



**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: 61142

DST#: 1

Test Start: 2015.01.24 @ 09:00:20

GENERAL INFORMATION:

Formation: **Tor, LKC A-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:26:45

Time Test Ended: 17:28:44

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: 3938.00 ft (KB) To 4011.00 ft (KB) (TVD)

Reference Elevations: 2905.00 ft (KB)

Total Depth: 4011.00 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 @ Run Depth: 407.97 psig @ 3943.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.24 End Date: 2015.01.24

Last Calib.: 2015.01.24

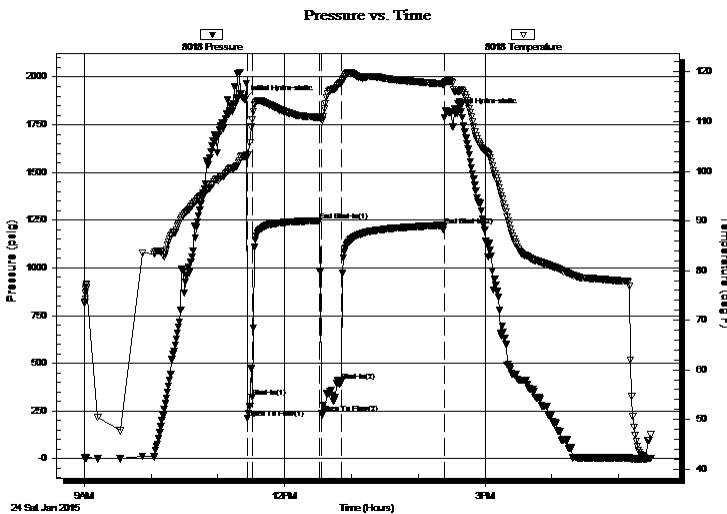
Start Time: 09:00:20 End Time: 17:28:44

Time On Btm: 2015.01.24 @ 11:23:45

Time Off Btm: 2015.01.24 @ 14:27:44

TEST COMMENT: 5-IFP-strg bl in 2 min
60-ISIP-no bl , 1st. 10 min ,then w k bl built to 3"bl
20-FFP-strg bl in 2min
90-FSIP-2" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1883.09	103.01	Initial Hydro-static
3	213.79	103.21	Open To Flow (1)
7	322.91	110.38	Shut-In(1)
68	1246.61	110.92	End Shut-In(1)
69	239.55	110.32	Open To Flow (2)
88	407.97	117.89	Shut-In(2)
180	1220.73	117.56	End Shut-In(2)
184	1815.30	118.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
340.00	MGO 20%G15%M65%O	4.50
560.00	CO	7.86
0.00	340'GIP	0.00

Gas Rates

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



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Reference Elevations: 2905.00 ft (KB)

Total Depth: 4011.00 ft (KB) (TVD)

2897.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8700 Outside

Press@RunDepth: psig @ 3943.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.24 End Date: 2015.01.24

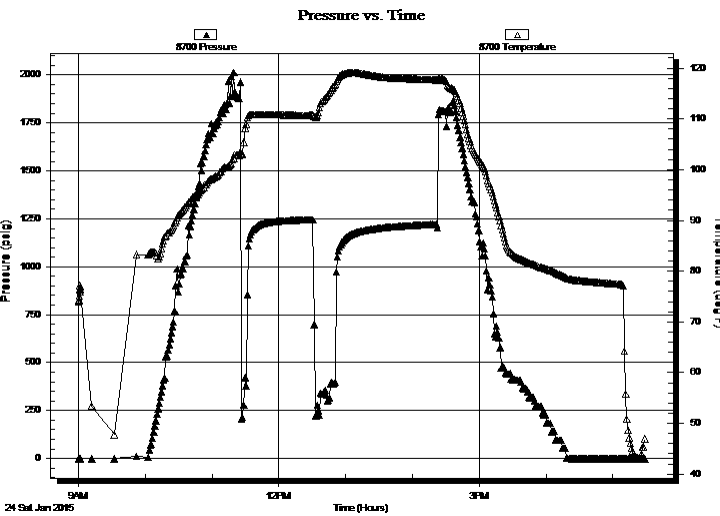
Last Calib.: 2015.01.24

Start Time: 09:00:09 End Time: 17:28:33

Time On Btm:

Time Off Btm:

TEST COMMENT: 5-IFP-strg bl in 2 min
60-ISIP-no bl , 1st. 10 min ,then w k bl built to 3"bl
20-FFP-strg bl in 2min
90-FSIP-2" bl bk



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
340.00	MGO 20%G15%M65%O	4.50
560.00	CO	7.86
0.00	340'GIP	0.00

Gas Rates

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



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Time Test Ended: 17:28:44

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 70

Interval: 3938.00 ft (KB) To 4011.00 ft (KB) (TVD)

Reference Elevations: 2905.00 ft (KB)

Total Depth: 4011.00 ft (KB) (TVD)

2897.00 ft (CF)

Hole Diameter: 7.85 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8374 Fluid

Press @ Run Depth: psig @ 3905.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.24

