

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

11/7/13

OPERATOR: License # 31930 **KCC**  
Name: BlueRidge Petroleum Corporation  
Address 1: P.O. Box 1913  
Address 2: \_\_\_\_\_  
City: Enid State: OK Zip: 73702 + 1913  
Contact Person: Jonathan Allen  
Phone: (580) 242-3732  
CONTRACTOR: License # 5142 **RECEIVED**  
Name: Sterling Drilling Company  
Wellsite Geologist: James C. Musgrove **JAN 07 2011**  
Purchaser: NCRA **CONFIDENTIAL**  
**JAN 10 2011**  
**KCC WICHITA**

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  WSW  SWD  SIOW  
 Gas  D&A  ENHR  SIGW  
 OG  GSW  Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to ENHR  Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled Permit #: \_\_\_\_\_  
 Dual Completion Permit #: \_\_\_\_\_  
 SWD Permit #: \_\_\_\_\_  
 ENHR Permit #: \_\_\_\_\_  
 GSW Permit #: \_\_\_\_\_  
9/28/2010 10/08/2010 01/01/2011  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 057-20697-00-00  
Spot Description: \_\_\_\_\_  
SW NE SW NE Sec. 9 Twp. 27 S. R. 24  East  West  
1,812 Feet from  North /  South Line of Section  
1,872 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Ford  
Lease Name: Cheyenne Well #: 3-9  
Field Name: Gunsmoke  
Producing Formation: Pawnee  
Elevation: Ground: 2471' Kelly Bushing: 2484'  
Total Depth: 5102' Plug Back Total Depth: 5058'  
Amount of Surface Pipe Set and Cemented at: 450 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 1556 Feet  
If Alternate II completion, cement circulated from: 1556  
feet depth to: 600 w/ 200 sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content: 21,900 ppm Fluid volume: 850 bbls  
Dewatering method used: Haul off free fluids, allow to dry  
Location of fluid disposal if hauled offsite:  
Operator Name: Cheyenne Oil Services, Inc.  
Lease Name: Strecker License #: 7146  
Quarter NW Sec. 9 Twp. 24 S. R. 21  East  West  
County: Hodgeman Permit #: D21228

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**AFFIDAVIT**  
I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.  
Signature: [Signature]  
Title: President Date: 1/07/2011

**KCC Office Use ONLY**  
 Letter of Confidentiality Received Date: 1-7-11 - 1/7/13  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: NS Date: 1-19-11

Operator Name: BlueRidge Petroleum Corporation Lease Name: Cheyenne Well #: 3-9  
 Sec. 9 Twp. 27 S. R. 24  East  West County: Ford

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
*(Attach Additional Sheets)*

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No

Electric Log Submitted Electronically  Yes  No  
*(If no, Submit Copy)*

List All E. Logs Run:

DI, Micro, CDN, Sonic, CBL, Temp Survey

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Lansing	4272	-1788
Marmaton	4754	-2270
Pawnee	4808	-2324
Ft. Scott	4843	-2359
Morrow Shale	4958	-2484
Mississippi	5010	-2527

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	23#	450'	Standard	360	2% gel, 3% CC
Production	7-7/8"	5-1/2"	14#	5100'	EA2	125	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-550	SMD	100	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4808'-12'	250 gallons 15% MCA	
2 holes	550'	squeeze 100 sx SMD from 550' to surface	

TUBING RECORD:	Size: <u>2-7/8"</u>	Set At: <u>5057</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
----------------	---------------------	---------------------	------------	--

Date of First, Resumed Production, SWD or ENHR. <u>01/01/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
--	--

Estimated Production Per 24 Hours	Oil Bbls. <u>78</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio	Gravity
-----------------------------------	---------------------	------------------	----------------------	---------------	---------

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
	<input type="checkbox"/> Other (Specify) _____	

JOB LOG

SWIFT Services, Inc.

DATE 28 SEP 10 PAGE NO. 7

CUSTOMER BLUE RIDGE PETROLEUM

WELL NO.

LEASE CAYENNE 3-9

JOB TYPE CEMENT 8 5/8

TICKET NO. 19023

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600							ON LOCATION
	1650							START PIPE 8 5/8 - 23" RID @ 453 SA @ 446 KCC
								JAN 07 2011 CONFIDENTIAL
	1750							CIRCULATE.
	1803	4	63				100	MIX CEMENT 26DSx STD @ 14.7ppg.
	1826	5 1/2						START DISPLACEMENT
	1832	8	26				300	PLUG DOWN
								⊗ CEMENT DID NOT CIRCULATE TO SURFACE. ORDER MORE CEMENT
	2045							Run 1" PIPE ALONG SURFACE PIPE 60'
	2123	1	21				100	MIX CEMENT 100SL MIXED @ 15.6ppg CEMENT TO SURFACE @ 14 BBL.
	2155							Pull 1" OWR
								WASH TRUCK
	2230							JOB COMPLETE.
								RECEIVED JAN 10 2011 KCC WICHITA
								THANKS #110
								JASON JEFF JOHN JOE

