

Prairie Resources Inc.

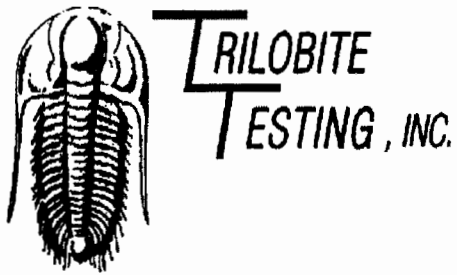
Packard #1-32

32-31s-12w-Barber-KS

DST # 1

Lower Douglas Sand

2006.03.12



# DRILL STEM TEST REPORT

Prepared For: **Prairie Resources Inc.**  
 2530 NW Willow Road  
 Medicine Lodge KS 67104

ATTN: Tim Priest

**32-31s-12w-Barber-KS**

**Packard #1-32**

Start Date: 2006.03.12 @ 14:22:08

End Date: 2006.03.12 @ 22:14:53

Job Ticket #: 24101      DST #: 1

**RECEIVED** 15-007-22985-00-00

11 8 2006

**KCC WICHITA**

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prairie Resources Inc.  
2530 NW Willow Road  
Medicine Lodge KS 67104  
ATTN: Tim Priest

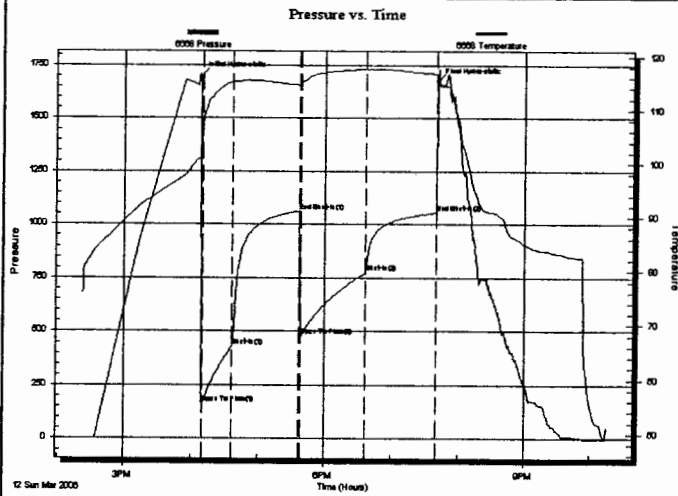
**Packard #1-32**  
**32-31s-12w-Barber-KS**  
Job Ticket: 24101      **DST#: 1**  
Test Start: 2006.03.12 @ 14:22:08

### GENERAL INFORMATION:

Formation: **Lower Douglas Sand**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 16:09:23  
Time Test Ended: 22:14:53  
Interval: **3604.00 ft (KB) To 3673.00 ft (KB) (TVD)**  
Total Depth: **3673.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: Jake Fahrenbruch  
Unit No: 30  
Reference Elevations: 1520.00 ft (KB)  
1510.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 6668**      Inside  
Press@RunDepth: 774.66 psig @ 3605.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2006.03.12      End Date: 2006.03.12      Last Calib.: 2006.03.12  
Start Time: 14:22:09      End Time: 22:14:53      Time On Btm: 2006.03.12 @ 16:07:53  
Time Off Btm: 2006.03.12 @ 19:40:53

**TEST COMMENT:** IF: Strong blow, BOB 1 minute.  
IS: Bled off, no blow back.  
FF: Fairly strong blow, BOB 1 minute 30 seconds.  
FSI: Bled off, no blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1699.06	101.01	Initial Hydro-static
2	162.12	106.78	Open To Flow (1)
29	430.24	115.33	Shut-In(1)
89	1062.61	114.64	End Shut-In(1)
91	478.37	115.45	Open To Flow (2)
150	774.66	117.64	Shut-In(2)
212	1055.25	116.78	End Shut-In(2)
213	1675.37	115.67	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
200.00	WCM 20%w 80%rn	2.81
1250.00	Salt w ater 100%w	17.53
0.00	RW= 0.9ohm@69degF=90,000ppmChl	0.00
0.00	No GP	0.00

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Prairie Resources Inc.  
2530 NW Willow Road  
Medicine Lodge KS 67104  
ATTN: Tim Priest

**Packard #1-32**  
**32-31s-12w-Barber-KS**  
Job Ticket: 24101      **DST#: 1**  
Test Start: 2006.03.12 @ 14:22:08

**Tool Information**

Drill Pipe:	Length: 3604.00 ft	Diameter: 3.80 inches	Volume: 50.55 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 50.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3604.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

