



DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, Inc.**

10209 W Central
STE 2 Wichita KS 67212

ATTN: Kent Chrisler

Pickett #1-7

17-20-34w Scott,KS

Start Date: 2013.07.10 @ 20:24:15

End Date: 2013.07.11 @ 02:45:30

Job Ticket #: 53131 DST #: 1

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

Printed: 2013.07.16 @ 09:02:53



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53131

DST#: 1

ATTN: Kent Chrisler

Test Start: 2013.07.10 @ 20:24:15

GENERAL INFORMATION:

Formation: **LKC H-I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:31:00

Time Test Ended: 02:45:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: 4218.00 ft (KB) To 4281.00 ft (KB) (TVD)

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4281.00 ft (KB) (TVD)

3106.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8846

Inside

Press @ Run Depth: 1155.42 psig @ 4219.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.10

End Date:

2013.07.11

Last Calib.:

2013.07.11

Start Time: 20:24:15

End Time:

02:45:30

Time On Btm:

2013.07.10 @ 22:27:45

Time Off Btm:

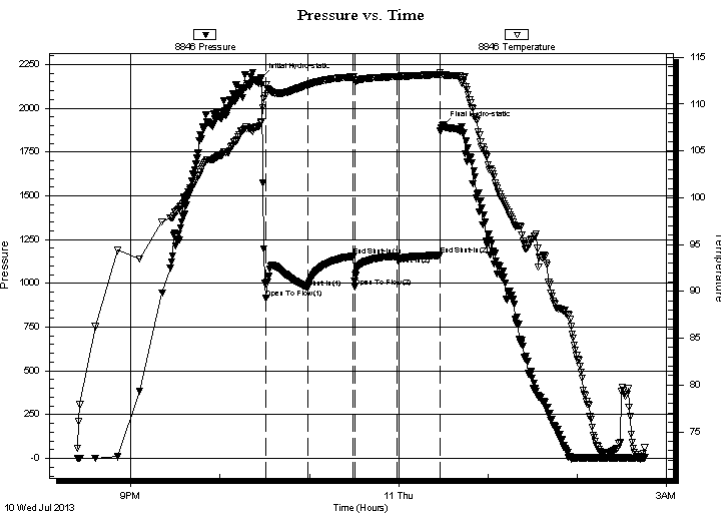
2013.07.11 @ 00:29:45

TEST COMMENT: IF:BOB in 15 seconds

IS:No return blow

FF:Built to 5" blow

FS:No return blow



PRESSURE SUMMARY

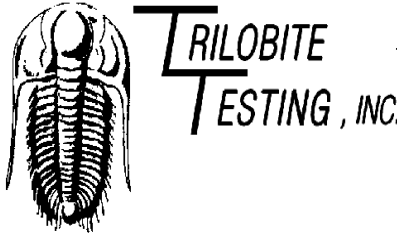
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2173.50	108.14	Initial Hydro-static
4	916.07	112.04	Open To Flow (1)
31	976.72	112.03	Shut-In(1)
62	1155.15	112.90	End Shut-In(1)
63	978.87	112.44	Open To Flow (2)
91	1155.42	112.94	Shut-In(2)
120	1160.69	113.15	End Shut-In(2)
122	1902.49	113.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
930.00	mud 100% m	13.05

Gas Rates

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



DRILL STEM TEST REPORT

Abercrombie Energy, Inc.

17-20-34w Scott, KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53131

DST#: 1

ATTN: Kent Chrisler

Test Start: 2013.07.10 @ 20:24:15

GENERAL INFORMATION:

Formation: **LKC H-I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:31:00

Time Test Ended: 02:45:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 65

Interval: **4218.00 ft (KB) To 4281.00 ft (KB) (TVD)**

Total Depth: 4281.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3116.00 ft (KB)

3106.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8737 Outside

Press @ Run Depth: psig @ 4219.00 ft (KB)

Start Date: 2013.07.10 End Date: 2013.07.11

Start Time: 20:24:15 End Time: 02:45:15

Capacity: 8000.00 psig

Last Calib.: 2013.07.11

Time On Btm:

Time Off Btm:

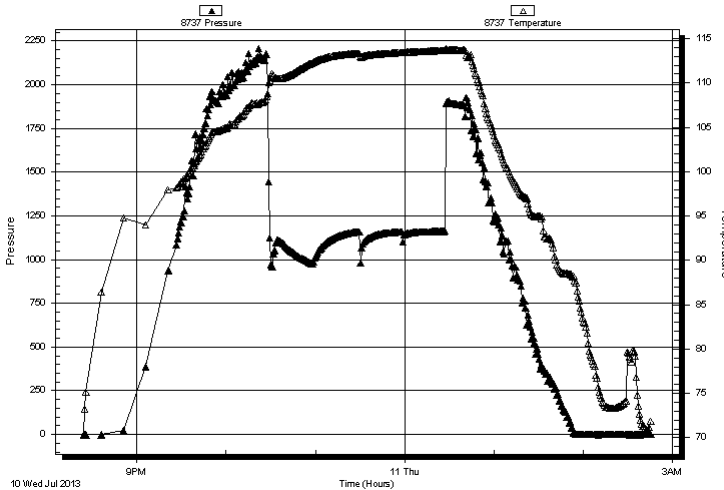
TEST COMMENT: IF:BOB in 15 seconds

IS:No return blow

FF:Built to 5" blow

FS:No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
930.00	mud 100% m	13.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53131

DST#: 1

ATTN: Kent Chrisler

Test Start: 2013.07.10 @ 20:24:15

Tool Information

Drill Pipe:	Length: 4212.00 ft	Diameter: 3.80 inches	Volume: 59.08 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 59.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4218.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	92.00 ft			
Number of Packers:	2	Diameter: 7.88 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4190.00	
Shut In Tool	5.00			4195.00	
Hydraulic tool	5.00			4200.00	
Jars	5.00			4205.00	
Safety Joint	3.00			4208.00	
Packer	5.00			4213.00	29.00 Bottom Of Top Packer
Packer	5.00			4218.00	
Stubb	1.00			4219.00	
Recorder	0.00	8846	Inside	4219.00	
Recorder	0.00	8737	Outside	4219.00	
Perforations	1.00			4220.00	
Change Over Sub	1.00			4221.00	
Drill Pipe	31.00			4252.00	
Change Over Sub	1.00			4253.00	
Perforations	23.00			4276.00	
Bullnose	5.00			4281.00	63.00 Bottom Packers & Anchor
Total Tool Length:	92.00				



