



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sam Gary Jr.
1515 Wynkoop
Suite 700 Denver Colorado
80202
ATTN: Chris Mitchell

Sec.32 - 9 s. - 16 w./ Rooks

Thomas Casey # 2-32

Job Ticket: 60496 **DST#: 1**

Test Start: 2014.08.17 @ 06:13:00

GENERAL INFORMATION:

Formation: **Toronto " A "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:07:30
 Time Test Ended: 14:04:00
 Interval: **3118.00 ft (KB) To 3180.00 ft (KB) (TVD)**
 Total Depth: 3180.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bob Hamel
 Unit No: 58
 Reference Elevations: 2032.00 ft (KB)
 2024.00 ft (CF)
 KB to GR/CF: 8.00 ft

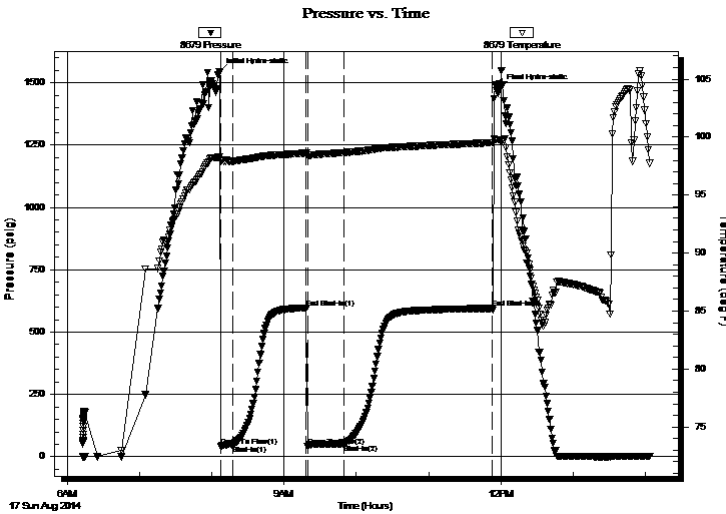
Serial #: 8679

Inside

Press@RunDepth: 52.19 psig @ 3156.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.08.17 End Date: 2014.08.17 Last Calib.: 2014.08.17
 Start Time: 06:13:01 End Time: 14:04:00 Time On Btm: 2014.08.17 @ 08:06:30
 Time Off Btm: 2014.08.17 @ 11:59:30

TEST COMMENT: I.F. - 10 - 1/4" INT. BLOW BUILT TO(3/4" IN 10 MIN.)
 I.S.I. - 60 - NO B.B.
 F.F. - 30 - 1/2" INT BLOW BUILT TO(8" IN 30 MIN.)
 F.S.I. - 120 - NO B.B.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1542.46	98.30	Initial Hydro-static
1	40.59	97.99	Open To Flow (1)
11	47.79	97.92	Shut-In(1)
72	597.37	98.64	End Shut-In(1)
73	42.68	98.43	Open To Flow (2)
104	52.19	98.67	Shut-In(2)
227	595.21	99.52	End Shut-In(2)
233	1477.01	99.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
69.00	M,C,O, 20%M 80%O	0.69
0.00	126 G.I.P.	0.00

Gas Rates

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



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FLUID SUMMARY

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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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

