



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1184998  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1184998

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input 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

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

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Blue Ridge Petroleum Corporation
Well Name	Tammany 3-29
Doc ID	1184998

Tops

Name	Top	Datum
Anhydrite	1791	+752
Heebner	3864	-1321
Toronto	3876	-1333
Lansing	3903	-1360
BKC	4277	-1734
Marmaton	4285	-1742
Pawnee	4370	-1827
Ft. Scott	4432	-1889
Cherokee Shale	4456	-1913
Weathered Miss	4523	-1980
Mississippi	4534	-1991





**NOTES**

Company:Blueridge Petroleum Corporation

Lease:Tammany 3-29

Field:Sonador

Location:NW-NE-SW-SE (1234' FSL & 1756' FEL)

Sec:29 Twsp:19S Rge:25W

County:Ness State:Kansas

KB:2543' GL:2534'

API #: 15-135-25704-0000

Contractor:Southwind Drilling, Inc. (Rig #8)

Spud:12/02/2013 Comp:12/10/2013

RTD:4649' LTD:4650'

Mud Up: 3600' Type Mud: Chemical

Samples Saved From: 3700' to RTD  
 Drilling Time Kept From:3700' to RTD  
 Samples Examined From: 3700' to RTD  
 Geological Supervision from:3700' to RTD  
 Geologist on Well: Wyatt Urban

Surface Casing: 8 5/8@ 626'

Electronic Surveys: Logged by Nabors; CDL/CNL, MEL, DIL,

**Blueridge Petroleum Corporation  
well comparison sheet**

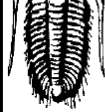
DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
Blueridge Petro-Tammany #3-29					Blueridge Petro-Sonador 1-29				Blueridge Petro-Riva Ridge			
NW-NE-SW-SE 29-19S-25W					SE-NE-NW 27-11S-19W				NE-NE-SW 29-19S-25W			
2543 KB					2540 KB		Structural Relationship		2560 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	3862	-1319	3864	-1321	3863	-1323	4	2	3888	-1328	9	7
Toronto	3880	-1337	3876	-1333	3883	-1343	6	10				
Lansing	3901	-1358	3903	-1360	3903	-1363	5	3	3930	-1370	12	10
BKC	4273	-1730	4277	-1734	4266	-1726	-4	-8				
Marmaton	4283	-1740	4285	-1742	4276	-1736	-4	-6				
Pawnee	4368	-1825	4370	-1827	4362	-1822	-3	-5	4385	-1825	0	-2
Ft. Scott	4430	-1887	4432	-1889	4421	-1881	-6	-8	4448	-1888	1	-1
Cherokee Sh.	4454	-1911	4456	-1913	4445	-1905	-6	-8	4475	-1915	-4	2
W/ Miss	4521	-1978	4523	-1980	4507	-1967	-11	-13				
Miss	4530	-1987	4534	-1991	4519	-1979	-8	-12	4545	-1985	-2	-6
RTD	4649	-2106	4649	-2106	4600	-2060	-46	-46	4620	-2060	-46	-46
LTD	4650	-2107	4650	-2107	4606	-2066	-41	-41	4615	-2055	-52	-52



**DRILL STEM TEST REPORT**

Blue Ridge Petro

29 19s 25w Ness Ks.



TESTING, INC

P.O. Box 1913  
Enid Ok.  
7302  
ATTN: Wyatt

Tammy 3-29

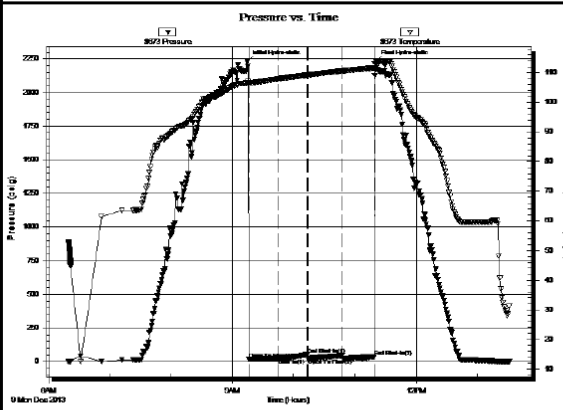
Job Ticket: 55931 DST#: 1  
Test Start: 2013.12.09 @ 06:19:00

GENERAL INFORMATION:

Formation: **Fort Scott**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 09:16:00  
Time Test Ended: 13:31:30  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Chuck Kreutzer Jr.  
Unit No: 61  
Interval: **4406.00 ft (KB) To 4480.00 ft (KB) (TVD)**  
Total Depth: 4480.00 ft (KB) (TVD)  
Reference Elevations: 2534.00 ft (KB)  
2525.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
KB to GR/CF: 9.00 ft

**Serial #: 8673 Inside**  
Press@RunDepth: 46.34 psig @ 4407.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.12.09 End Date: 2013.12.09 Last Calib.: 2013.12.09  
Start Time: 06:19:01 End Time: 13:31:30 Time On Btm: 2013.12.09 @ 09:14:30  
Time Off Btm: 2013.12.09 @ 11:21:00

TEST COMMENT: F: Weak surface blow, Died in 13 mins.  
IS: No blow back over 30 mins.  
FF: No blow over 30 mins.  
FS: No blow back over 30 mins.



PRESSURE SUMMARY

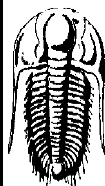
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2230.01	106.59	Initial Hydro-static
2	20.21	106.36	Open To Flow (1)
31	21.61	107.91	Shut-In(1)
59	52.55	109.25	End Shut-In(1)
60	22.63	109.25	Open To Flow (2)
93	46.34	110.59	Shut-In(2)
125	37.05	111.66	End Shut-In(2)
127	2229.97	112.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil specs	0.07

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

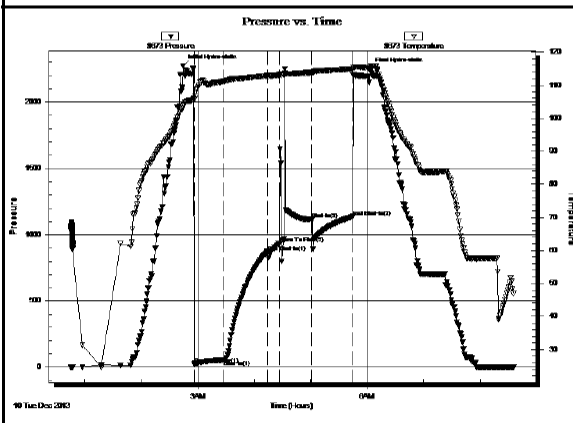
Blue Ridge Petro **29 19s 25w Ness Ks.**  
P.O. Box 1913  
Enid OK. 7302  
ATTN: Wyatt Urban  
**Tammy 3-29**  
Job Ticket: 55932 DST#: 2  
Test Start: 2013.12.10 @ 00:45:00

GENERAL INFORMATION:

Formation: **Miss.**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 02:56:30  
Time Test Ended: 08:35:30  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Chuck Kreutzer Jr.  
Unit No: 61  
Interval: **4478.00 ft (KB) To 4544.00 ft (KB) (TVD)**  
Total Depth: 4544.00 ft (KB) (TVD)  
Reference Elevations: 2534.00 ft (KB)  
2525.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
KB to GR/CF: 9.00 ft

**Serial #: 8673 Inside**  
Press@RunDepth: 1116.48 psig @ 4479.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2013.12.10 End Date: 2013.12.10 Last Calib.: 2013.12.10  
Start Time: 00:45:01 End Time: 08:35:30 Time On Btm: 2013.12.10 @ 02:44:30  
Time Off Btm: 2013.12.10 @ 06:03:00