**JOB LOG**

**SWIFT Services, Inc.**

DATE 9 OCT 10 PAGE NO. 1

CUSTOMER Blue Ridge WELL NO. 3-9 LEASE Chayenne JOB TYPE Cement long string TICKET NO. 19056

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								175 sks EA-2 5 1/2 14" casing Centralizers 1, 2, 6, 7, 8, 85 Basket - 84 PORTCOLLAR = 1556' RTD = 5100' shoe joint 42.18' 121 joint 5107' pipe <del>BASE</del>
								KCC JAN 07 2011 CONFIDENTIAL
	0410							on loc TRK 114
	0625							START 5 1/2 casing in well
	0845							Drop Ball - circulate
	1000	4 3/4	12				200	Pump 500 gal MUD FLUSH
	1010	4 3/4	20				200	Pump 20 BBL KCL flush
	1015		12					Plug RH - MH (30 sks - 205 sks)
	1030	4 3/4	30				300	Mix cement 125 sks EA-2 @ 15.4 ppg
	1042							Wash out pump 1/2 line
	1045							Drop latch down plug
	1047	6 3/4					200	Displace plug
		6 3/4	123				1000	
	1105						1500	Plug down -
	1110							Release pressure to truck - dried up
								wash up truck
	1150							job complete
								Thanks from Dave Blain

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JOB LOG

SWIFT Services, Inc. CONFIDENTIAL

DATE 10-22-10 PAGE NO. 7

CUSTOMER Blue Ridge Petroleum WELL NO. # 3-9 LEASE Choyenne JOB TYPE Cmt Ann TICKET NO. 18192

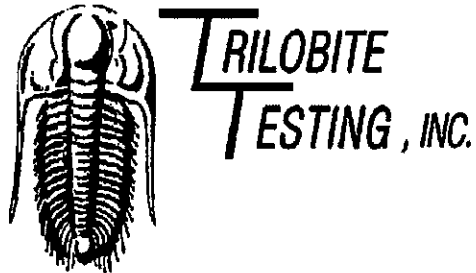
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1335					5 1/2	Ann On	location -
	1400					500		Setup Trk
						500	400	Hook to Ann 5 1/2 x 8 5/8 - Press 500 <sup>Casing</sup>
								Ini rate 0 -
								Release Pressures
								Perforate @ 550'
		1 1/2				300	Blow / Ret	Hook to 5 1/2 casing - Ini Rate
						300		Start cmt @ 11.2 - 12.2
			95 / 40 / 12			150	closed	Cmt c/c - Tail in 13 # cmt (5 BBL) (15 SKS) Displ 12 BBL H <sub>2</sub> O Close in casing -
								Washup & Reakup
								40 SKS to Pot
								60 SKS in well - (5 inside casing)
	15:30							Thanks Alan, Doug & Joe

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JAN 10 2011

KCC WICHITA

KCC  
JAN 07 2011  
CONFIDENTIAL



## DRILL STEM TEST REPORT

Prepared For: **Blue Ridge Petroleum Corporation**

PO Box 1913  
Enid OK 73702

ATTN: Jim Musgrove

**9-27s-24w Ford,KS**

**Cheyenne #3-9**

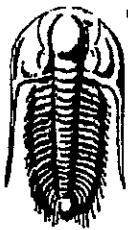
Start Date: 2010.10.05 @ 07:06:36

End Date: 2010.10.05 @ 22:34:21

Job Ticket #: 37445                      DST #: 1

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JAN 10 2011  
KCC WICHITA

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Blue Ridge Petroleum Corporation

