



**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: 60497 **DST#: 2**

Test Start: 2014.08.18 @ 03:00:00

GENERAL INFORMATION:

Formation:

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:19:00

Time Test Ended: 10:37:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 58

Interval: 3235.00 ft (KB) To 3285.00 ft (KB) (TVD)

Reference Elevations: 2032.00 ft (KB)

Total Depth: 3285.00 ft (KB) (TVD)

2024.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8679

Inside

Press@RunDepth: 93.01 psig @ 3271.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.08.18

End Date: 2014.08.18

Last Calib.: 1899.12.30

Start Time: 03:00:01

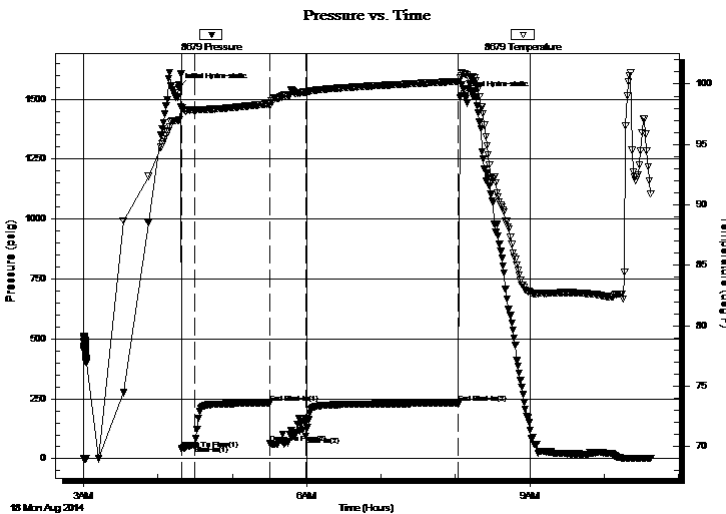
End Time: 10:37:30

Time On Btm: 2014.08.18 @ 04:17:00

Time Off Btm: 2014.08.18 @ 08:04:30

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1548.68	97.03	Initial Hydro-static
2	41.11	97.93	Open To Flow (1)
13	57.44	97.82	Shut-In(1)
73	232.25	98.37	End Shut-In(1)
74	63.15	98.24	Open To Flow (2)
103	93.01	99.31	Shut-In(2)
225	231.34	100.22	End Shut-In(2)
228	1513.74	100.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	S,O,C,M, 1%O 99%M	0.57
0.00	126' G.I.P.	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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: 60497 **DST#: 2**
Test Start: 2014.08.18 @ 03:00:00

Mud and Cushion Information

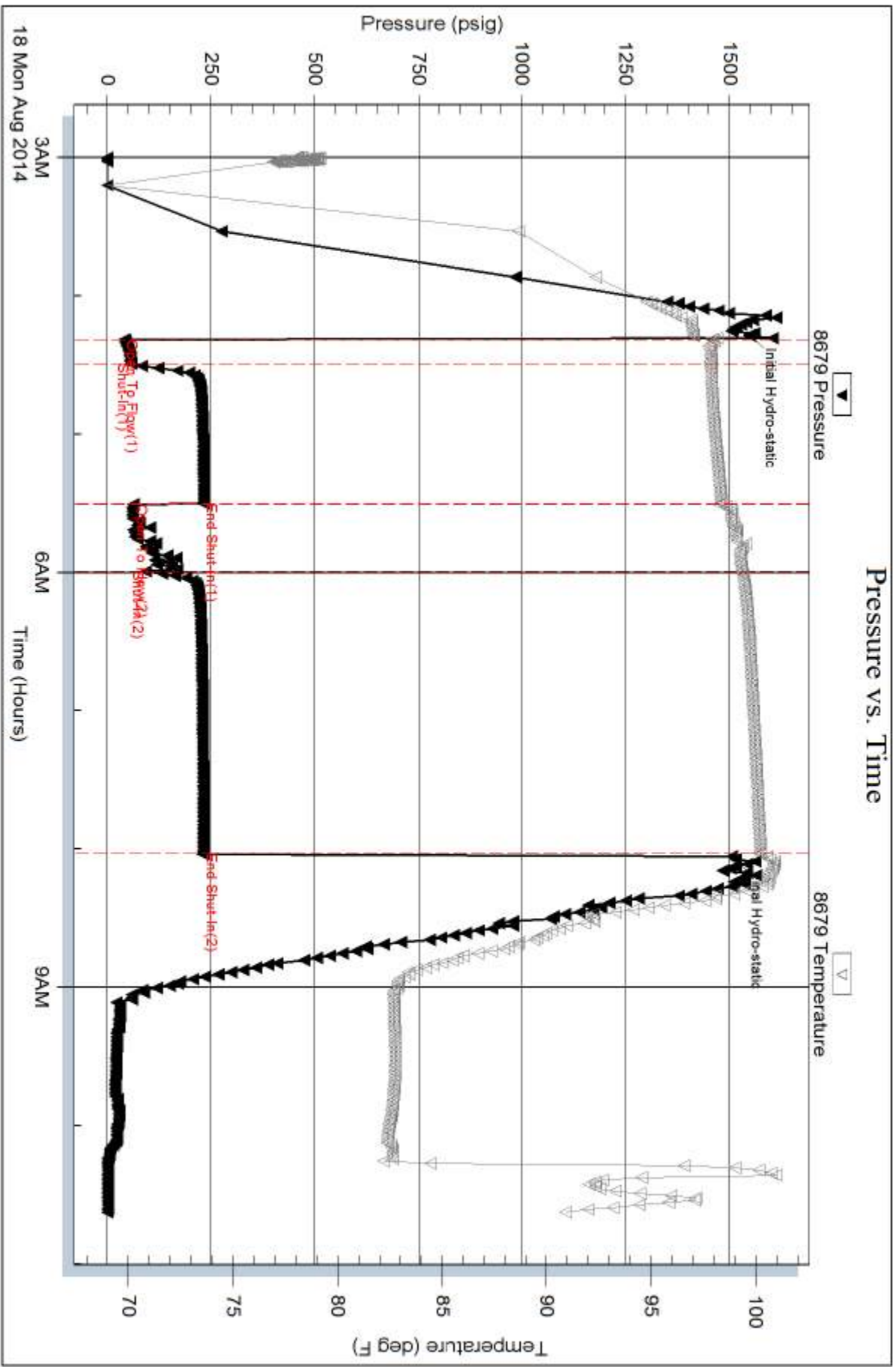
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	S,O,C,M, 1%O 99%M	0.568
0.00	126' G.I.P.	0.000

Total Length: 60.00 ft Total Volume: 0.568 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: SAMPLER RECOVERY
 OIL 800 M.L. MUD 1200 M.L. 200 P.S.I.



Serial #: 8319

Fluid

Sam Gary Jr.

Thomas Casey # 2-32

DST Test Number: 2

