15-31-13W

ORIGINAL



TRILOBITE TESTING, INC.

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DRILL STEM TEST REPORT

Prepared For: **Prairie Resources Inc.**

1016 Amanda Pines Dr.
Parker Co 80138

ATTN: Lynne Packard

15-31s-13w Barber KS

Packard 2-15

Start Date: 2003.09.15 @ 04:03:39

End Date: 2003.09.15 @ 10:50:09

Job Ticket #: 17806 DST #: 1

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

Prairie Resources Inc. Packard 2-15 15-31s-13w Barber KS DST # 1 Mississippian 2003.09.15

DRILL STEM TEST REPORT

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15-31s-13w Barber KS

Job Ticket: 17806 **DST#: 1**

Test Start: 2003.09.15 @ 04:03:39

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:57:39
Time Test Ended: 10:50:09

Test Type: Conventional Bottom Hole
Tester: Paul Simpson
Unit No: 16

Interval: 4218.00 ft (KB) To 4240.00 ft (KB) (TVD)
Total Depth: 4240.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

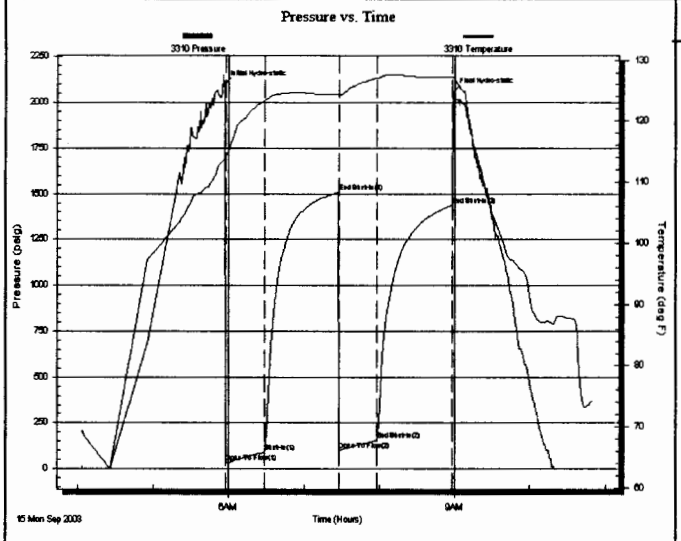
Reference Elevations: 1604.00 ft (KB)
1596.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 3310 **Inside**

Press@RunDepth: 90.77 psig @ 4223.00 ft (KB)
Start Date: 2003.09.15 End Date: 2003.09.15
Start Time: 04:03:40 End Time: 10:50:09

Capacity: 7000.00 psig
Last Calib.: 2003.01.15
Time On Btm: 2003.09.15 @ 05:56:09
Time Off Btm: 2003.09.15 @ 08:58:39

TEST COMMENT: IF- 1" blow building to bottom of bucket in 3.5 minutes
ISI- no blow
FF- w eak surface blow building to bottom of bucket in 15 minutes
FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2094.51	113.72	Initial Hydro-static
2	36.19	114.22	Open To Flow (1)
33	90.77	123.43	Shut-In(1)
91	1507.77	124.44	End Shut-In(1)
92	100.48	124.57	Open To Flow (2)
122	154.85	127.09	End Shut-In(2)
182	1437.34	127.18	End Shut-In(3)
183	2055.08	127.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	sl muddy w ater	3.37
45.00	mud	0.63

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prairie Resources Inc.

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Parker Co 80138

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Packard 2-15

15-31s-13w Barber KS

Job Ticket: 17806 **DST#: 1**

Test Start: 2003.09.15 @ 04:03:39

Tool Information

Drill Pipe:	Length:	4215.00 ft	Diameter:	3.80 inches	Volume:	59.13 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:		80000.00 lb
					Total Volume:	59.13 bbl	Tool Chased		ft
Drill Pipe Above KB:		24.00 ft					String Weight:	Initial	760000.0 lb
Depth to Top Packer:		4218.00 ft						Final	78000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		22.00 ft							
Tool Length:		49.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4192.00		
Shut In Tool	5.00			4197.00		
Hydraulic tool	5.00			4202.00		
Jars	5.00			4207.00		
Safety Joint	2.00			4209.00		
Packer	4.00			4213.00	27.00	Bottom Of Top Packer
Packer	5.00			4218.00		
Stubb	1.00			4219.00		
Perforations	4.00			4223.00		
Recorder	0.00	3310	Inside	4223.00		
Perforations	15.00			4238.00		
Recorder	0.00	13630	Outside	4238.00		
Bullnose	2.00			4240.00	22.00	Bottom Packers & Anchor
Total Tool Length:	**49.00**					