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53131

DST#: 1

ATTN: Kent Chrisler

Test Start: 2013.07.10 @ 20:24:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.95 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
930.00	mud 100% m	13.045

Total Length: 930.00 ft Total Volume: 13.045 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

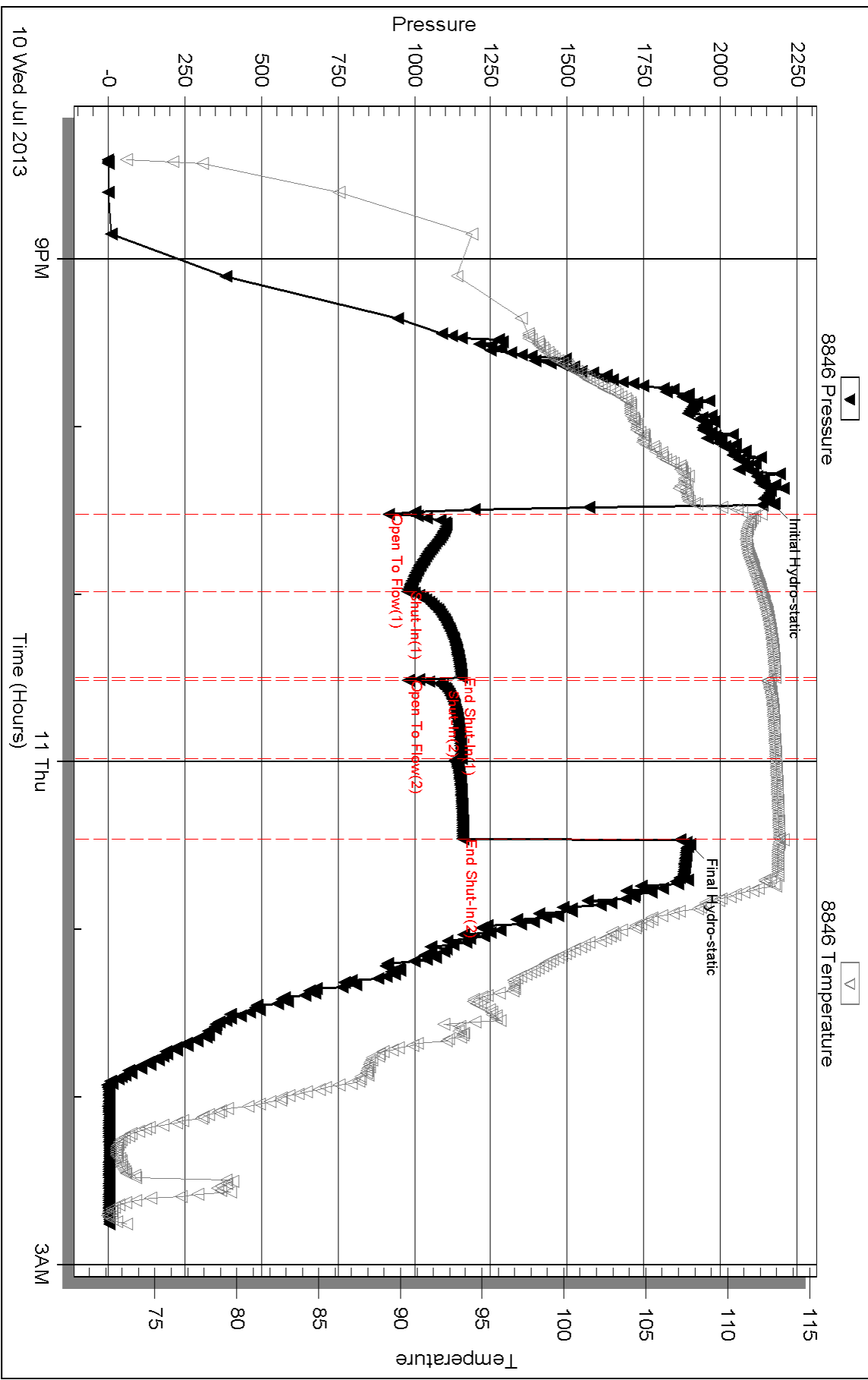
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