End Date: 2015.01.24

Last Calib.: 1899.12.30

Start Time: 09:00:29

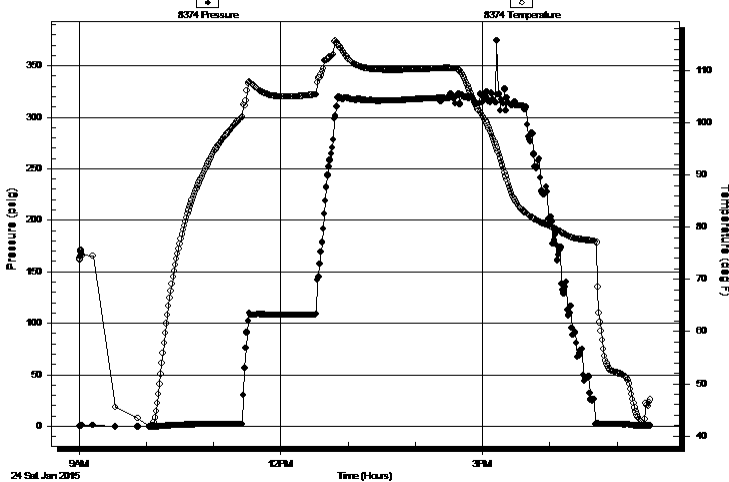
End Time: 17:29:53

Time On Btm:

Time Off Btm:

TEST COMMENT: 5-IFP-strg bl in 2 min
60-ISIP-no bl, 1st. 10 min ,then w k bl built to 3"bl
20-FFP-strg bl in 2min
90-FSIP-2" bl bk

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
340.00	MGO 20%G15%M65%O	4.50
560.00	CO	7.86
0.00	340'GIP	0.00

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

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ATTN: Chris Mitchell

K&K Farms 1-25

Job Ticket: 61142

DST#: 1

Test Start: 2015.01.24 @ 09:00:20

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 68.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 750.00 ppm
Filter Cake: 1.00 inches

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

Oil API: 34 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
340.00	MGO 20%G15%M65%O	4.496
560.00	CO	7.855
0.00	340'GIP	0.000

Total Length: 900.00 ft Total Volume: 12.351 bbl

Num Fluid Samples: 0

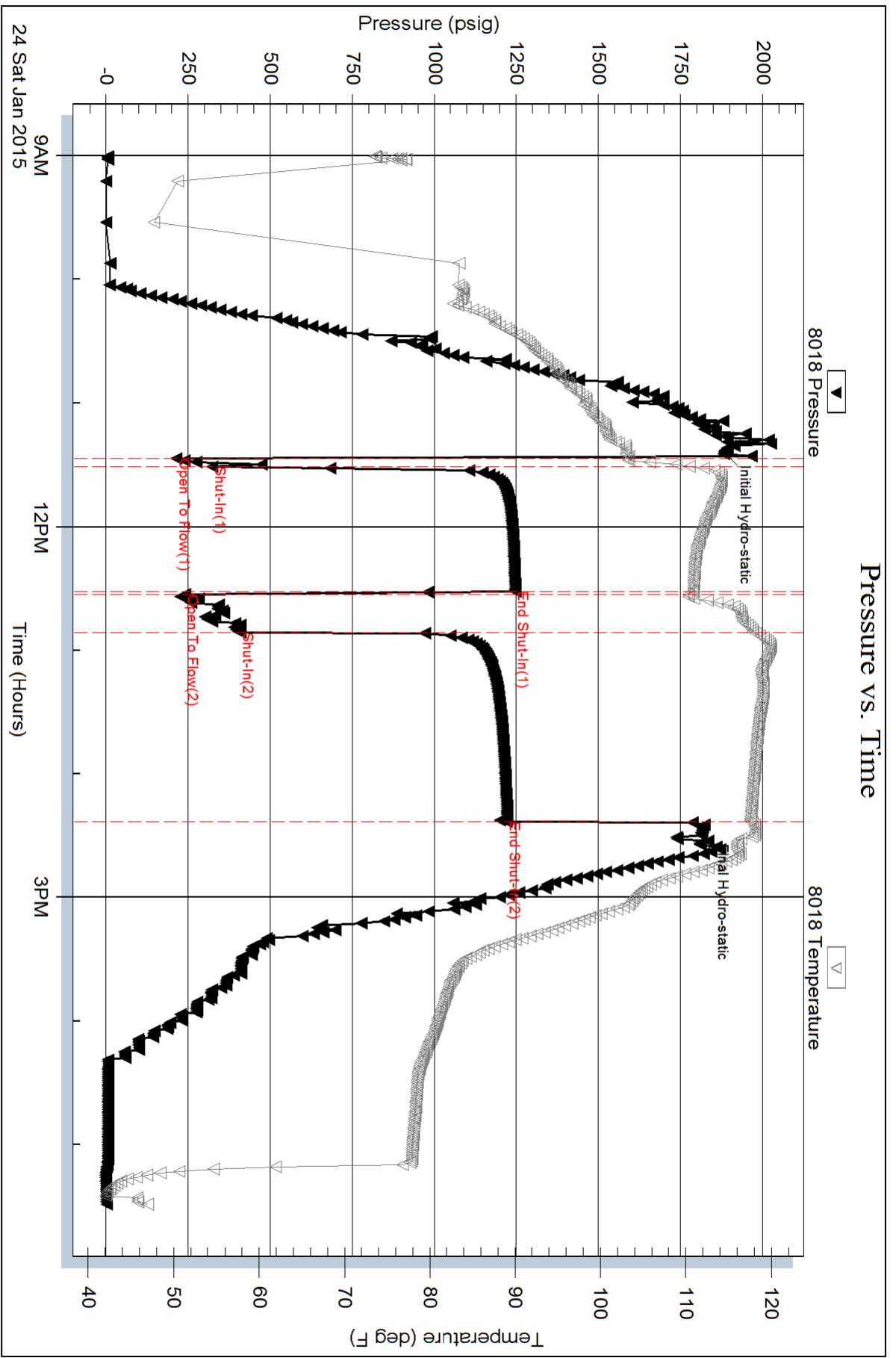
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