TEST COMMENT: IF: Fair blow, Built to B.O.B in 20 mins.  
IS: No blow back  
FF: No blow over 15 mins. Flushed tool w weak blow for 3 sec.  
FS: No blow back



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2271.98	103.37	Initial Hydro-static
12	26.35	105.76	Open To Flow (1)
44	54.26	111.21	Shut-In(1)
90	868.55	112.85	End Shut-In(1)
102	934.24	113.08	Open To Flow (2)
137	1116.48	113.88	Shut-In(2)
181	1135.95	114.93	End Shut-In(2)
199	2247.61	115.35	Final Hydro-static

Length (ft)	Description	Volume (bbl)
60.00	socm-20%o80%o	0.84
30.00	Hocm-30%o70%o	0.42

\* Recovery from multiple tests

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

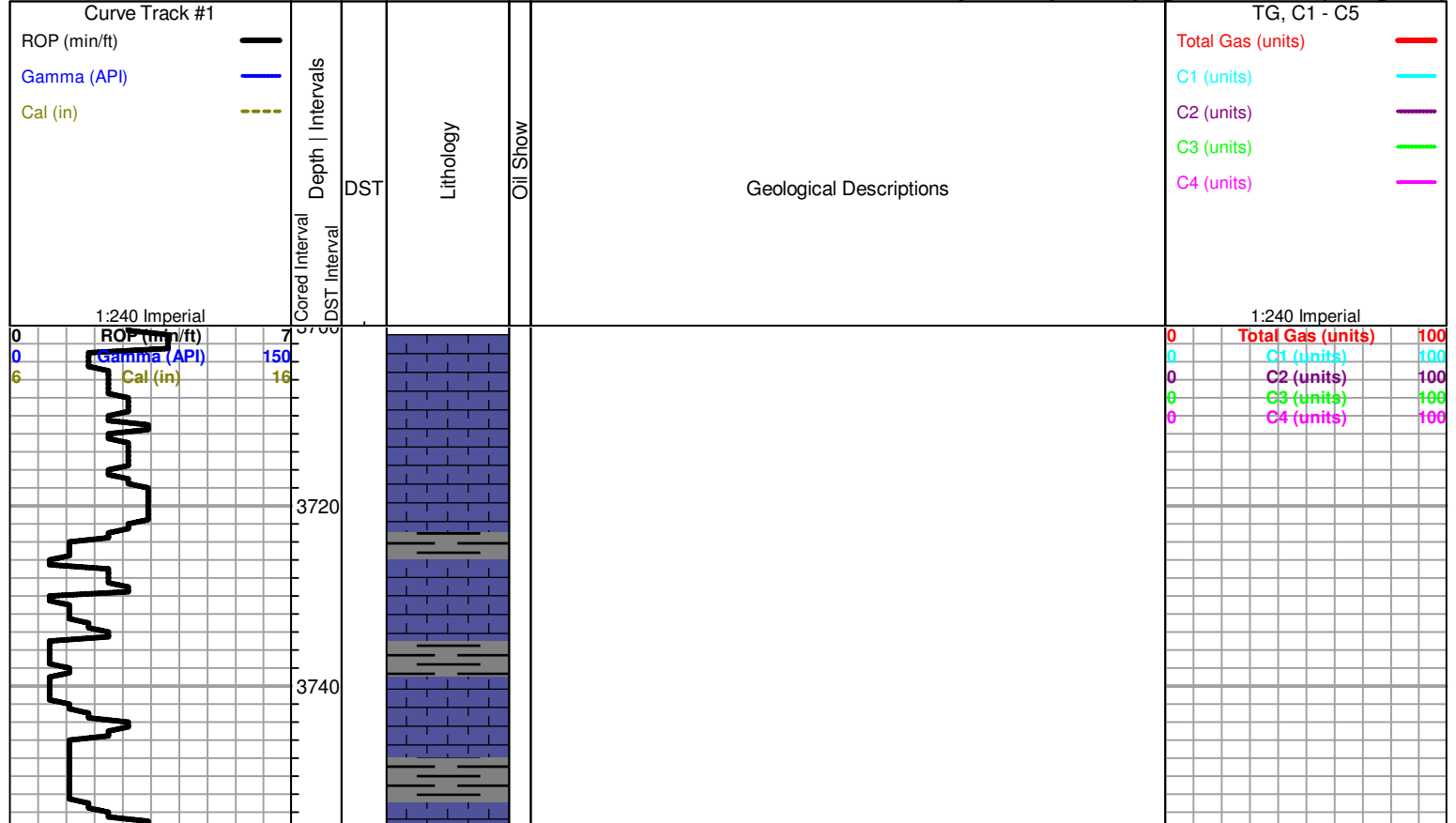
### ROCK TYPES

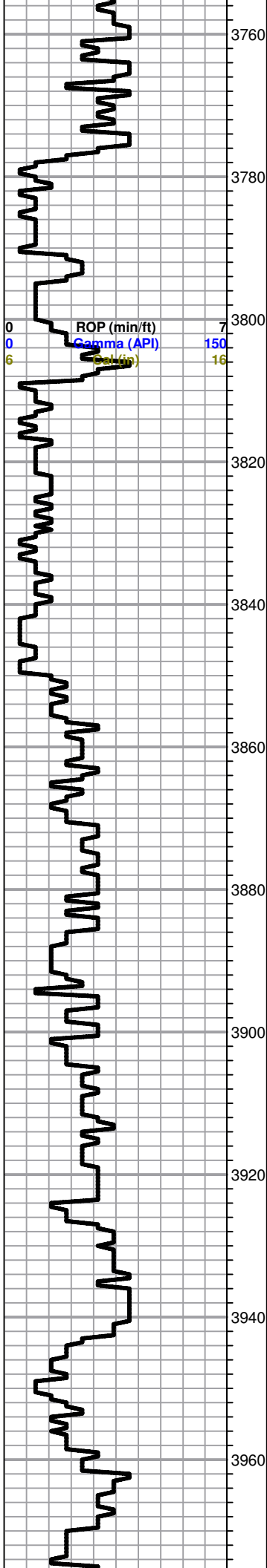
Clystgy	Dolprim	Lmst fw<7	Carbon Sh
Chtcongl	Dolsec	shale, gry	shale, red

### OTHER SYMBOLS

<b>Oil Show</b> ● Good Show ● Fair Show ○ Poor Show ○ Spotted or Trace ○ Questionable Strn D Dead Oil Strn ■ Fluorescence * Gas	<b>DST</b> DST Int DST alt Core tail pipe
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Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





LS, cream to tan, FXL, few foss poor vis. porosity,

LS, tan to brown, FXL, foss, poor vis porosity, slightly chalky, dense,

LS, brown, FXL, poor scattered porosity, no shows

**HEEBNER 3864 (-1321))**

Black carb shale

**TORONTO 3877 (-1334)**

LS, tan , FXL, poor scattered porosity, chalky, no shows

**LANSING 3905 (-1362)**

LS, cream to white, FXL foss, chalky, light brown trace stain, NSFO, no odor

LS, brown to tan, FXL,foss, dense, poor visible porosity, poor INXLN porosity, slightly cherty in parts