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FLUID SUMMARY

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Parker Co 80138

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Packard 2-15

15-31s-13w Barber KS

Job Ticket: 17806 **DST#: 1**

Test Start: 2003.09.15 @ 04:03:39

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:	97000 ppm
Viscosity:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	15.08 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3200.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

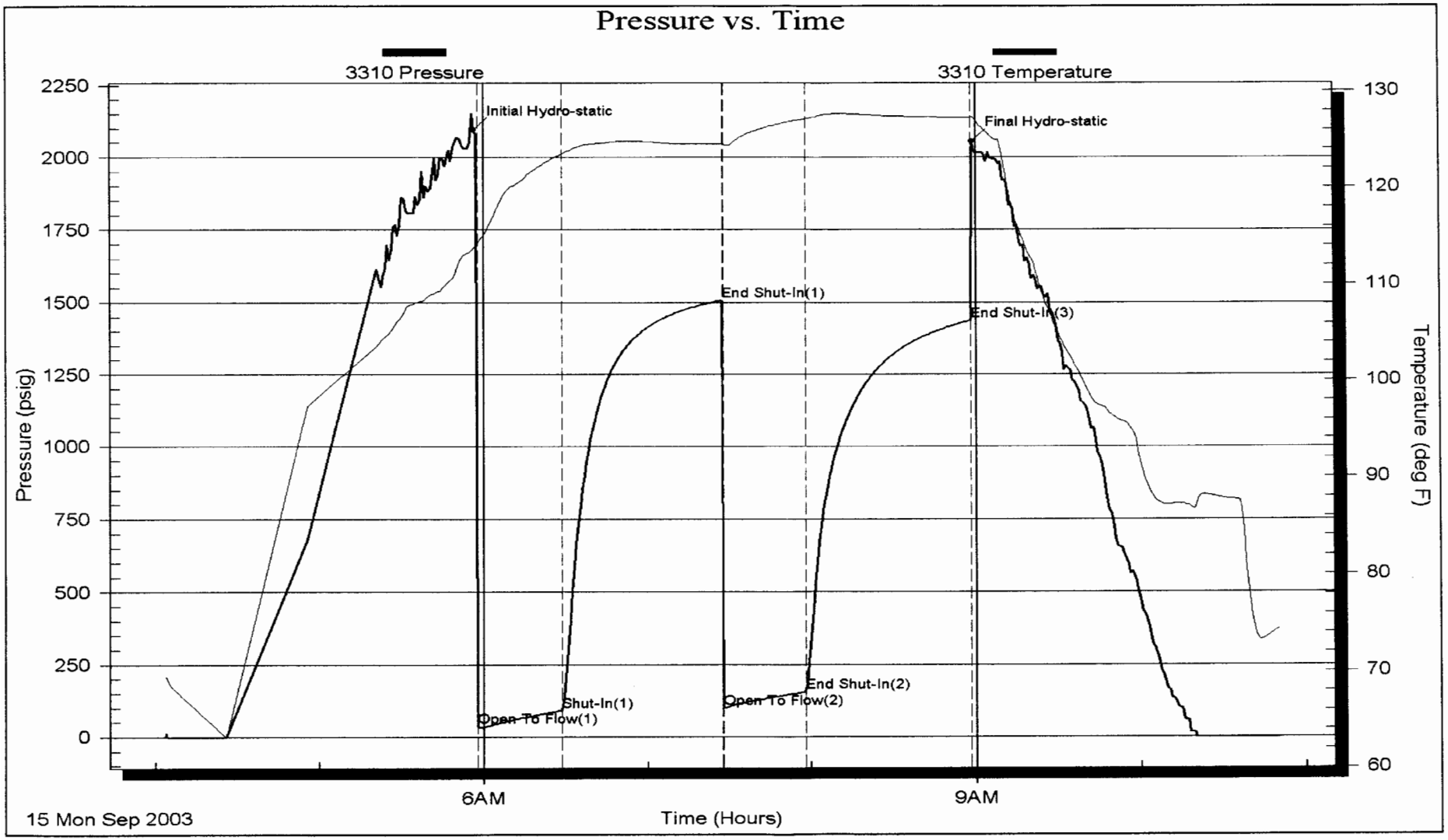
Length ft	Description	Volume bbl
240.00	sl muddy w ater	3.367
45.00	mud	0.631

Total Length: 285.00 ft Total Volume: 3.998 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Rw .074 @ 78


Pressure vs. Time
3310 Pressure
3310 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(3)
Shut-In(1)
Open To Flow(1)
End Shut-In(2)
Open To Flow(2)
Pressure (psig)
Temperature (deg F)
2250
2000
1750
1500
1250
1000
750
500
250
0
130
120
110
100
90
80
70
60
6AM
9AM
15 Mon Sep 2003
Time (Hours)