

15-065-23684

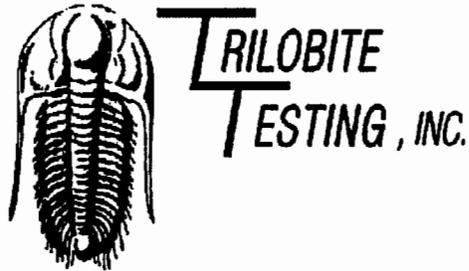
22-6s-25w

KCC

DEC 02 2010

CONFIDENTIAL

IND



### DRILL STEM TEST REPORT

Prepared For: **Blueridge Petroleum Corp.**

PO Box 1913  
Enid, OK 73702

ATTN: Josh Austin

**22-6s-25w Graham,KS**

**Lindenman #1-22**

Start Date: 2010.10.18 @ 05:40:00

End Date: 2010.10.18 @ 11:18:00

Job Ticket #: 040051      DST #: 1

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Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Blueridge Petroleum Corp.

Lindenman #1-22

22-6s-25w Graham,KS

DST # 1

Lans. "A - B"

2010.10.18





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Blueridge Petroleum Corp.

**Lindenman #1-22**

PO Box 1913  
Enid, OK 73702

**22-6s-25w Graham,KS**

Job Ticket: 040051      **DST#: 1**

ATTN: Josh Austin

Test Start: 2010.10.18 @ 05:40:00

**Tool Information**

Drill Pipe:	Length: 3643.00 ft	Diameter: 3.80 inches	Volume: 51.10 bbl	Tool Weight: 2000.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 51.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3684.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	64.00 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			3669.00	
Hydraulic tool	5.00			3674.00	
Packer	5.00			3679.00	20.00      Bottom Of Top Packer
Packer	5.00			3684.00	
Stubb	1.00			3685.00	
Recorder	0.00	8366	Inside	3685.00	
Recorder	0.00	8320	Inside	3685.00	
Perforations	5.00			3690.00	
Blank Spacing	33.00			3723.00	
Perforations	2.00			3725.00	
Bullnose	3.00			3728.00	44.00      Bottom Packers & Anchor

**Total Tool Length: 64.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Blueridge Petroleum Corp.

**Lindenman #1-22**

PO Box 1913  
Enid, OK 73702

**22-6s-25w Graham,KS**

Job Ticket: 040051      DST#: 1

ATTN: Josh Austin

Test Start: 2010.10.18 @ 05:40:00

**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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.15 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1700.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
55.00	Mud w/trace oil 100% <sub>m</sub>	0.489

Total Length: 55.00 ft      Total Volume: 0.489 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 8366