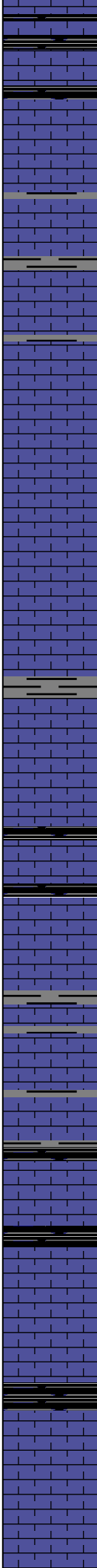
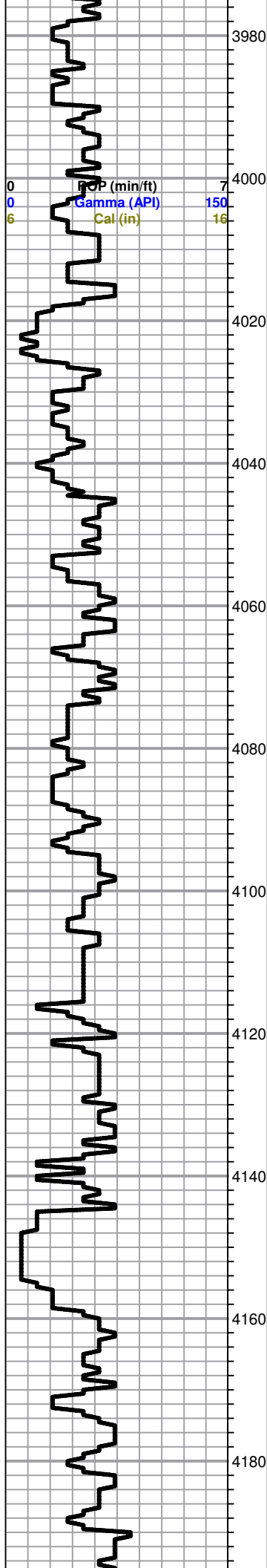
Sh. black gray, silty

LS, A/A trace brown, opaque chert

LS, tan to buff, M-FXL, poor visible porosity, chalky,

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100





LS, A/A trace opaque ool chert, dense, no show,  
Black carb shale

LS, cream to white, FXL, foss, poor scattered porosity,  
no show.

LS, tan to cream, dense, few foss, poor scattered  
porosity, chalky in parts

SH, black to gray, silty

LS, tan, FXL, cherty, dense, poor visible porosity, no  
shows

Black carb shale, trace brick red, gray, grenish shale

LS, tan, chalky, few foss, trace chert, opaque,

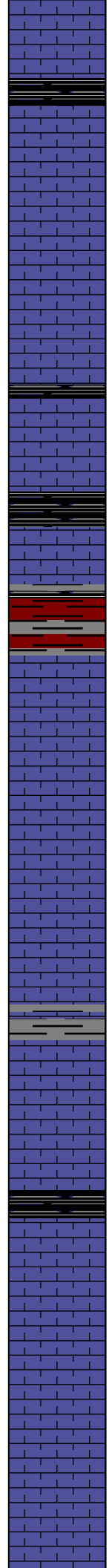
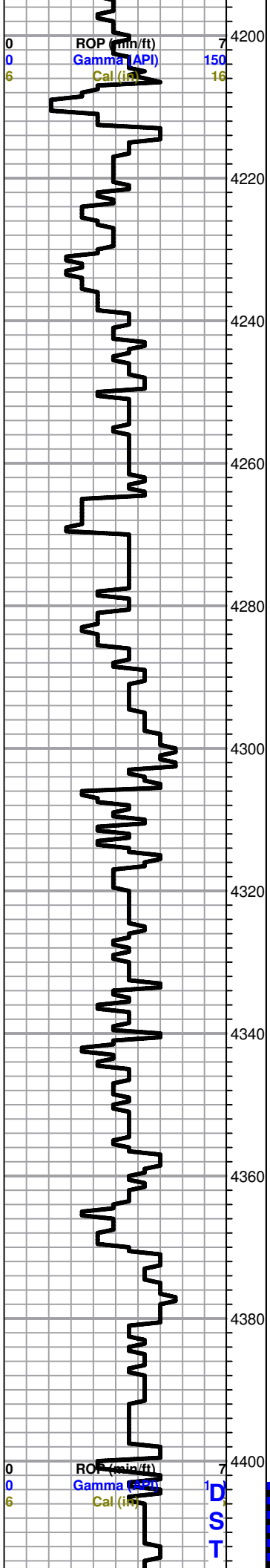
LS, tan, ool, poorly developed, poor scattered porosity,  
poor INXLN porosity, no shows

Black carb shale

LS, cream ool, good oom porosity, no shows,

LS, tan, few ool, chalky, poor visible porosity, no  
shows

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



Black carb shale

LS, tan to brown, FXL, chalky, cherty, trace gray chert

LS, tan, FXL, slightly dol, sub ool, foss, poor INXLN porosity, poor/ fair visible porosity, no shows

**BKC 4277 (-1734)**

Sh. gray, black, brick red, trace opaque chert

**Marmaton 4285 (-1742)**

LS, tan FXL, dense, poor scattered porosity, no shows

**Altamont**

LS, tan, brown, mottled, FXL, dense, poor visible porosity, dense, no shows

Sh. gray, silty

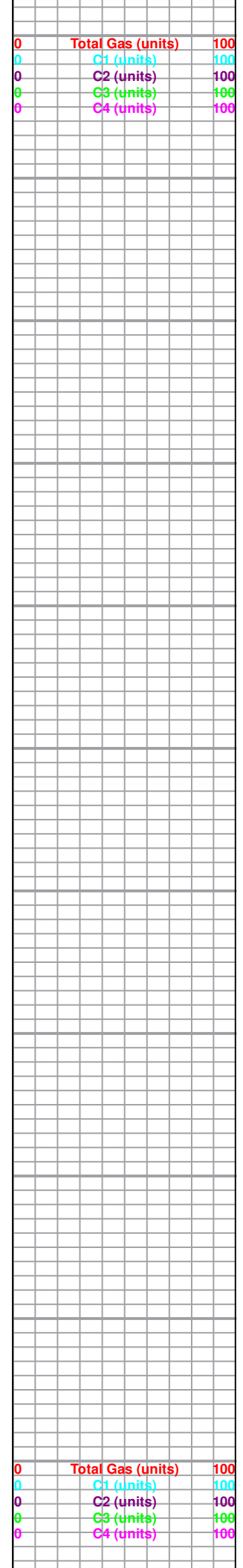
LS, brown, FXL, foss, poor scatt porosity, dense, cherty in parts, no shows

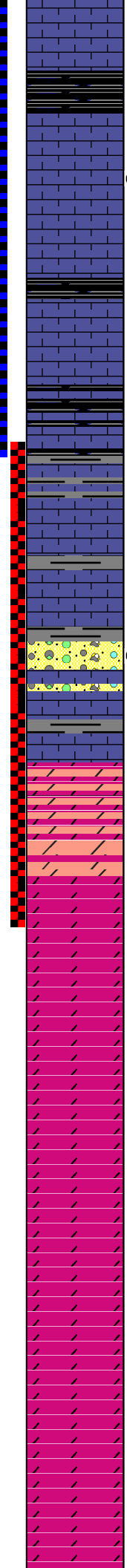
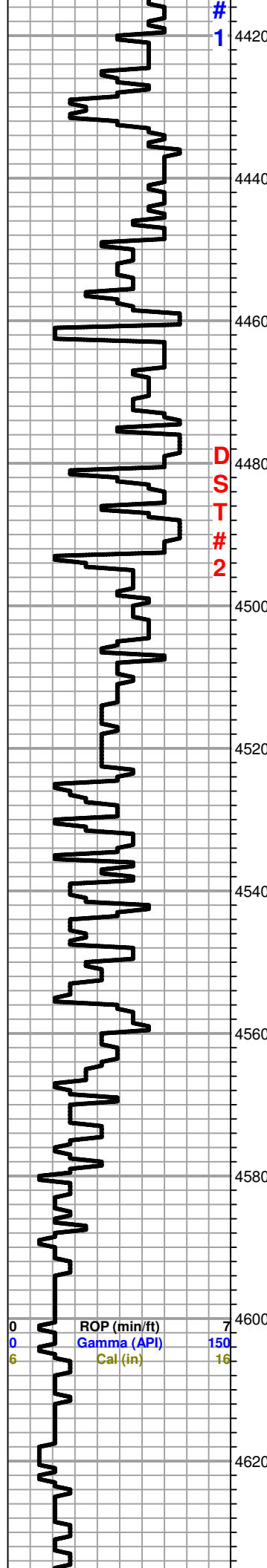
Black carb shale