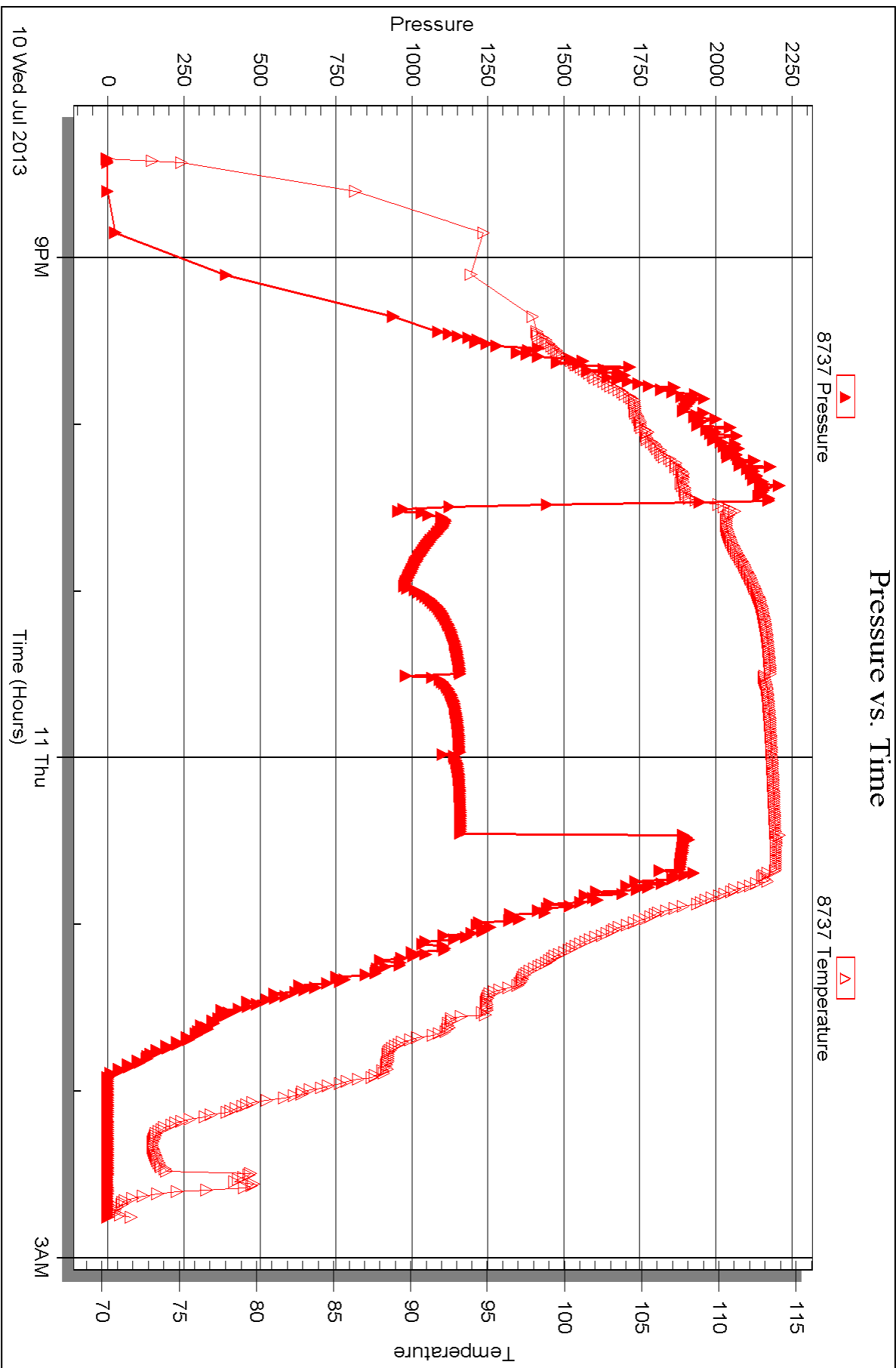


Serial #: 8737

Outside Abercrombie Energy, Inc.

Pickett #1-7

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, Inc.**

10209 W Central
STE 2 Wichita KS 67212

ATTN: Kent Chrisler

Pickett #1-7

17-20-34w Scott,KS

Start Date: 2013.07.12 @ 07:28:15

End Date: 2013.07.12 @ 13:25:30

Job Ticket #: 53132 DST #: 2

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

Printed: 2013.07.16 @ 09:02:16



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DRILL STEM TEST REPORT

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53132

DST#: 2

ATTN: Kent Chrisler

Test Start: 2013.07.12 @ 07:28:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:23:00

Time Test Ended: 13:25:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4466.00 ft (KB) To 4587.00 ft (KB) (TVD)

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4587.00 ft (KB) (TVD)

3106.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8846

Inside

Press @ Run Depth: 78.55 psig @ 4467.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.12

End Date:

2013.07.12

Last Calib.:

2013.07.12

Start Time:

07:28:15

End Time:

13:25:30

Time On Btm:

2013.07.12 @ 09:22:45

Time Off Btm:

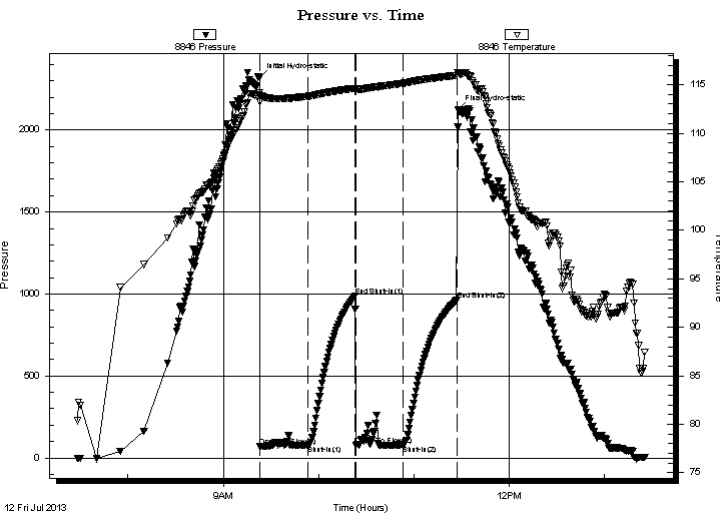
2013.07.12 @ 11:27:45

TEST COMMENT: IF:Weak surface blow died in 13 min.

IS:No return blow

FF:No blow

FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2322.27	114.17	Initial Hydro-static
1	71.74	113.22	Open To Flow (1)
31	76.22	113.80	Shut-In(1)
60	985.83	114.64	End Shut-In(1)
61	76.22	114.49	Open To Flow (2)
91	78.55	115.15	Shut-In(2)
125	962.73	115.97	End Shut-In(2)
125	2124.19	116.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	m 100% mud	0.42

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53132

DST#: 2

ATTN: Kent Chrisler

Test Start: 2013.07.12 @ 07:28:15

GENERAL INFORMATION:

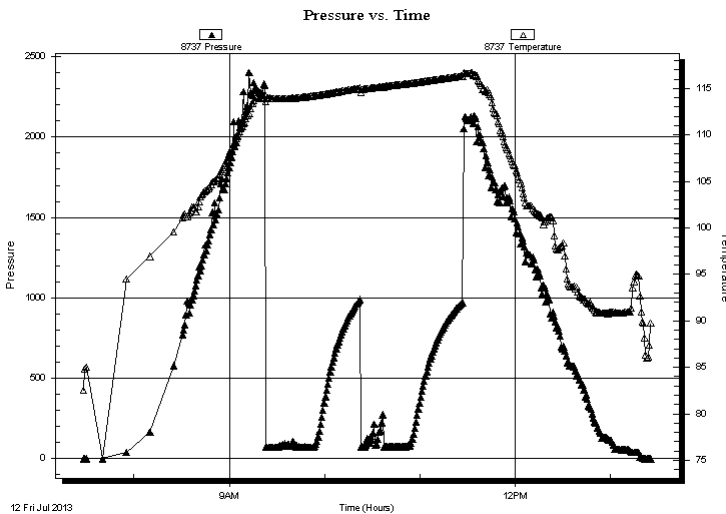
Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:23:00
 Tester: Mike Roberts
 Time Test Ended: 13:25:30
 Unit No: 65
 Interval: **4466.00 ft (KB) To 4587.00 ft (KB) (TVD)**
 Reference Elevations: 3116.00 ft (KB)
 Total Depth: 4587.00 ft (KB) (TVD)
 3106.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 10.00 ft

Serial #: 8737 Outside

Press @ Run Depth: psig @ 4467.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.12 End Date: 2013.07.12 Last Calib.: 2013.07.12
 Start Time: 07:28:15 End Time: 13:25:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak surface blow died in 13 min.
 IS: No return blow
 FF: No blow
 FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
30.00	m 100% mud	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53132

DST#: 2

ATTN: Kent Chrisler

Test Start: 2013.07.12 @ 07:28:15

Tool Information

Drill Pipe:	Length: 4469.00 ft	Diameter: 3.80 inches	Volume: 62.69 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4466.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	121.00 ft			
Tool Length:	150.00 ft			
Number of Packers:	2	Diameter: 7.88 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4438.00	
Shut In Tool	5.00			4443.00	
Hydraulic tool	5.00			4448.00	
Jars	5.00			4453.00	
Safety Joint	3.00			4456.00	
Packer	5.00			4461.00	29.00 Bottom Of Top Packer
Packer	5.00			4466.00	
Stubb	1.00			4467.00	
Recorder	0.00	8846	Inside	4467.00	
Recorder	0.00	8737	Outside	4467.00	
Perforations	1.00			4468.00	
Change Over Sub	1.00			4469.00	
Drill Pipe	94.00			4563.00	
Change Over Sub	1.00			4564.00	
Perforations	18.00			4582.00	
Bullnose	5.00			4587.00	121.00 Bottom Packers & Anchor
Total Tool Length:	150.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53132

DST#: 2

ATTN: Kent Chrisler

Test Start: 2013.07.12 @ 07:28:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	m 100% mud	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