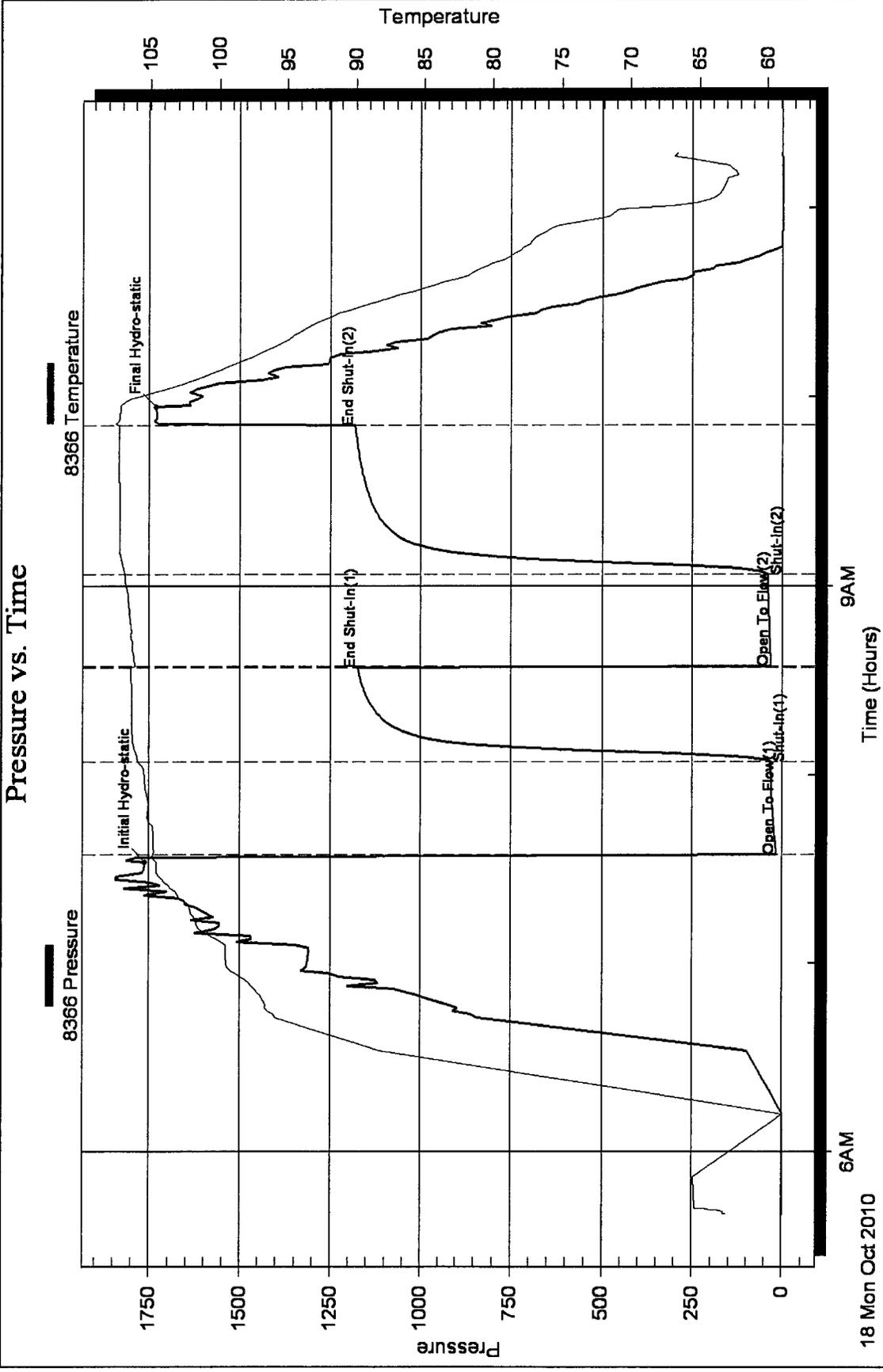
Inside

Blueridge Petroleum Corp.

22-6s-25w Graham,KS

DST Test Number: 1

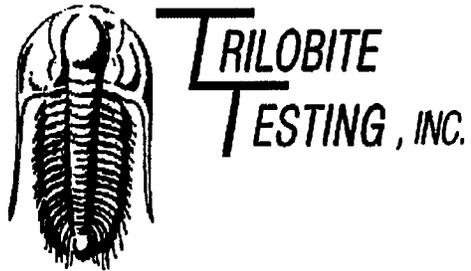
### Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 040051

Printed: 2010.10.28 @ 11:44:22 Page 5



## DRILL STEM TEST REPORT

Prepared For: **Blueridge Petroleum Corp.**

PO Box 1913  
Enid, OK 73702

ATTN: Josh Austin

**22-6s-25w Graham,KS**

**Lindenman #1-22**

Start Date: 2010.10.18 @ 19:19:00

End Date: 2010.10.19 @ 02:27:00

Job Ticket #: 040052      DST #: 2

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Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Blueridge Petroleum Corp.