**Pawnee 4370 (-1827)**

LS, gray, tan, white, mottled, FXL, foss, in parts, chalky, trace shale, red, gray

LS, A/A





Black Carb Sh.

**Ft. Scott 4432 (-1889)**

LS, tan, FXL, foss, poor visible porosity, poor scattered porosity, Light brown stain, SFO, faint odor

**Cherokee 4456 (-1913)**

LS, tan, brown, FXL, dense, slightly cherty, no shows,

Sh. black carb, gray, silty in parts

Chert, white, opaque, brown, trc black stain, NSFO, no odor, trace clear sand, F-Med grain, well sorted, trace black stain, no show

**W. Miss 4523 (-1980)**

Dol, white, tan, F-MXL, sucrosic, trace black stain, trace SFO, odor???

**Miss 4534 (-1991)**

Dol, tan, MXL, fair vuggy porosity, SFO, golden brown stain, good odor,

Dol, white to tan, MXL, poor INXLN porosity, dense, trace SFO, faint odor

Dol, white to tan, FXL dense, poor INXLN porosity, no shows

Dol, A/A

0	ROP (min/ft)	7
0	Gamma (API)	150
6	Cal (in)	16

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100

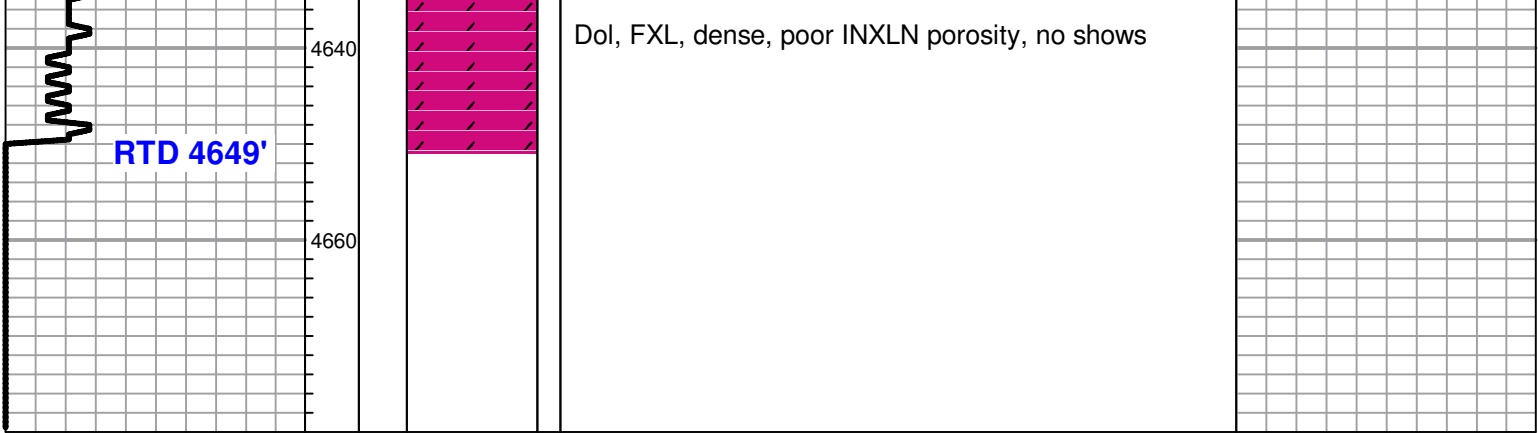
4640

4660

RTD 4649'



Dol, FXL, dense, poor INXLN porosity, no shows





## DRILL STEM TEST REPORT

Prepared For: **Blue Ridge Petroleum**

PO. Box 1913  
Enid OK 7302

ATTN: Wyatt Urban

### **Tammany #3-29**

#### **29 19s 25w Ness KS**

Start Date: 2013.12.09 @ 06:19:00

End Date: 2013.12.09 @ 13:31:30

Job Ticket #: 55931                      DST #: 1

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

Printed: 2013.12.13 @ 13:23:12



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Blue Ridge Petroleum

**29 19s 25w Ness KS**

PO. Box 1913  
Enid OK 7302

**Tammany #3-29**

Job Ticket: 55931

**DST#: 1**

ATTN: Wyatt Urban

Test Start: 2013.12.09 @ 06:19:00

## GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:16:00

Time Test Ended: 13:31:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: **4406.00 ft (KB) To 4480.00 ft (KB) (TVD)**

Reference Elevations: 2534.00 ft (KB)

Total Depth: 4480.00 ft (KB) (TVD)

2525.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8673** Inside

Press@RunDepth: 46.34 psig @ 4407.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.09 End Date: 2013.12.09

Last Calib.: 2013.12.09

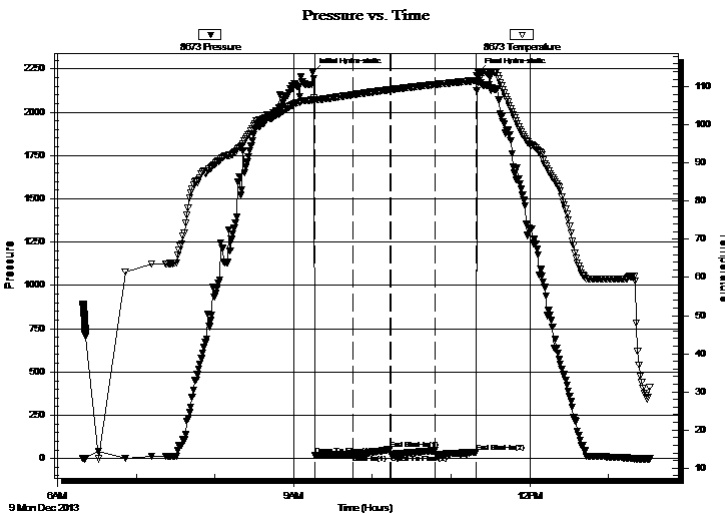
Start Time: 06:19:01 End Time: 13:31:30

Time On Btm: 2013.12.09 @ 09:14:30

Time Off Btm: 2013.12.09 @ 11:21:00

**TEST COMMENT:** IF: Weak surface blow, Died in 13 mins.  
IS: No blow back over 30 mins.  
FF: No blow over 30 mins.  
FS: No blow back over 30 mins.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2230.01	106.59	Initial Hydro-static
2	20.21	106.36	Open To Flow (1)
31	21.61	107.91	Shut-In(1)
59	52.55	109.25	End Shut-In(1)
60	22.63	109.25	Open To Flow (2)
93	46.34	110.59	Shut-In(2)
125	37.05	111.66	End Shut-In(2)
127	2229.97	112.80	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil specs	0.07

