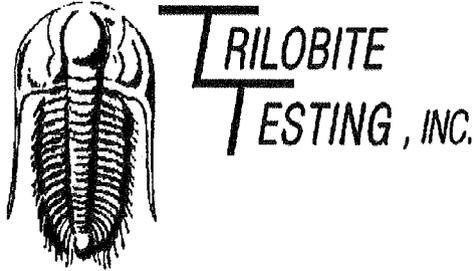


15-167-23627

15-15s-15w

*End*



### DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**15-15s15w Russell KS**

**Dietz # 1-15**

Start Date: 2010.04.18 @ 17:50:02

End Date: 2010.04.19 @ 00:34:32

Job Ticket #: 36860                      DST #: 1

**KCC**  
**JUL 07 2010**  
**CONFIDENTIAL**

**RECEIVED**  
**JUL 12 2010**  
**KCC WICHITA**

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

**ORIGINAL**

Abercrombie Energy, LLC

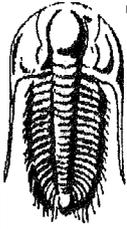
Dietz # 1-15

15-15s15w Russell KS

DST # 1

Lansing/K.C.'A'

2010.04.18



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 36860

**DST#: 1**

ATTN: Jeff Christian

Test Start: 2010.04.18 @ 17:50:02

## GENERAL INFORMATION:

Formation: **Lansing/KC. 'A'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:36:02

Time Test Ended: 00:34:32

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: **3031.00 ft (KB) To 3076.00 ft (KB) (TVD)**

Reference Elevations: 1836.00 ft (KB)

Total Depth: 3076.00 ft (KB) (TVD)

1826.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

## Serial #: 6798

Inside

Press@RunDepth: 74.69 psig @ 3038.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.04.18 End Date: 2010.04.19

Last Calib.: 2010.04.19

Start Time: 17:50:03 End Time: 00:34:32

Time On Btm: 2010.04.18 @ 19:34:32

Time Off Btm: 2010.04.18 @ 22:40:32

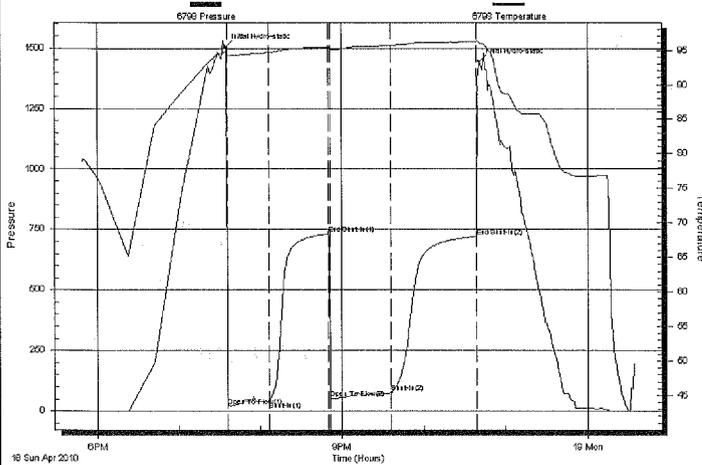
TEST COMMENT: IF: Weak blow . Built to 8".

IS: No blow .

FF: Weak blow . Built to 7 1/2".

FSI: No blow .

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1504.07	94.68	Initial Hydro-static
2	21.47	94.28	Open To Flow (1)
32	42.43	94.65	Shut-In(1)
76	732.15	95.41	End Shut-In(1)
78	50.77	95.15	Open To Flow (2)
122	74.69	95.65	Shut-In(2)
184	720.77	96.15	End Shut-In(2)
186	1443.23	96.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	O&WCM 8%o 12%w 80%m	1.74

## Gas Rates

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

ORIGINAL



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 36860

**DST#: 1**

ATTN: Jeff Christian

Test Start: 2010.04.18 @ 17:50:02

### Tool Information

Drill Pipe:	Length: 3015.00 ft	Diameter: 3.80 inches	Volume: 42.29 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 42.29 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3031.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	65.00 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			3016.00	
Hydraulic tool	5.00			3021.00	
Packer	5.00			3026.00	20.00 Bottom Of Top Packer
Packer	5.00			3031.00	
Stubb	1.00			3032.00	
Perforations	5.00			3037.00	
Change Over Sub	1.00			3038.00	
Recorder	0.00	6798	Inside	3038.00	
Recorder	0.00	8367	Outside	3038.00	
Blank Spacing	30.00			3068.00	
Change Over Sub	1.00			3069.00	
Perforations	4.00			3073.00	
Bullnose	3.00			3076.00	45.00 Bottom Packers & Anchor

**Total Tool Length: 65.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 36860

**DST#: 1**

ATTN: Jeff Christian

Test Start: 2010.04.18 @ 17:50:02

### 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:	65.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.11 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5100.00 ppm				
Filter Cake:	0.21 inches				

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	O&WCM 8%o 12%w 80%m	1.739

Total Length: 124.00ft      Total Volume: 1.739 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

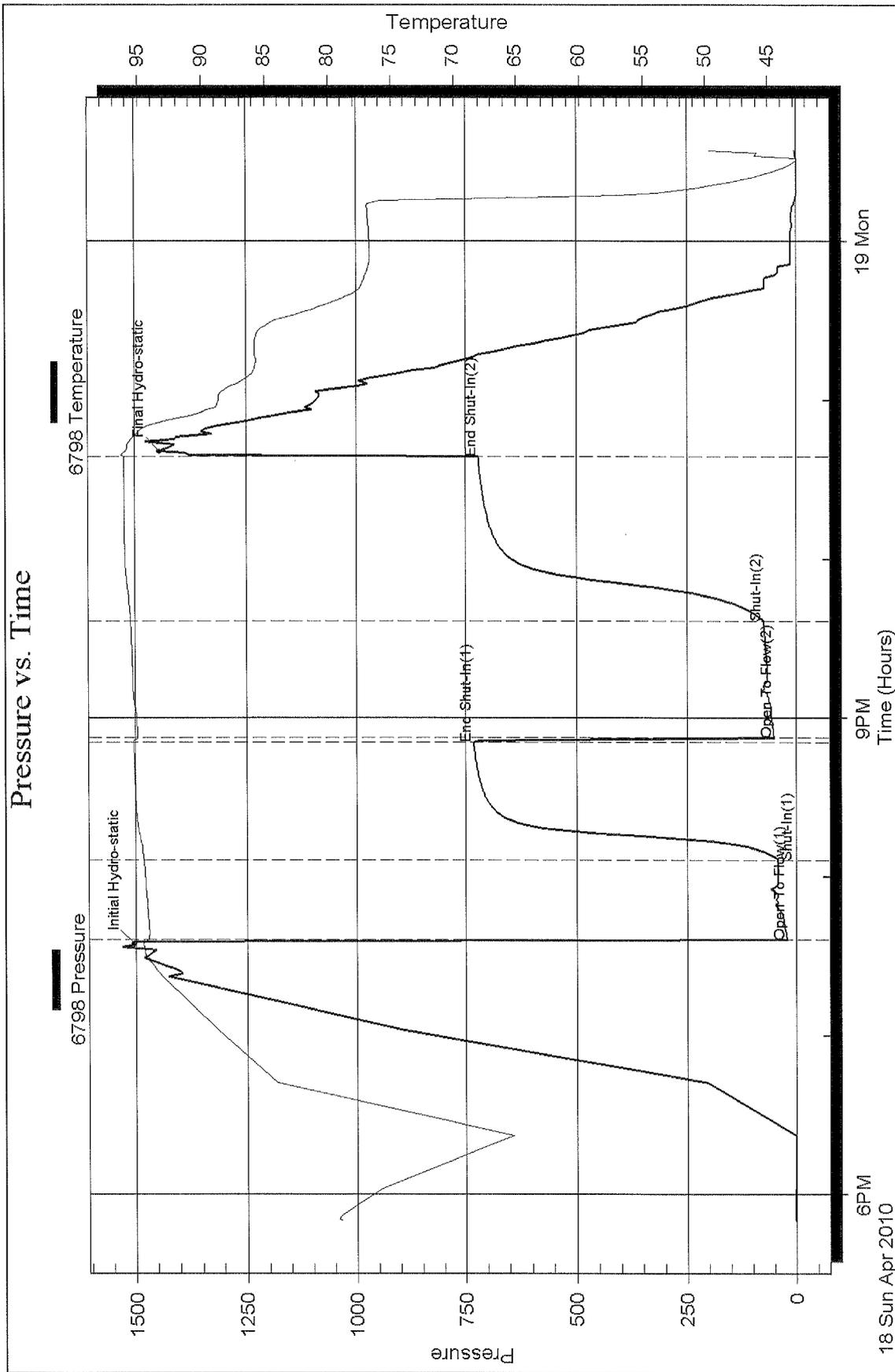
Serial #: none

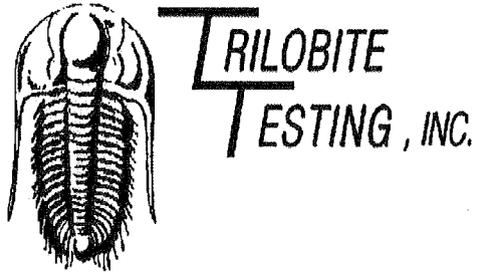
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**15-15s15w Russell KS**

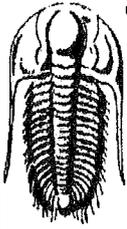
**Dietz # 1-15**

Start Date: 2010.04.19 @ 06:57:38

End Date: 2010.04.19 @ 13:44:08

Job Ticket #: 36861                      DST #: 2

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**Dietz # 1-15**

**15-15s15w Russell KS**

Job Ticket: 36861

**DST#: 2**

Test Start: 2010.04.19 @ 06:57:38

## GENERAL INFORMATION:

Formation: **Lansing/K.C. ' B'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:45:08

Time Test Ended: 13:44:08

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

**Interval: 3076.00 ft (KB) To 3094.00 ft (KB) (TVD)**

Total Depth: 3094.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1836.00 ft (KB)

1826.00 ft (CF)

KB to GR/CF: 10.00 ft

## Serial #: 6798

Inside

Press@RunDepth: 196.49 psig @ 3077.00 ft (KB)

Start Date: 2010.04.19

End Date:

2010.04.19

Start Time: 06:57:39

End Time:

13:44:08

Capacity: 8000.00 psig

Last Calib.: 2010.04.19

Time On Btmr: 2010.04.19 @ 08:43:08

Time Off Btmr: 2010.04.19 @ 11:47:38

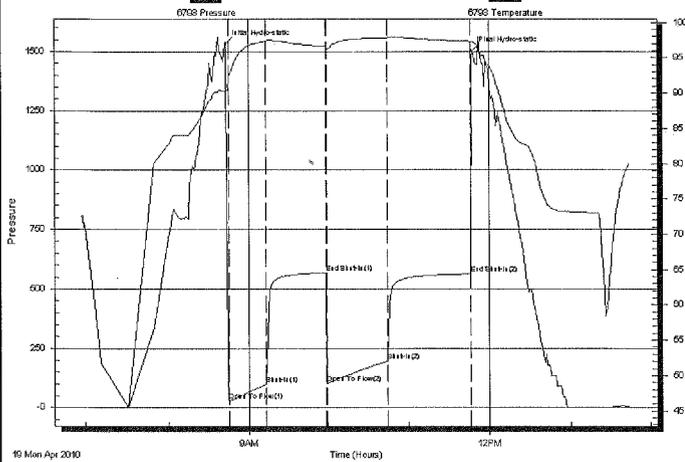
TEST COMMENT: IF: Fair blow . B.O.B. in 8 mins.