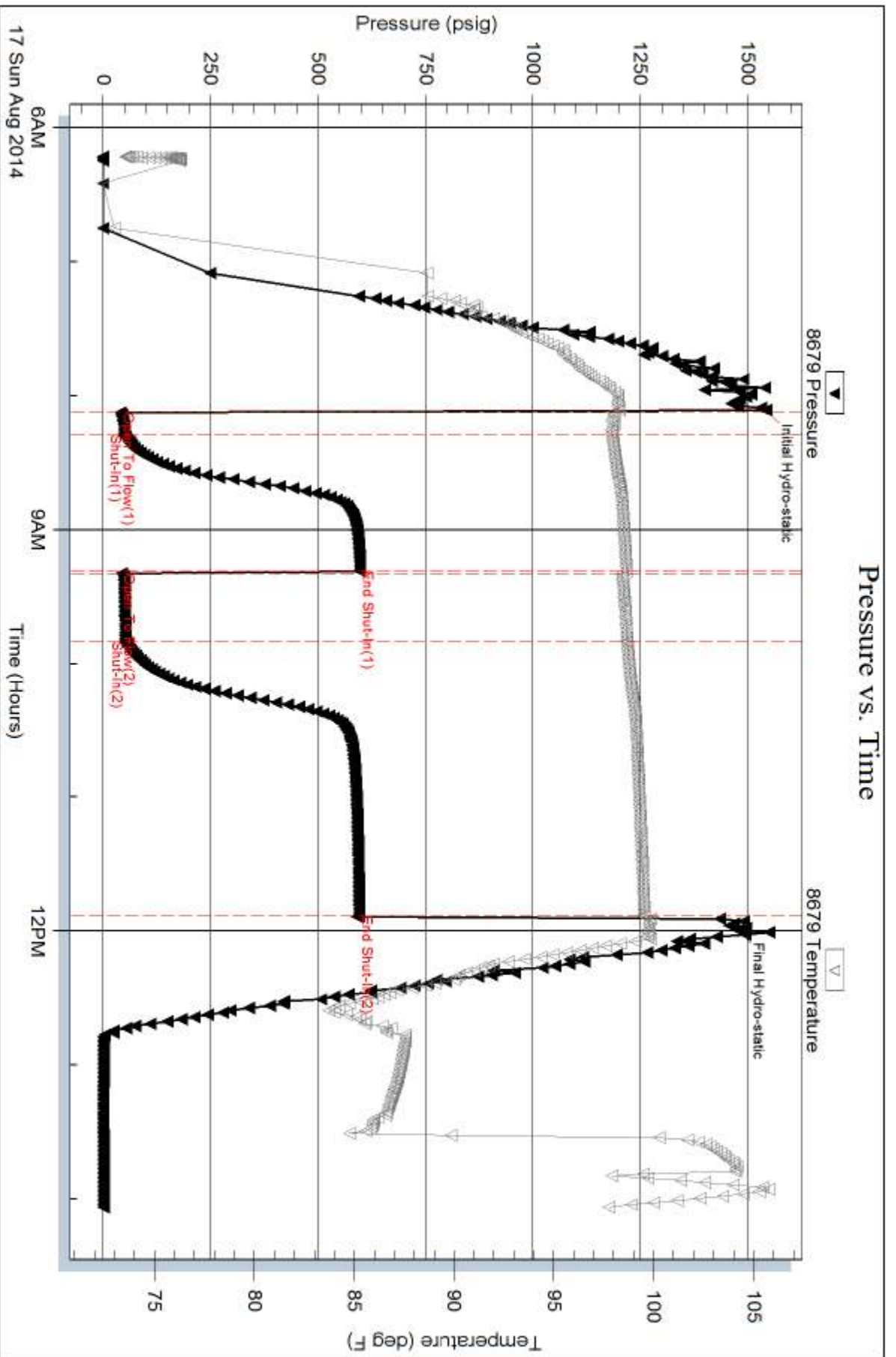
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
69.00	M ₂ C ₂ O ₂ , 20%M 80%O	0.695
0.00	126 G.I.P.	0.000

Total Length: 69.00 ft Total Volume: 0.695 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: SAMPLER DATA RECOVERY
 MUD 100 M.L. GAS 200 M.L. OIL 1,700 M.L.
 P.S.I. = 300