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Blue Ridge Petroleum

**29 19s 25w Ness KS**

PO. Box 1913  
Enid OK 7302

**Tammany #3-29**

Job Ticket: 55931

**DST#: 1**

ATTN: Wyatt Urban

Test Start: 2013.12.09 @ 06:19:00

## Tool Information

Drill Pipe:	Length: 4393.00 ft	Diameter: 3.80 inches	Volume: 61.62 bbl	Tool Weight: 2600.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 61.62 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4406.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	102.00 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			4383.00	
Hydraulic tool	5.00			4388.00	
Jars	5.00			4393.00	
Safety Joint	3.00			4396.00	
Packer	5.00			4401.00	28.00 Bottom Of Top Packer
Packer	5.00			4406.00	
Stubb	1.00			4407.00	
Recorder	0.00	8673	Inside	4407.00	
Recorder	0.00	8651	Outside	4407.00	
Perforations	4.00			4411.00	
change Over Sub	1.00			4412.00	
Drill Pipe	64.00			4476.00	
Change Over Sub	1.00			4477.00	
Bullnose	3.00			4480.00	74.00 Bottom Packers & Anchor

**Total Tool Length: 102.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Blue Ridge Petroleum

**29 19s 25w Ness KS**

PO. Box 1913  
Enid OK 7302

**Tammany #3-29**

Job Ticket: 55931

**DST#: 1**

ATTN: Wyatt Urban

Test Start: 2013.12.09 @ 06:19:00

### 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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w ith oil specs	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