ISI: Weak blow . Built to 1 1/4".

FF: Weak blow . B.O.B. in 14 mins.

FSI: Weak blow . Built to 1/2".

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1532.45	90.37	Initial Hydro-static
2	29.11	92.25	Open To Flow (1)
31	99.67	97.31	Shut-In(1)
75	569.12	96.61	End Shut-In(1)
76	102.23	96.30	Open To Flow (2)
121	196.49	97.82	Shut-In(2)
183	563.41	97.30	End Shut-In(2)
185	1502.13	97.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
12.00	SGM&WCO 5%g 65%o 20%w 10%rn	0.17
124.00	WCMw/oil scum 30%w 70%m	1.74
248.00	SMCW 85%w 15%m	3.48
0.00	250' GIP	0.00
0.00	RW = .078 @ 90 deg.	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 36861

**DST#: 2**

ATTN: Jeff Christian

Test Start: 2010.04.19 @ 06:57:38

## Tool Information

Drill Pipe:	Length: 3077.00 ft	Diameter: 3.80 inches	Volume: 43.16 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 43.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3076.00 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			3061.00	
Hydraulic tool	5.00			3066.00	
Packer	5.00			3071.00	20.00 Bottom Of Top Packer
Packer	5.00			3076.00	
Stubb	1.00			3077.00	
Recorder	0.00	6798	Inside	3077.00	
Recorder	0.00	8367	Outside	3077.00	
Perforations	14.00			3091.00	
Bullnose	3.00			3094.00	18.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>38.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 36861

**DST#: 2**

ATTN: Jeff Christian

Test Start: 2010.04.19 @ 06:57:38

**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:

78000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.10 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 0.21 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
12.00	SGM&WCO 5%g 65%o 20%w 10%m	0.168
124.00	WCMw/oil scum 30%w 70%m	1.739
248.00	SMCW 85%w 15%m	3.479
0.00	250' GIP	0.000
0.00	R/V = .078 @ 90 deg.	0.000

Total Length: 384.00 ft      Total Volume: 5.386 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

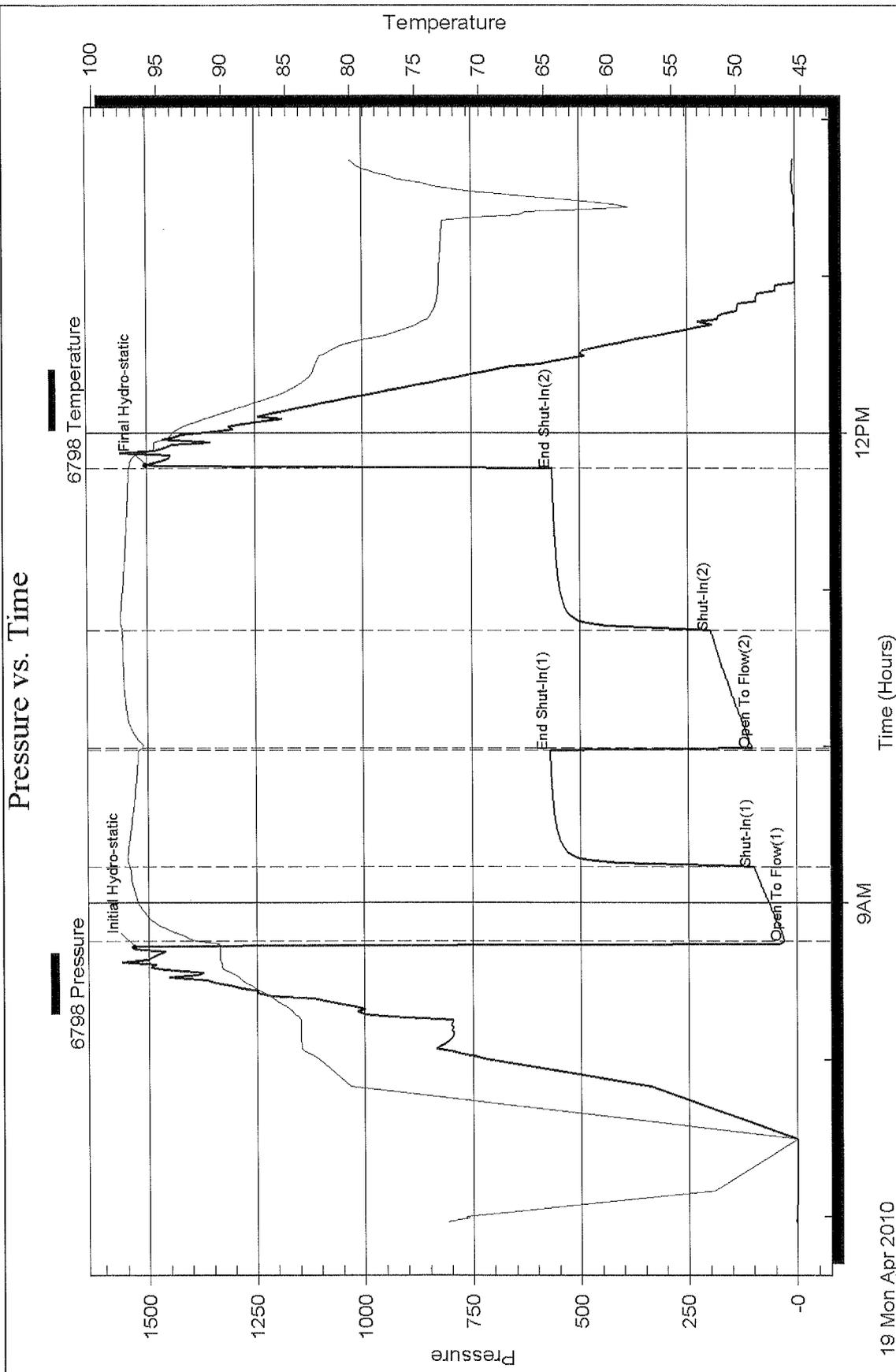
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**15-15s15w Russell KS**

**Dietz # 1-15**

Start Date: 2010.04.19 @ 20:15:49

End Date: 2010.04.20 @ 02:44:49

Job Ticket #: 36862                      DST #: 3

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**Dietz # 1-15**

**15-15s15w Russell KS**

Job Ticket: 36862

**DST#: 3**

Test Start: 2010.04.19 @ 20:15:49

## GENERAL INFORMATION:

Formation: **Lansing/K.C. ' D'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:30:49

Time Test Ended: 02:44:49

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

**Interval: 3096.00 ft (KB) To 3116.00 ft (KB) (TVD)**

Total Depth: 3116.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1836.00 ft (KB)

1826.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6798**

**Inside**

Press@RunDepth: 73.24 psig @ 3097.00 ft (KB)

Start Date: 2010.04.19

End Date: 2010.04.20

Start Time: 20:15:50

End Time: 02:44:49

Capacity: 8000.00 psig

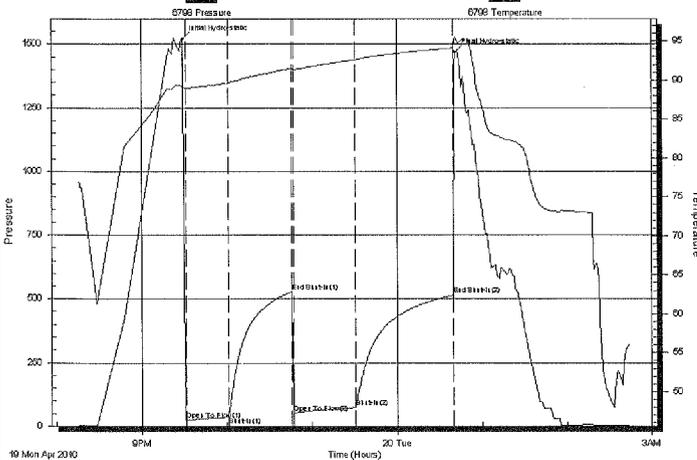
Last Calib.: 2010.04.20

Time On Btm: 2010.04.19 @ 21:29:19

Time Off Btm: 2010.04.20 @ 00:40:49

**TEST COMMENT:** IF: Strong blow . B.O.B. in 1 1/2 mins.  
IS: Weak blow . Built to 1 1/2", decreased to 1".  
FF: Fair blow . B.O.B. in 5 mins.  
FSI: Weak blow . Built to 4".