Pressure vs. Time



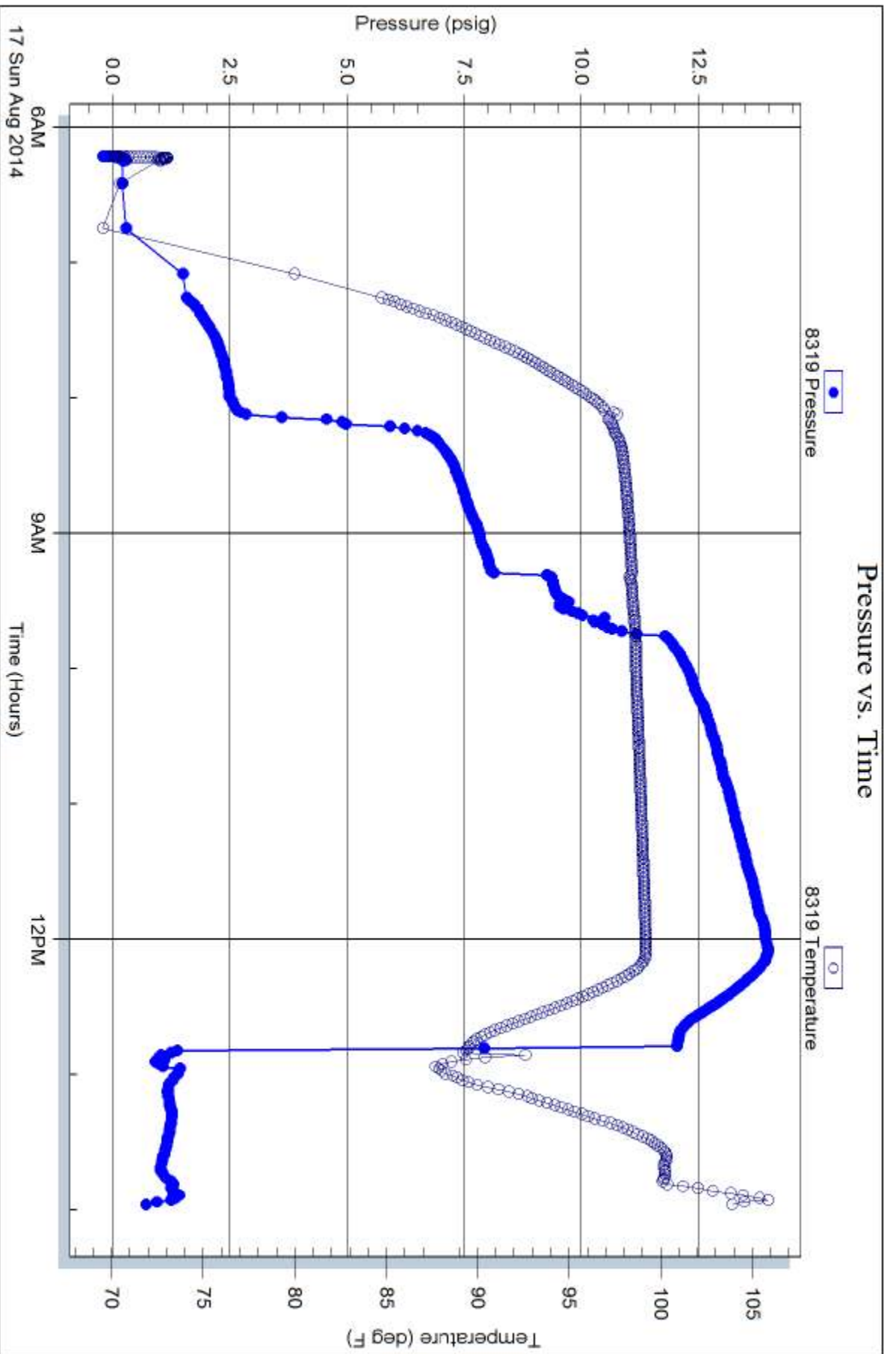
Serial #: 8319

Fluid

Sam Gary Jr.

Thomas Casey # 2-32

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 60496

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