

**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

American Warrior, Inc.  
3118 Cummings Rd.  
PO Box 399  
Garden City, KS 67846  
ATTN: Kevin Timson

**10-23S-23W Hodgeman, KS**  
**Hubin #2-10B**  
Job Ticket: 63135      **DST#: 1**  
Test Start: 2018.08.10 @ 08:27:14

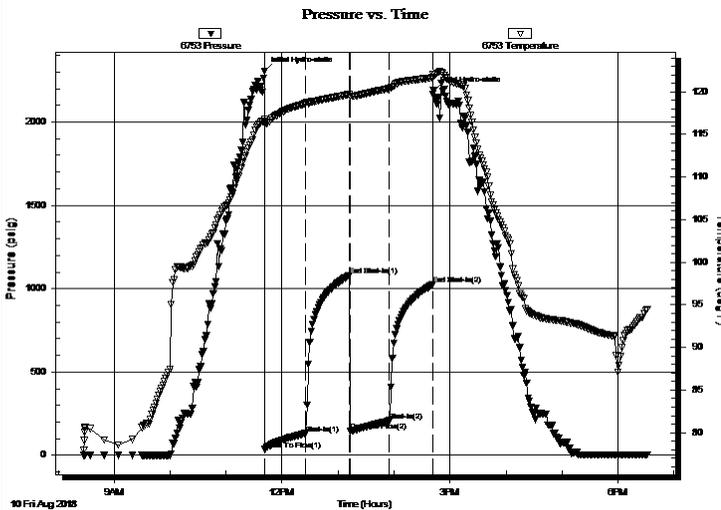
## GENERAL INFORMATION:

Formation: **Miss**  
Deviated: No Whipstock: ft (KB)      Test Type: Conventional Bottom Hole (Initial)  
Time Tool Opened: 11:41:44      Tester: Brannan Lonsdale  
Time Test Ended: 18:32:14      Unit No: 73  
**Interval: 4506.00 ft (KB) To 4579.00 ft (KB) (TVD)**      Reference Elevations: 2329.00 ft (KB)  
Total Depth: 4579.00 ft (KB) (TVD)      2321.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GR/CF: 8.00 ft

**Serial #: 6753      Outside**  
Press@RunDepth: 204.43 psig @ 4507.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2018.08.10      End Date: 2018.08.10      Last Calib.: 2018.08.10  
Start Time: 08:27:19      End Time: 18:32:14      Time On Btm: 2018.08.10 @ 11:41:14  
Time Off Btm: 2018.08.10 @ 14:42:14

TEST COMMENT: 45- IF- BOB 42mins  
45- IS- No blow  
45- FF- BOB 42mins  
45- FS- No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2306.20	116.74	Initial Hydro-static
1	34.39	116.26	Open To Flow (1)
44	130.29	118.64	Shut-In(1)
91	1077.69	119.69	End Shut-In(1)
92	144.15	119.46	Open To Flow (2)
134	204.43	120.38	Shut-In(2)
180	1023.50	121.65	End Shut-In(2)
181	2188.15	121.99	Final Hydro-static

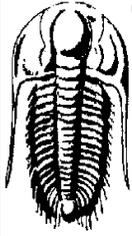
## Recovery

Length (ft)	Description	Volume (bbl)
180.00	OCM, 20%O 80%M	0.89
330.00	CGO, 20%G 80%O	1.62
0.00	90' GIP	0.00

## Gas Rates

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





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**FLUID SUMMARY**

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**Hubin #2-10B**  
Job Ticket: 63135      **DST#: 1**  
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## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.39 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3900.00 ppm		
Filter Cake: inches		