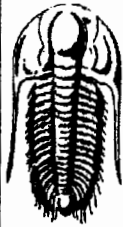
Tool Comments:

**Tool Description**

**Length (ft)    Serial No.    Position    Depth (ft)    Accum. Lengths**

Shut In Tool	5.00			3587.00	
Hydraulic tool	5.00			3592.00	
Safety Joint	2.00			3594.00	
Packer	5.00			3599.00	22.00      Bottom Of Top Packer
Packer	5.00			3604.00	
Stubb	1.00			3605.00	
Recorder	0.00	6668	Inside	3605.00	
Blank Spacing	34.00			3639.00	
Perforations	31.00			3670.00	
Recorder	0.00	13266	Outside	3670.00	
Bullhose	3.00			3673.00	69.00      Bottom Packers & Anchor

**Total Tool Length: 91.00**



**TRIOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Prairie Resources Inc.  
2530 NW Willow Road  
Medicine Lodge KS 67104  
  
ATTN: Tim Priest

**Packard #1-32**  
**32-31s-12w-Barber-KS**  
Job Ticket: 24101      **DST#: 1**  
Test Start: 2006.03.12 @ 14:22:08

### 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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.98 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.04 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	WCM 20%w 80%m	2.805
1250.00	Salt water 100%w	17.534
0.00	RW=.09ohm@69degF=90,000ppmChl	0.000
0.00	No GIP	0.000

Total Length: 1450.00 ft      Total Volume: 20.339 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