**Lindenman #1-22**

PO Box 1913  
Enid, OK 73702

**22-6s-25w Graham,KS**

Job Ticket: 040052

**DST#: 2**

ATTN: Josh Austin

Test Start: 2010.10.18 @ 19:19:00

## Tool Information

Drill Pipe:	Length: 3705.00 ft	Diameter: 3.80 inches	Volume: 51.97 bbl	Tool Weight: 2000.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 52.12 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3726.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	62.00 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			3711.00	
Hydraulic tool	5.00			3716.00	
Packer	5.00			3721.00	20.00 Bottom Of Top Packer
Packer	5.00			3726.00	
Stubb	1.00			3727.00	
Recorder	0.00	8366	Inside	3727.00	
Recorder	0.00	8320	Inside	3727.00	
Perforations	5.00			3732.00	
Blank Spacing	33.00			3765.00	
Bullnose	3.00			3768.00	42.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>62.00</b>				

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**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Blueridge Petroleum Corp.

**Lindenman #1-22**

PO Box 1913  
Enid, OK 73702

**22-6s-25w Graham,KS**

Job Ticket: 040052      **DST#: 2**

ATTN: Josh Austin

Test Start: 2010.10.18 @ 19:19:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 25000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.95 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1900.00 ppm		
Filter Cake: 1.00 inches		

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
255.00	SMCW w/trace oil 92%w , 8%m	3.295
125.00	SGO/MCW 59%w , 32%m, 5%g, 4%o	1.753
280.00	SGO/WCM 67%m, 20%w , 7%g, 6%o	3.928
45.00	CO 94%o, 4%g, 2%m	0.631
0.00	GIP = 105'	0.000

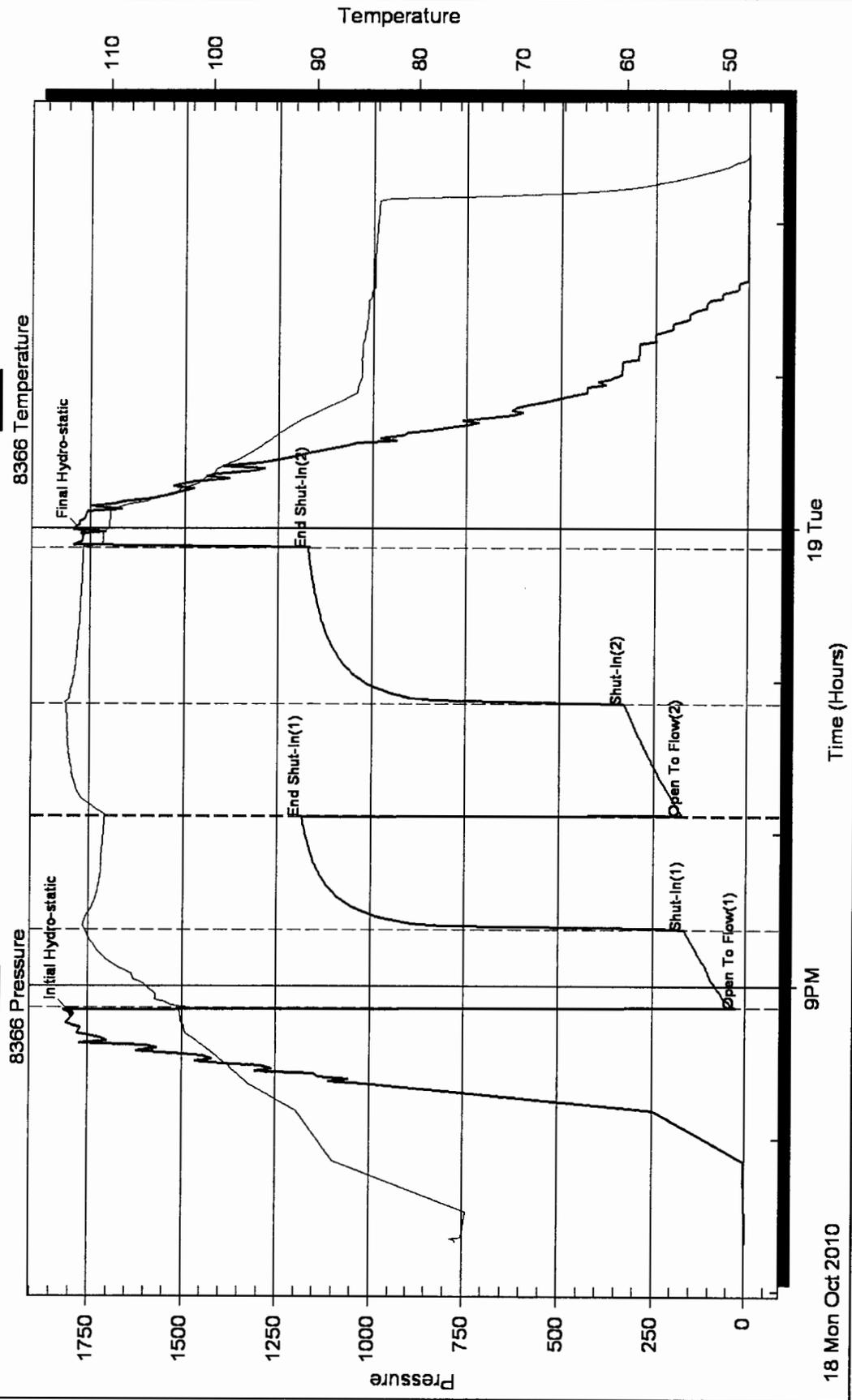
Total Length: 705.00 ft      Total Volume: 9.607 bbl