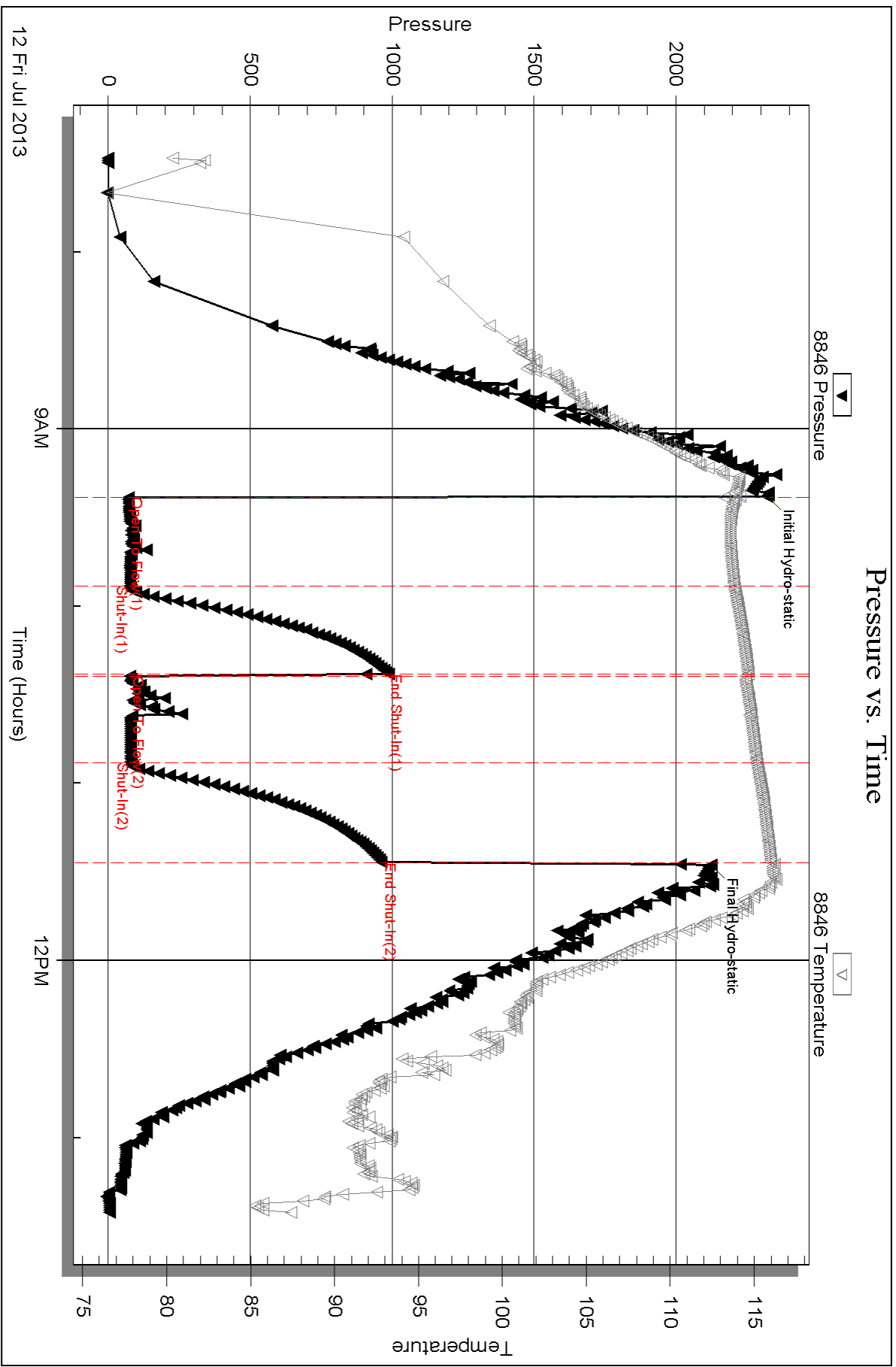
Num Gas Bombs: 0

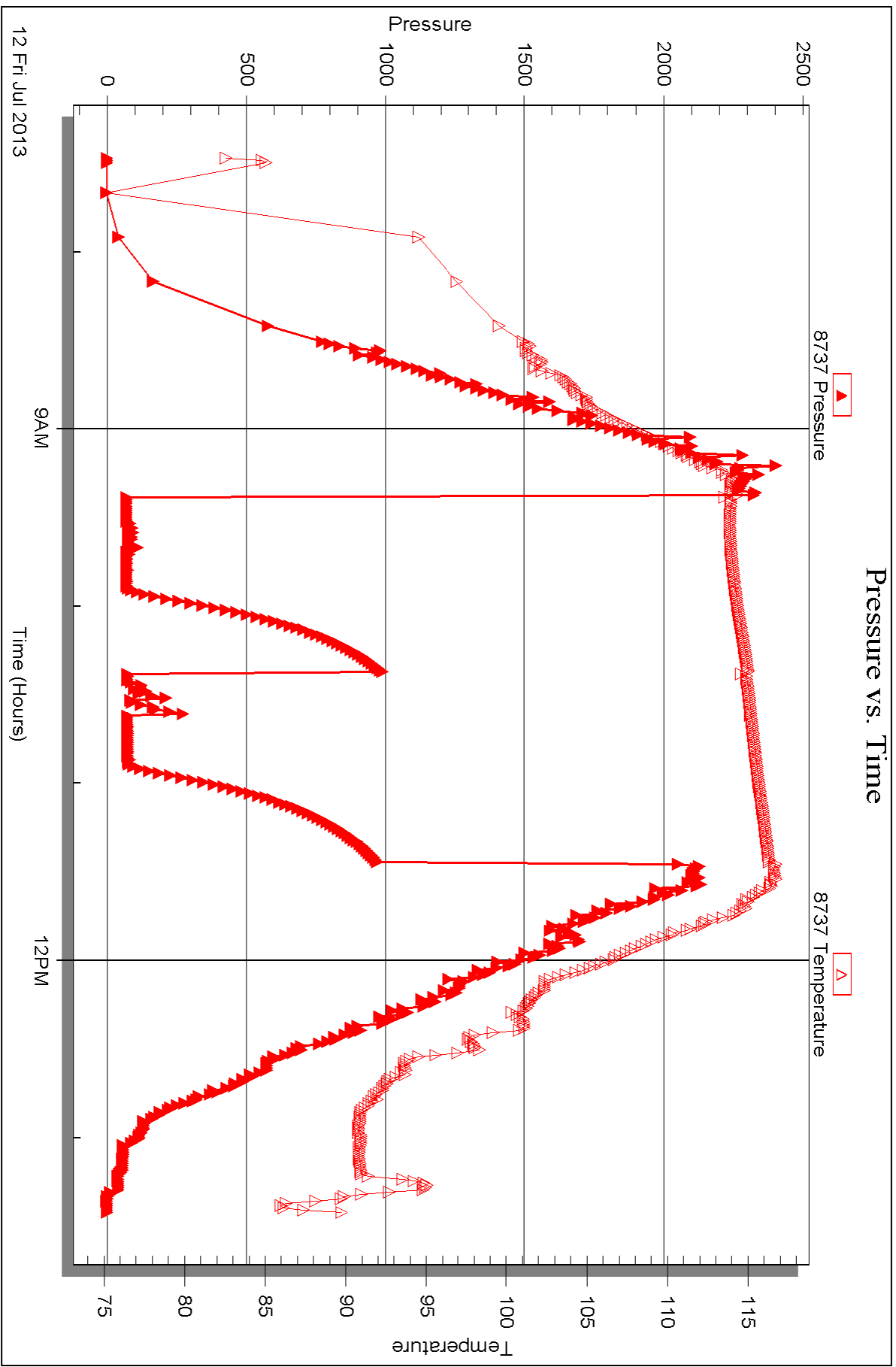
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, Inc.**

10209 W Central
STE 2 Wichita KS 67212

ATTN: Kent Chrisler

Pickett #1-7

17-20-34w Scott,KS

Start Date: 2013.07.12 @ 21:13:15

End Date: 2013.07.13 @ 02:46:30

Job Ticket #: 53133 DST #: 3

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

Printed: 2013.07.16 @ 09:01:38



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53133

DST#: 3

ATTN: Kent Chrisler

Test Start: 2013.07.12 @ 21:13:15

GENERAL INFORMATION:

Formation: **Beymer**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:58:30

Time Test Ended: 02:46:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4582.00 ft (KB) To 4611.00 ft (KB) (TVD)

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4611.00 ft (KB) (TVD)

3106.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8846 Outside

Press @ Run Depth: 25.82 psig @ 4583.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.12

End Date:

2013.07.13

Last Calib.: 2013.07.13

Start Time: 21:13:15

End Time:

02:46:30

Time On Btm: 2013.07.12 @ 22:58:15

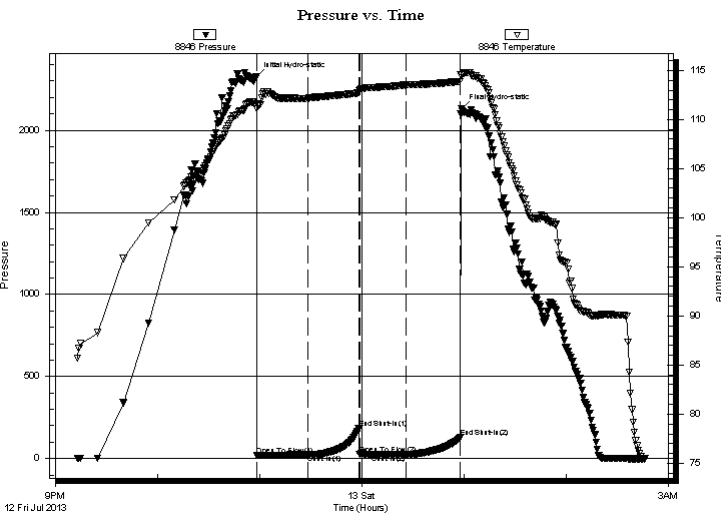
Time Off Btm: 2013.07.13 @ 00:58:45

TEST COMMENT: IF:Weak surface blow died in 5 min.

