



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary & Assoc, Inc.

1515 Wynkoop Suite 700
Denver Colorado
80202
ATTN: Clayton Camozzi

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

DGCG Property # 1-20

Job Ticket: 53753 **DST#: 3**

Test Start: 2015.05.12 @ 16:16:00

GENERAL INFORMATION:

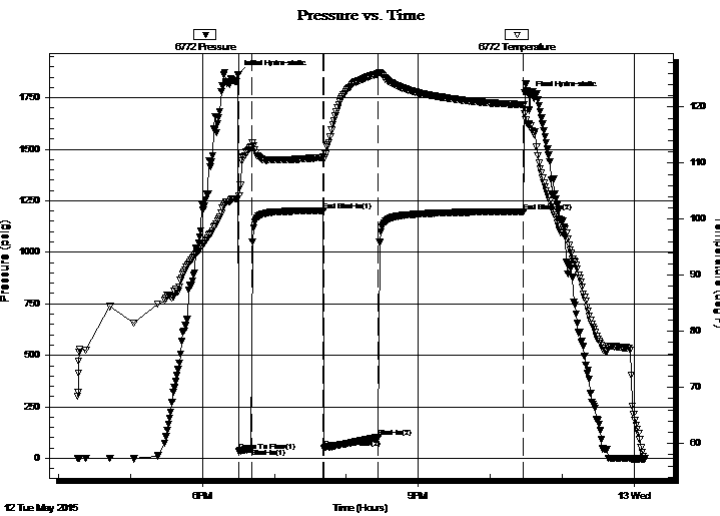
Formation: **Lan. "F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:30:45
 Time Test Ended: 00:09:30
 Interval: **3826.00 ft (KB) To 3852.00 ft (KB) (TVD)**
 Total Depth: 3852.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bob Hamel
 Unit No: 72
 Reference Elevations: 2635.00 ft (KB)
 2627.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6772

Outside

Press@RunDepth: 102.68 psig @ 3828.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.05.12 End Date: 2015.05.13 Last Calib.: 2015.05.13
 Start Time: 16:16:05 End Time: 00:09:29 Time On Btm: 2015.05.12 @ 18:29:45
 Time Off Btm: 2015.05.12 @ 22:32:15

TEST COMMENT: I.F. - 10 - 1/4" INT. BLOW BUILT TO 1"
 I.S.I. - 60 - NO BLOW
 F.F. - 45 - W.S.B. BUILT TO B.O.B. IN 42 MIN.
 F.S.I. - 120 - NO BLOW



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1863.30	103.58	Initial Hydro-static
1	34.67	104.19	Open To Flow (1)
12	46.62	112.83	Shut-In(1)
71	1201.70	111.03	End Shut-In(1)
72	49.33	110.89	Open To Flow (2)
117	102.68	125.92	Shut-In(2)
238	1197.89	120.41	End Shut-In(2)
243	1761.75	116.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	MUDDY WATER 30%MUD 70%WATER	1.46
50.00	GASSY MUD 5%GAS 95%MUD	0.70

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Job Ticket: 53753 **DST#: 3**

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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
125.00	MUDDY WATER 30%MUD 70%WATER	1.462
50.00	GASSY MUD 5%GAS 95%MUD	0.701

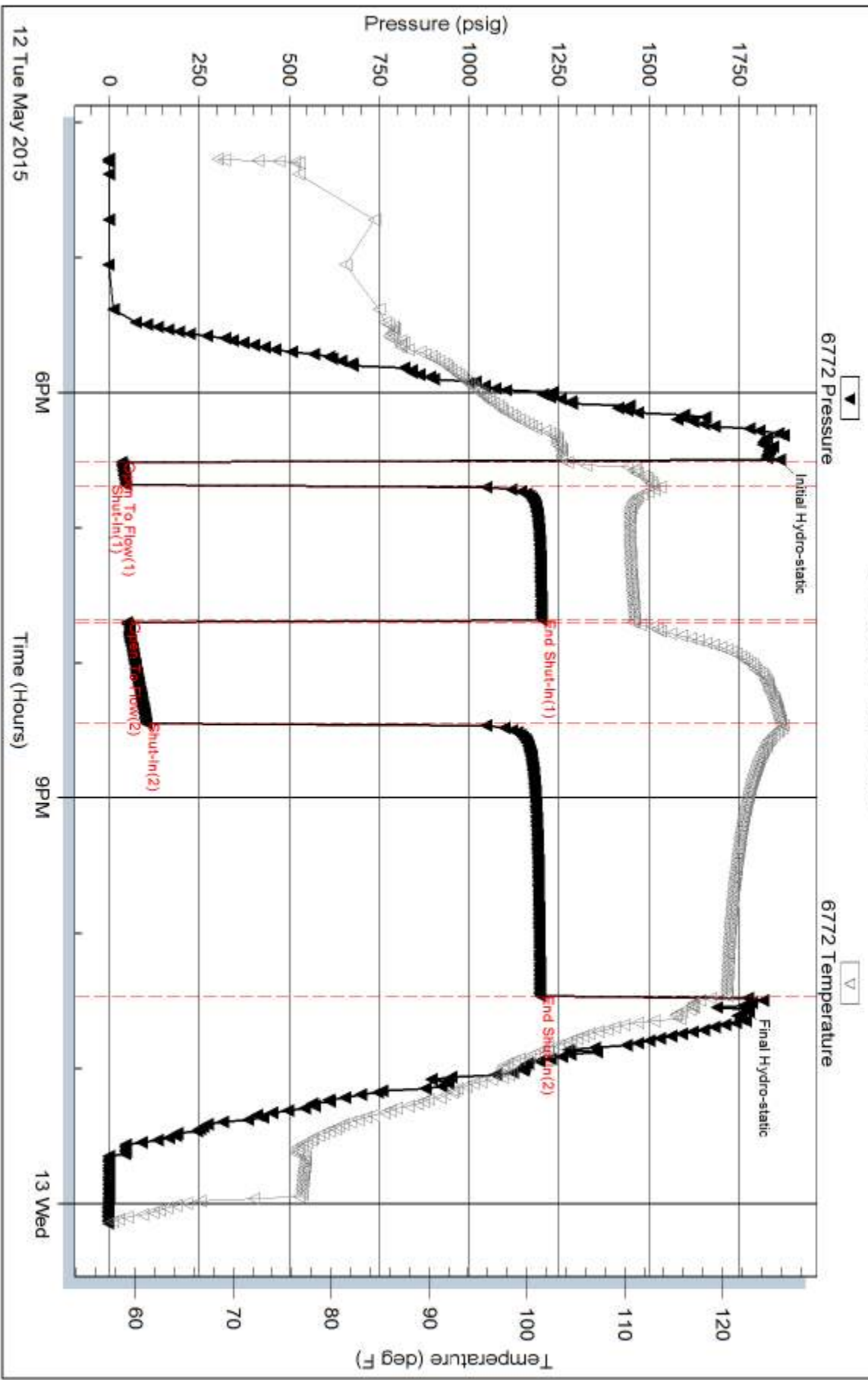
Total Length: 175.00 ft Total Volume: 2.163 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: R.W. = 0,25 @ 57.8 DEG.

Pressure vs. Time



Serial #: 8845

Fluid

Samuel Gary & Assoc., Inc.

DGCG Property # 1-20

DST Test Number: 3