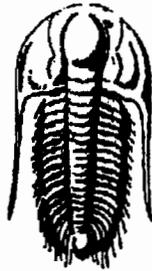
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial#:

Laboratory Name:      Laboratory Location:

Recovery Comments: Gravity = 33 api @ 50 deg F Corrected Gravity = 34 api  
RW = .389 ohms @ 50 deg F

# Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Blueridge Petroleum Corp.**

PO Box 1913  
Enid, OK 73702

ATTN: Josh Austin

**22-6s-25w Graham,KS**

**Lindenman #1-22**

Start Date: 2010.10.19 @ 13:20:00

End Date: 2010.10.19 @ 19:00:00

Job Ticket #: 040053          DST #: 3

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PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Blueridge Petroleum Corp.

Lindenman #1-22

PO Box 1913  
Enid, OK 73702

22-6s-25w Graham, KS

ATTN: Josh Austin

Job Ticket: 040053

DST#: 3

Test Start: 2010.10.19 @ 13:20:00

## GENERAL INFORMATION:

Formation: Lans. "H - I"  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 14:41:30  
Time Test Ended: 19:00:00

Test Type: Conventional Bottom Hole  
Tester: James Winder  
Unit No: 46

Interval: 3791.00 ft (KB) To 3845.00 ft (KB) (TVD)  
Total Depth: 3845.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2574.00 ft (KB)  
2566.00 ft (CF)  
KB to GR/CF: 8.00 ft

## Serial #: 8366

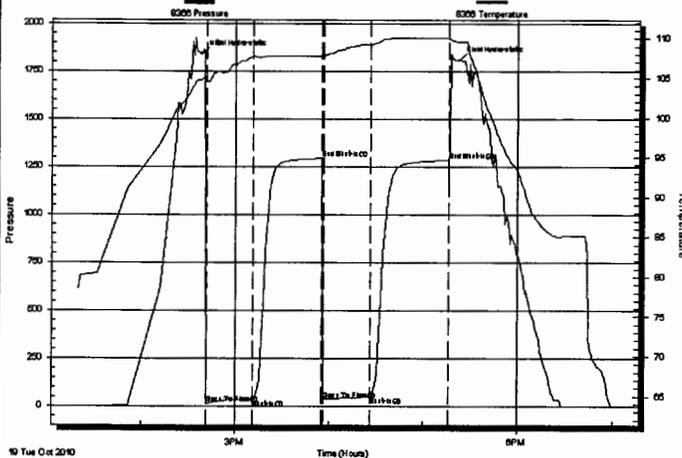
Inside

Press@RunDepth: 51.54 psig @ 3792.00 ft (KB)  
Start Date: 2010.10.19 End Date: 2010.10.19  
Start Time: 13:20:05 End Time: 18:59:59