Serial #: 6668

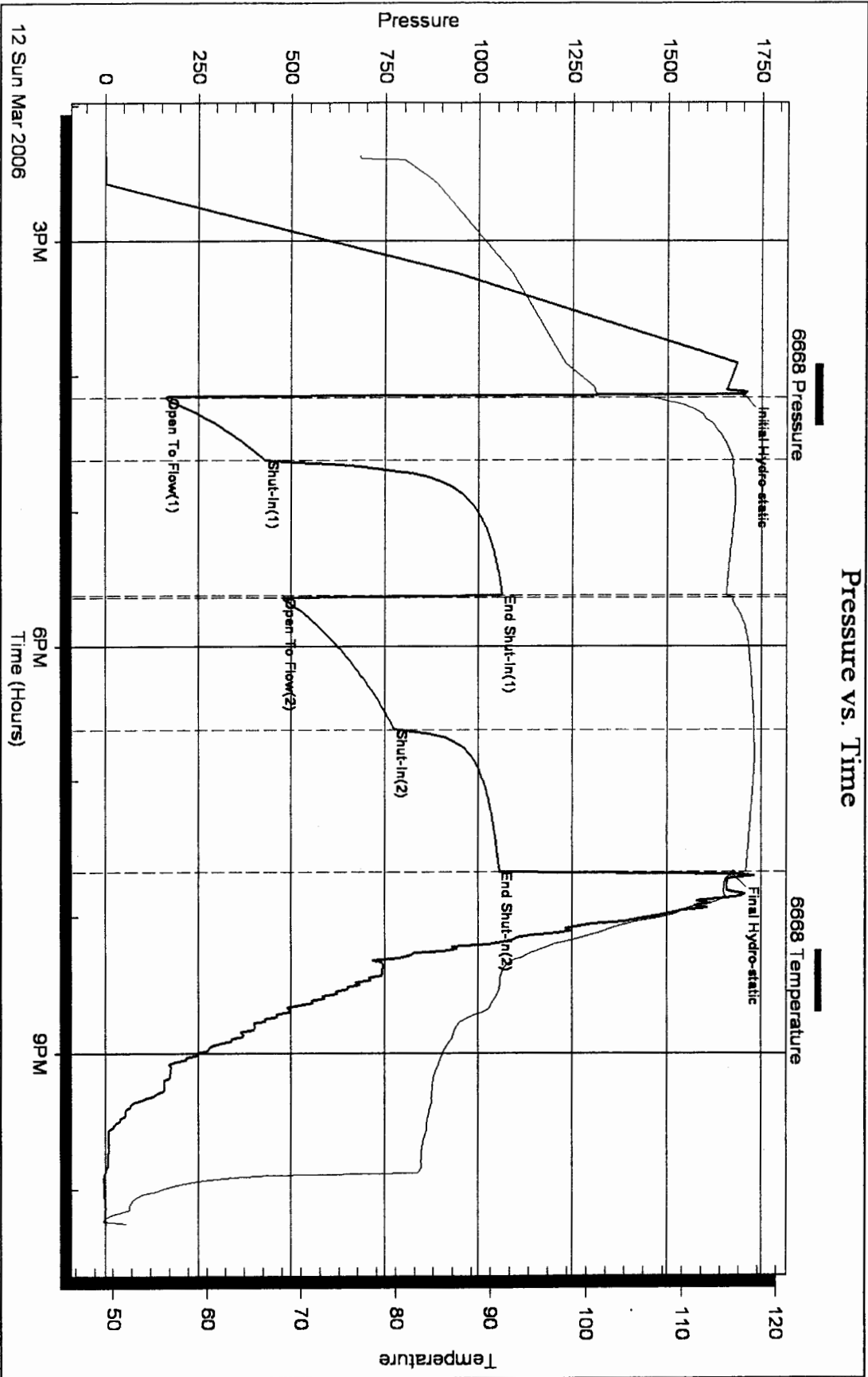
Inside

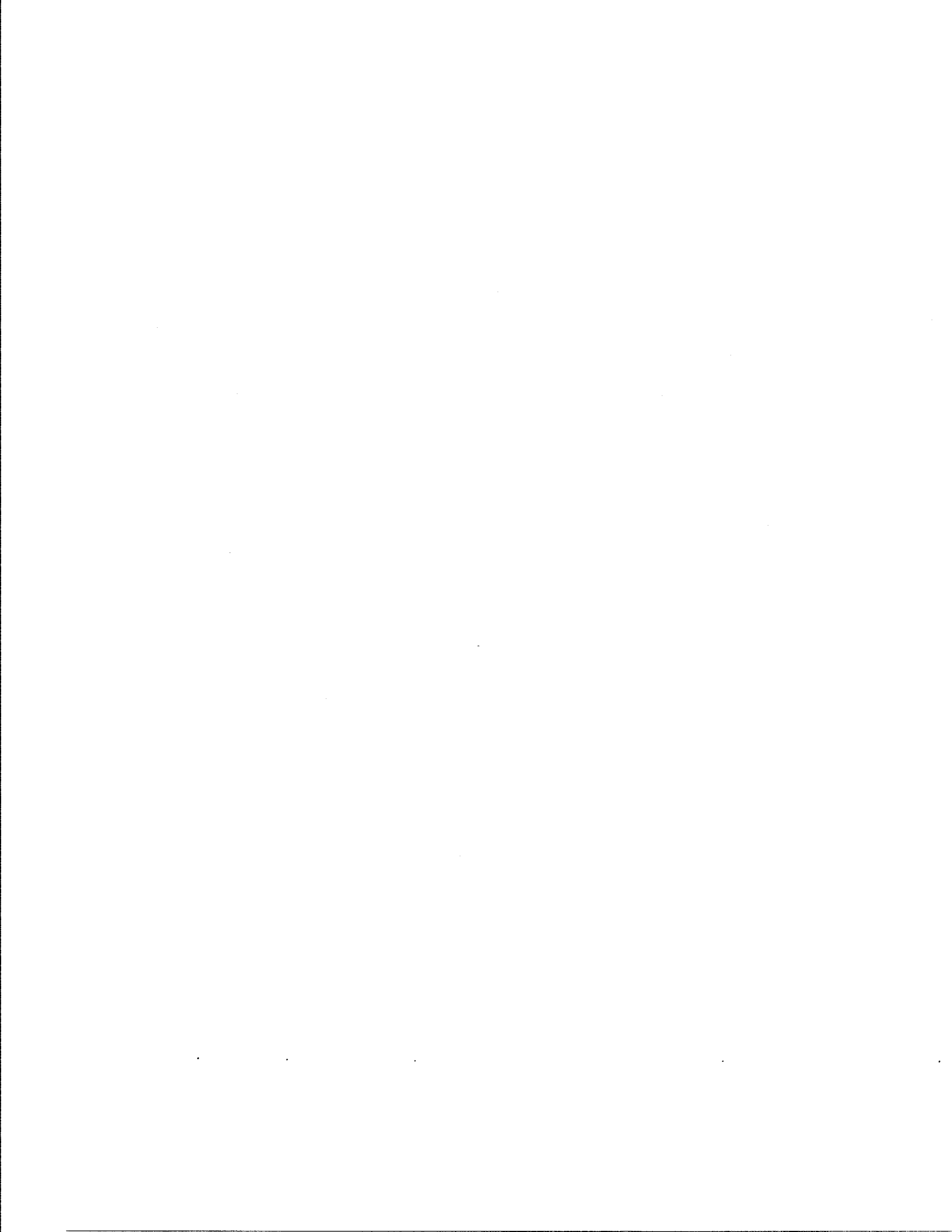
Prairie Resources Inc.