**Cheyenne #3-9**

PO Box 1913  
Enid OK 73702

**9-27s-24w Ford,KS**

ATTN: Jim Musgrove

Job Ticket: 37445      DST#: 1

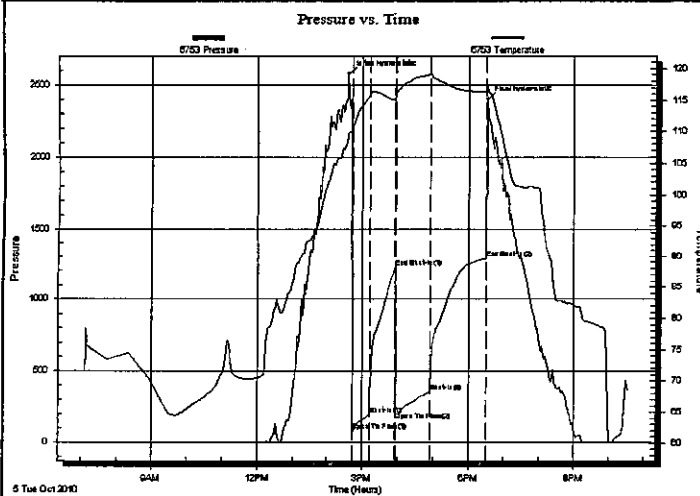
Test Start: 2010.10.05 @ 07:06:36

### GENERAL INFORMATION:

Formation: **Pawnee**  
 Deviated: No Whipstock:                      ft (KB)  
 Time Tool Opened: 14:43:36  
 Time Test Ended: 22:34:21  
 Interval: **4799.00 ft (KB) To 4830.00 ft (KB) (TVD)**  
 Total Depth: **4830.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Esak Hadley  
 Unit No: 28  
 Reference Elevations: 2484.00 ft (KB)  
 2471.00 ft (CF)  
 KB to GR/CF: 13.00 ft

**Serial #: 6753**      Outside  
 Press@RunDepth: 355.12 psig @ 4800.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2010.10.05      End Date: 2010.10.05      Last Calib.: 2010.10.05  
 Start Time: 07:06:41      End Time: 22:34:21      Time On Btm: 2010.10.05 @ 14:36:06  
 Time Off Btm: 2010.10.05 @ 18:31:51

**TEST COMMENT:** IF Strong blow . BOB in 45 sec. GTS in 30 min.  
 IS1 Weak surface blow . No more than 1/4 "  
 FF Fair blow . BOB in 3 min. (see gas flow report)  
 FSI Weak blow . Slow increase to 9".



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2573.21	109.74	Initial Hydro-static
8	77.82	110.76	Open To Flow (1)
37	195.11	115.60	Shut-In(1)
80	1221.64	115.00	End Shut-In(1)
81	216.58	116.06	Open To Flow (2)
140	355.12	119.10	Shut-In(2)
234	1286.82	116.30	End Shut-In(2)
236	2400.20	117.14	Final Hydro-static

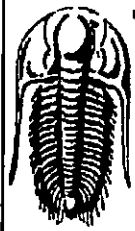
### Recovery

Length (ft)	Description	Volume (bbl)
62.00	GCMV 2%g 5%m 93%w	0.30
62.00	O&GCMV 5%o 5%g 10%m 80%w	0.30
62.00	O&GCMV 10%o 20%g 30%m 40%w	0.30
248.00	M&WCGO 20%m 20%w 25%g 35%o	2.09
573.00	GCO 30%g 70%o	8.04

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.00	5.76
Last Gas Rate	0.13	10.00	9.13
Max. Gas Rate	0.13	10.00	9.13





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Blue Ridge Petroleum Corporation

**Cheyenne #3-9**

PO Box 1913  
Enid OK 73702

**9-27s-24w Ford,KS**

Job Ticket: 37445

**DST#: 1**

ATTN: Jim Musgrove

Test Start: 2010.10.05 @ 07:06:36

## Tool Information

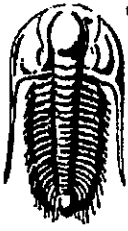
Drill Pipe:	Length: 4445.00 ft	Diameter: 3.80 inches	Volume: 62.35 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 339.00 ft	Diameter: 2.25 inches	Volume: 1.67 bbl	Weight to Pull Loose: 98000.00 lb
		<b>Total Volume:</b>	<b>64.02 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 88000.00 lb
Depth to Top Packer:	4799.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 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			4784.00	
Hydraulic tool	5.00			4789.00	
Packer	5.00			4794.00	20.00 Bottom Of Top Packer
Packer	5.00			4799.00	"
Stubb	1.00			4800.00	
Recorder	0.00	8676	Inside	4800.00	
Recorder	0.00	6753	Outside	4800.00	
Perforations	26.00			4826.00	
Bullnose	3.00			4829.00	30.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>50.00</b>				

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**TRILOBITE  
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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Blue Ridge Petroleum Corporation

**Cheyenne #3-9**

PO Box 1913  
Enid OK 73702

**9-27s-24w Ford,KS**

Job Ticket: 37445      DST#: 1

ATTN: Jim Musgrove

Test Start: 2010.10.05 @ 07:06:36

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 34000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.56 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 3000.00 ppm		
Filter Cake: 0.20 inches		

**Recovery Information**

**Recovery Table**

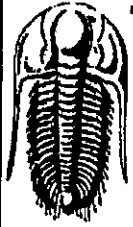
Length ft	Description	Volume bbl
62.00	GCMW 2%g 5%m 93%w	0.305
62.00	O&GCMW 5%o 5%g 10%m 80%w	0.305
62.00	O&GCMW 10%o 20%g 30%m 40%w	0.305
248.00	M&WCGO 20%m 20%w 25%g 35%o	2.085
573.00	GCO 30%g 70%o	8.038

