

10-145-10W

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	
	H & C Oil Operations Inc	Ernest Soukup #1-10
	PO Box 86 Plainville KS 67663	10 14 10 Ellsworth K
	ATTN: Wes Lilley	Job Ticket: 24011 DST#: 1 Test Start: 2006.08.28 @ 07:22:57

GENERAL INFORMATION:

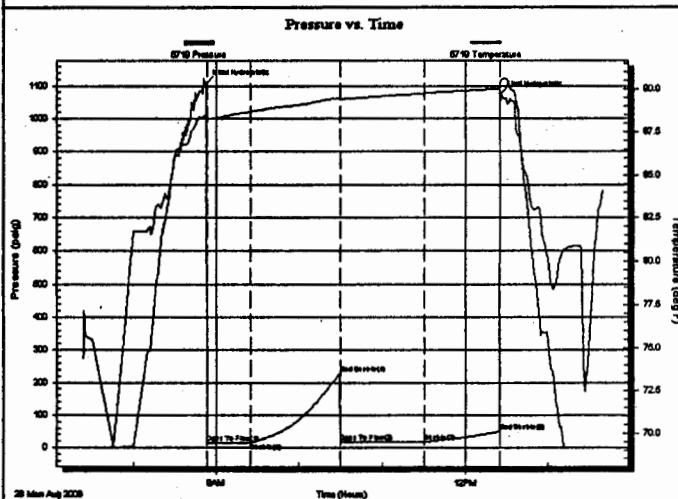
Formation: **Topeka-Howard**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 08:53:42
 Time Test Ended: 13:39:57
 Interval: **2350.00 ft (KB) To 2503.00 ft (KB) (TVD)**
 Total Depth: **2503.00 ft (KB) (TVD)**
 Hole Diameter: **7.80 inches** Hole Condition: **Good**

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Test Type: **Conventional Bottom Hole**
 Tester: **Jason McLemore**
 Unit No: **32**
 Reference Elevations: **1743.00 ft (KB)**
 1735.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: **6719** **Inside**
 Press@RunDepth: **18.14 psig @ 2353.00 ft (KB)**
 Start Date: **2006.08.28** End Date: **2006.08.28**
 Start Time: **07:22:59** End Time: **13:39:57**
 Capacity: **7000.00 psig**
 Last Calib.: **2006.08.28**
 Time On Btm: **2006.08.28 @ 08:53:12**
 Time Off Btm: **2006.08.28 @ 12:24:57**

TEST COMMENT: **FP Weak Blow Built to 1-1/8"**
ISI Dead
FFP Surge On Open Dead
FSI Dead

**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1106.63	88.49	Initial Hydro-static
1	15.25	88.29	Open To Flow (1)
32	15.40	88.67	Shut-In(1)
97	228.55	89.47	End Shut-In(1)
97	18.80	89.42	Open To Flow (2)
158	18.14	89.75	Shut-In(2)
212	50.52	90.03	End Shut-In(2)
212	1073.12	90.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.14

Gas Rates

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

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DRILL STEM TEST REPORT

TOOL DIAGRAM

H & C Oil Operations Inc

Ernest Soukup #1-10

PO Box 86
Plainville KS 67663

10 14 10 Ellsworth K

Job Ticket: 24011

DST#:1

ATTN: Wes Lilley

Test Start: 2006.08.28 @ 07:22:57

Tool Information

Drill Pipe:	Length: 2338.00 ft	Diameter: 3.80 inches	Volume: 32.80 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
			Total Volume: 32.80 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	2350.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	153.00 ft			
Tool Length:	176.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2328.00	
Shut In Tool	5.00			2333.00	
Hydraulic tool	5.00			2338.00	
Safety Joint	2.00			2340.00	
Packer	5.00			2345.00	23.00 Bottom Of Top Packer
Packer	5.00			2350.00	
Stubb	1.00			2351.00	
Perforations	1.00			2352.00	
Change Over Sub	1.00			2353.00	
Recorder	0.00	6719	Inside	2353.00	
Blank Spacing	126.00			2479.00	
Change Over Sub	1.00			2480.00	
Perforations	20.00			2500.00	
Recorder	0.00	13221	Outside	2500.00	
Bullnose	3.00			2503.00	153.00 Bottom Packers & Anchor

