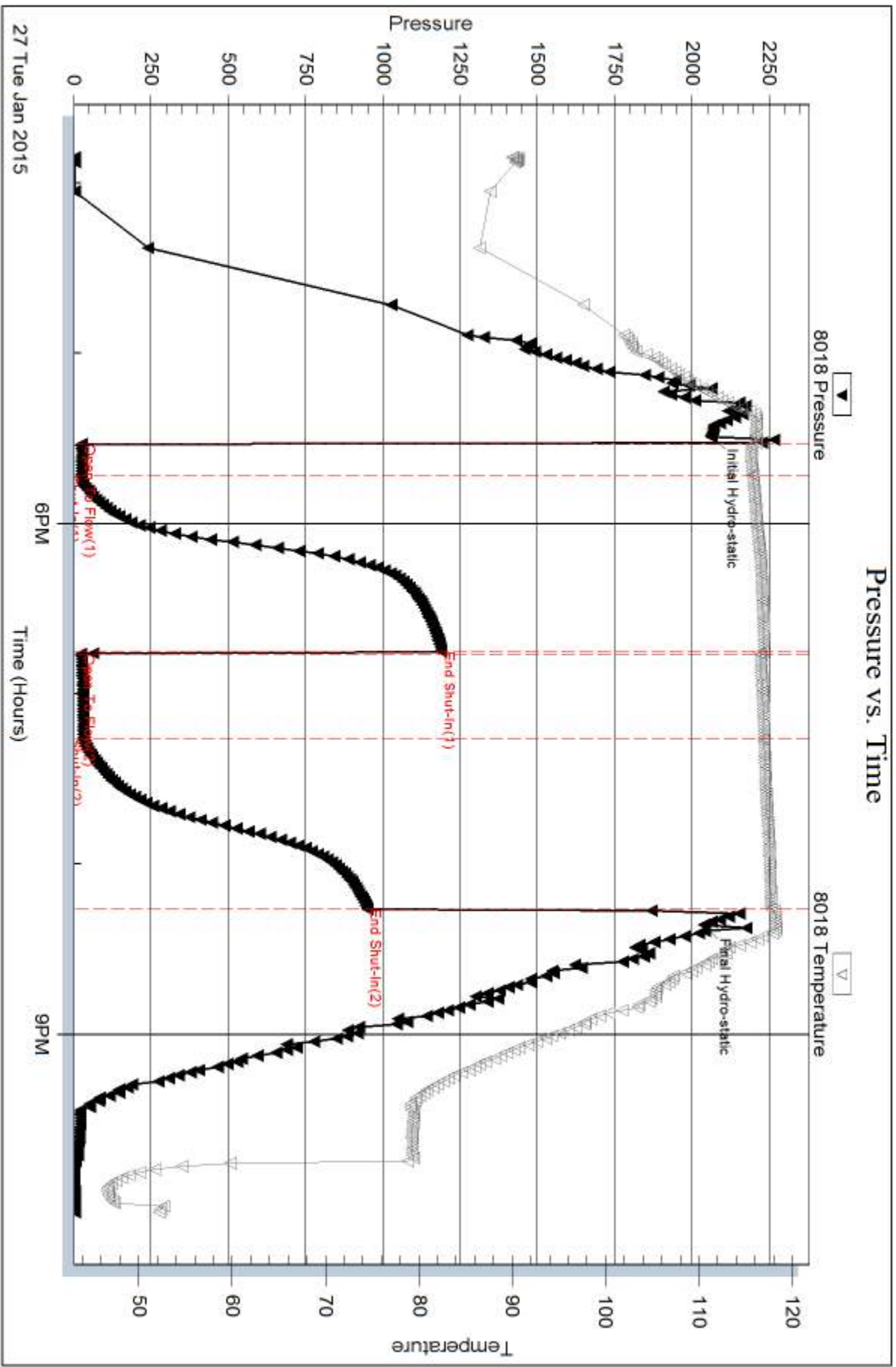
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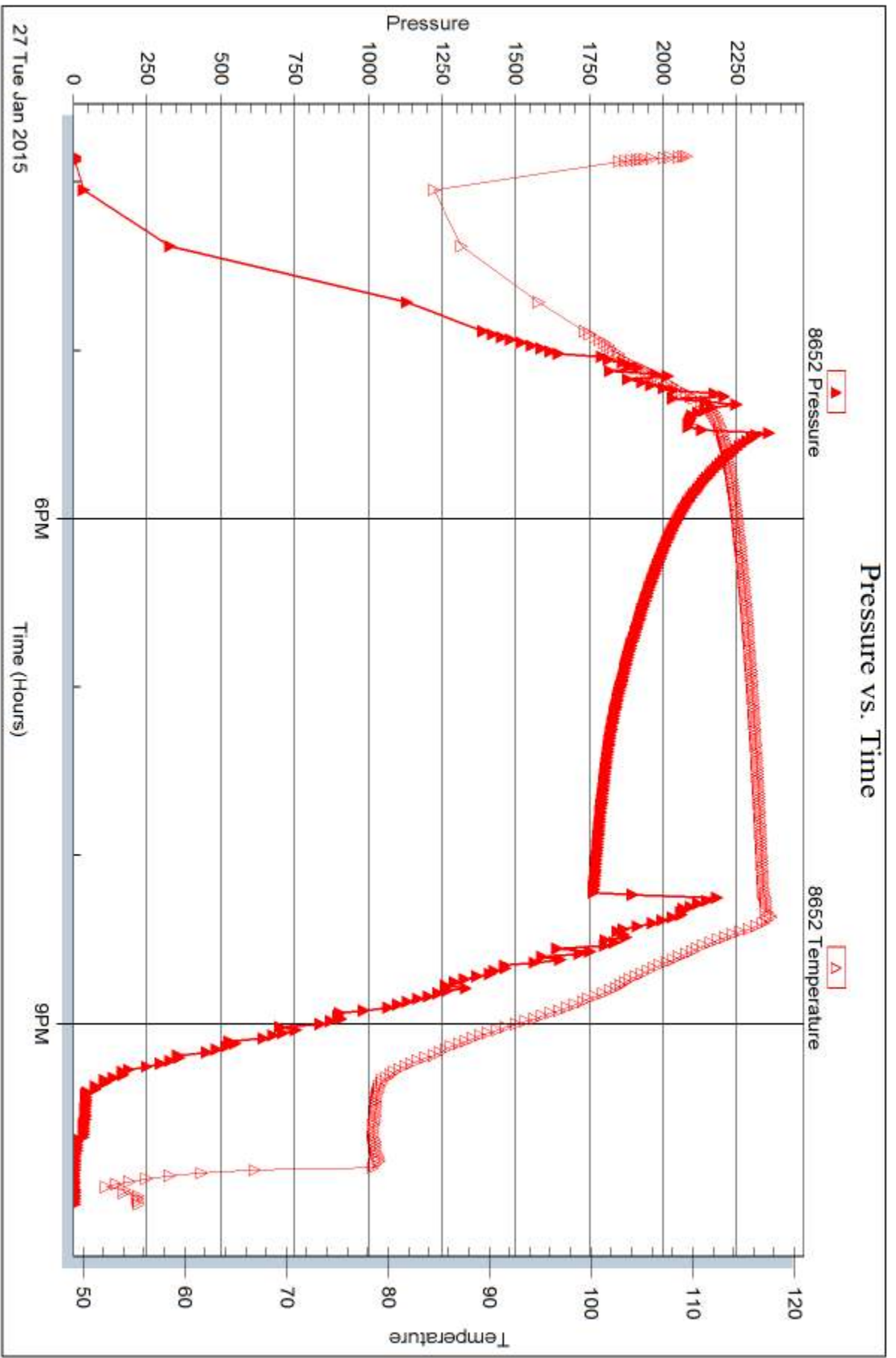
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





Serial #: 8374

Fluid

Samuel Gary Jr & Associates

K&K Farms 1-25

DST Test Number: 3