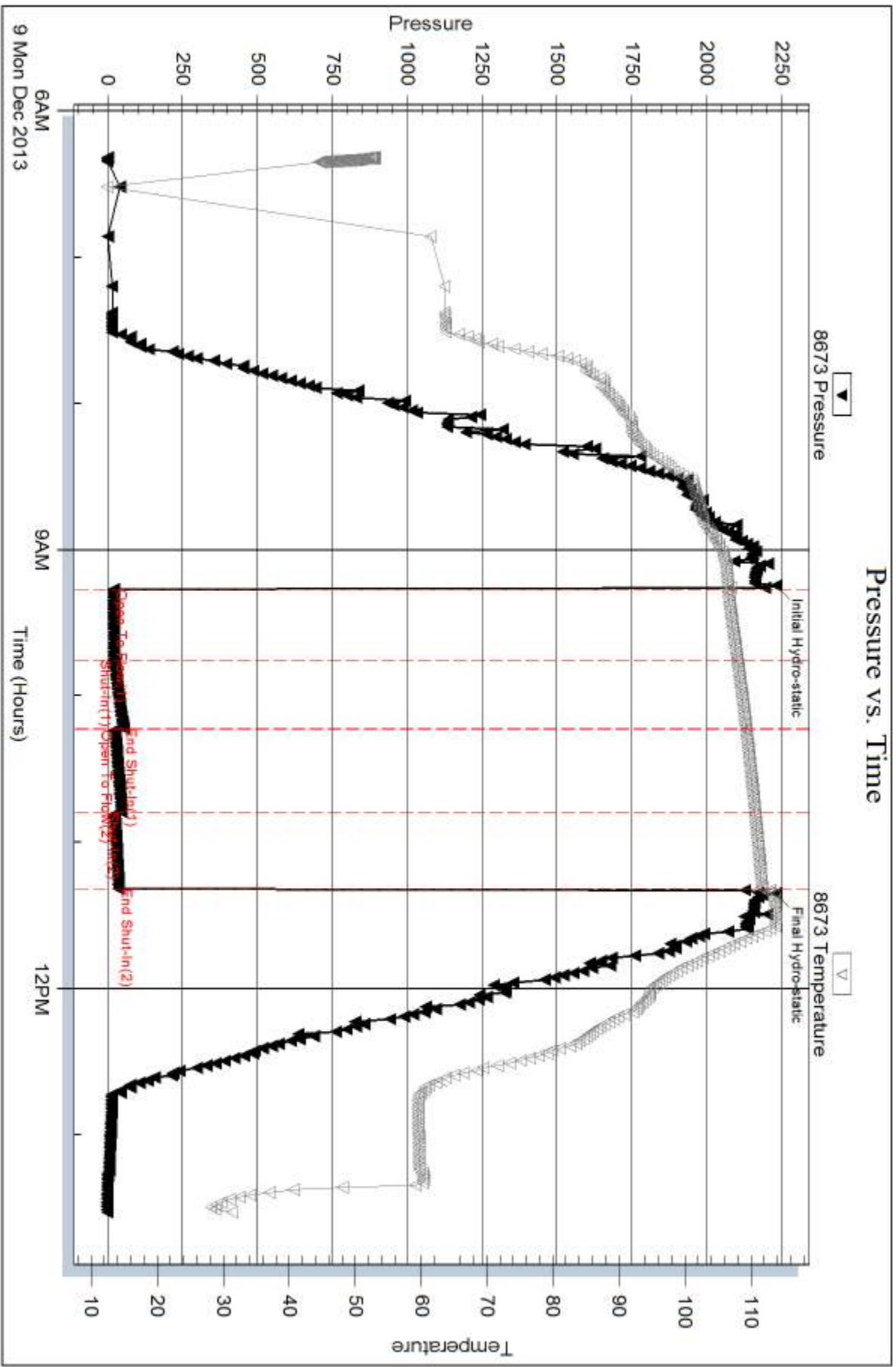
Serial #: 8673

Inside

Blue Ridge Petroleum

Tammany #3-29

DST Test Number: 1

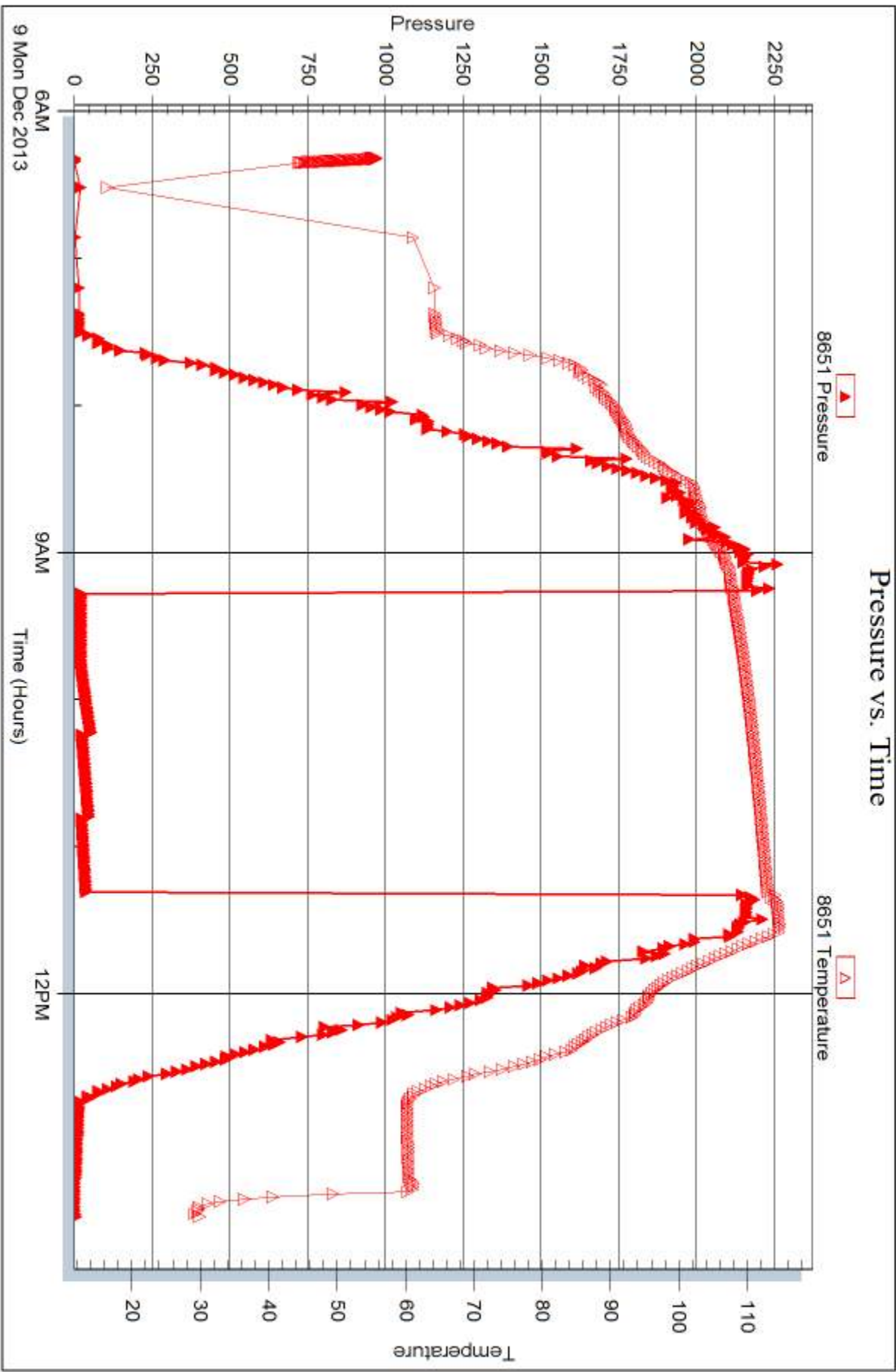


Serial #: 8651

Outside Blue Ridge Petroleum

Tammany #3-29

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Blue Ridge Petroleum**

PO. Box 1913  
Enid OK 7302

ATTN: Wyatt Urban

### **Tammany #3-29**

#### **29 19s 25w Ness KS**

Start Date: 2013.12.10 @ 00:45:00

End Date: 2013.12.10 @ 08:35:30

Job Ticket #: 55932                      DST #: 2

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

Printed: 2013.12.13 @ 13:22:33



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Blue Ridge Petroleum

**29 19s 25w Ness KS**

PO. Box 1913  
Enid OK 7302

**Tammany #3-29**

Job Ticket: 55932

**DST#: 2**

ATTN: Wyatt Urban

Test Start: 2013.12.10 @ 00:45:00

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:56:30

Time Test Ended: 08:35:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

**Interval: 4478.00 ft (KB) To 4544.00 ft (KB) (TVD)**

Reference Elevations: 2534.00 ft (KB)

Total Depth: 4544.00 ft (KB) (TVD)

2525.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8673**

**Inside**

Press@RunDepth: 1116.48 psig @ 4479.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.10

End Date: 2013.12.10

Last Calib.: 2013.12.10

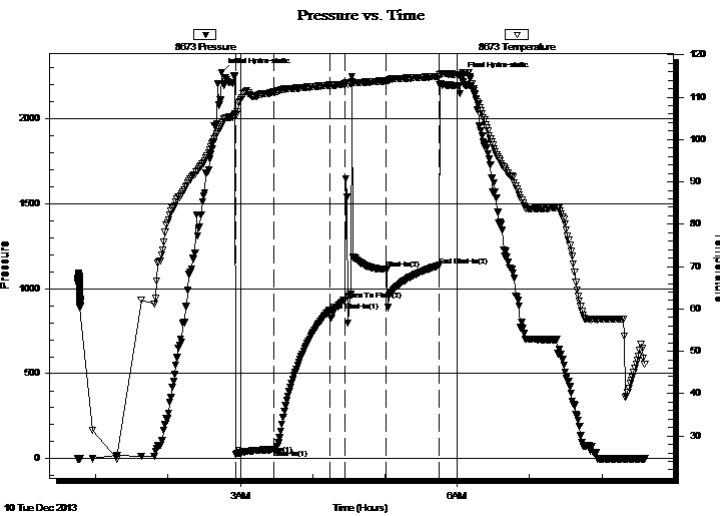
Start Time: 00:45:01

End Time: 08:35:30

Time On Btm: 2013.12.10 @ 02:44:30

Time Off Btm: 2013.12.10 @ 06:03:00

**TEST COMMENT:** IF: Fair blow, Built to B.O.B in 20 mins.  
IS: No blow back  
FF: No blow over 15 mins. Flushed tool w weak blow for 3 sec.  
FS: No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2271.98	103.37	Initial Hydro-static
12	26.35	105.76	Open To Flow (1)
44	54.26	111.21	Shut-In(1)
90	868.55	112.85	End Shut-In(1)
102	934.24	113.08	Open To Flow (2)
137	1116.48	113.88	Shut-In(2)
181	1135.95	114.93	End Shut-In(2)
199	2247.61	115.35	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	socm-20%o80%m	0.84
30.00	Hocm-30%m70%o	0.42

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Blue Ridge Petroleum

**29 19s 25w Ness KS**

PO. Box 1913  
Enid OK 7302

**Tammany #3-29**

Job Ticket: 55932

**DST#: 2**

ATTN: Wyatt Urban

Test Start: 2013.12.10 @ 00:45:00

## Tool Information

Drill Pipe:	Length: 4456.00 ft	Diameter: 3.80 inches	Volume: 62.51 bbl	Tool Weight: 2600.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 62.51 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4478.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	94.00 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			4455.00	
Hydraulic tool	5.00			4460.00	
Jars	5.00			4465.00	
Safety Joint	3.00			4468.00	
Packer	5.00			4473.00	28.00 Bottom Of Top Packer
Packer	5.00			4478.00	
Stubb	1.00			4479.00	
Recorder	0.00	8673	Inside	4479.00	
Recorder	0.00	8651	Outside	4479.00	
Perforations	29.00			4508.00	
change Over Sub	1.00			4509.00	
Drill Pipe	31.00			4540.00	
Change Over Sub	1.00			4541.00	
Bullnose	3.00			4544.00	66.00 Bottom Packers & Anchor

**Total Tool Length: 94.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Blue Ridge Petroleum

**29 19s 25w Ness KS**

PO. Box 1913  
Enid OK 7302

**Tammany #3-29**

Job Ticket: 55932

**DST#: 2**

ATTN: Wyatt Urban

Test Start: 2013.12.10 @ 00:45:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 48.00 sec/qt  
Water Loss: 7.99 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4700.00 ppm  
Filter Cake: 2.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	socm-20%o80%m	0.842
30.00	Hocm-30%m70%o	0.421

Total Length: 90.00 ft      Total Volume: 1.263 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