Total Length: 1007.00 ft      Total Volume: 11.038 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: RW .22@64degF  
API 37@60degF



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# DRILL STEM TEST REPORT

**GAS RATES**

Blue Ridge Petroleum Corporation

**Cheyenne #3-9**

PO Box 1913  
Enid OK 73702

**9-27s-24w Ford,KS**

Job Ticket: 37445

DST#: 1

ATTN: Jim Musgrove

Test Start: 2010.10.05 @ 07:06:36

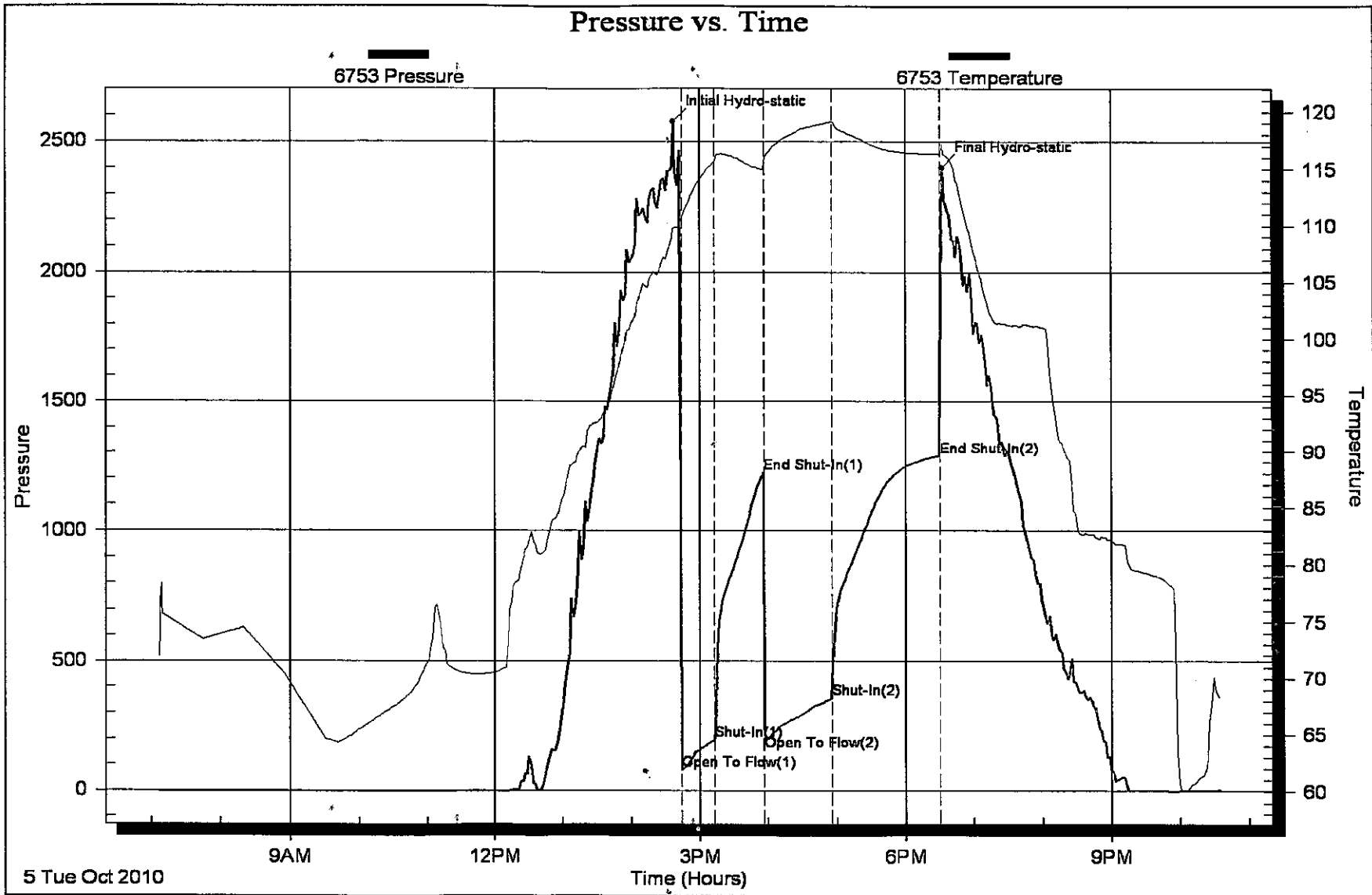
## Gas Rates Information

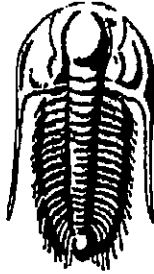
Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	10	0.13	1.00	5.76
2	10	0.13	1.00	5.76
2	20	0.13	4.00	6.89
2	30	0.13	7.00	8.01
2	40	0.13	9.00	8.76
2	50	0.13	10.00	9.13