Capacity: 8000.00 psig  
Last Calib.: 2010.10.19  
Time On Btm: 2010.10.19 @ 14:38:30  
Time Off Btm: 2010.10.19 @ 17:22:30

TEST COMMENT: IF: Blow built to 4 1/4"  
IS: Bled off, No blow back  
FF: Blow built to 3 3/4"  
FS: Bled off, No blow back

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1841.89	104.79	Initial Hydro-static
3	15.87	104.65	Open To Flow (1)
33	37.25	107.64	Shut-In(1)
77	1295.18	107.81	End Shut-In(1)
78	38.78	107.51	Open To Flow (2)
108	51.54	109.22	Shut-In(2)
158	1286.93	110.00	End Shut-In(2)
164	1809.91	109.58	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
61.00	SOWCM 77% m, 18% w, 5% o	0.57
20.00	OCM 70% m, 30% o	0.28
10.00	CO 98% o, 2% m	0.14

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Blueridge Petroleum Corp.

**Lindenman #1-22**

PO Box 1913  
Enid, OK 73702

**22-6s-25w Graham,KS**

Job Ticket: 040053

**DST#: 3**

ATTN: Josh Austin

Test Start: 2010.10.19 @ 13:20:00

### Tool Information

Drill Pipe:	Length: 3769.00 ft	Diameter: 3.80 inches	Volume: 52.87 bbl	Tool Weight: 2000.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: 53.02 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3791.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	74.00 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			3776.00	
Hydraulic tool	5.00			3781.00	
Packer	5.00			3786.00	20.00 Bottom Of Top Packer
Packer	5.00			3791.00	
Stubb	1.00			3792.00	
Recorder	0.00	8366	inside	3792.00	
Recorder	0.00	8320	inside	3792.00	
Perforations	15.00			3807.00	
Blank Spacing	32.00			3839.00	
Perforations	3.00			3842.00	
Bullnose	3.00			3845.00	54.00 Bottom Packers & Anchor

**Total Tool Length: 74.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Blueridge Petroleum Corp.

**Lindenman #1-22**

PO Box 1913  
Enid, OK 73702

**22-6s-25w Graham,KS**

Job Ticket: 040053

**DST#: 3**

ATTN: Josh Austin

Test Start: 2010.10.19 @ 13:20:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30.6 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	SO/WCM 77% <sub>m</sub> , 18% <sub>w</sub> , 5% <sub>o</sub>	0.573
20.00	OCM 70% <sub>m</sub> , 30% <sub>o</sub>	0.281
10.00	CO 98% <sub>o</sub> , 2% <sub>m</sub>	0.140

Total Length: 91.00 ft      Total Volume: 0.994 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 31.4 api @ 68 deg F