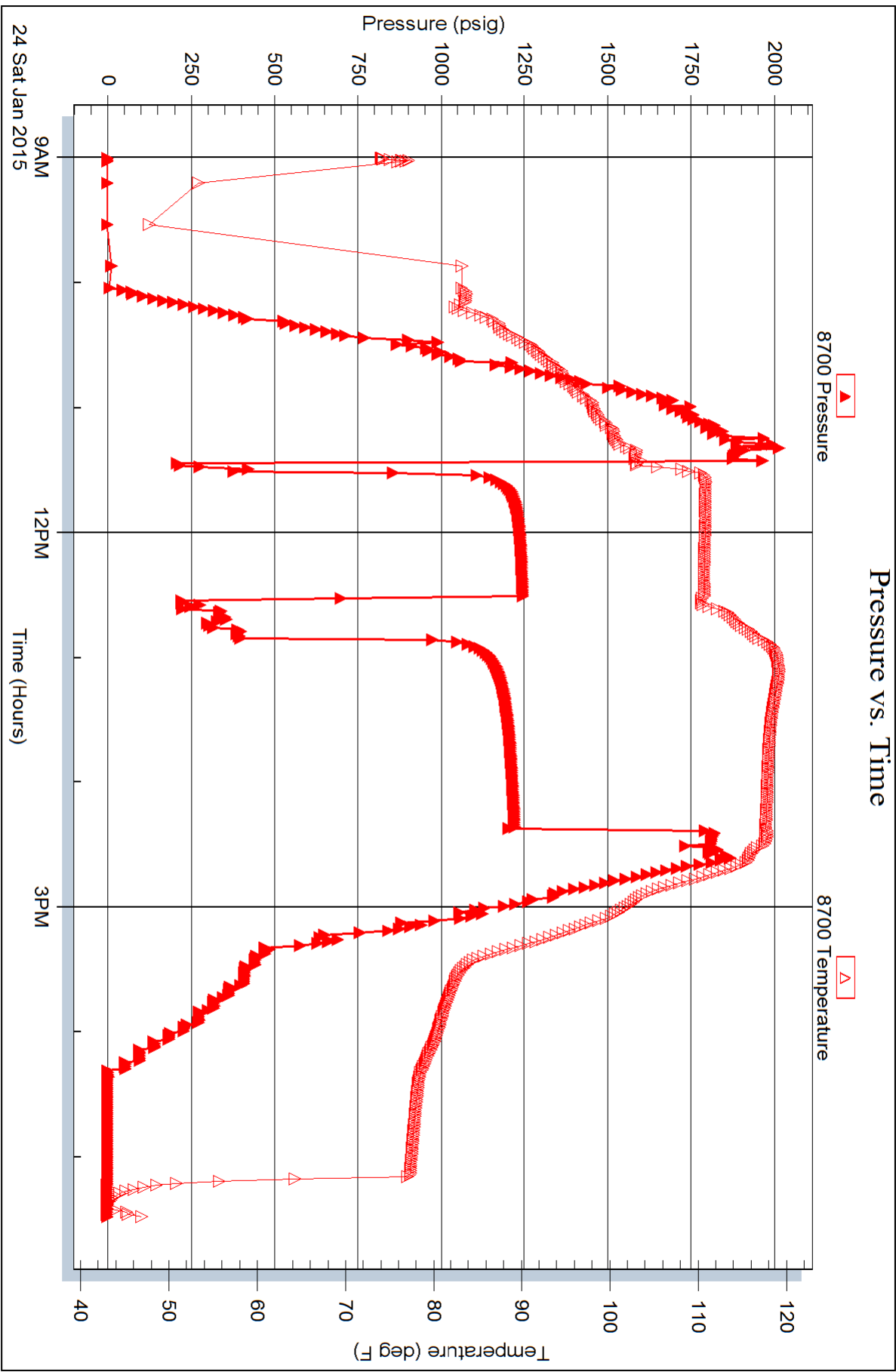


Serial #: 8700

Outside Samuel Gary Jr & Associates

K&K Farms 1-25

DST Test Number: 1



Serial #: 8374

Fluid

Samuel Gary Jr & Associates

K&K Farms 1-25

DST Test Number: 1