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**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Blue Ridge Petroleum Corporation**

PO Box 1913  
Enid OK 73702

ATTN: Jim Musgrove

**9-27s-24w Ford,KS**

**Cheyenne #3-9**

Start Date: 2010.10.06 @ 18:05:57

End Date: 2010.10.07 @ 04:24:12

Job Ticket #: 37446                      DST #: 2

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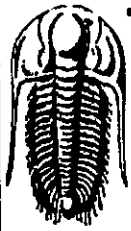
JAN 10 2011

KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Blue Ridge Petroleum Corporation

**Cheyenne #3-9**

PO Box 1913  
Enid OK 73702

**9-27s-24w Ford, KS**

Job Ticket: 37446

DST#: 2

ATTN: Jim Musgrove

Test Start: 2010.10.06 @ 18:05:57

## GENERAL INFORMATION:

Formation: **Morrow**

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

Time Tool Opened: **21:58:42**

Time Test Ended: **04:24:12**

Test Type: **Conventional Bottom Hole**

Tester: **Esak Hadley**

Unit No: **28**

Interval: **4947.00 ft (KB) To 4990.00 ft (KB) (TVD)**

Total Depth: **4990.00 ft (KB) (TVD)**

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

Reference Elevations: **2484.00 ft (KB)**

**2471.00 ft (CF)**

KB to GR/CF: **13.00 ft**

**Serial #: 8676**

**Inside**

Press@RunDepth: **31.66 psig @ 4948.00 ft (KB)**

Start Date: **2010.10.06**

End Date:

**2010.10.07**

Start Time: **18:06:02**

End Time:

**04:24:12**

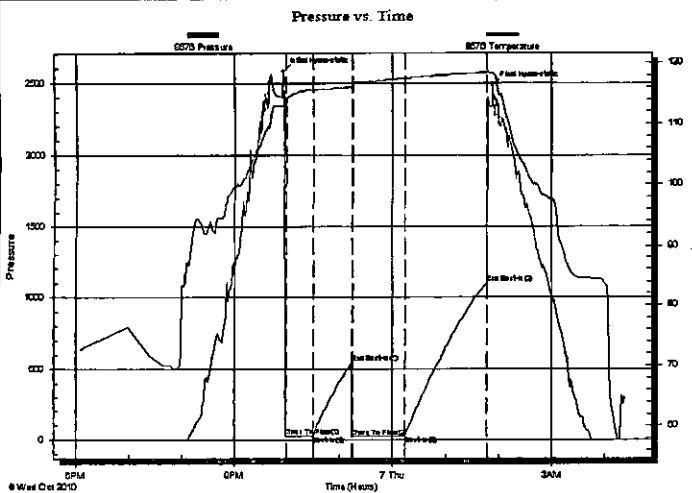
Capacity: **8000.00 psig**

Last Calib.: **2010.10.07**

Time On Btm: **2010.10.06 @ 21:55:42**

Time Off Btm: **2010.10.07 @ 01:52:57**

**TEST COMMENT:** IF Strong blow . BOB in 50 sec.  
ISI No blow .  
FF Strong blow . BOB in 2 sec.  
FSI No blow .



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2583.06	112.93	Initial Hydro-static
3	28.46	113.87	Open To Flow (1)
34	29.92	115.57	Shut-In(1)
79	544.87	116.06	End Shut-In(1)
80	20.86	115.96	Open To Flow (2)
139	31.66	117.51	Shut-In(2)
230	1099.94	118.41	End Shut-In(2)
238	2484.41	118.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	drilg mud w/ oil specs	0.15

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Blue Ridge Petroleum Corporation

**Cheyenne #3-9**

PO Box 1913  
Enid OK 73702

**9-27s-24w Ford,KS**

Job Ticket: 37446

DST#: 2

ATTN: Jim Musgrove

Test Start: 2010.10.06 @ 18:05:57

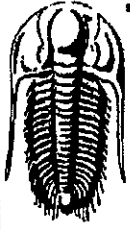
## Tool Information

Drill Pipe:	Length: 4606.00 ft	Diameter: 3.80 inches	Volume: 64.61 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: 26000.00 lb
Drill Collar:	Length: 339.00 ft	Diameter: 2.25 inches	Volume: 1.67 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 66.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	4947.00 ft			Final 92000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4927.00	
Shut In Tool	5.00			4932.00	
Hydraulic tool	5.00			4937.00	
Packer	5.00			4942.00	21.00 Bottom Of Top Packer
Packer	5.00			4947.00	
Stubb	1.00			4948.00	
Recorder	0.00	8676	Inside	4948.00	
Recorder	0.00	6753	Outside	4948.00	
Perforations	39.00			4987.00	
Bullnose	3.00			4990.00	43.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>64.00</b>				