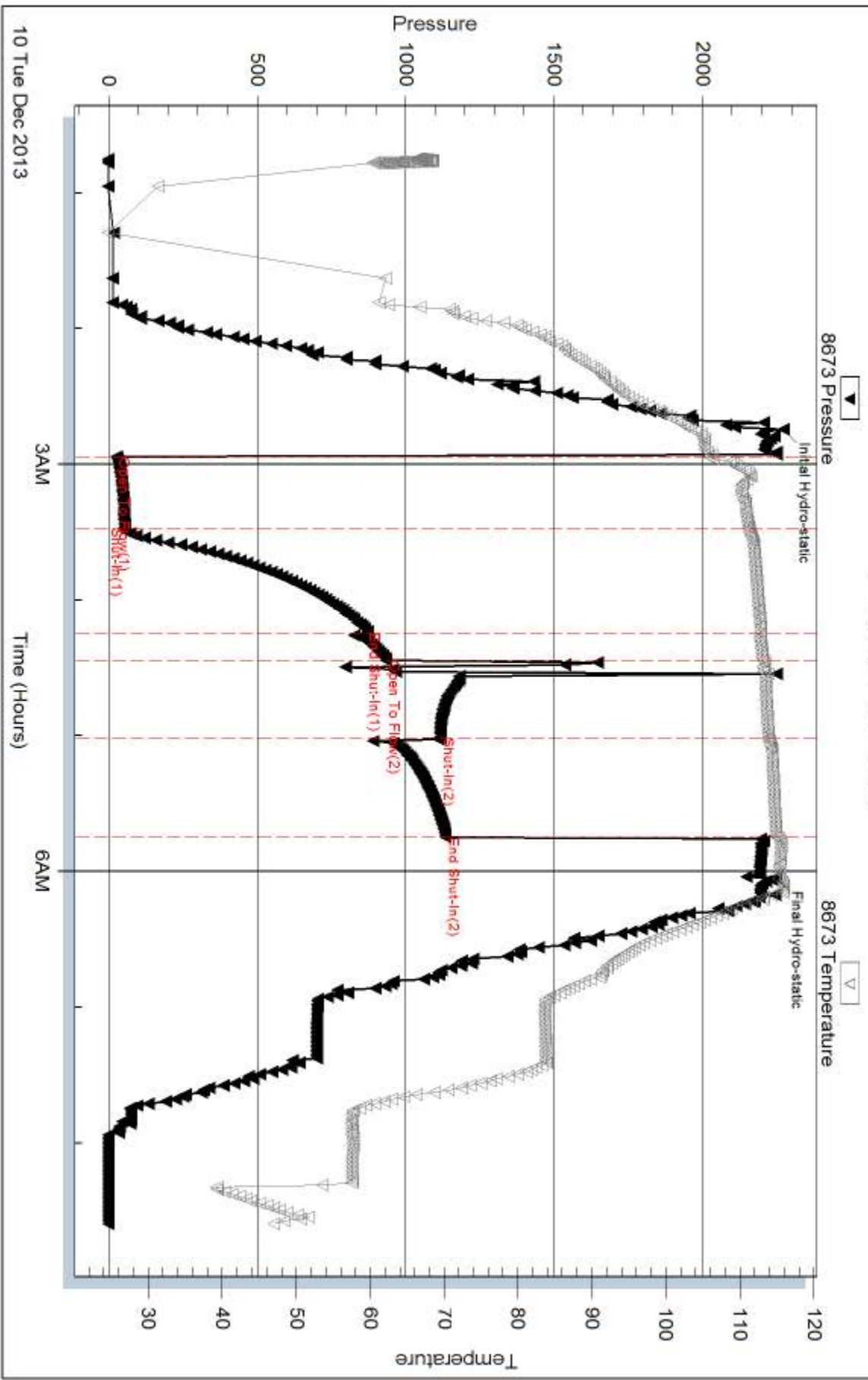
Laboratory Name:

Laboratory Location:

Recovery Comments:



### Pressure vs. Time

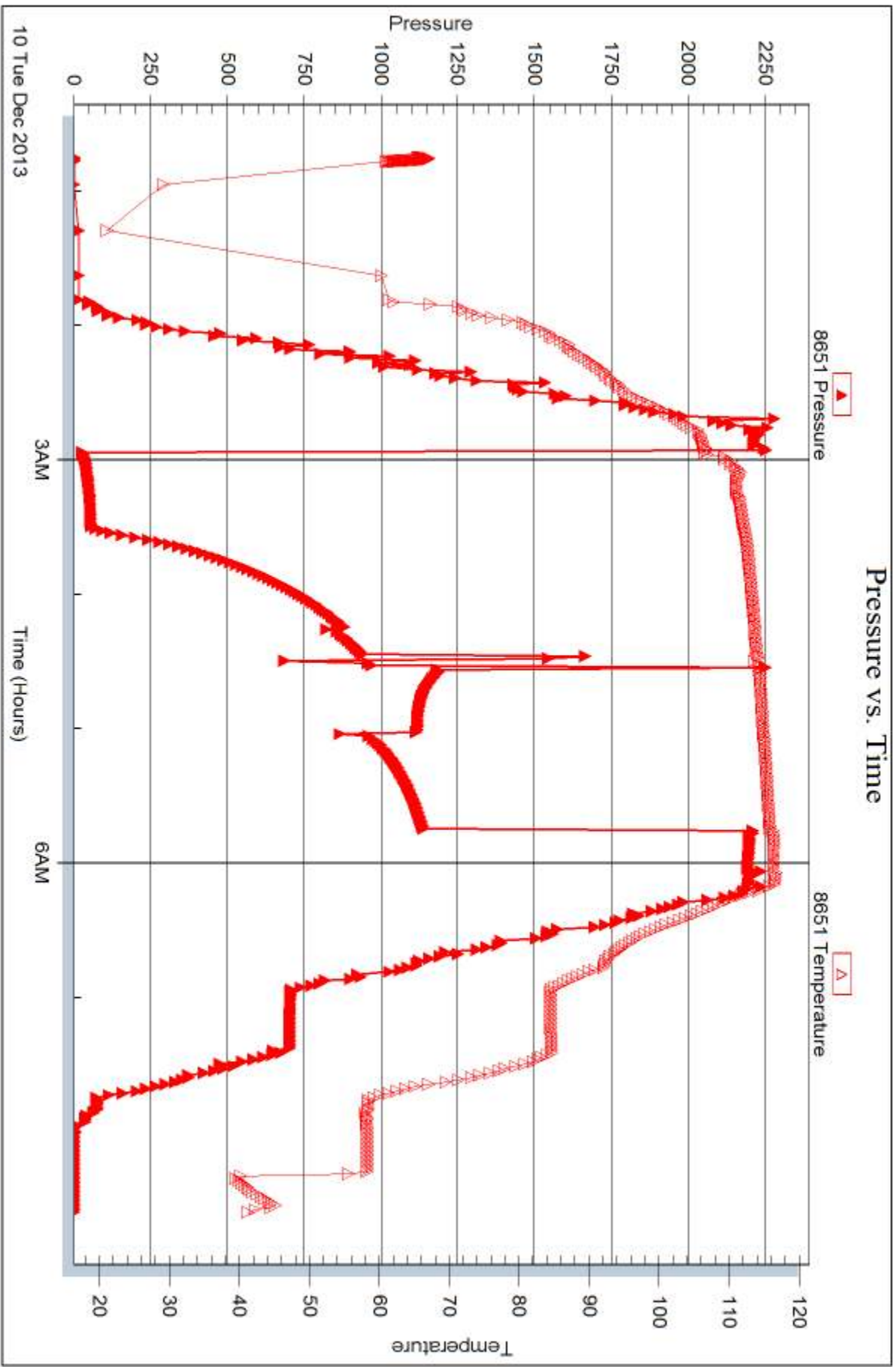


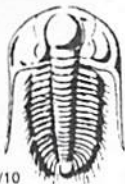
Serial #: 8651

Outside Blue Ridge Petroleum

Tammany #3-29

DST Test Number: 2





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 55931

Well Name & No. Tamm~~er~~ 3-29 Test No. 1 Date 12-09-13  
 Company Blue Ridge Petro Elevation 2534 KB 2524 GL  
 Address P.O. Box 1913 Enid OK 7302  
 Co. Rep / Geo. WYatt Rig Southwind #8  
 Location: Sec. 29 Twp. 19S Rge. 25W Co. NECS State Ks