Pressure vs. Time



## PRESSURE SUMMARY

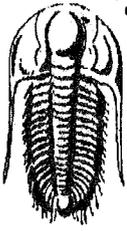
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1518.82	89.28	Initial Hydro-static
2	24.38	88.97	Open To Flow (1)
32	36.96	89.67	Shut-In(1)
77	529.03	91.52	End Shut-In(1)
78	50.83	91.31	Open To Flow (2)
122	73.24	92.60	Shut-In(2)
191	515.68	94.14	End Shut-In(2)
192	1468.71	95.55	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
41.00	SG&MCO 5%g 70%o 25%im	0.58
124.00	SM&WCGsyO 35%g 45%o 15%w 5%r1.74	
0.00	1025' GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 36862

**DST#: 3**

ATTN: Jeff Christian

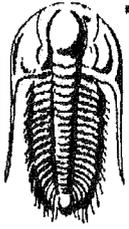
Test Start: 2010.04.19 @ 20:15:49

### Tool Information

Drill Pipe:	Length: 3108.00 ft	Diameter: 3.80 inches	Volume: 43.60 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
		Total Volume: 43.60 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3096.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 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			3081.00	
Hydraulic tool	5.00			3086.00	
Packer	5.00			3091.00	20.00 Bottom Of Top Packer
Packer	5.00			3096.00	
Stubb	1.00			3097.00	
Recorder	0.00	6798	Inside	3097.00	
Recorder	0.00	8367	Outside	3097.00	
Perforations	16.00			3113.00	
Bullnose	3.00			3116.00	20.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>40.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 36862

**DST#: 3**

ATTN: Jeff Christian

Test Start: 2010.04.19 @ 20:15:49

**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: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.09 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5800.00 ppm			
Filter Cake: 0.21 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
41.00	SG&MCO 5%g 70%o 25%m	0.575
124.00	SM&WCGsyO 35%g 45%o 15%w 5%m	1.739
0.00	1025' GIP	0.000

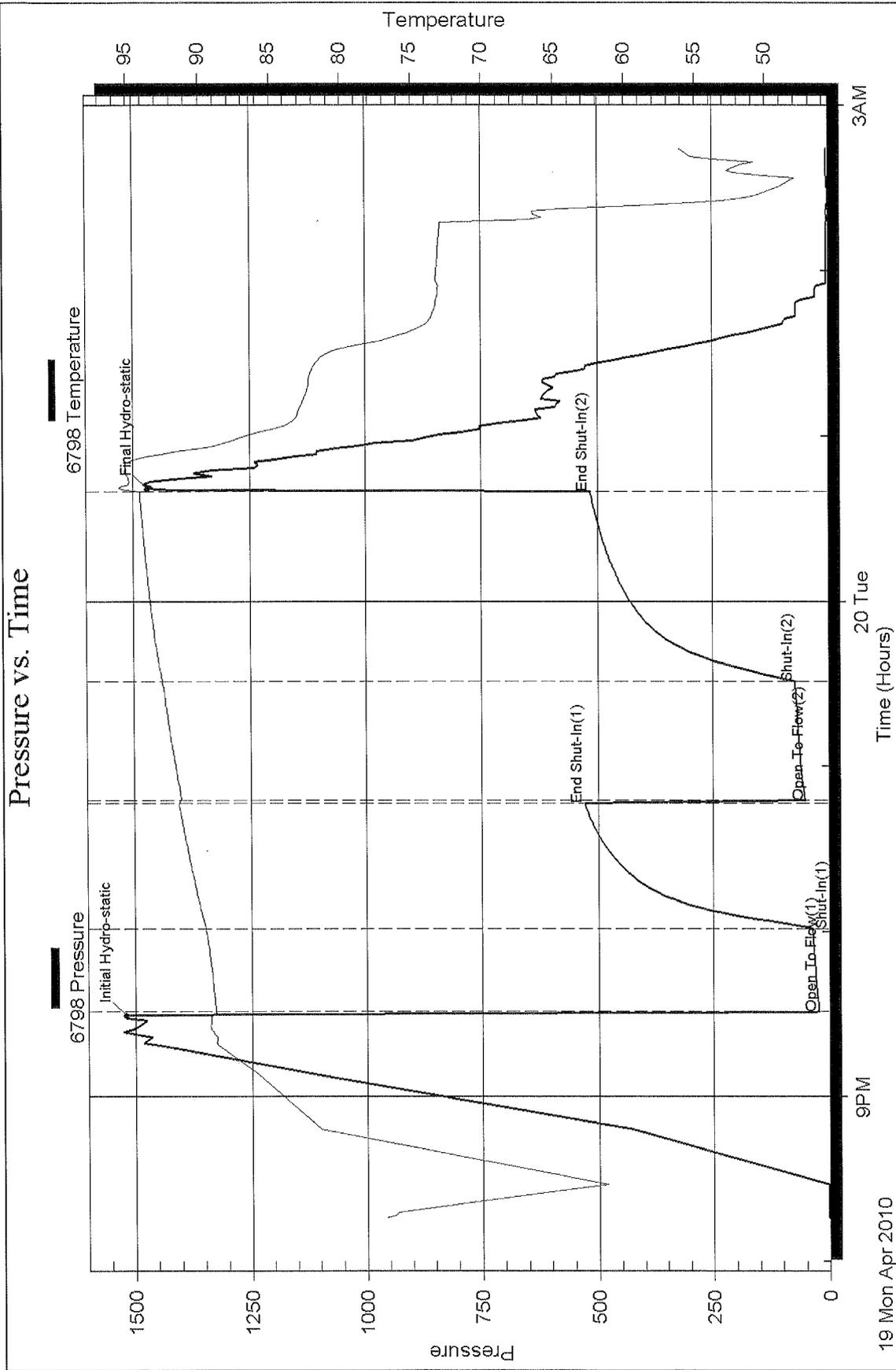
Total Length: 165.00 ft      Total Volume: 2.314 bbl

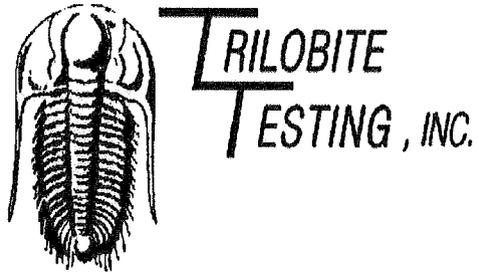
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**15-15s15w Russell KS**

**Dietz # 1-15**

Start Date: 2010.04.20 @ 10:13:50

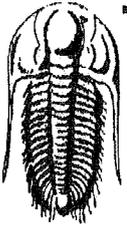
End Date: 2010.04.20 @ 16:46:20

Job Ticket #: 36863                      DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**Dietz # 1-15**

**15-15s15w Russell KS**

Job Ticket: 36863

**DST#: 4**

Test Start: 2010.04.20 @ 10:13:50

## GENERAL INFORMATION:

Formation: **Lansing/K.C. ' E-F'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:39:50

Time Test Ended: 16:46:20

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

**Interval: 3122.00 ft (KB) To 3151.00 ft (KB) (TVD)**

Total Depth: 3151.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1836.00 ft (KB)

1826.00 ft (CF)

KB to GR/CF: 10.00 ft

## Serial #: 6798

Inside

Press@RunDepth: 200.36 psig @ 3123.00 ft (KB)

Start Date: 2010.04.20

End Date:

2010.04.20

Start Time: 10:13:51

End Time:

16:46:20

Capacity: 8000.00 psig

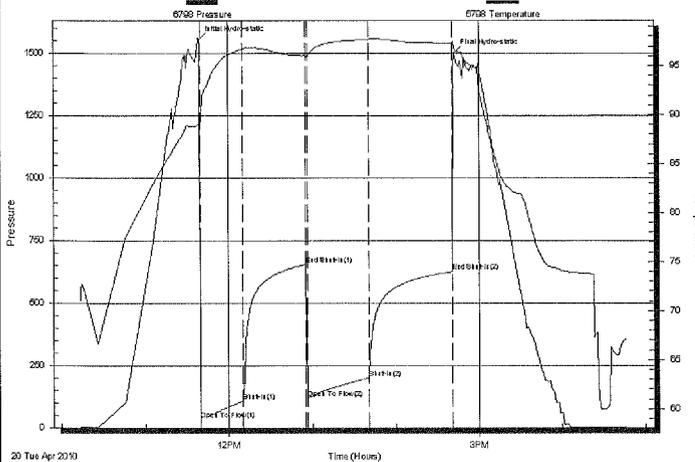
Last Calib.: 2010.04.20

Time On Btm: 2010.04.20 @ 11:38:50

Time Off Btm: 2010.04.20 @ 14:42:20

**TEST COMMENT:** IF: Strong blow . B.O.B. in 5 mins.  
IS: Fair blow . Built to 11".  
FF: Strong blow . B.O.B. in 7 1/2 mins.  
FSI: Fair blow . B.O.B. in 40 mins.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1553.76	88.99	Initial Hydro-static
1	33.20	88.62	Open To Flow (1)
32	107.14	96.71	Shut-In(1)
77	652.70	96.04	End Shut-In(1)
78	117.24	95.79	Open To Flow (2)
122	200.36	97.68	Shut-In(2)
182	624.48	97.22	End Shut-In(2)
184	1498.66	96.74	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	SGM&WCO 10%g 65%o 15%w 10% m	0.42
154.00	HG&MOilyW 35%g 20%o 20%w 25% m	2.16
218.00	SMCW 95%w 5% m	3.06
0.00	590' GIP	0.00
0.00	RW = .082 @ 94 deg.	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 36863

**DST#: 4**

ATTN: Jeff Christian

Test Start: 2010.04.20 @ 10:13:50

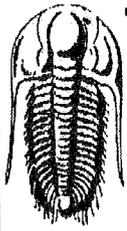
## Tool Information

Drill Pipe:	Length: 3107.00 ft	Diameter: 3.80 inches	Volume: 43.58 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: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
		<b>Total Volume:</b>	<b>43.58 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3122.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	49.00 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			3107.00	
Hydraulic tool	5.00			3112.00	
Packer	5.00			3117.00	20.00 Bottom Of Top Packer
Packer	5.00			3122.00	
Stubb	1.00			3123.00	
Recorder	0.00	6798	Inside	3123.00	
Recorder	0.00	8367	Outside	3123.00	
Perforations	25.00			3148.00	
Bullnose	3.00			3151.00	29.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>49.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 36863

**DST#: 4**

ATTN: Jeff Christian

Test Start: 2010.04.20 @ 10:13:50

**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:	70000 ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.55 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6900.00 ppm			
Filter Cake: 0.21 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
30.00	SGM&WCO 10%g 65%o 15%w 10%m	0.421
154.00	HG&MCOilyW 35%g 20%o 20%w 25%m	2.160
218.00	SMCW 95%w 5%m	3.058
0.00	590' GIP	0.000
0.00	RW = .082 @ 94 deg.	0.000