Total Tool Length: 176.00

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FLUID SUMMARY

H & C Oil Operations Inc

Ernest Soukup #1-10

PO Box 86
Plainville KS 67663

10 14 10 Ellsworth K

ATTN: Wes Lilley

Job Ticket: 24011

DST#: 1

Test Start: 2006.08.28 @ 07:22:57

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: 70.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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DST Test Number: 1

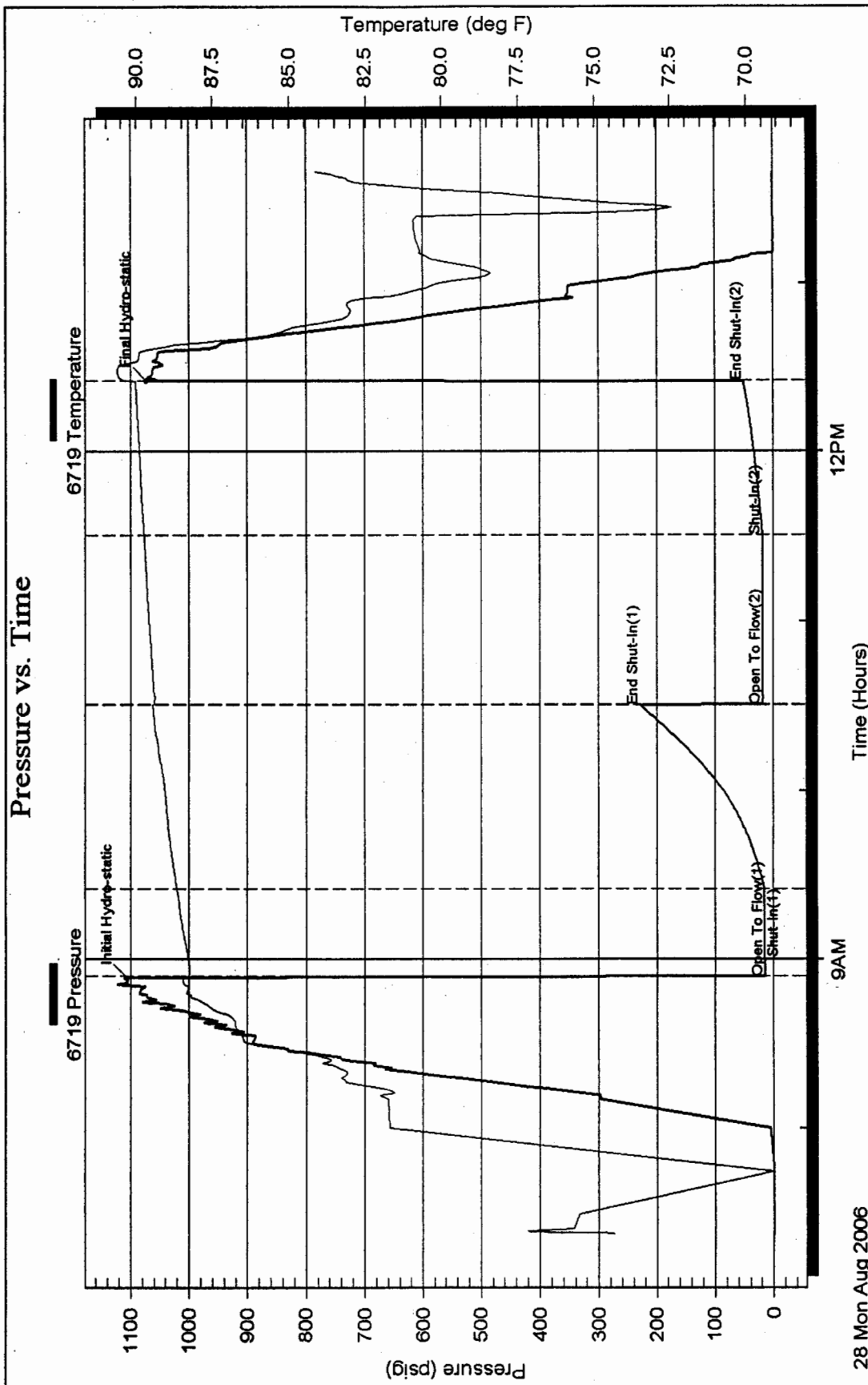
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H & C Oil Operations Inc

Inside

Serial #: 6719

Pressure vs. Time



28 Mon Aug 2006

12PM

9AM

Time (Hours)

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Ref. No: 24011

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CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

