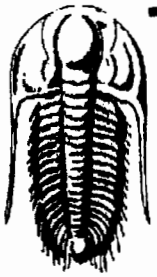
15-065-23282 6-9s-21w ICS ✓



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell KS 67665

ATTN: Tony Richardson

6 9S 21W Graham KS

Ryan #1

Start Date: 2007.03.13 @ 19:57:06
End Date: 2007.03.14 @ 03:17:36
Job Ticket #: 26093 DST #: 1

KCC
MAY 07 2007
CONFIDENTIAL

John O Farmer
Ryan #1
6 9S 21W Graham KS
DST # 1
Arbuckle
2007.03.13

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

John O Farmer

PO Box 352
Russell KS 67665

ATTN: Tony Richardson

Ryan #1

6 9S 21W Graham KS

Job Ticket: 26093 **DST#: 1**

Test Start: 2007.03.13 @ 19:57:06

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:50:06
Time Test Ended: 03:17:36

Test Type: Conventional Straddle
Tester: Jake Fahrenbruch
Unit No: 22

Interval: 3673.00 ft (KB) To 3784.00 ft (KB) (TVD)
Total Depth: 3840.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

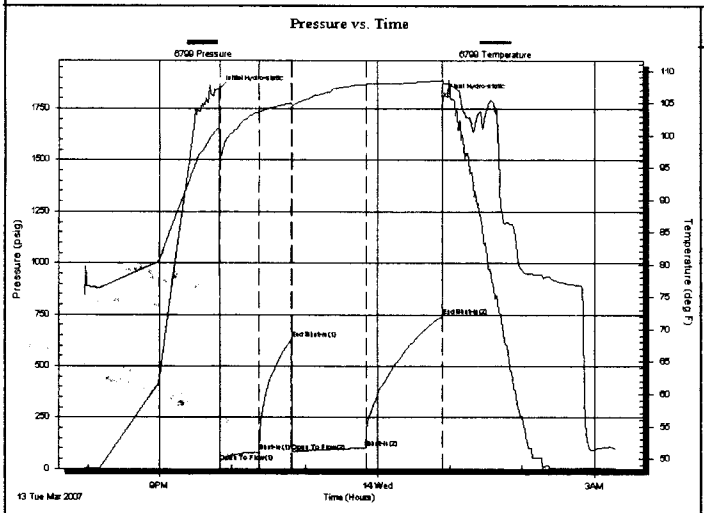
Reference Elevations: 2215.00 ft (KB)
2210.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6799 **Inside**

Press@RunDepth: 101.42 psig @ 3674.00 ft (KB)
Start Date: 2007.03.13 End Date: 2007.03.14
Start Time: 19:57:08 End Time: 03:17:36

Capacity: 7000.00 psig
Last Calib.: 2007.03.14
Time On Btm: 2007.03.13 @ 21:49:46
Time Off Btm: 2007.03.14 @ 00:53:56

TEST COMMENT: IF Weak blow built to 6.25 " in 30 minutes
ISI Bled off no blow back
FF Weak blow built to 2.5 " in 60 minutes
FSI Bled off no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1842.08	101.19	Initial Hydro-static
1	33.99	99.07	Open To Flow (1)
33	83.38	103.59	Shut-In(1)
60	633.71	105.01	End Shut-In(1)
60	83.56	104.78	Open To Flow (2)
121	101.42	107.88	Shut-In(2)
184	741.59	108.44	End Shut-In(2)
185	1808.59	108.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
170.00	SLOCM 5%O 95%M	1.29

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

PO Box 352
Russell KS 67665

ATTN: Tony Richardson

Ryan #1

6 9S 21W Graham KS

Job Ticket: 26093 **DST#: 1**

Test Start: 2007.03.13 @ 19:57:06

Tool Information

Drill Pipe:	Length:	3534.00 ft	Diameter:	3.80 inches	Volume:	49.57 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	60000.00 lb
					Total Volume:	50.16 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:		9.00 ft					String Weight: Initial	42000.00 lb
Depth to Top Packer:		3673.00 ft					Final	42000.00 lb
Depth to Bottom Packer:		3784.00 ft						
Interval between Packers:		111.00 ft						
Tool Length:		195.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3650.00		
Hydraulic tool	5.00			3655.00		
Jars	5.00			3660.00		
Safety Joint	3.00			3663.00		
Packer	5.00			3668.00	28.00	Bottom Of Top Packer
Packer	5.00			3673.00		
Stubb	1.00			3674.00		
Recorder	0.00	6799	Inside	3674.00		
Blank Spacing	94.00			3768.00		
Perforations	13.00			3781.00		
Recorder	0.00	10270	Outside	3781.00		
Blank Off Sub	3.00			3784.00	111.00	Tool Interval
Packer	3.00			3787.00		
Perforations	19.00			3806.00		
Blank Spacing	31.00			3837.00		
Recorder	0.00	3354	Fluid	3837.00		
Bullnose	3.00			3840.00	56.00	Bottom Packers & Anchor
Total Tool Length:	**195.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