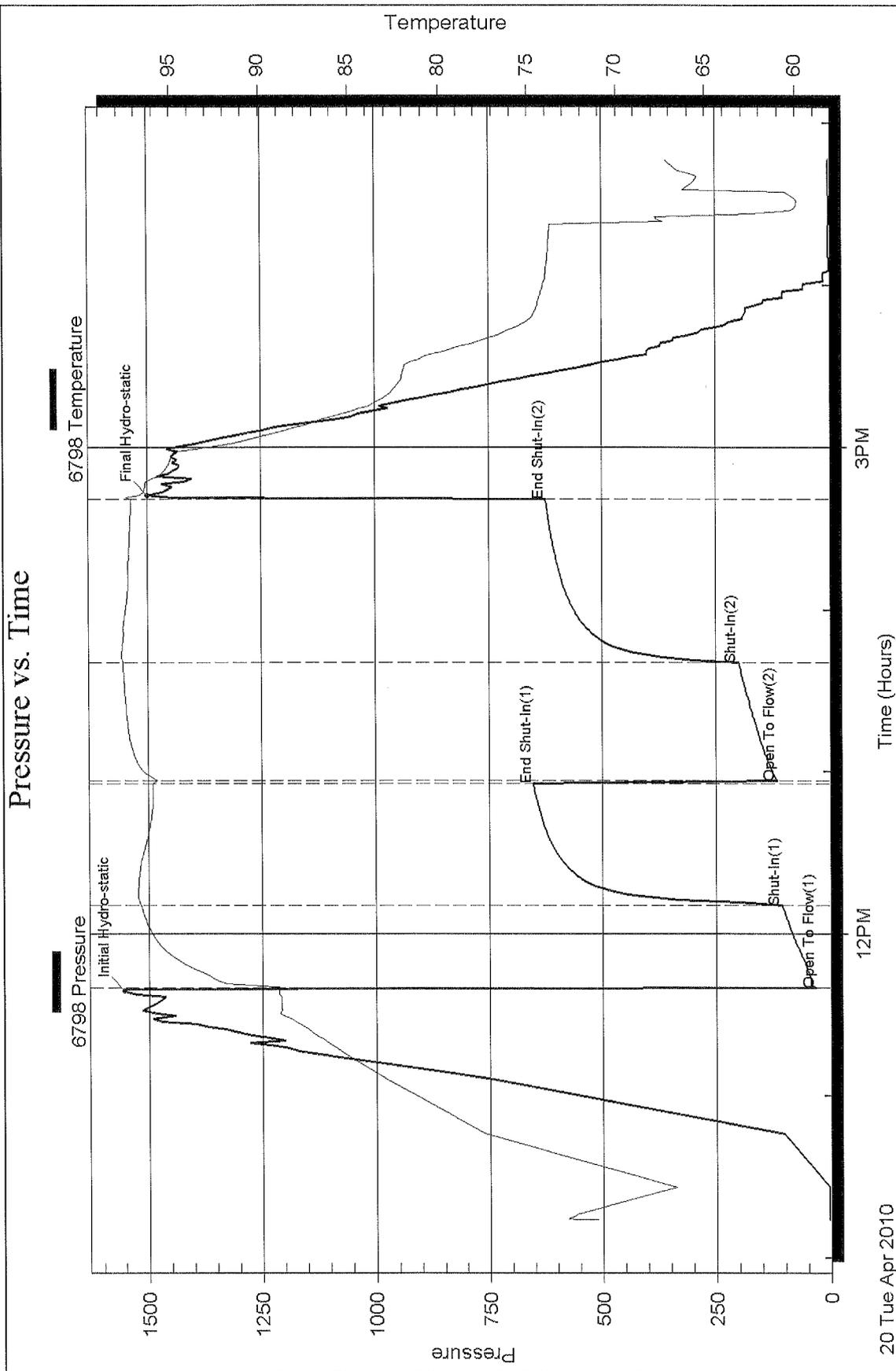
Total Length: 402.00 ft      Total Volume: 5.639 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none

Laboratory Name:      Laboratory Location:

Recovery Comments:

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**15-15s15w Russell KS**

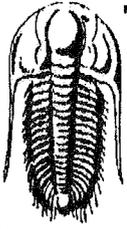
**Dietz # 1-15**

Start Date: 2010.04.21 @ 04:06:39

End Date: 2010.04.21 @ 09:39:39

Job Ticket #: 37264                      DST #: 5

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**Dietz # 1-15**

**15-15s15w Russell KS**

Job Ticket: 37264

**DST#: 5**

Test Start: 2010.04.21 @ 04:06:39

## GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:12:39

Time Test Ended: 09:39:39

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

**Interval: 3192.00 ft (KB) To 3215.00 ft (KB) (TVD)**

Total Depth: 3215.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1836.00 ft (KB)

1826.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6668**

**Inside**

Press@RunDepth: 13.39 psig @ 3193.00 ft (KB)

Start Date: 2010.04.21

End Date: 2010.04.21

Capacity: 8000.00 psig

Last Calib.: 2010.04.21

Start Time: 04:06:40

End Time: 09:39:39

Time On Btm: 2010.04.21 @ 06:11:39

Time Off Btm: 2010.04.21 @ 08:16:39

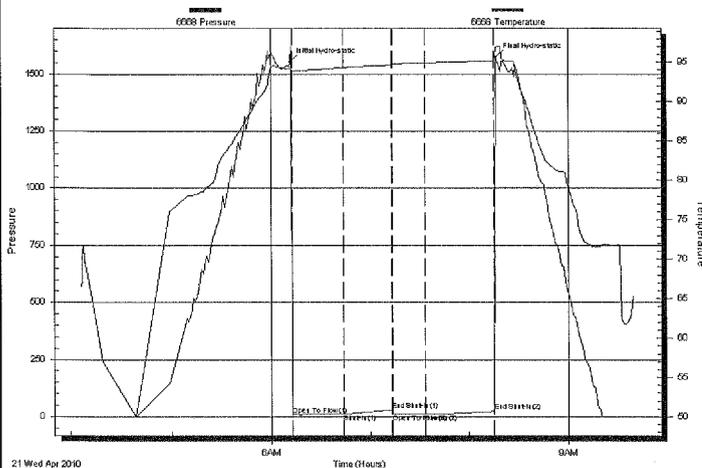
**TEST COMMENT:** IFP-Weak surface blow built to 1/2"

IS-no blow back

FFP-no blow

FSI-no blow back

Pressure vs. Time



## PRESSURE SUMMARY

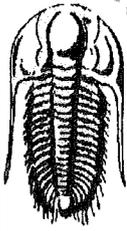
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1551.70	94.16	Initial Hydro-static
1	8.43	93.34	Open To Flow (1)
32	12.19	94.32	Shut-In(1)
61	30.73	94.64	End Shut-In(1)
62	12.06	94.70	Open To Flow (2)
82	13.39	94.92	Shut-In(2)
124	24.09	95.20	End Shut-In(2)
125	1573.14	96.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 10%O,90%M	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 37264

**DST#: 5**

ATTN: Jeff Christian

Test Start: 2010.04.21 @ 04:06:39

## Tool Information

Drill Pipe:	Length: 3200.00 ft	Diameter: 3.80 inches	Volume: 44.89 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 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: 44.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3192.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3172.00	
Shut In Tool	5.00			3177.00	
Hydraulic tool	5.00			3182.00	
Packer	5.00			3187.00	21.00 Bottom Of Top Packer
Packer	5.00			3192.00	
Stubb	1.00			3193.00	
Recorder	0.00	6668	Inside	3193.00	
Recorder	0.00	6669	Outside	3193.00	
Perforations	19.00			3212.00	
Bullnose	3.00			3215.00	23.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>44.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 37264

**DST#: 5**

ATTN: Jeff Christian

Test Start: 2010.04.21 @ 04:06:39

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6900.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 10%O,90%M	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:

DST Test Number: 5

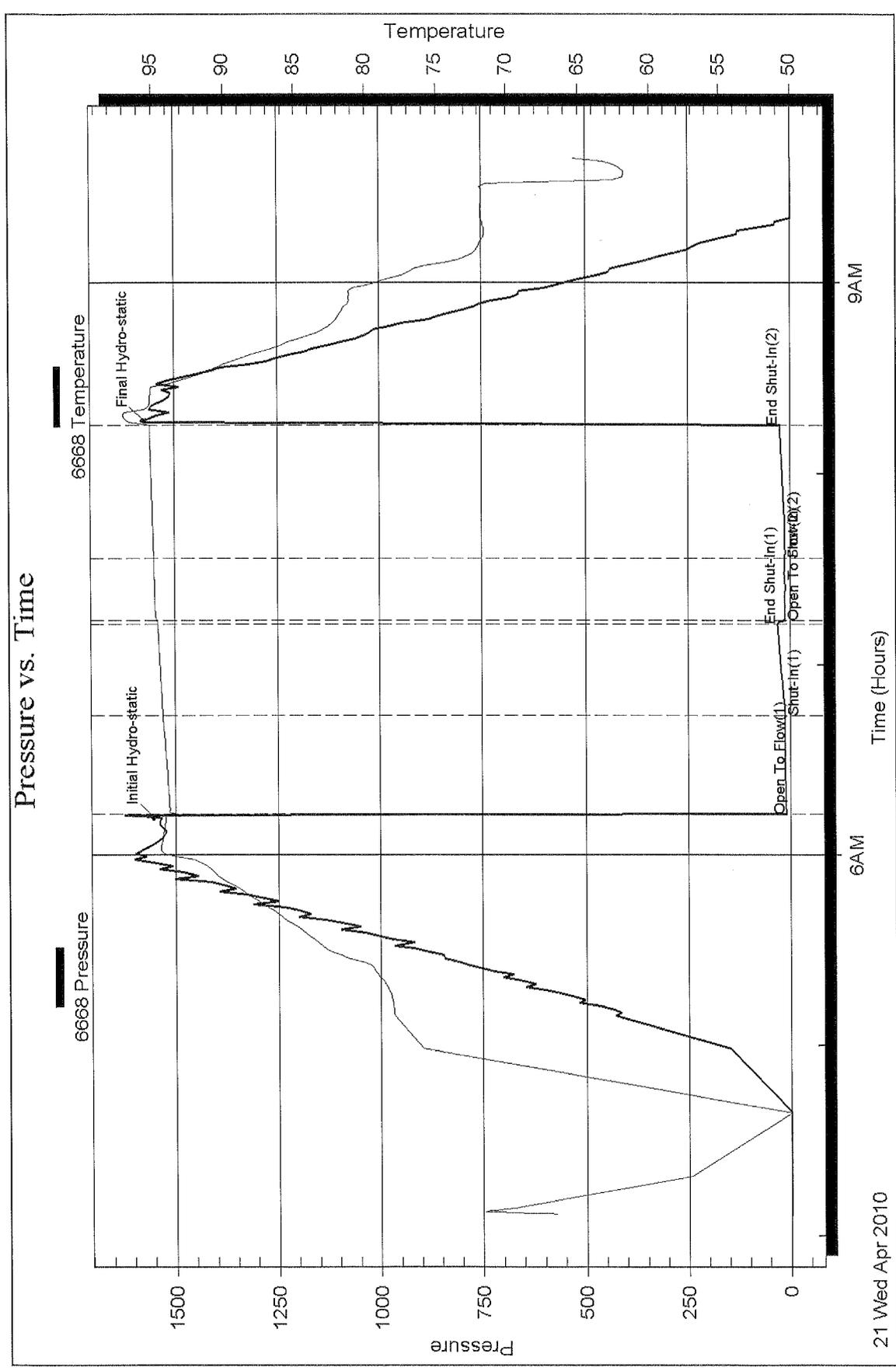
15-15s15w Russell KS

Abercrombie Energy, LLC

Inside

Serial #: 6668

### Pressure vs. Time



21 Wed Apr 2010

6AM

9AM

Time (Hours)



## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**15-15s15w Russell KS**

**Dietz # 1-15**

Start Date: 2010.04.21 @ 16:20:10

End Date: 2010.04.21 @ 22:13:40

Job Ticket #: 37265                      DST #: 6

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**Dietz # 1-15**

**15-15s15w Russell KS**

Job Ticket: 37265

**DST#: 6**

Test Start: 2010.04.21 @ 16:20:10

## GENERAL INFORMATION:

Formation: **LKC "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:35:40

Time Test Ended: 22:13:40

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **3215.00 ft (KB) To 3235.00 ft (KB) (TVD)**

Total Depth: 3235.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1836.00 ft (KB)

1826.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6669**

**Outside**

Press@RunDepth: 160.31 psig @ 3216.00 ft (KB)

Start Date: 2010.04.21

End Date: 2010.04.21

Start Time: 16:20:11

End Time: 22:13:40

Capacity: 8000.00 psig

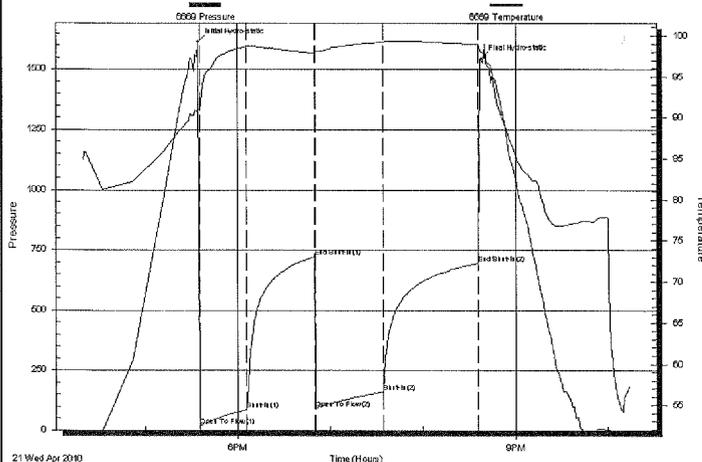
Last Calib.: 2010.04.21

Time On Btm: 2010.04.21 @ 17:34:40

Time Off Btm: 2010.04.21 @ 20:37:40

TEST COMMENT: IFP-BOB in 14 min  
ISI-no blow back  
FFP-BOB in 24 min  
FSI-no blow back

Pressure vs. Time



## PRESSURE SUMMARY

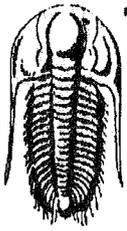
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1614.27	90.93	Initial Hydro-static
1	21.02	90.86	Open To Flow (1)
31	86.71	98.64	Shut-In(1)
75	720.79	97.89	End Shut-In(1)
76	92.71	98.02	Open To Flow (2)
120	160.31	99.20	Shut-In(2)
181	693.01	98.92	End Shut-In(2)
183	1543.83	98.05	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	MV 90%W,10%M	4.21

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 37265

**DST#: 6**

ATTN: Jeff Christian

Test Start: 2010.04.21 @ 16:20:10

**Tool Information**

Drill Pipe:	Length: 3200.00 ft	Diameter: 3.80 inches	Volume: 44.89 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	44.89 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3215.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3195.00	
Shut In Tool	5.00			3200.00	
Hydraulic tool	5.00			3205.00	
Packer	5.00			3210.00	21.00 Bottom Of Top Packer
Packer	5.00			3215.00	
Stubb	1.00			3216.00	
Recorder	0.00	6668	Inside	3216.00	
Recorder	0.00	6669	Outside	3216.00	
Perforations	16.00			3232.00	
Bullnose	3.00			3235.00	20.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>41.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 37265

**DST#: 6**

ATTN: Jeff Christian

Test Start: 2010.04.21 @ 16:20:10

**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:	41000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.16 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm-m	Gas Cushion Pressure: psig		
Salinity: 8500.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
300.00	MMV 90%VV, 10%M	4.208

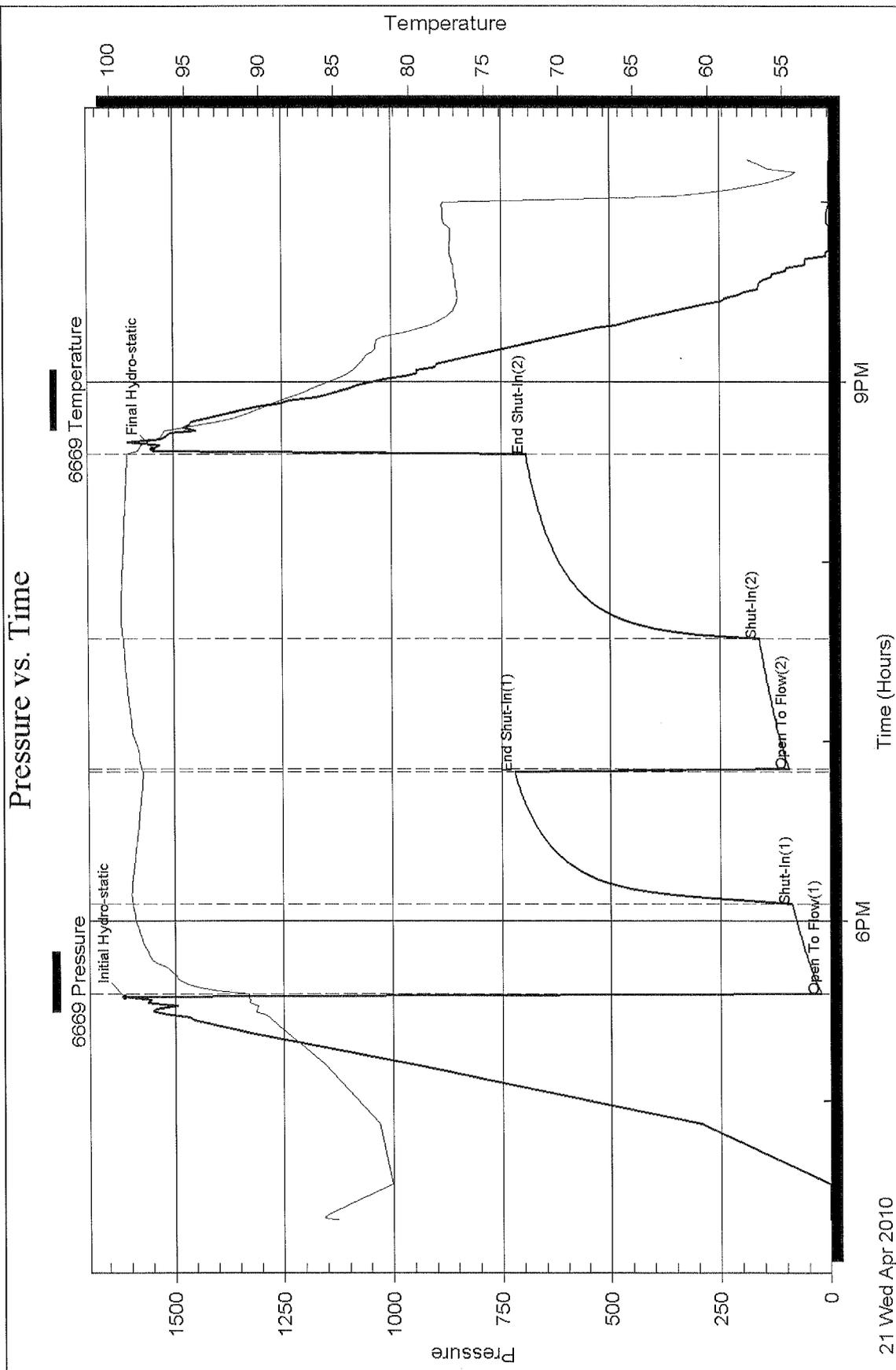
Total Length: 300.00 ft      Total Volume: 4.208 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: RW .26@ 54F = 41000 ppm chlorides

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**15-15s15w Russell KS**

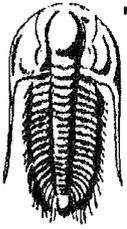
**Dietz # 1-15**

Start Date: 2010.04.22 @ 05:30:32

End Date: 2010.04.22 @ 12:52:32

Job Ticket #: 37266                      DST #: 7

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

ATTN: Jeff Christian

Job Ticket: 37266

**DST#: 7**

Test Start: 2010.04.22 @ 05:30:32

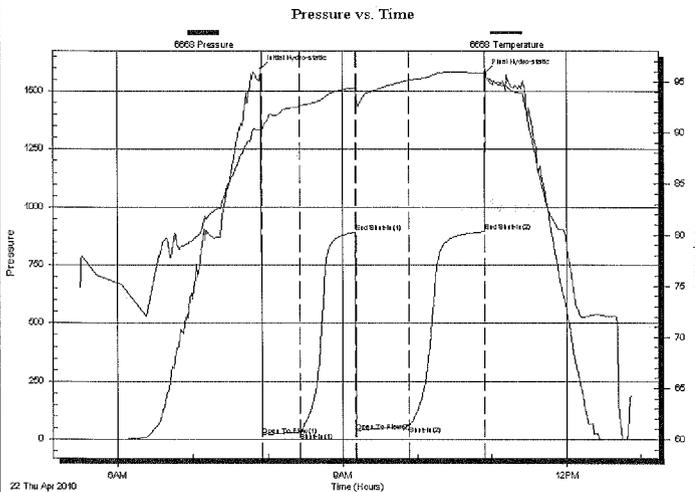
## GENERAL INFORMATION:

Formation: **LKC"K"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:56:02  
 Time Test Ended: 12:52:32  
 Interval: **3231.00 ft (KB) To 3260.00 ft (KB) (TVD)**  
 Total Depth: 3260.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Tyson Flax  
 Unit No: 44  
 Reference Elevations: 1836.00 ft (KB)  
 1826.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 6668 Inside

Press@RunDepth: 57.43 psig @ 3232.00 ft (KB)  
 Start Date: 2010.04.22 End Date: 2010.04.22 Capacity: 8000.00 psig  
 Start Time: 05:30:33 End Time: 12:52:32 Last Calib.: 2010.04.22  
 Time On Btm: 2010.04.22 @ 07:55:02  
 Time Off Btm: 2010.04.22 @ 10:55:02

TEST COMMENT: IFP-BOB in 7 min  
 IS-Weak blow back built to 1.5" died to 1"  
 FFP-BOB in 1.5 min-  
 FSI- Weak 2" blw back throughout