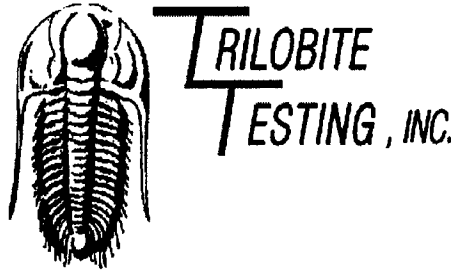
32-31s-12w-Barber-KS

DST Test Number: 1

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Prairie Resources Inc.**

2530 NW Willow Road  
Medicine Lodge KS 67104

ATTN: Tim Priest

**32-31s-12w-Barber-KS**

**Packard #1-32**

Start Date: 2006.03.14 @ 12:11:20

End Date: 2006.03.14 @ 16:07:20

Job Ticket #: 24032      DST #: 2

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

Prairie Resources Inc.

Packard #1-32

32-31s-12w-Barber-KS

DST # 2

Mississippi

2006.03.14





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Prairie Resources Inc.

**Packard #1-32**

2530 NW Willow Road  
Medicine Lodge KS 67104

**32-31s-12w-Barber-KS**

Job Ticket: 24032      **DST#: 2**

ATTN: Tim Priest

Test Start: 2006.03.14 @ 12:11:20

### Tool Information

Drill Pipe:	Length: 4169.00 ft	Diameter: 3.80 inches	Volume: 58.48 bbl	Tool Weight: 2100.00 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: 60000.00 lb
		Total Volume: 58.48 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4179.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4161.00	
Hydraulic tool	5.00			4166.00	
Safety Joint	3.00			4169.00	
Packer	5.00			4174.00	23.00 Bottom Of Top Packer
Packer	5.00			4179.00	
Stubb	1.00			4180.00	
Recorder	0.00	6625	Inside	4180.00	
Perforations	19.00			4199.00	
Recorder	0.00	11019	Outside	4199.00	
Bullnose	3.00			4202.00	23.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>46.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Prairie Resources Inc.  
2530 NW Willow Road  
Medicine Lodge KS 67104  
ATTN: Tim Priest

**Packard #1-32**  
**32-31s-12w-Barber-KS**  
Job Ticket: 24032      **DST#: 2**  
Test Start: 2006.03.14 @ 12:11:20

**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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7600.00 ppm			
Filter Cake: 0.02 inches			