IS:No return blow

FF:No blow

FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2328.88	111.64	Initial Hydro-static
1	19.28	111.13	Open To Flow (1)
30	23.57	112.16	Shut-In(1)
60	182.81	112.71	End Shut-In(1)
61	27.38	112.93	Open To Flow (2)
88	25.82	113.53	Shut-In(2)
120	128.02	113.89	End Shut-In(2)
121	2130.70	114.60	Final Hydro-static

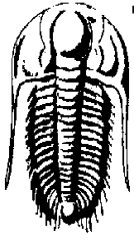
Recovery

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

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

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10209 W Central
STE 2 Wichita KS 67212

ATTN: Kent Chrisler

17-20-34w Scott, KS

Pickett #1-7

Job Ticket: 53133

DST#: 3

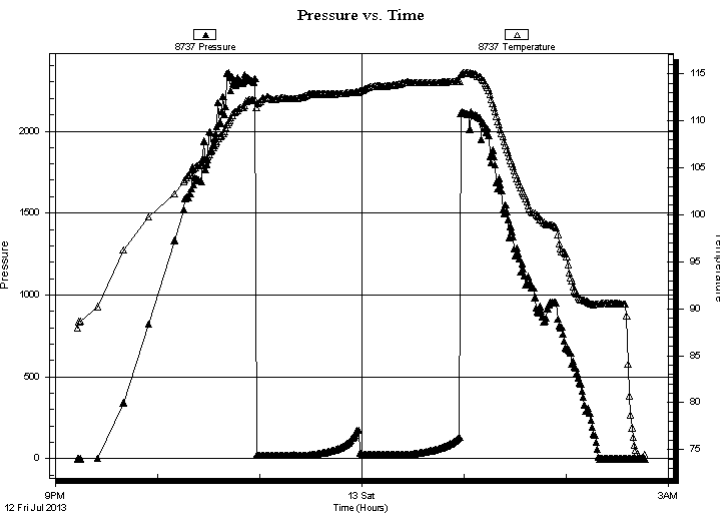
Test Start: 2013.07.12 @ 21:13:15

GENERAL INFORMATION:

Formation: **Beymer**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 22:58:30
 Time Test Ended: 02:46:30
 Interval: **4582.00 ft (KB) To 4611.00 ft (KB) (TVD)**
 Total Depth: 4611.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 3116.00 ft (KB)
 3106.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8737 Inside
 Press @ Run Depth: psig @ 4583.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.12 End Date: 2013.07.13 Last Calib.: 2013.07.13
 Start Time: 21:13:15 End Time: 02:46:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF: Weak surface blow died in 5 min.
 IS: No return blow
 FF: No blow
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53133

DST#: 3

ATTN: Kent Chrisler

Test Start: 2013.07.12 @ 21:13:15

Tool Information

Drill Pipe:	Length: 4566.00 ft	Diameter: 3.80 inches	Volume: 64.05 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 64.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	4582.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 7.88 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4555.00	
Shut In Tool	5.00			4560.00	
Hydraulic tool	5.00			4565.00	
Jars	5.00			4570.00	
Safety Joint	3.00			4573.00	
Packer	5.00			4578.00	28.00 Bottom Of Top Packer
Packer	4.00			4582.00	
Stubb	1.00			4583.00	
Recorder	0.00	8737	Inside	4583.00	
Recorder	0.00	8846	Outside	4583.00	
Perforations	23.00			4606.00	
Bullnose	5.00			4611.00	29.00 Bottom Packers & Anchor

Total Tool Length: 57.00



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FLUID SUMMARY

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53133

DST#: 3

ATTN: Kent Chrisler

Test Start: 2013.07.12 @ 21:13:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