## PRESSURE SUMMARY

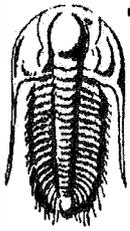
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1596.36	90.34	Initial Hydro-static
1	15.80	90.21	Open To Flow (1)
31	31.33	92.56	Shut-In(1)
75	892.15	94.39	End Shut-In(1)
76	35.48	93.38	Open To Flow (2)
118	57.43	95.15	Shut-In(2)
179	894.32	95.90	End Shut-In(2)
180	1580.85	96.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
110.00	GMCO 20%G,40%O,40%M	1.54
10.00	GCO 20%G,80%O	0.14
0.00	1020' GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

ATTN: Jeff Christian

Job Ticket: 37266

**DST#: 7**

Test Start: 2010.04.22 @ 05:30:32

## Tool Information

Drill Pipe:	Length: 3230.00 ft	Diameter: 3.80 inches	Volume: 45.31 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 45.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3231.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3211.00	
Shut In Tool	5.00			3216.00	
Hydraulic tool	5.00			3221.00	
Packer	5.00			3226.00	21.00 Bottom Of Top Packer
Packer	5.00			3231.00	
Stubb	1.00			3232.00	
Recorder	0.00	6668	Inside	3232.00	
Recorder	0.00	6669	Outside	3232.00	
Perforations	25.00			3257.00	
Bullnose	3.00			3260.00	29.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>50.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 37266

**DST#: 7**

ATTN: Jeff Christian

Test Start: 2010.04.22 @ 05:30:32

### 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: 11.17 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8500.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	GIMCO 20%G,40%O,40%M	1.543
10.00	GCO 20%G,80%O	0.140
0.00	1020' GIP	0.000

Total Length: 120.00 ft      Total Volume: 1.683 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

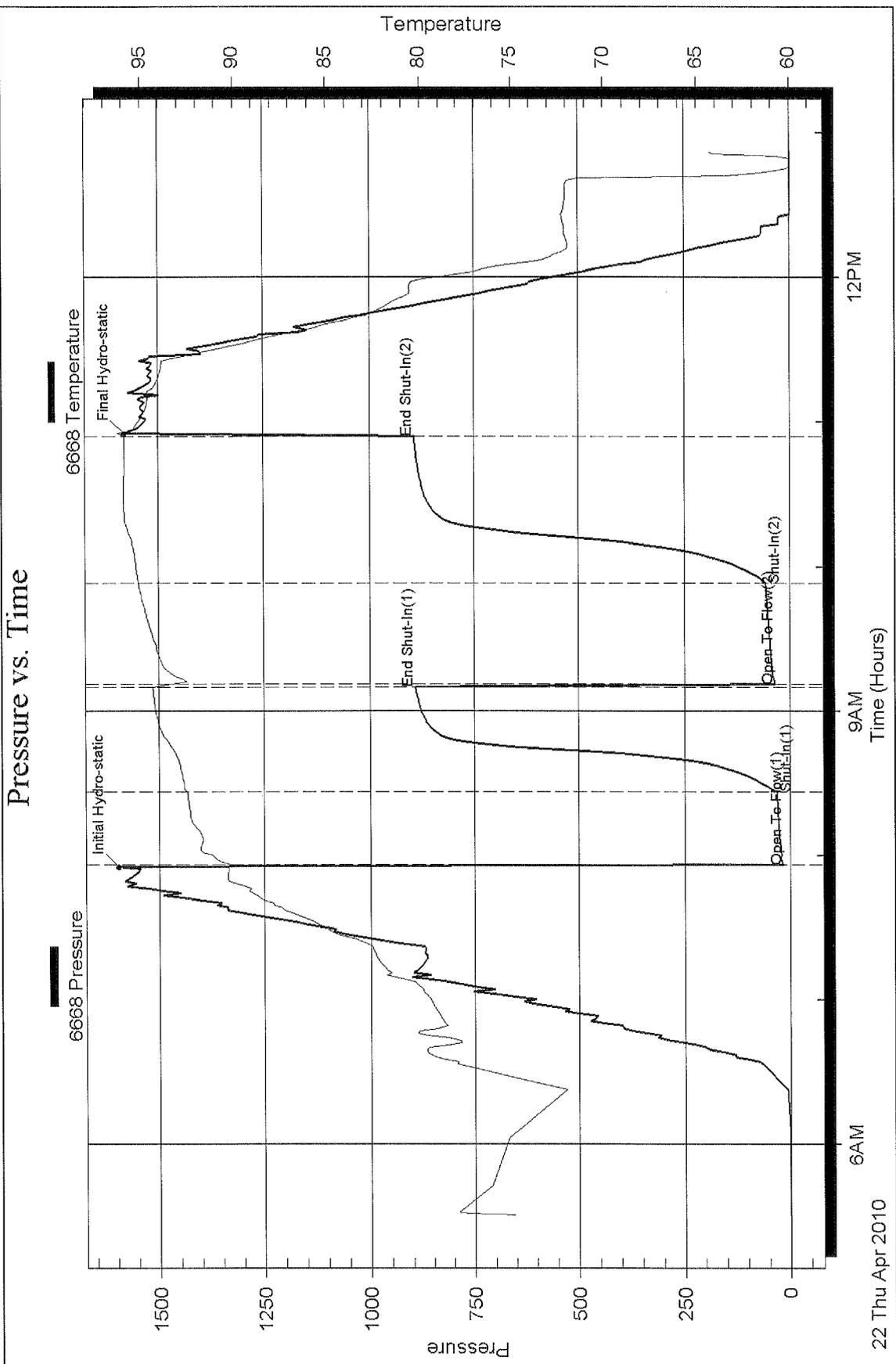
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, LLC**

150 N. Main, Ste. 801  
Wichita, KS 67202

ATTN: Jeff Christian

**15-15s15w Russell KS**

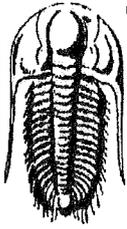
**Dietz # 1-15**

Start Date: 2010.04.22 @ 20:54:30

End Date: 2010.04.23 @ 02:54:00

Job Ticket #: 37267                      DST #: 8

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 37267

**DST#: 8**

ATTN: Jeff Christian

Test Start: 2010.04.22 @ 20:54:30

## GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:29:30

Time Test Ended: 02:54:00

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

**Interval: 3282.00 ft (KB) To 3302.00 ft (KB) (TVD)**

Total Depth: 3302.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1836.00 ft (KB)

1826.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6668**

**Inside**

Press@RunDepth: 12.98 psig @ 3283.00 ft (KB)

Start Date: 2010.04.22

End Date: 2010.04.23

Capacity: 8000.00 psig

Last Calib.: 2010.04.23

Start Time: 20:54:31

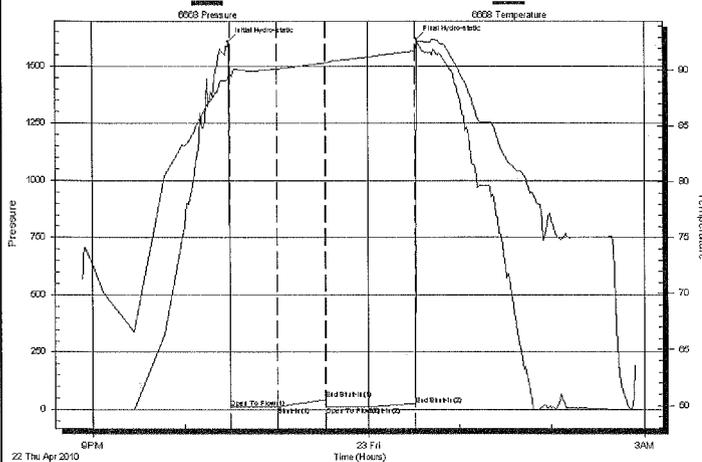
End Time: 02:54:00

Time On Btm: 2010.04.22 @ 22:28:30

Time Off Btm: 2010.04.23 @ 00:32:00

**TEST COMMENT:** IFF-Weak surface blow died in 23 min  
IS-no blow back  
FFP-Weak surface blow died in 6 min  
FSI-no blow back

Pressure vs. Time



## PRESSURE SUMMARY

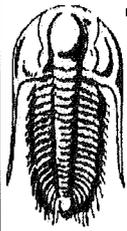
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1607.04	89.68	Initial Hydro-static
1	10.35	89.36	Open To Flow (1)
32	13.11	90.12	Shut-In(1)
63	44.45	90.68	End Shut-In(1)
64	12.71	90.69	Open To Flow (2)
92	12.98	91.22	Shut-In(2)
123	23.00	91.75	End Shut-In(2)
124	1617.13	92.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 10%O,90%M	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 37267

**DST#: 8**

ATTN: Jeff Christian

Test Start: 2010.04.22 @ 20:54:30

**Tool Information**

Drill Pipe:	Length: 3291.00 ft	Diameter: 3.80 inches	Volume: 46.16 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 46.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3282.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3262.00	
Shut In Tool	5.00			3267.00	
Hydraulic tool	5.00			3272.00	
Packer	5.00			3277.00	21.00 Bottom Of Top Packer
Packer	5.00			3282.00	
Stubb	1.00			3283.00	
Recorder	0.00	6668	Inside	3283.00	
Recorder	0.00	6669	Inside	3283.00	
Perforations	16.00			3299.00	
Bullnose	3.00			3302.00	20.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>41.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Abercrombie Energy, LLC

**Dietz # 1-15**

150 N. Main, Ste. 801  
Wichita, KS 67202

**15-15s15w Russell KS**

Job Ticket: 37267

**DST#: 8**

ATTN: Jeff Christian

Test Start: 2010.04.22 @ 20:54:30

**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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 9000.00 ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 10%O,90%M	0.070