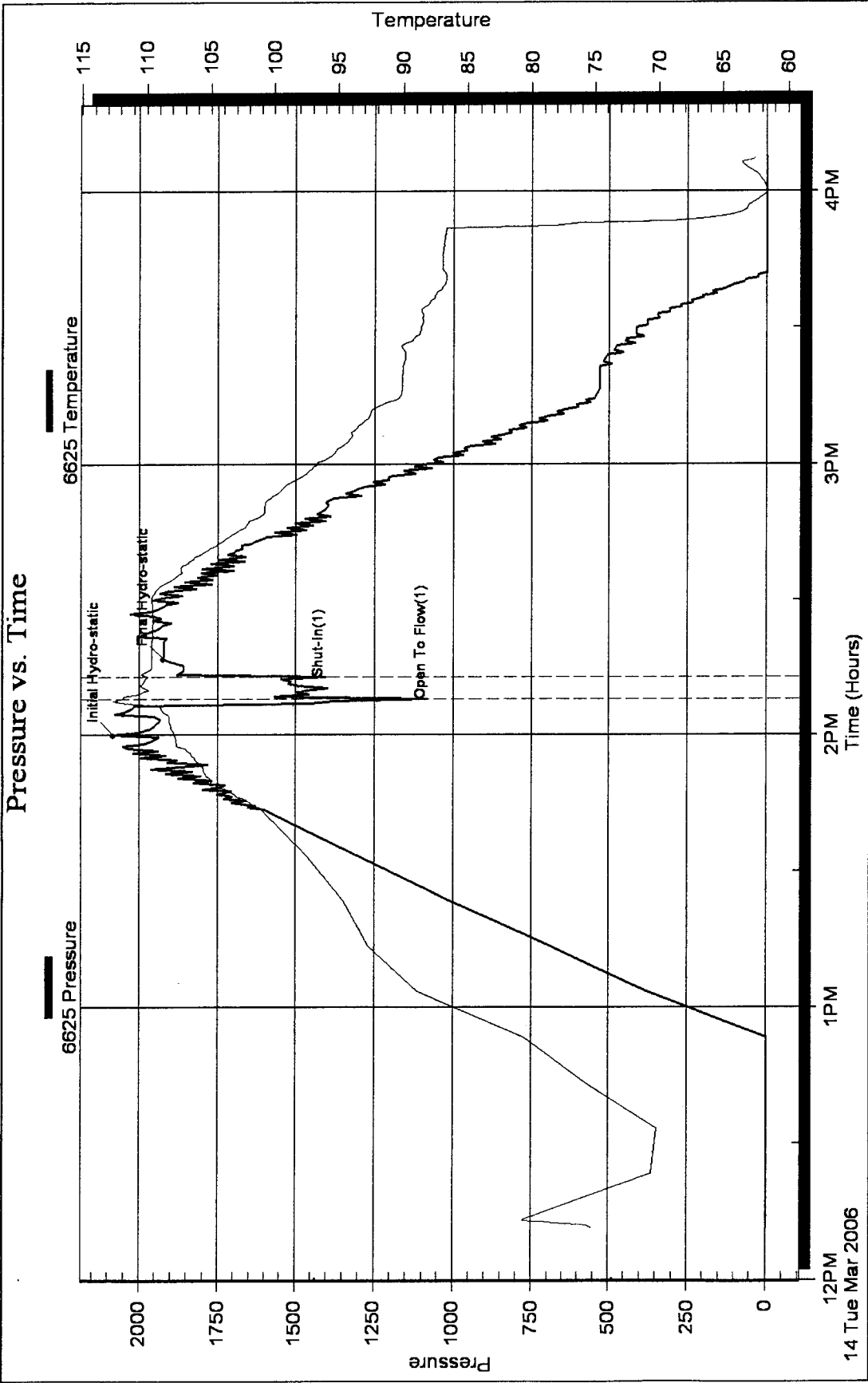
**Recovery Information**

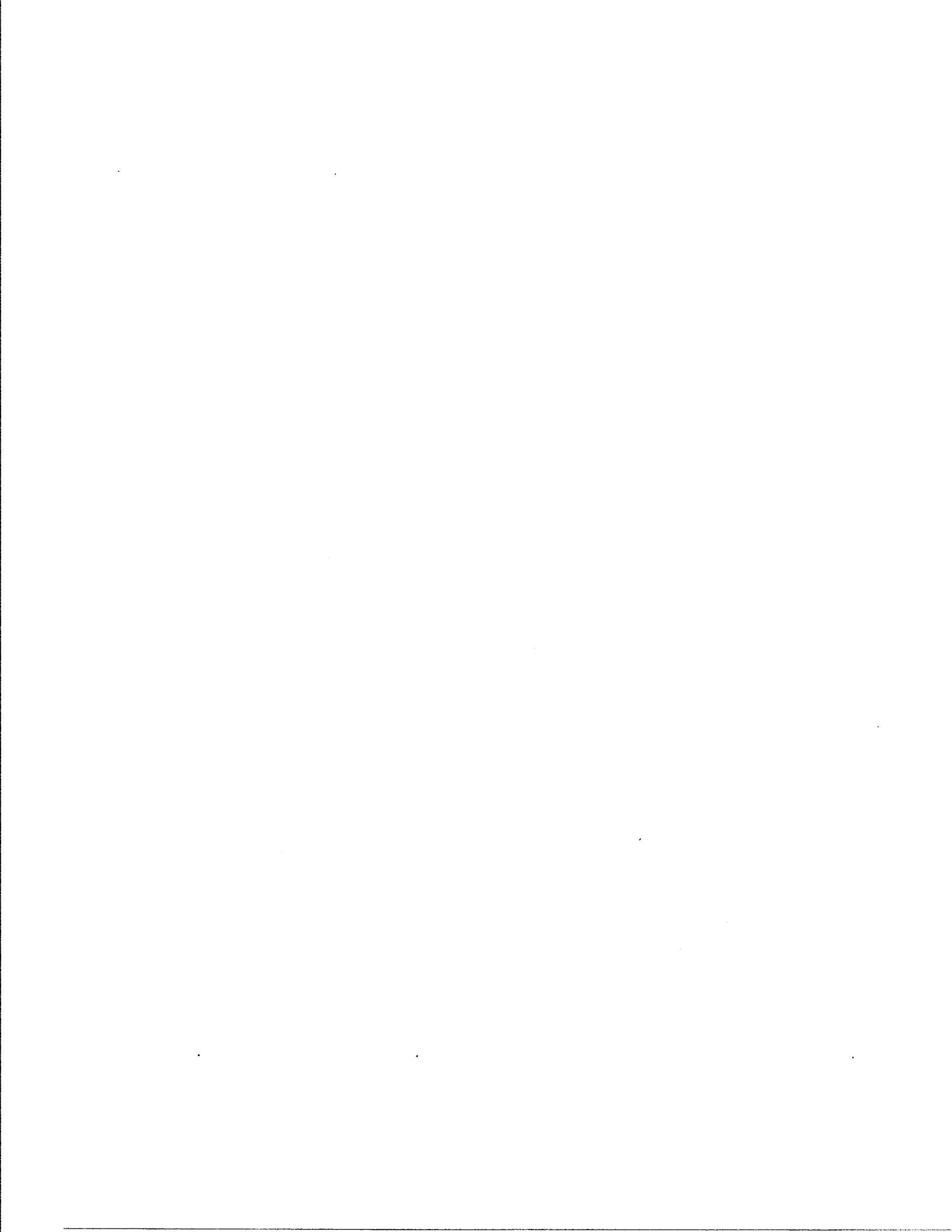
Recovery Table

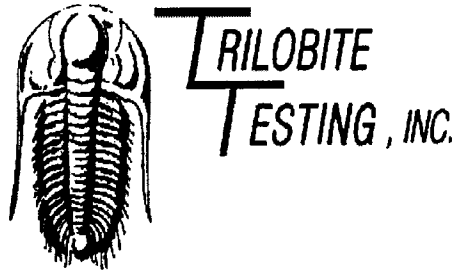
Length ft	Description	Volume bbl
1625.00	Drilling Mud	22.794
0.00		0.000

Total Length: 1625.00 ft      Total Volume: 22.794 bbl  
 Num Fluid Samples: 0      Num Gas Borbs: 0      Serial #: none  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

# Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Prairie Resources Inc.**

2530 NW Willow Road  
Medicine Lodge KS 67104

ATTN: Tim Priest

**32-31s-12w-Barber-KS**

**Packard #1-32**

Start Date: 2006.03.14 @ 16:16:55

End Date: 2006.03.14 @ 23:19:55

Job Ticket #: 24033      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Prairie Resources Inc.

Packard #1-32

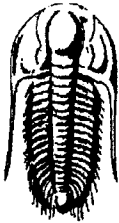
32-31s-12w-Barber-KS

DST # 3

Mississippi

2006.03.14





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Prairie Resources Inc.

Packard #1-32

2530 NW Willow Road  
Medicine Lodge KS 67104

32-31s-12w-Barber-KS

Job Ticket: 24033

DST#: 3

ATTN: Tim Priest

Test Start: 2006.03.14 @ 16:16:55

### Tool Information

Drill Pipe:	Length: 4169.00 ft	Diameter: 3.80 inches	Volume: 58.48 bbl	Tool Weight: 2100.00 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: 55000.00 lb
			<u>Total Volume: 58.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4173.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

### Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4155.00	
Hydraulic tool	5.00			4160.00	
Safety Joint	3.00			4163.00	
Packer	5.00			4168.00	23.00 Bottom Of Top Packer
Packer	5.00			4173.00	
Stubb	1.00			4174.00	
Recorder	0.00	6625	Inside	4174.00	
Perforations	25.00			4199.00	
Recorder	0.00	13255	Outside	4199.00	
Bullnose	3.00			4202.00	29.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>52.00</b>				



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Prairie Resources Inc.  
2530 NW Willow Road  
Medicine Lodge KS 67104  
ATTN: Tim Priest

**Packard #1-32**  
**32-31s-12w-Barber-KS**  
Job Ticket: 24033      **DST#: 3**  
Test Start: 2006.03.14 @ 16:16:55

**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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: 0.02 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
30.00	Drilling Mud	0.421
0.00		0.000

Total Length: 30.00 ft      Total Volume: 0.421 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

# Pressure vs. Time