Corrected Gravity = 30.6 api

Serial #: 8366

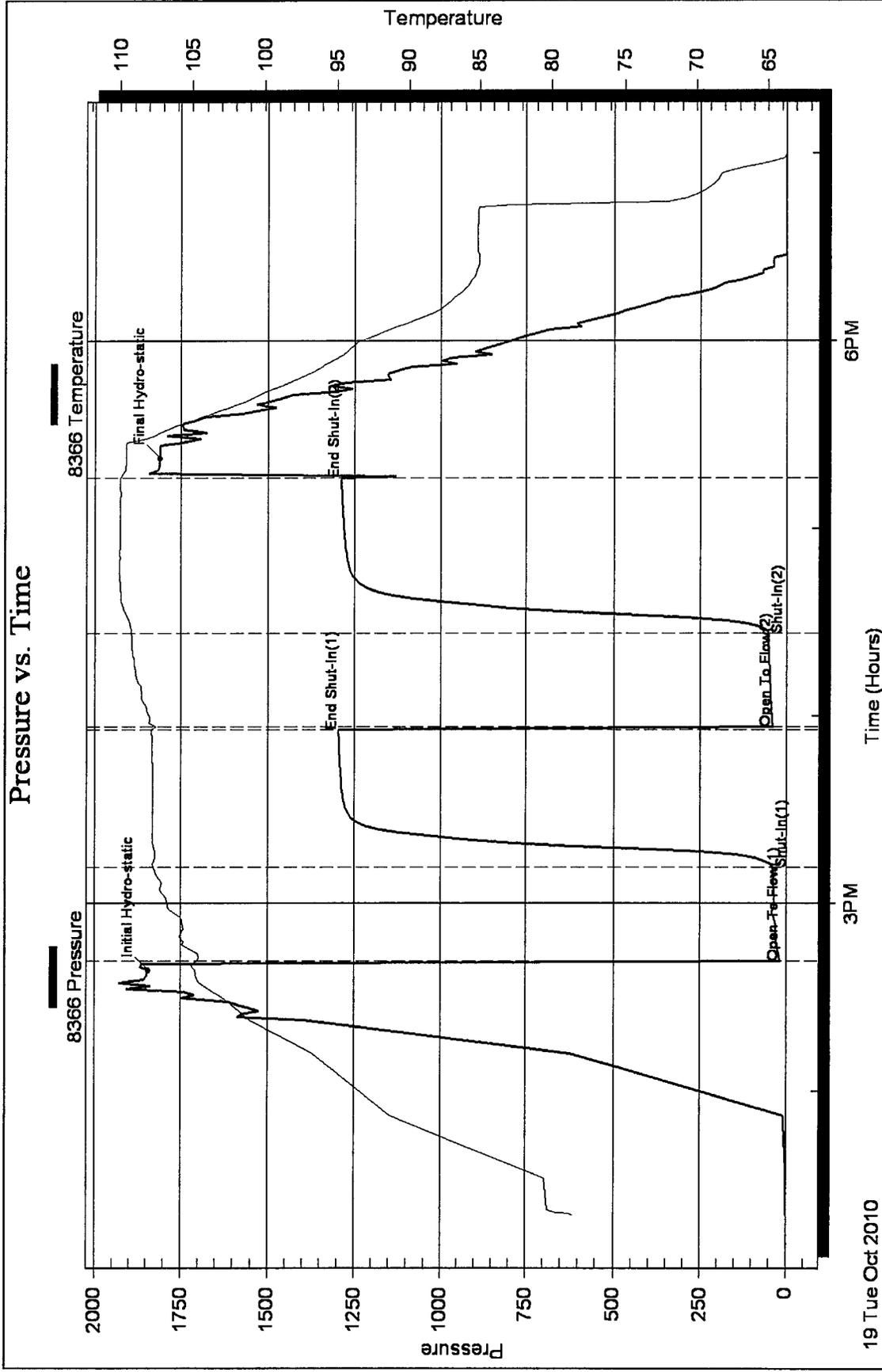
Inside

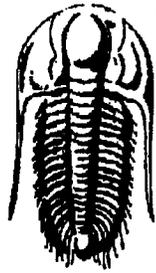
Blueridge Petroleum Corp.

22-6s-25w Graham,KS

DST Test Number: 3

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Blueridge Petroleum Corp.**

PO Box 1913  
Enid, OK 73702

ATTN: Josh Austin

**22-6s-25w Graham,KS**

**Lindenman #1-22**

Start Date: 2010.10.20 @ 02:55:00

End Date: 2010.10.20 @ 08:14:30

Job Ticket #: 040054          DST #: 4

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Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Blueridge Petroleum Corp.

