



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Samuel Gary & Assoc, Inc.

Sec. 20 - 10 s. -27 w./Sheridan

1515 Wynkoop Suite 700
Denver Colorado
80202
ATTN: Clayton Camozzi

DGCG Property # 1-20

Job Ticket: 53752 **DST#: 2**

Test Start: 2015.05.12 @ 05:13:00

GENERAL INFORMATION:

Formation: **Lan. "E"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:46:00
 Time Test Ended: 10:13:00
 Interval: **3805.00 ft (KB) To 3832.00 ft (KB) (TVD)**
 Total Depth: 3832.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bob Hamel
 Unit No: 72
 Reference Elevations: 2635.00 ft (KB)
 2627.00 ft (CF)
 KB to GR/CF: 8.00 ft

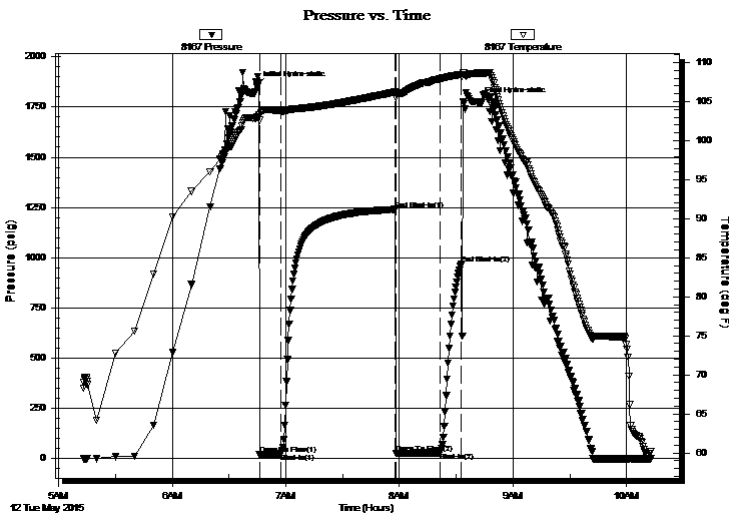
Serial #: 8167

Outside

Press@RunDepth: 29.42 psig @ 3807.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.05.12 End Date: 2015.05.12 Last Calib.: 2015.05.12
 Start Time: 05:13:05 End Time: 10:12:59 Time On Btm: 2015.05.12 @ 06:44:30
 Time Off Btm: 2015.05.12 @ 08:41:45

TEST COMMENT: I.F. - 10 - 1/8" INT BLOW BUILT TO 1/2"
 I.S.I. - 60 - NO B.B.
 F.F. - 25 - W.S.B. STARTED @ 18 MIN. NO BUILD
 F.S.I. - 10 - NO B.B.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1855.27	102.93	Initial Hydro-static
2	19.36	102.63	Open To Flow (1)
13	24.73	103.79	Shut-In(1)
74	1240.62	106.21	End Shut-In(1)
74	26.89	105.50	Open To Flow (2)
97	29.42	107.87	Shut-In(2)
109	970.25	108.44	End Shut-In(2)
118	1774.81	108.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
7.00	MUD 100%	0.03

Gas Rates

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

* Recovery from multiple tests



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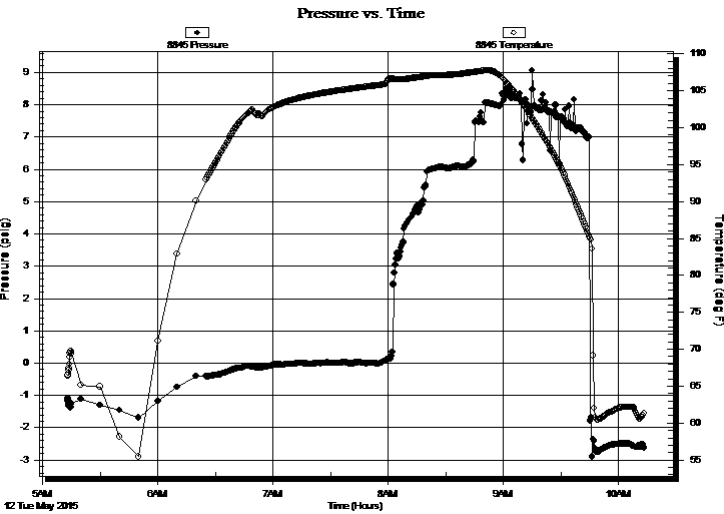
Sec. 20 - 10 s. -27 w./Sheridan
DGCG Property # 1-20
Job Ticket: 53752 **DST#: 2**
Test Start: 2015.05.12 @ 05:13:00

GENERAL INFORMATION:

Formation: **Lan. "E"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:46:00
Time Test Ended: 10:13:00
Interval: 3805.00 ft (KB) To 3832.00 ft (KB) (TVD)
Total Depth: 3832.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches
Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Bob Hamel
Unit No: 72
Reference Elevations: 2635.00 ft (KB)
 2627.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8845 Fluid
Press@RunDepth: psig @ 3773.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.05.12 End Date: 2015.05.12 Last Calib.: 1899.12.30
Start Time: 05:13:05 End Time: 10:13:14 Time On Btm:
 Time Off Btm:

TEST COMMENT: I.F. - 10 - 1/8" INT BLOW BUILT TO 1/2"
I.S.I. - 60 - NO B.B.
F.F. - 25 - W.S.B. STARTED @ 18 MIN. NO BUILD
F.S.I. - 10 - NO B.B.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
7.00	MUD 100%	0.03

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

FLUID SUMMARY

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1515 Wynkoop Suite 700
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DGCG Property # 1-20

Job Ticket: 53752 **DST#: 2**

Test Start: 2015.05.12 @ 05:13:00

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: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 700.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

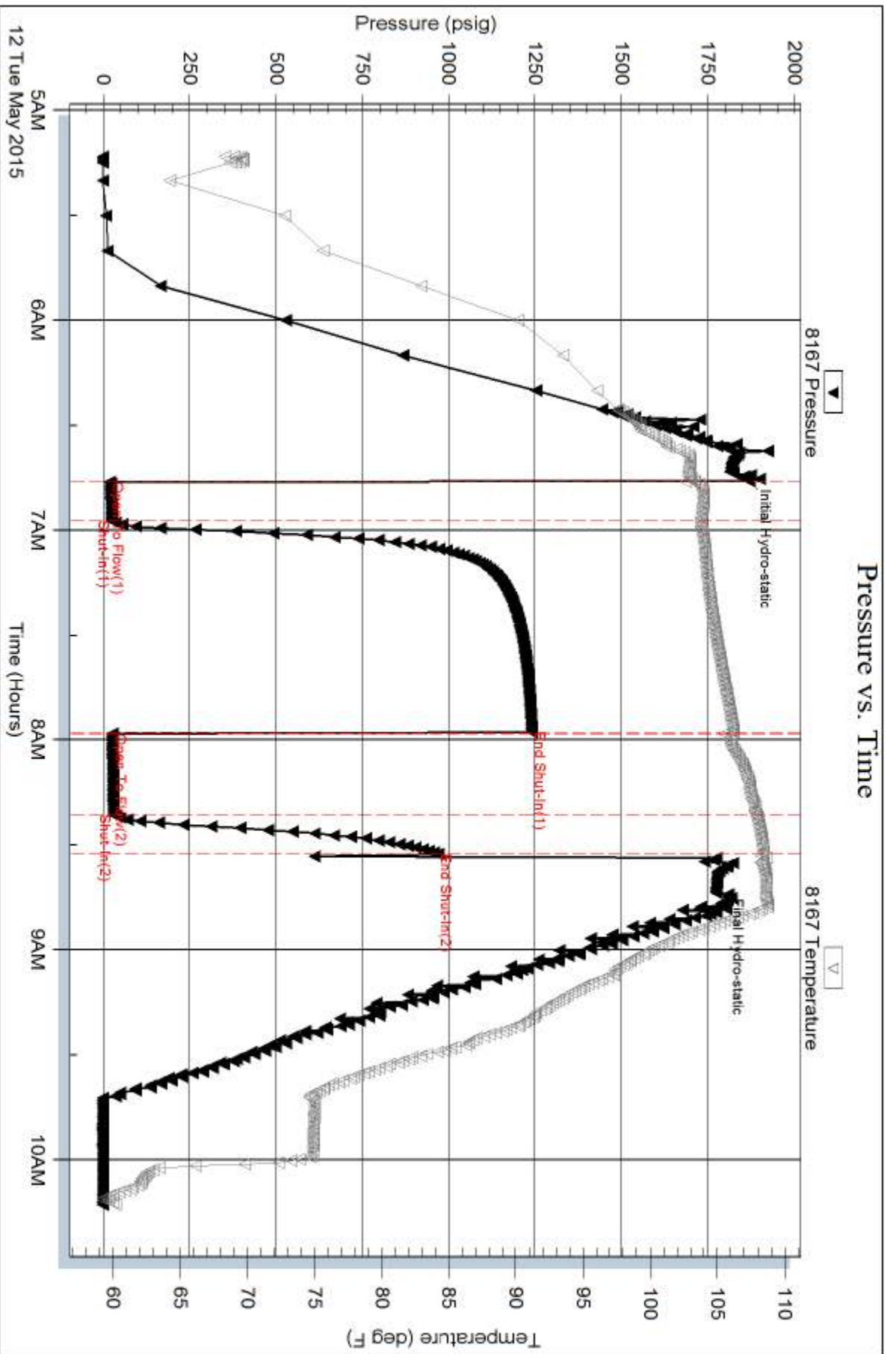
Length ft	Description	Volume bbl
7.00	MUD 100%	0.034

Total Length: 7.00 ft Total Volume: 0.034 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



Serial #: 8845

Fluid

Samuel Gary & Assoc., Inc.

DGCG Property # 1-20

DST Test Number: 2