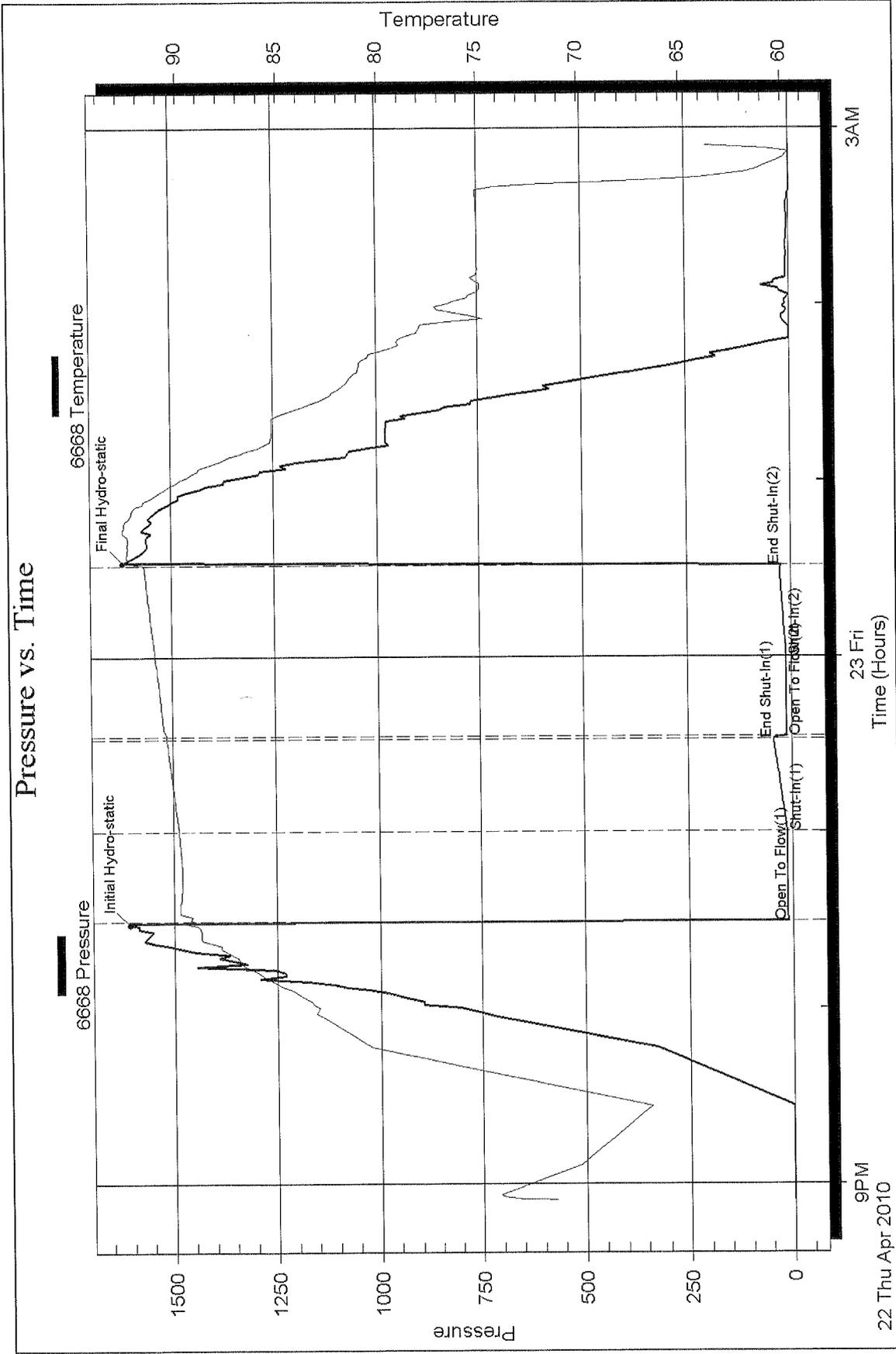
Total Length: 5.00 ft      Total Volume: 0.070 bbl

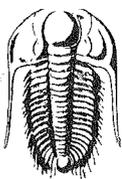
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time





# TRILOBITE TESTING INC.

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## Test Ticket

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APR 26 2010

NO. 36860

Well Name & No. Dietz #1-15 BY: \_\_\_\_\_ Test No. 1 Date 4-18-10  
 Company Abercrombie Energy, LLC Elevation 1836 KB 1826 GL \_\_\_\_\_  
 Address 150 N. Main, Ste. 801 Wichita, Kansas 67202  
 Co. Rep / Geo. Jeff Christian Rig Val #6  
 Location: Sec. 15 Twp. 15S Rge. 15W Co. Russell State K5

Interval Tested 3031-3076 Zone Tested Lansing/K.C. 'A'  
 Anchor Length 45 Drill Pipe Run 3015 Mud Wt. 9.4  
 Top Packer Depth 3026 Drill Collars Run 0 Vis 6.5  
 Bottom Packer Depth 3031 Wt. Pipe Run 0 WL 11.2  
 Total Depth 3076 Chlorides 5,100 ppm System LCM 0

Blow Description IF: Weak blow. Built to 8"  
ISI: No blow.  
FF: Weak blow. Built to 7 1/8"  
FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>50+Wcm</u>		<u>8</u>	<u>12</u>	<u>80</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 124 BHT 96 Gravity N/C API RW N/C @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

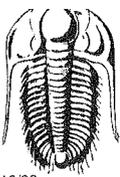
(A) Initial Hydrostatic	<u>1504</u>	<input checked="" type="checkbox"/> Test	<u>1125</u>	T-On Location	<u>1700</u>
(B) First Initial Flow	<u>21</u>	<input type="checkbox"/> Jars		T-Started	<u>1750</u>
(C) First Final Flow	<u>42</u>	<input type="checkbox"/> Safety Joint		T-Open	<u>1936</u>
(D) Initial Shut-In	<u>732</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>2238</u>
(E) Second Initial Flow	<u>51</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>2434</u>
(F) Second Final Flow	<u>75</u>	<input checked="" type="checkbox"/> Mileage	<u>76 R.T. 95</u>	Comments	
(G) Final Shut-In	<u>721</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1387</u>	<input type="checkbox"/> Straddle			

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>45</u>	<input type="checkbox"/> Extra Recorder		<input type="checkbox"/> Extra Copies	
Final Shut-In	<u>60</u>	<input type="checkbox"/> Day Standby		Sub Total	<u>0</u>
		<input type="checkbox"/> Accessibility		Total	<u>1220</u>
		Sub Total	<u>1220</u>		

Approved By [Signature]

Our Representative Jerry Adams Thank YOU.

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.



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APR 26 2010

## Test Ticket

NO. 36861

10/08

BY:

Well Name & No. Dietz #1-15 Test No. 2 Date 4-19-10  
 Company Abercrombie Energy, LLC Elevation 1836 KB 1826 GL  
 Address 150 N. Main, Ste. 801 Wichita, Kansas 67202  
 Co. Rep / Geo. Jeff Christian Rig Val #6  
 Location: Sec. 15 Twp. 15S Rge. 15W Co. Russell State Ks.

Interval Tested 3076-3094 Zone Tested Lansing/K.C. 'B'  
 Anchor Length 18' Drill Pipe Run 3077' Mud Wt. 9.3  
 Top Packer Depth 3071 Drill Collars Run 0 Vis 59  
 Bottom Packer Depth 3076 Wt. Pipe Run 0 WL 11.2  
 Total Depth 3094 Chlorides 5,800 ppm System LCM 0  
 Blow Description IF: Fair blow. B.O.B. in 8 mins.  
ISI: Weak blow. Built to 1/4"  
FF: Weak blow. B.O.B. in 14 mins.  
FSI: Weak blow. Built to 1/8"

Rec	Feet of	%gas	%oil	%water	%mud
12	56m + wco	5	65	20	10
124	wcm w/oil scum			30	70
248	5m cw			85	15
0	250' G.I.P				

Rec Total 384 BHT 97 Gravity N/C API RW .078 @ 90 °F Chlorides 78,000 ppm

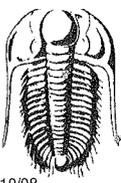
(A) Initial Hydrostatic <u>1532</u>	<input checked="" type="checkbox"/> Test <u>1125</u>	T-On Location <u>0645</u>
(B) First Initial Flow <u>29</u>	<input type="checkbox"/> Jars	T-Started <u>0657</u>
(C) First Final Flow <u>100</u>	<input type="checkbox"/> Safety Joint	T-Open <u>0845</u>
(D) Initial Shut-In <u>569</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1146</u>
(E) Second Initial Flow <u>102</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1344</u>
(F) Second Final Flow <u>196</u>	<input checked="" type="checkbox"/> Mileage <u>76 R.T. 95</u>	Comments
(G) Final Shut-In <u>563</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1502</u>	<input type="checkbox"/> Straddle	
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>45</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1220</u>
	Sub Total <u>1220</u>	

Approved By Jeff Christian

Our Representative Jerry Adams

Thank You.

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# TRILOBITE TESTING INC.

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APR 26 2010

## Test Ticket

NO. 36862

Well Name & No. Dietz #1-15 Test No. 3 Date 4-19-10  
 Company Abercrombie Energy, LLC Elevation 1836 KB 1826 GL  
 Address 150N. Main, Ste. 801 Wichita, Kansas 67202  
 Co. Rep / Geo. Jeff Christian Rig Val #6  
 Location: Sec. 15 Twp. 15S Rge. 15W Co. Russell State Ks.

Interval Tested 3096-3116 Zone Tested Lansing/K.C. 'D'  
 Anchor Length 20 Drill Pipe Run 3108' Mud Wt. 9.2  
 Top Packer Depth 3091 Drill Collars Run 0 Vis 65  
 Bottom Packer Depth 3096 Wt. Pipe Run 0 WL 11.2  
 Total Depth 3116 Chlorides 5,800 ppm System LCM 0

Blow Description IF: Strong blow. B.O.B. in 1 1/2 mins.  
ISI: Weak blow. Built to 1 1/8", decreased to 1."  
FF: Fair blow. B.O.B. in 5 mins.  
FSI: Weak blow. Built to 4."

Rec	Feet of	%gas	%oil	%water	%mud
41	564 mco	5	70		25
124	5m WCGSYO	35	45	15	5
0	1025' GIP				
Rec Total	175	BHT	94	Gravity	N/C
				API RW	N/C @

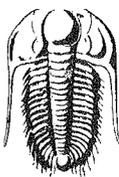
(A) Initial Hydrostatic 1519  Test 1125 T-On Location 2000  
 (B) First Initial Flow 24  Jars \_\_\_\_\_ T-Started 2015  
 (C) First Final Flow 37  Safety Joint \_\_\_\_\_ T-Open 2130  
 (D) Initial Shut-In 529  Circ Sub \_\_\_\_\_ T-Pulled 2438  
 (E) Second Initial Flow 51  Hourly Standby \_\_\_\_\_ T-Out 0244  
 (F) Second Final Flow 73  Mileage 76 R.T. 90' Comments \_\_\_\_\_  
 (G) Final Shut-In 516  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1469  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Day Standby \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Accessibility \_\_\_\_\_ Total 1220  
 Final Flow 45  
 Final Shut-In 60  
 Sub Total 1220

Approved By Jeff Christian

Our Representative Gerry Adams

Thank YOU.

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# TRILOBITE TESTING INC.