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

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

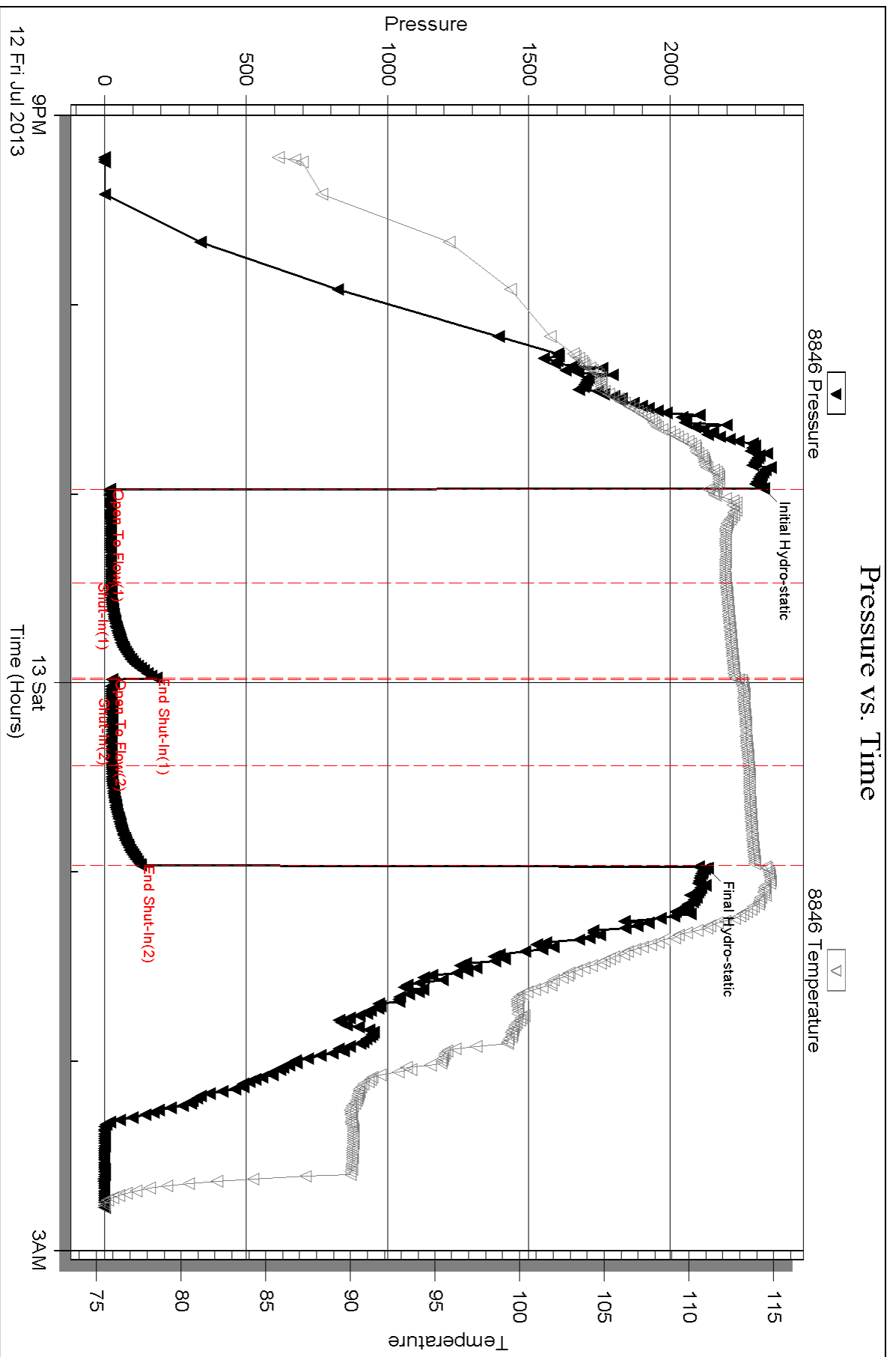
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



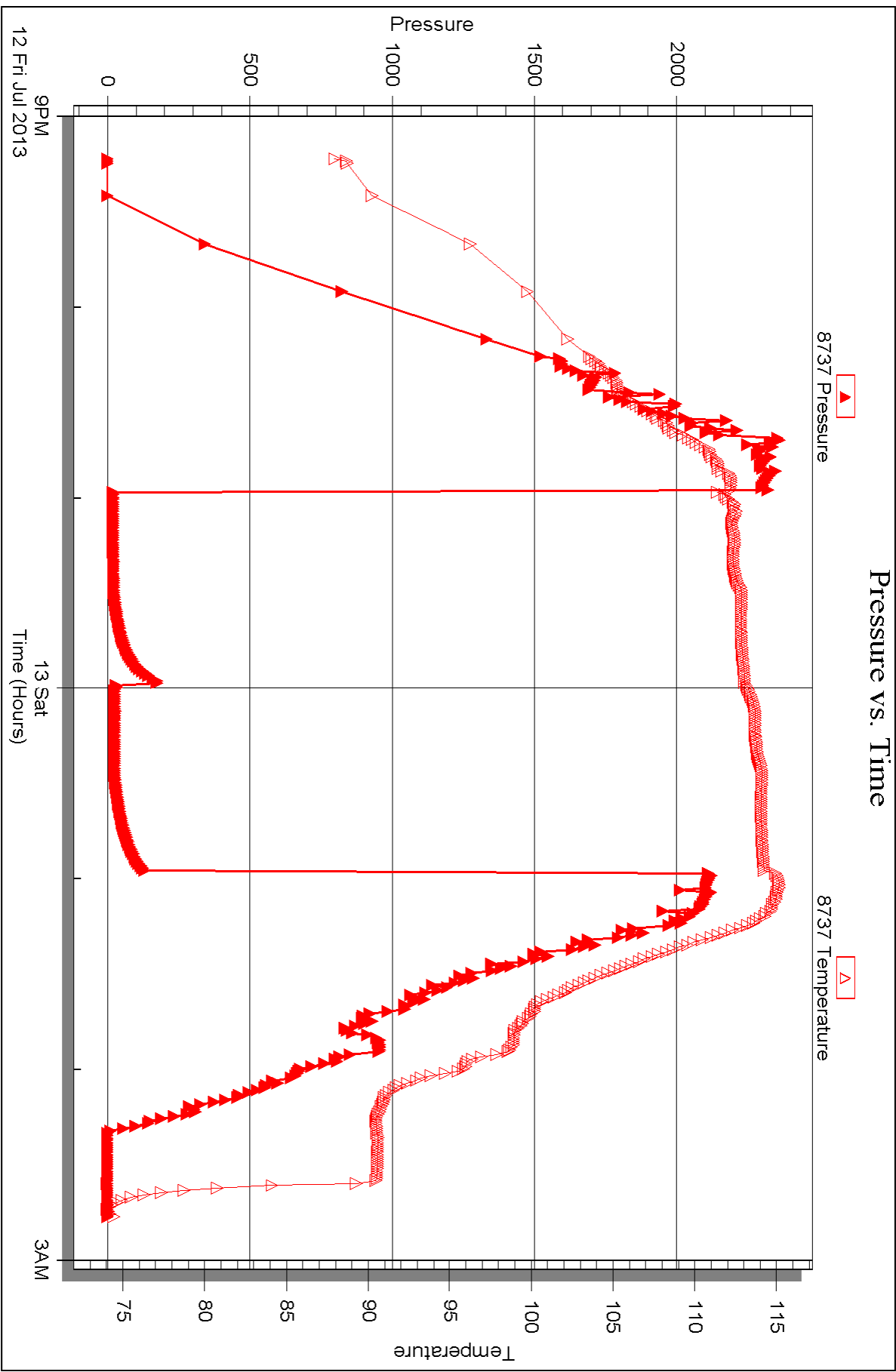
Serial #: 8737

Inside

Abercrombie Energy, Inc.

