



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

American Warrior
 PO Box 399
 Garden City KS 67846
 ATTN: Clint Musgrove

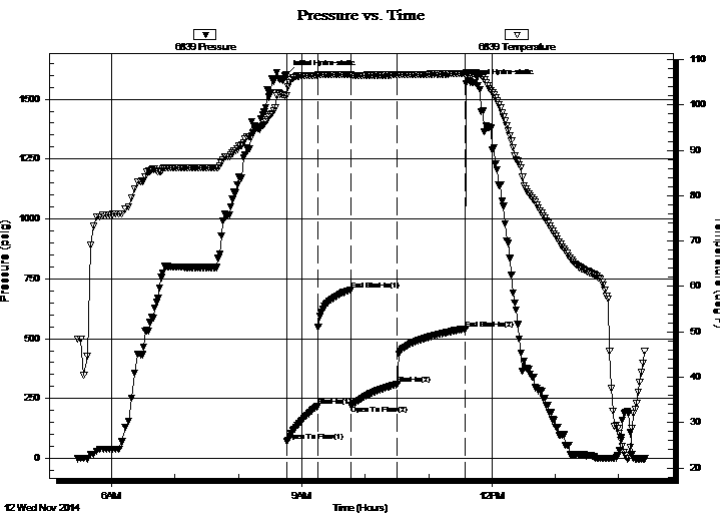
10-18s-10w Rice, KS
Hoelscher #4-10
 Job Ticket: 60293 **DST#: 1**
 Test Start: 2014.11.12 @ 05:27:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:46:00
 Time Test Ended: 14:24:30
 Interval: **3228.00 ft (KB) To 3300.00 ft (KB) (TVD)**
 Total Depth: 3300.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: S2
 Reference Elevations: 1807.00 ft (KB)
 1799.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6839 Outside
 Press@RunDepth: 309.88 psig @ 3295.31 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.11.12 End Date: 2014.11.12 Last Calib.: 2014.11.12
 Start Time: 05:28:00 End Time: 14:24:30 Time On Btm: 2014.11.12 @ 08:45:30
 Time Off Btm: 2014.11.12 @ 11:35:30

TEST COMMENT: IFP 30 min. BOB in 3 min.
 ISI 30 min. No blow back
 FFP 45 min. BOB in 6 min.
 FSI 60 min. No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1604.22	102.08	Initial Hydro-static
1	71.24	102.08	Open To Flow (1)
30	217.09	106.53	Shut-In(1)
61	704.61	106.63	End Shut-In(1)
62	220.31	106.50	Open To Flow (2)
105	309.88	106.63	Shut-In(2)
170	541.22	106.90	End Shut-In(2)
170	1566.63	107.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
654.00	Clean oil 100%	9.17
189.00	Oil cut mud 50%Oil 50%Mud	2.65

Gas Rates

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



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FLUID SUMMARY

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Job Ticket: 60293

DST#: 1

ATTN: Clint Musgrove

Test Start: 2014.11.12 @ 05:27:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 7.99 in³
Resistivity: ohm.m
Salinity: 4300.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
654.00	Clean oil 100%	9.174
189.00	Oil cut mud 50%Oil 50%Mud	2.651

Total Length: 843.00 ft Total Volume: 11.825 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