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**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Ridge Petroleum Corporation

Cheyenne #3-9

PO Box 1913  
Enid OK 73702

9-27s-24w Ford,KS

Job Ticket: 37446

DST#: 2

ATTN: Jim Musgrove

Test Start: 2010.10.06 @ 18:05:57

## 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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.56 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

### Recovery Table

Length ft	Description	Volume bbl
30.00	drlg mud w / oil specs	0.148

Total Length: 30.00 ft

Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

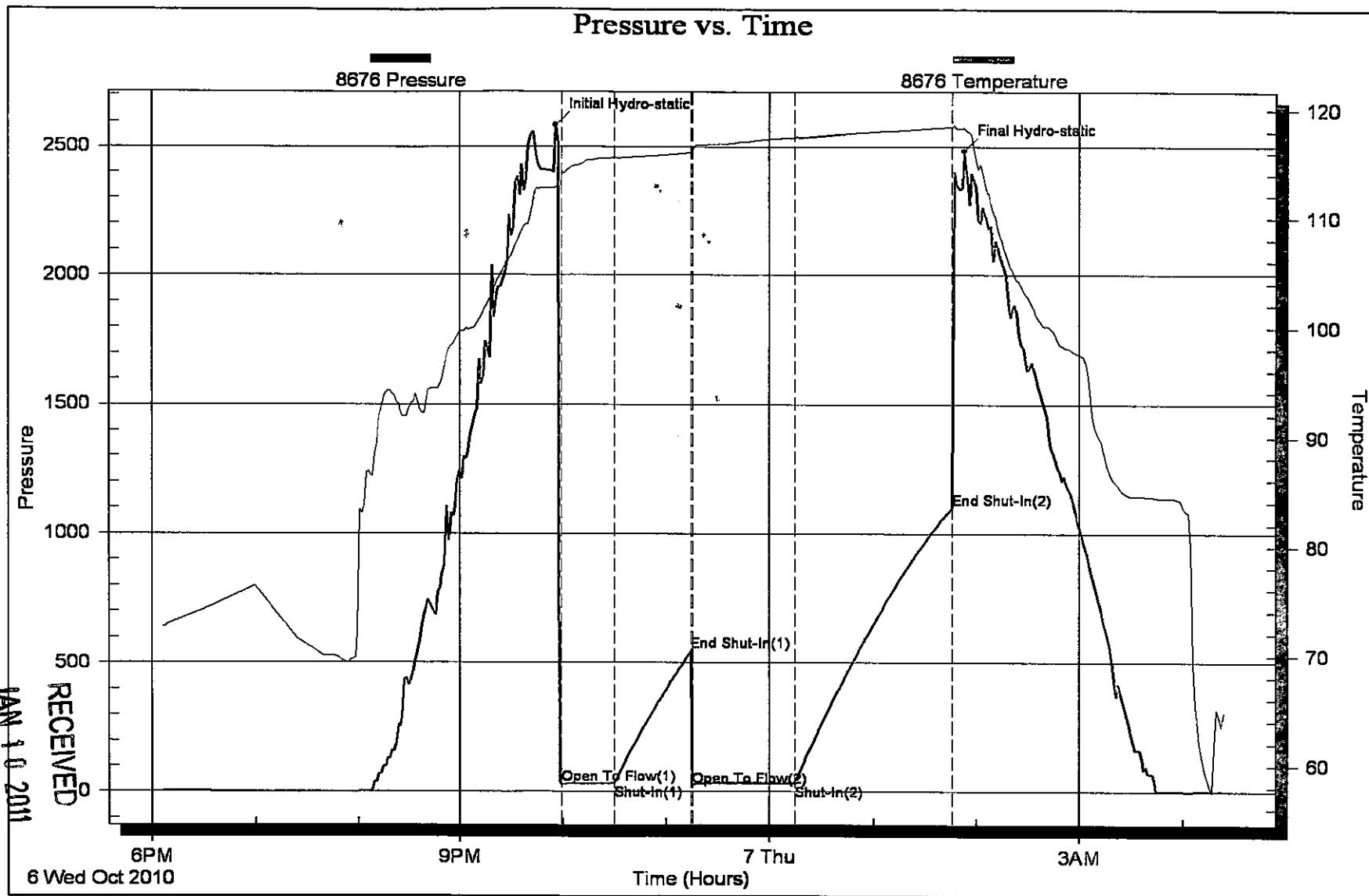
Laboratory Name:

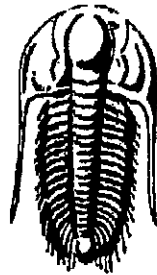
Laboratory Location:

Recovery Comments:



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**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Blue Ridge Petroleum Corporation**

PO Box 1913  
Enid OK 73702

ATTN: Jim Musgrove

**9-27s-24w Ford,KS**

**Cheyenne #3-9**

Start Date: 2010.10.07 @ 14:05:36

End Date: 2010.10.08 @ 00:19:06

Job Ticket #: 37447                      DST #: 3

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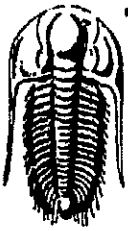
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Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Blue Ridge Petroleum Corporation

**Cheyenne #3-9**

PO Box 1913  
Enid OK 73702

**9-27s-24w Ford, KS**

Job Ticket: 37447

DST#: 3

ATTN: Jim Musgrove

Test Start: 2010.10.07 @ 14:05:36

## GENERAL INFORMATION:

Formation: **Morrow / Miss Chert**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:53:21

Time Test Ended: 00:19:06

Test Type: Conventional Bottom Hole

Tester: Esak Hadley

Unit No: 28

Interval: **4947.00 ft (KB) To 5015.00 ft (KB) (TVD)**

Total Depth: 5015.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2484.00 ft (KB)

2471.00 ft (CF)

KB to GR/CF: 13.00 ft

**Serial #: 8676**

Inside

Press@RunDepth: 64.46 psig @ 4948.00 ft (KB)

Start Date: 2010.10.07

End Date:

2010.10.08

Start Time: 14:05:41

End Time:

00:19:06

Capacity: 8000.00 psig

Last Calib.: 2010.10.08

Time On Btm: 2010.10.07 @ 17:50:51

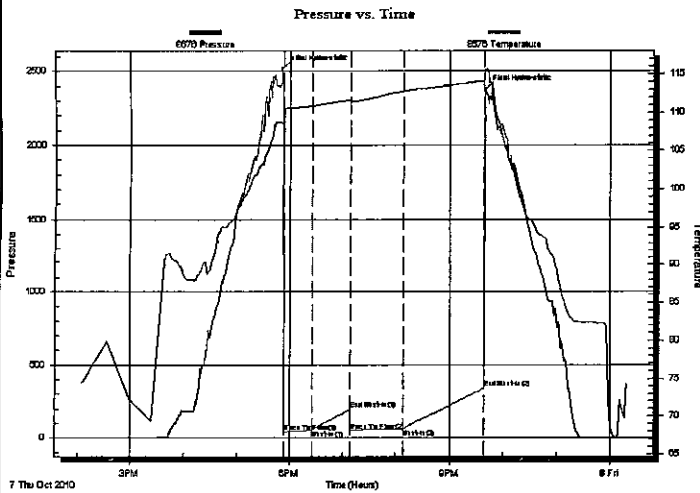
Time Off Btm: 2010.10.07 @ 21:40:05

**TEST COMMENT:** IF Strong blow . BOB in 60 sec.

ISI No blow .

FF Fair blow . BOB in 7 min.

FSI No blow .



## PRESSURE SUMMARY

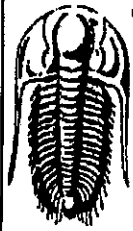
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2515.57	108.63	Initial Hydro-static
3	42.00	109.61	Open To Flow (1)
35	53.11	110.85	Shut-In(1)
78	195.19	111.64	End Shut-In(1)
79	46.54	111.49	Open To Flow (2)
138	64.46	112.78	Shut-In(2)
228	338.97	114.06	End Shut-In(2)
230	2377.14	115.47	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	O&GCM 5%o %5g 90%m	0.30
48.00	SGCM 2%g 98%m	0.24

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Blue Ridge Petroleum Corporation

**Cheyenne #3-9**

PO Box 1913  
Enid OK 73702

**9-27s-24w Ford,KS**

Job Ticket: 37447

DST#: 3

ATTN: Jim Musgrove

Test Start: 2010.10.07 @ 14:05:36

**Tool Information**

Drill Pipe:	Length: 4604.00 ft	Diameter: 3.80 inches	Volume: 64.58 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: 26000.00 lb
Drill Collar:	Length: 339.00 ft	Diameter: 2.25 inches	Volume: 1.67 bbl	Weight to Pull Loose: 114000.0 lb
			<u>Total Volume: 66.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	4947.00 ft			Final 92000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	89.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

**Tool Description**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4927.00	
Shut In Tool	5.00			4932.00	
Hydraulic tool	5.00			4937.00	
Packer	5.00			4942.00	21.00 Bottom Of Top Packer
Packer	5.00			4947.00	
Stubb	1.00			4948.00	
Recorder	0.00	8676	Inside	4948.00	
Recorder	0.00	6773	Outside	4948.00	
Perforations	9.00			4957.00	
Change Over Sub	1.00			4958.00	
Blank Spacing	32.00			4990.00	
Change Over Sub	1.00			4991.00	
Perforations	21.00			5012.00	
Bullnose	3.00			5015.00	68.00 Bottom Packers & Anchor