Interval Tested 4406 4480 Zone Tested Fort. Scott  
 Anchor Length 74 Drill Pipe Run 4493 Mud Wt. 9.25  
 Top Packer Depth 4401 Drill Collars Run -0- Vis 51  
 Bottom Packer Depth 4406 Wt. Pipe Run -0- WL 2.6  
 Total Depth 4480 Chlorides 3,400 ppm System LCM 1#

Blow Description IF: Weak surface blow, Dead in 13mins.  
ISF: No blow back over 30mins.  
FF: No blow over  
FSI: No blow back over 30mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>Mud &amp; Sil spec</u>				

Rec Total 5 BHT 110 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2230  Test 1250 T-On Location 4:40  
 (B) First Initial Flow 20  Jars 250 T-Started 6:18  
 (C) First Final Flow 22  Safety Joint 75 T-Open 9:16  
 (D) Initial Shut-In 53  Circ Sub \_\_\_\_\_ T-Pulled 11:15  
 (E) Second Initial Flow 23  Hourly Standby \_\_\_\_\_ T-Out 13:31  
 (F) Second Final Flow 46  Mileage 137.5x2 = 275.00x1.55 Comments started in Ness city  
 (G) Final Shut-In 37  Sampler 114rt 176.70  
 (H) Final Hydrostatic 2230  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

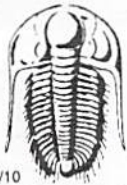
Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 30

Sub Total 1751.70

Approved By \_\_\_\_\_ Our Representative Chuck Ryan

TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **55932**

Well Name & No. Tammy 3-29 Test No. 2 Date 2-10-13  
 Company Blue Ridge Petro Elevation 2534 KB 2524 GL  
 Address P.O. Box 1913 Enid O.K. 7302  
 Co. Rep / Geo. Wyatt Urban Rig Southwind #8  
 Location: Sec. 29 Twp. 19S Rge. 25W Co. Ness State Ks

Interval Tested 4428 4544 Zone Tested MISS  
 Anchor Length 66 Drill Pipe Run 4456 Mud Wt. 9.4  
 Top Packer Depth 4473 Drill Collars Run 0 Vis 48  
 Bottom Packer Depth 4478 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4544 Chlorides 4706 ppm System LCM 1#

Blow Description IF: Fair Blow 8.0.B in 20 mins  
ISF: No blow back over 45 mins.  
FF: No blow over 15 mins Flushed tool. Weak blow Dead in 30 secs.  
FSI: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
30	40cm		70		30
60	850cm		20		80

Rec Total 90 BHT 114 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic <u>2272</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>12-9-13</u> <u>22:50</u>
(B) First Initial Flow <u>26</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>12-10-13</u> <u>00:45</u>
(C) First Final Flow <u>54</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open _____ <u>2:58</u>
(D) Initial Shut-In <u>869</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled _____ <u>6:00</u>
(E) Second Initial Flow <u>934</u>	<input type="checkbox"/> Hourly Standby _____	T-Out _____ <u>8:35</u>
(F) Second Final Flow <u>1116</u>	<input checked="" type="checkbox"/> Mileage <u>137.5 x 2 = 275 x 1.55</u> <u>353.40</u>	Comments <u>Local tools on 12-10</u>
(G) Final Shut-In <u>1136</u>	<input type="checkbox"/> Sampler _____	<u>at 2:30pm</u>
(H) Final Hydrostatic <u>2248</u>	<input type="checkbox"/> Straddle _____	<u>Stayed in Ness at 7</u>
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1928.40</u>
	Sub Total <u>1928.40</u>	MP/DST Disc't _____

Approved By \_\_\_\_\_ Our Representative Chuck [Signature]

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



264558

TICKET NUMBER 44574  
 LOCATION Ogklayks  
 FOREMAN Jerry Y Watt

PO Box 884, Chanute, KS 66720  
 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-2-13	11617	Tammany 3-29	29	19S	25W	Ness
CUSTOMER <u>Blue Ridge</u>			K5			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			529-T118	Dane R		
STATE			529-T129	Jerry Y		
ZIP CODE			assist	Lance R		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 626 CASING SIZE & WEIGHT 8 5/8 24#  
 CASING DEPTH 626 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.8 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 38 1/2 bbl DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting & rig up on Southwind #8 break circulation with rig tree  
hook up to pump truck mix 375 sks com class A 43% calcium chloride 2% gel, shut  
down release plug wash up & displace 4 38 1/2 bbl fresh water & set in  
circulated 58 bbl top

Cement did circulate

Thank you  
Jerry & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00
5406	20	MILEAGE	52.5	1050.00
5407A	17.6	ton mileage delivery	1.75	616.00
11045	375 sks	com class A cement	18.55	6956.25
1102	1058 #	calcium chloride	.94	994.52
1118b	705 #	barite gel	.27	190.35
		Subtotal		10012.12
		less 10% disc.		-1001.21
		Subtotal		9010.91
		SALES TAX	6.15	450.61
		ESTIMATED TOTAL		9461.52

**SCANNED**

AVIN 3737  
 AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

JOB LOG

SWIFT Services, Inc.

DATE 11 Dec 13 PAGE NO.

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Blue Ridge		3-29		Tammang		Cement long string		25763	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
									175 sk EA-2 cement w/ 1/4" floccle
									5 1/2" x 15.5" casing TD=4649
									Shoe pt - 42' port collar # 67 18.21'
									Cont 1, 2, 3, 4, 5, 6, 8 Port 66, 65
									2 joints out
	0815								on loc TRK 114
	0950								start 5 1/2" 15.5" casing in well
	1210								Drop ball - circulate
	1315	4 1/2	12				200		Pump 500 gal mud flush
		4 1/2	20				200		Pump 20 bbl KCL flush
	1325		7						Plug RH - MH <del>30 sks</del> - <del>20 sks</del>
	1330	4 1/2	35				200		mix EA-2 cement <del>125 sk</del> @ 15.3 ppg
									Drop latch down plug
									wash out pump 1/2 line
	1355	6 1/2					200		Displace plug
		6 1/2	100				600		
	1415	6 1/2	110				1500		Land plug
									Release pressure to truck - dried up
	1419								wash truck
									Rock up
	1445								job complete
									Flint, Blair, & Rob

JOB LOG

SWIFT Services, Inc.

DATE 19 DEC 13 PAGE NO.

CUSTOMER BLUE RIDGE PETROLEUM

WELL NO.

LEASE

1 AMMAN 43-291 CEMENT PORT COLLAR

JOB TYPE

TICKET NO. 25913

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							ON LOCATION
								PORT COLLAR @ 1821
	0941				✓		1000	TEST - HELD
	0943							OPEN PORT COLLAR
	0947	4	77½	✓			300	MIX 140s x SMD
		3	9½	✓			200	DISPLACE CEMENT
								CIRCULATE 20s x TO PIT
	1009				✓		1000	CLOSE PORT COLLAR - TEST - HELD
								RUN 4 JTS.
	1019	4	23		✓		300	REVERSE CLEAN
	1030							WASH TRUCK
	1100							JOB COMPLETE
								THANKS #115
								JASON DAVE JUAN JARED