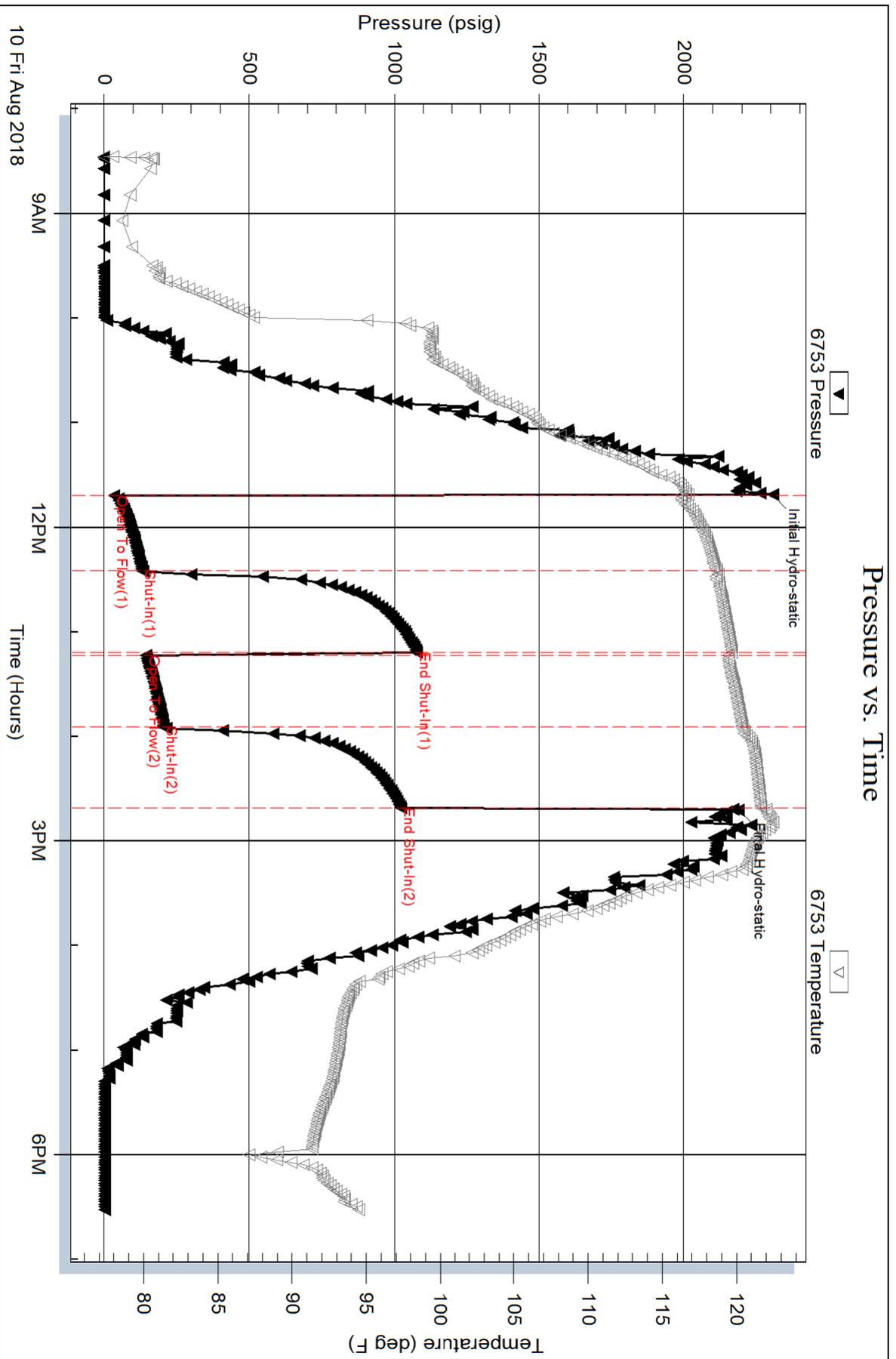
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	OCM, 20%O 80%M	0.885
330.00	CGO, 20%G 80%O	1.623
0.00	90' GIP	0.000

Total Length: 510.00 ft      Total Volume: 2.508 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time



Serial #: 6771

Inside

American Warrior, Inc.

Hublin #2-10B

DST Test Number: 1

