



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Herman L Loeb
PO Box 838
Lawrenceville, IL 62439
ATTN: Jon Christensen

2-31S-3W Sumner

Lange 1

Job Ticket: 55408

DST#: 2

Test Start: 2016.08.15 @ 11:45:17

GENERAL INFORMATION:

Formation: **KC "J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:01:17
 Time Test Ended: 18:19:02
 Interval: **3252.00 ft (KB) To 3288.00 ft (KB) (TVD)**
 Total Depth: 3288.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Leal Cason
 Unit No: 74
 Reference Elevations: 1305.00 ft (KB)
 1294.00 ft (CF)
 KB to GR/CF: 11.00 ft

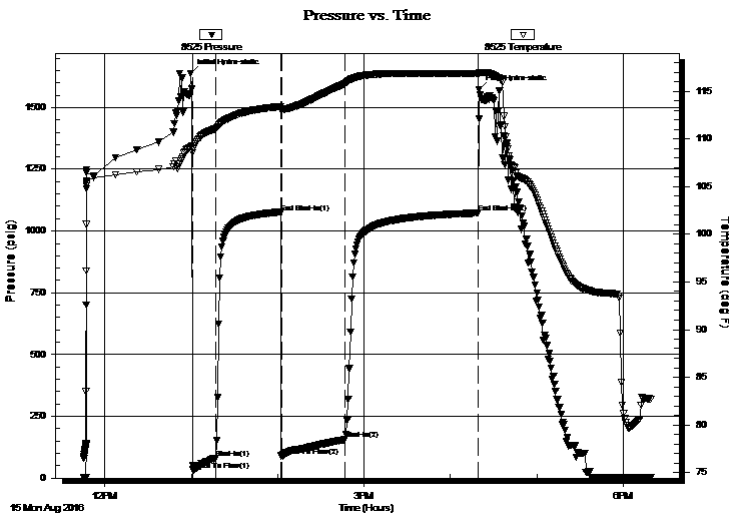
Serial #: 8525

Inside

Press@RunDepth: 156.34 psig @ 3253.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.15 End Date: 2016.08.15 Last Calib.: 2016.08.15
 Start Time: 11:45:18 End Time: 18:19:02 Time On Btm: 2016.08.15 @ 12:59:32
 Time Off Btm: 2016.08.15 @ 16:20:02

TEST COMMENT: IF: Fair Blow , Built to 10 inches
 IS: No Blow Back
 FF: Fair Blow , BOB in 16 minutes
 FS: 1/2 inch Blow Back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1638.40	109.19	Initial Hydro-static
2	33.71	108.96	Open To Flow (1)
18	81.26	111.09	Shut-In(1)
63	1073.55	113.42	End Shut-In(1)
64	88.58	113.18	Open To Flow (2)
108	156.34	115.85	Shut-In(2)
200	1073.00	116.85	End Shut-In(2)
201	1573.14	116.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	310 GIP	0.00
122.00	Water	0.60
62.00	MCW 15%M 85%W	0.30
82.00	GOWCM 20%G 20%O 30%W 30%M	0.87

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Herman L Loeb
PO Box 838
Lawrenceville, IL 62439
ATTN: Jon Christensen

2-31S-3W Sumner
Lange 1
Job Ticket: 55408 **DST#: 2**
Test Start: 2016.08.15 @ 11:45:17

Mud and Cushion Information

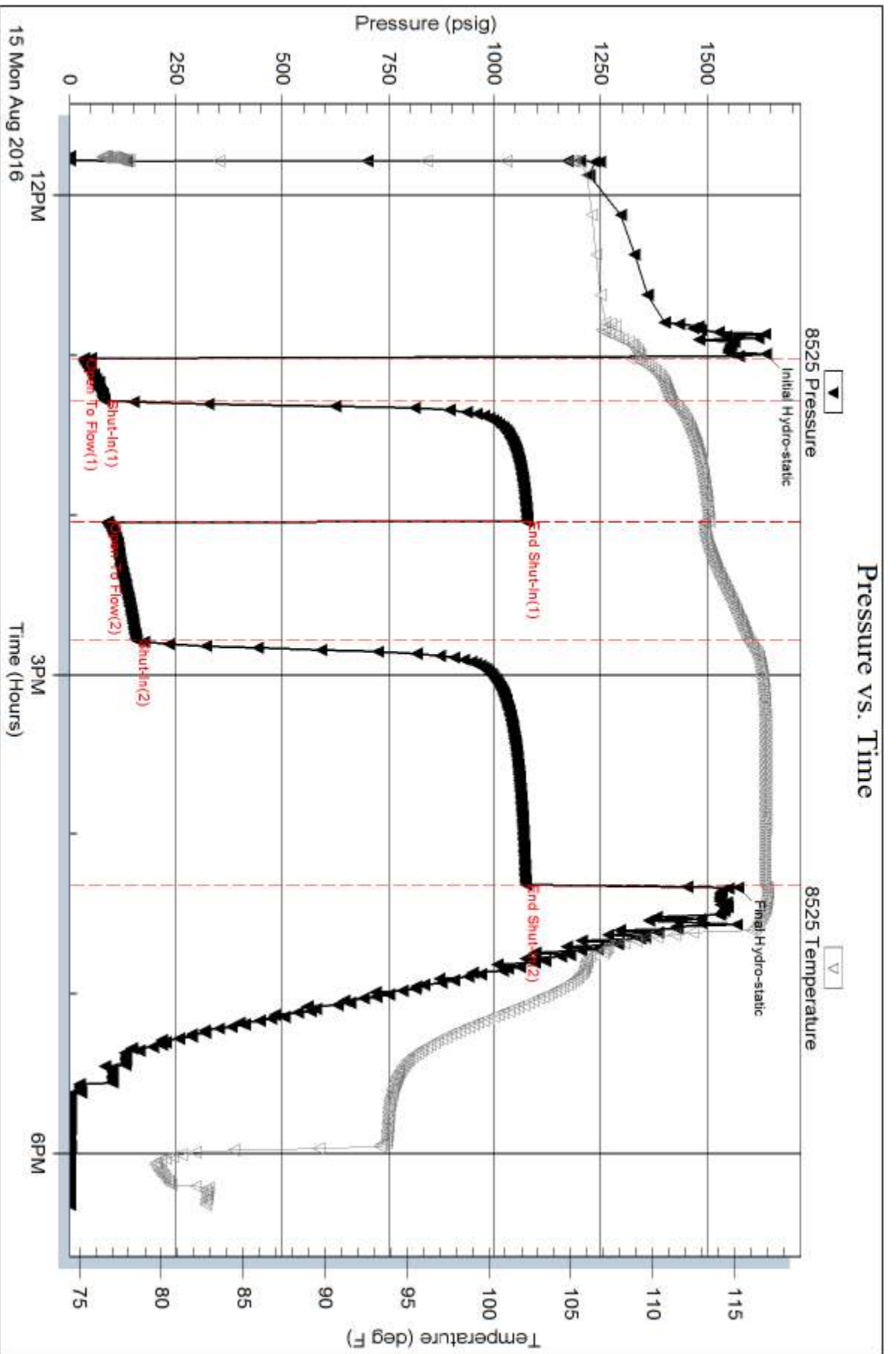
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	93000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	310 GIP	0.000
122.00	Water	0.600
62.00	MCW 15%M 85%W	0.305
82.00	GOWCM 20%G 20%O 30%W 30%M	0.868

Total Length: 266.00 ft Total Volume: 1.773 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW w as .07 @ 85 degrees



Serial #: 6806

Outside Herman L Loeb

Lange 1

DST Test Number: 2