**Total Tool Length: 89.00**

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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Blue Ridge Petroleum Corporation

**Cheyenne #3-9**

PO Box 1913  
Enid OK 73702

**9-27s-24w Ford,KS**

Job Ticket: 37447

**DST#: 3**

ATTN: Jim Musgrove

Test Start: 2010.10.07 @ 14:05:36

**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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5900.00 ppm			
Filter Cake: 0.20 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
62.00	O&GCM 5%o %5g 90%m	0.305
48.00	SGCM 2%g 98%m	0.236

Total Length: 110.00 ft      Total Volume: 0.541 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

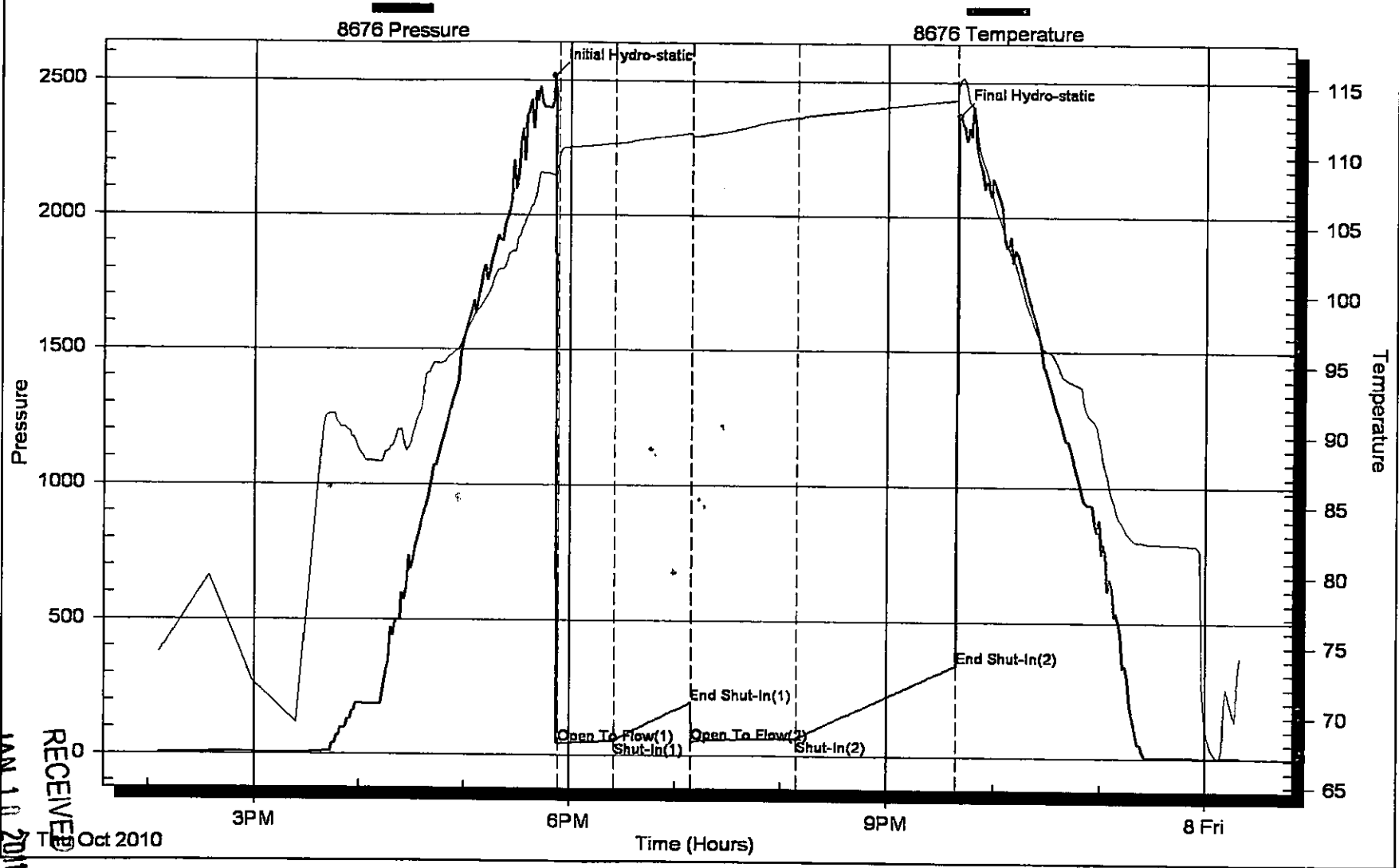
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



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