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APR 26 2010

## Test Ticket

NO. 36863

10/08

BY:

Well Name & No. Diets # 1-15 Test No. 4 Date 4-20-10  
 Company Abercrombie Energy, LLC Elevation 1836 KB 1826 GL  
 Address 150 N. Main, Ste. 801 Wichita, Kansas 67202  
 Co. Rep / Geo. Jeff Christian Rig Val #6  
 Location: Sec. 15 Twp. 15S Rge. 15W Co. Russell State Ks.

Interval Tested 3122-3151 Zone Tested Lansing/K.C. 'E-F'  
 Anchor Length 29' Drill Pipe Run 3109 Mud Wt. 9.1  
 Top Packer Depth 3117 Drill Collars Run 0 Vis 59  
 Bottom Packer Depth 3122 Wt. Pipe Run 0 WL 9.6  
 Total Depth 3151 Chlorides 6,900 ppm System LCM 0  
 Blow Description IF: Strong blow. B.O.B. in 5 mins.  
IST: Fair blow. Built to 11."  
FF: Strong blow. B.O.B. in 7 1/2 mins.  
FST: Fair blow. B.O.B. in 40 mins.

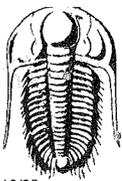
Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>SGM+WCO</u>	<u>10</u>	<u>65</u>	<u>15</u>	<u>10</u>
<u>154</u>	<u>HG+MCOILY W</u>	<u>35</u>	<u>20</u>	<u>20</u>	<u>25</u>
<u>218</u>	<u>SMCLW</u>	<u></u>	<u></u>	<u>95</u>	<u>5</u>
<u>0</u>	<u>590' GTP</u>	<u></u>	<u></u>	<u>?</u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>

Rec Total 402 BHT 97 Gravity NIC API RW .082 @ 94 °F Chlorides 70,000 ppm

(A) Initial Hydrostatic 1554  Test 1125 T-On Location 1000  
 (B) First Initial Flow 33  Jars \_\_\_\_\_ T-Started 1013  
 (C) First Final Flow 107  Safety Joint \_\_\_\_\_ T-Open 1139  
 (D) Initial Shut-In 653  Circ Sub \_\_\_\_\_ T-Pulled 1440  
 (E) Second Initial Flow 117  Hourly Standby \_\_\_\_\_ T-Out 1646  
 (F) Second Final Flow 200  Mileage 76R.T. 95 Comments \_\_\_\_\_  
 (G) Final Shut-In 624  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1499  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Day Standby \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Accessibility \_\_\_\_\_ Total 1220  
 Final Flow 45 Sub Total 1220  
 Final Shut-In 60

Approved By Jeff Christian Our Representative Jerry Adams Thank You.

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 of 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.



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APR 26 2010

## Test Ticket

NO. 37264

BY: \_\_\_\_\_

Well Name & No. Dietz # 1-15 Test No. 5 Date 4-20-10  
 Company Abercrombie Energy Elevation 1836 KB 1826 GL \_\_\_\_\_  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Jeff Christman Rig Val #6  
 Location: Sec. 15 Twp. 15<sup>3</sup> Rge. 15<sup>W</sup> Co. Russell State KS

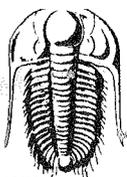
Interval Tested 3192 - 3215 Zone Tested LKC "I"  
 Anchor Length 23 Drill Pipe Run 3200 Mud Wt. 9.3  
 Top Packer Depth 3187 Drill Collars Run — Vis 59  
 Bottom Packer Depth 3192 Wt. Pipe Run — WL 9.6  
 Total Depth 3215 Chlorides 6900 ppm System LCM  
 Blow Description IFF - Weak surface blow built to 1/2"  
ISI - no blow back  
FFP - no blow  
FSI - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OCM</u>		<u>10</u>		<u>90</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 95 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1552  Test 1125 T-On Location 23:42  
 (B) First Initial Flow 8  Jars \_\_\_\_\_ T-Started 4:06  
 (C) First Final Flow 12  Safety Joint \_\_\_\_\_ T-Open 6:13  
 (D) Initial Shut-In 31  Circ Sub \_\_\_\_\_ T-Pulled 8:13  
 (E) Second Initial Flow 12  Hourly Standby \_\_\_\_\_ T-Out 9:39  
 (F) Second Final Flow 13  Mileage 85 BHT Comments \_\_\_\_\_  
 (G) Final Shut-In 24  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1511  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  Day Standby \_\_\_\_\_ Sub Total 8  
 Final Shut-In 30  Accessibility \_\_\_\_\_ Total 1210  
 Sub Total 1210

Approved By \_\_\_\_\_ Our Representative [Signature]  
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APR 26 2010

## Test Ticket

No. 37265

10/08

Well Name & No. Dierz #1-13 Test No. 6 Date 4-21-10  
 Company Abercrombie Energy Elevation 1836 KB 1826 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Jeff Christian Rig Val #6  
 Location: Sec. 15 Twp. 15<sup>s</sup> Rge. 15<sup>w</sup> Co. Russell State KS

Interval Tested 3215 - 3235 Zone Tested LKC "J"  
 Anchor Length 20 Drill Pipe Run 3200 Mud Wt. 9.2  
 Top Packer Depth 3210 Drill Collars Run \_\_\_\_\_ Vis 51  
 Bottom Packer Depth 3215 Wt. Pipe Run \_\_\_\_\_ WL 11.2  
 Total Depth 3235 Chlorides 8500 ppm System LCM \_\_\_\_\_  
 Blow Description IFP - BOB in 14 min  
ISF - no blow back  
FFP - BOB in 24 min  
FSI - no blow back

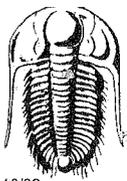
Rec	Feet of	%gas	%oil	%water	%mud
<u>300</u>	<u>mw</u>			<u>90</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 300 BHT 99 Gravity \_\_\_\_\_ API RW .26 @ 54 °F Chlorides 41000 ppm

(A) Initial Hydrostatic 1614  Test 1125 T-On Location 13:55  
 (B) First Initial Flow 21  Jars \_\_\_\_\_ T-Started 14:20  
 (C) First Final Flow 87  Safety Joint \_\_\_\_\_ T-Open 17:36  
 (D) Initial Shut-In 721  Circ Sub \_\_\_\_\_ T-Pulled 20:36  
 (E) Second Initial Flow 93  Hourly Standby \_\_\_\_\_ T-Out 22:13  
 (F) Second Final Flow 160  Mileage 08 RT 85 Comments \_\_\_\_\_  
 (G) Final Shut-In 693  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1534  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  
 Initial Shut-In 45  
 Final Flow 45  
 Final Shut-In 60  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1210  
 Sub Total 1210

Approved By \_\_\_\_\_ Our Representative [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.



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

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## Test Ticket

NO. 37266

10/08

BY: \_\_\_\_\_

Well Name & No. Dantz #1-15 Test No. 7 Date 4-22-10  
 Company Abercrombie Elevation 1536 KB 1826 GL \_\_\_\_\_  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Jeff Christian Rig Val #6  
 Location: Sec. 15 Twp. 15<sup>3</sup> Rge. 15<sup>W</sup> Co. Russell State KS

Interval Tested 3231 - 3260 Zone Tested LKC "K"  
 Anchor Length 29 Drill Pipe Run 3230 Mud Wt. 9.0  
 Top Packer Depth 3226 Drill Collars Run \_\_\_\_\_ Vis 52  
 Bottom Packer Depth 3231 Wt. Pipe Run \_\_\_\_\_ WL \_\_\_\_\_  
 Total Depth 3260 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_

Blow Description IFP - BOB in 7 min  
FSI - Weak blow back throughout  
FFP - BOB in 1.5 min  
FSI - Weak blow back throughout

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>GLO</u>	<u>20</u>	<u>80</u>		
<u>110</u>	<u>GMCLO</u>	<u>20</u>	<u>40</u>	<u>40</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec <u>1020</u>	Feet of <u>GIP</u>	%gas _____	%oil _____	%water _____	%mud _____

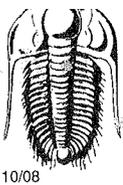
Rec Total 120 BHT 96 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1596  Test 1125 T-On Location 4:47  
 (B) First Initial Flow 16  Jars \_\_\_\_\_ T-Started 5:30  
 (C) First Final Flow 31  Safety Joint \_\_\_\_\_ T-Open 7:55  
 (D) Initial Shut-In 892  Circ Sub \_\_\_\_\_ T-Pulled 10:55  
 (E) Second Initial Flow 35  Hourly Standby \_\_\_\_\_ T-Out 12:52  
 (F) Second Final Flow 57  Mileage 68RT 85 Comments \_\_\_\_\_  
 (G) Final Shut-In 894  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1533  Straddle \_\_\_\_\_

Initial Open 30  Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 45  Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Shut-In 60  Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 1210  
 Sub Total 1210

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

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APR 26 2010

## Test Ticket

NO. 37267

Well Name & No. Dierz #1-15 Test No. 8 Date 4-22-10  
 Company Abercrombie Elevation 1836 KB 1874 GL  
 Address \_\_\_\_\_  
 Co. Rep / Geo. Jeff Christian Rig Val #6  
 Location: Sec. 15 Twp. 15<sup>s</sup> Rge. 15<sup>w</sup> Co. Russell State KS

Interval Tested 3282-3302 Zone Tested Mannington  
 Anchor Length 20 Drill Pipe Run 3291 Mud Wt. 9.3  
 Top Packer Depth 3277 Drill Collars Run \_\_\_\_\_ Vis 50  
 Bottom Packer Depth 3282 Wt. Pipe Run \_\_\_\_\_ WL 92  
 Total Depth 3302 Chlorides 9000 ppm System LCM \_\_\_\_\_

Blow Description IFP - Weak surface blow died in 23 min  
ISI - no blow back  
FFP - Weak surface blow died in 6 min  
FSI - no blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OCM</u>	<u>10</u>		<u>90</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 92 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1607  Test 1.25 T-On Location 20:33  
 (B) First Initial Flow 10  Jars \_\_\_\_\_ T-Started 20:54  
 (C) First Final Flow 13  Safety Joint \_\_\_\_\_ T-Open 22:30  
 (D) Initial Shut-In 44  Circ Sub \_\_\_\_\_ T-Pulled 00:30  
 (E) Second Initial Flow 13  Hourly Standby \_\_\_\_\_ T-Out 2:54  
 (F) Second Final Flow 13  Mileage 68RT 85 Comments \_\_\_\_\_  
 (G) Final Shut-In 23  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1575  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  Day Standby \_\_\_\_\_ Sub Total 0  
 Final Shut-In 30  Accessibility \_\_\_\_\_ Total 1210  
 Sub Total 1210

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