



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

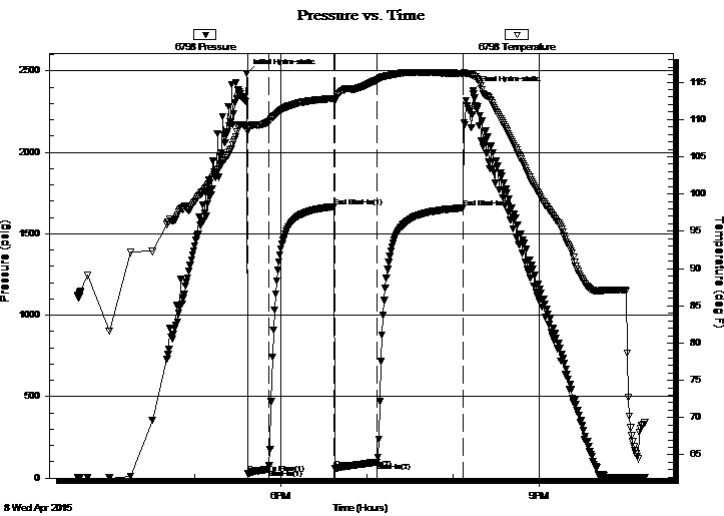
8-30S-18W Kiowa
Petra 1-8
 Job Ticket: 59763 **DST#: 2**
 Test Start: 2015.04.08 @ 15:38:18

GENERAL INFORMATION:

Formation: **KC Hertha**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:37:03
 Time Test Ended: 22:14:03
 Interval: **4750.00 ft (KB) To 4776.00 ft (KB) (TVD)**
 Total Depth: 4776.00 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: 2243.00 ft (KB)
 2230.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6798 Inside
 Press@RunDepth: 98.65 psig @ 4751.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.04.08 End Date: 2015.04.08 Last Calib.: 2015.04.08
 Start Time: 15:38:19 End Time: 22:14:03 Time On Btm: 2015.04.08 @ 17:36:03
 Time Off Btm: 2015.04.08 @ 20:14:03

TEST COMMENT: IF: Fair Blow , Built to 7 1/2 inches
 IS: No Blow Back
 FF: Weak Blow , Built to 5 1/2 inches
 FS: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2484.78	109.10	Initial Hydro-static
1	29.77	108.75	Open To Flow (1)
16	55.24	109.67	Shut-In(1)
61	1665.91	112.82	End Shut-In(1)
62	60.87	112.47	Open To Flow (2)
91	98.65	115.30	Shut-In(2)
151	1659.11	116.18	End Shut-In(2)
158	2376.21	115.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	82 GIP	0.00
122.00	Water	1.16
40.00	SOMCW 4%O 30%M 66%W	0.56

* Recovery from multiple tests

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 11000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	82 GIP	0.000
122.00	Water	1.165
40.00	SOMCW 4%O 30%M 66%W	0.561

Total Length: 162.00 ft Total Volume: 1.726 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW was

Pressure vs. Time