PO Box 1913  
Enid, OK 73702

ATTN: Josh Austin

**Lindenman #1-22**

**22-6s-25w Graham,KS**

Job Ticket: 040054      DST#: 4

Test Start: 2010.10.20 @ 02:55:00

## GENERAL INFORMATION:

Formation: **Lans. "K"**

Deviated: **No** Whipstock:                      ft (KB)

Time Tool Opened: **04:21:00**

Time Test Ended: **08:14:30**

Test Type: **Conventional Bottom Hole**

Tester: **James Winder**

Unit No: **46**

Interval: **3856.00 ft (KB) To 3874.00 ft (KB) (TVD)**

Total Depth: **3874.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2574.00 ft (KB)**

**2566.00 ft (CF)**

KB to GR/CF: **8.00 ft**

**Serial #: 8366**

**Inside**

Press@RunDepth: **16.84 psig @ 3857.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.10.20**

End Date: **2010.10.20**

Last Calib.: **2010.10.20**

Start Time: **02:55:05**

End Time: **08:14:29**

Time On Btm: **2010.10.20 @ 04:18:00**

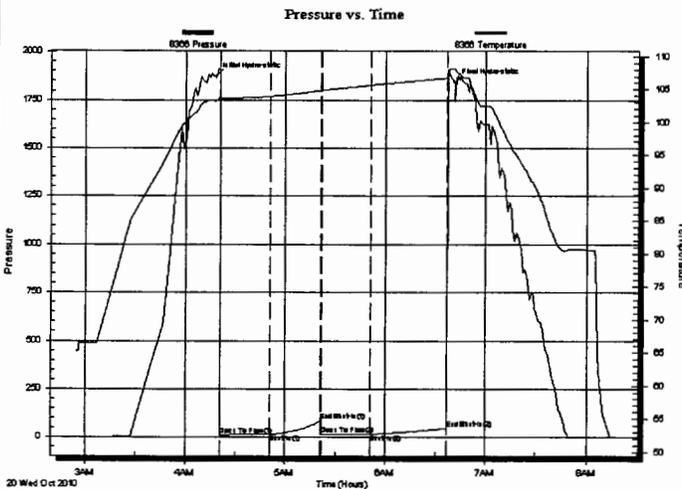
Time Off Btm: **2010.10.20 @ 06:41:00**

**TEST COMMENT:** IF: Blow built to 1/2"

IS: Bled off, No blow back

FF: No blow

FSI: No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1869.90	103.24	Initial Hydro-static
3	13.31	103.49	Open To Flow (1)
33	14.97	103.91	Shut-In(1)
63	83.91	104.81	End Shut-In(1)
64	15.86	104.79	Open To Flow (2)
93	16.84	105.63	Shut-In(2)
139	47.99	106.74	End Shut-In(2)
143	1844.44	108.12	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	SOCM 94% m, 4% o, 2% g	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Blueridge Petroleum Corp.

**Lindenman #1-22**

PO Box 1913  
Enid, OK 73702

**22-6s-25w Graham,KS**

Job Ticket: 040054      **DST#: 4**

ATTN: Josh Austin

Test Start: 2010.10.20 @ 02:55:00

### Tool Information

Drill Pipe:	Length: 3831.00 ft	Diameter: 3.80 inches	Volume: 53.74 bbl	Tool Weight: 1500.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 68000.00 lb
			<u>Total Volume: 53.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3856.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 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			3841.00	
Hydraulic tool	5.00			3846.00	
Packer	5.00			3851.00	20.00      Bottom Of Top Packer
Packer	5.00			3856.00	
Stubb	1.00			3857.00	
Recorder	0.00	8366	Inside	3857.00	
Recorder	0.00	8320	Inside	3857.00	
Perforations	14.00			3871.00	
Bullnose	3.00			3874.00	18.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>38.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Blueridge Petroleum Corp.

**Lindenman #1-22**

PO Box 1913  
Enid, OK 73702

**22-6s-25w Graham,KS**

Job Ticket: 040054      **DST#: 4**

ATTN: Josh Austin

Test Start: 2010.10.20 @ 02:55:00

**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: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1900.00 ppm			
Filter Cake: 1.00 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	SOCM 94% <sub>m</sub> , 4% <sub>o</sub> , 2% <sub>g</sub>	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

Serial #: 8366

Inside

Blueridge Petroleum Corp.

22-6s-25w Graham,KS

DST Test Number: 4

### Pressure vs. Time