PO Box 352
Russell KS 67665

ATTN: Tony Richardson

Ryan #1

6 9S 21W Graham KS

Job Ticket: 26093 **DST#: 1**

Test Start: 2007.03.13 @ 19:57:06

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:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.20 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1100.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

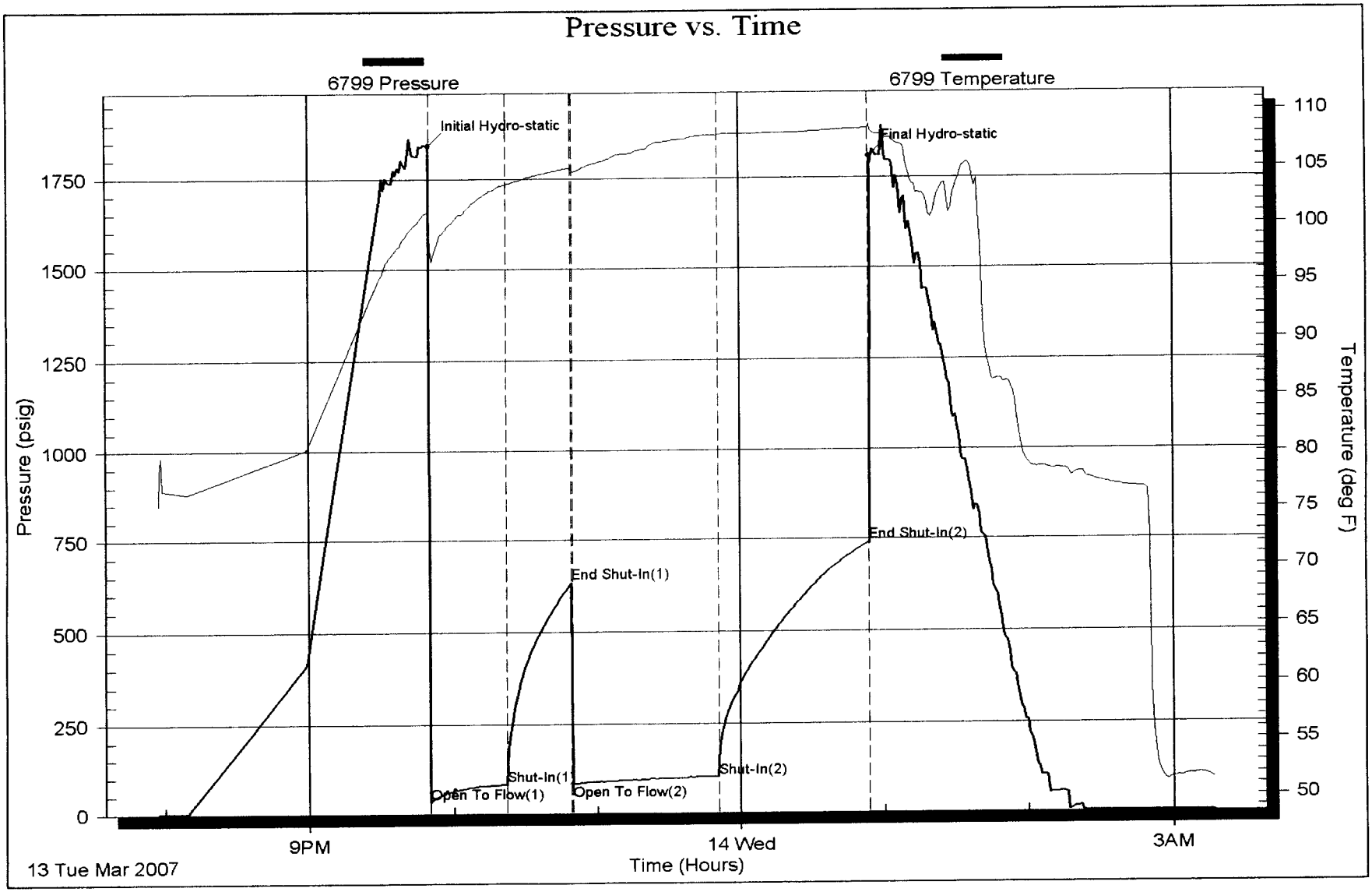
Length ft	Description	Volume bbl
170.00	SLOCM 5%O 95%M	1.292

Total Length: 170.00 ft Total Volume: 1.292 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6799 Pressure
6799 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
0
250
500
750
1000
1250
1500
1750
50
55
60
65
70
75
80
85
90
95
100
105
110
9PM
14 Wed
3AM
13 Tue Mar 2007
Time (Hours)