Pickett #1-7

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 53133

Printed: 2013.07.16 @ 09:01:41



DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy, Inc.**

10209 W Central
STE 2 Wichita KS 67212

ATTN: Kent Chrisler

Pickett #1-7

17-20-34w Scott,KS

Start Date: 2013.07.13 @ 11:23:15

End Date: 2013.07.13 @ 17:08:30

Job Ticket #: 53134 DST #: 4

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

Printed: 2013.07.16 @ 09:00:50



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

ATTN: Kent Chrisler

Job Ticket: 53134

DST#: 4

Test Start: 2013.07.13 @ 11:23:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:31:00

Time Test Ended: 17:08:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: 4605.00 ft (KB) To 4632.00 ft (KB) (TVD)

Reference Elevations: 3116.00 ft (KB)

Total Depth: 4632.00 ft (KB) (TVD)

3106.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8846 Outside

Press @ Run Depth: 22.95 psig @ 4606.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.13

End Date:

2013.07.13

Last Calib.: 2013.07.13

Start Time: 11:23:15

End Time:

17:08:30

Time On Btm: 2013.07.13 @ 13:30:30

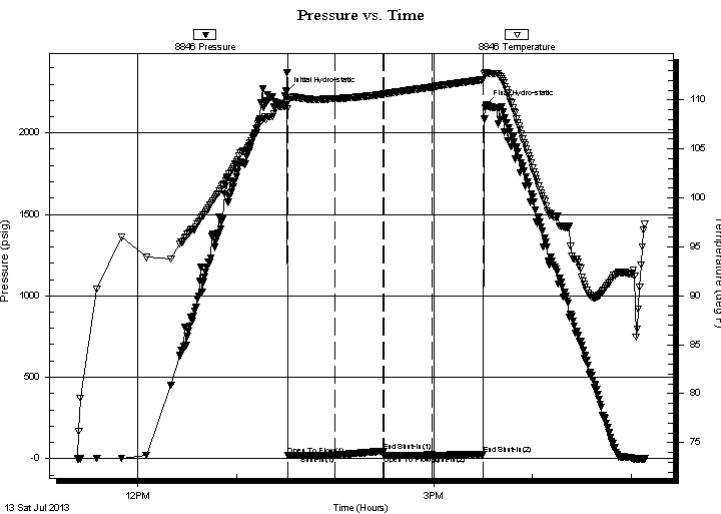
Time Off Btm: 2013.07.13 @ 15:32:00

TEST COMMENT: IF:Weak surface blow died in 20 min.

IS:No return blow

FF:No blow

FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2252.29	109.73	Initial Hydro-static
1	19.04	109.12	Open To Flow (1)
30	19.45	110.14	Shut-In(1)
59	46.48	110.59	End Shut-In(1)
60	20.14	110.59	Open To Flow (2)
89	22.95	111.32	Shut-In(2)
120	27.04	112.08	End Shut-In(2)
122	2173.89	112.77	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
10.00	mud w ith oil spots	0.14

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53134

DST#: 4

ATTN: Kent Chrisler

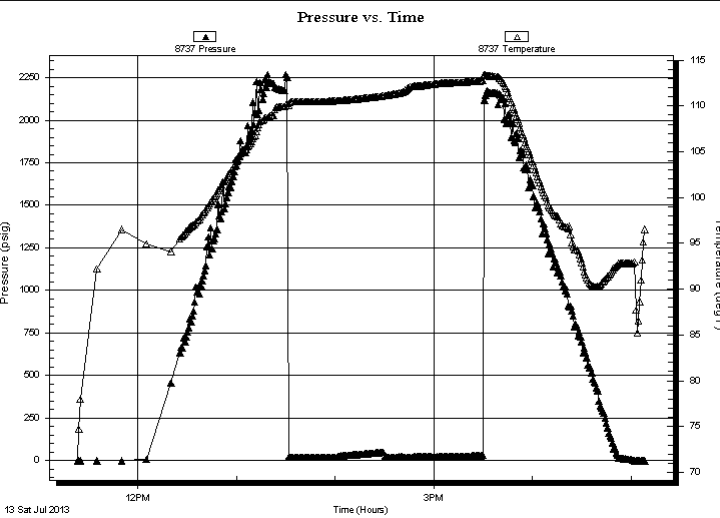
Test Start: 2013.07.13 @ 11:23:15

GENERAL INFORMATION:

Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 13:31:00
 Tester: Mike Roberts
 Time Test Ended: 17:08:30
 Unit No: 65
Interval: 4605.00 ft (KB) To 4632.00 ft (KB) (TVD)
 Reference Elevations: 3116.00 ft (KB)
 Total Depth: 4632.00 ft (KB) (TVD)
 3106.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 10.00 ft

Serial #: 8737 Inside
 Press @ Run Depth: psig @ 4606.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.13 End Date: 2013.07.13 Last Calib.: 2013.07.13
 Start Time: 11:23:15 End Time: 17:08:45 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF:Weak surface blow died in 20 min.
 IS:No return blow
 FF:No blow
 FS:No return blow



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	mud w ith oil spots	0.14

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53134

DST#: 4

ATTN: Kent Chrisler

Test Start: 2013.07.13 @ 11:23:15

Tool Information

Drill Pipe:	Length: 4596.00 ft	Diameter: 3.80 inches	Volume: 64.47 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 64.47 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4605.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 7.88 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4578.00	
Shut In Tool	5.00			4583.00	
Hydraulic tool	5.00			4588.00	
Jars	5.00			4593.00	
Safety Joint	3.00			4596.00	
Packer	5.00			4601.00	28.00 Bottom Of Top Packer
Packer	4.00			4605.00	
Stubb	1.00			4606.00	
Recorder	0.00	8737	Inside	4606.00	
Recorder	0.00	8846	Outside	4606.00	
Perforations	21.00			4627.00	
Bullnose	5.00			4632.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy, Inc.

17-20-34w Scott,KS

10209 W Central
STE 2 Wichita KS 67212

Pickett #1-7

Job Ticket: 53134

DST#: 4

ATTN: Kent Chrisler

Test Start: 2013.07.13 @ 11:23:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith oil spots	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

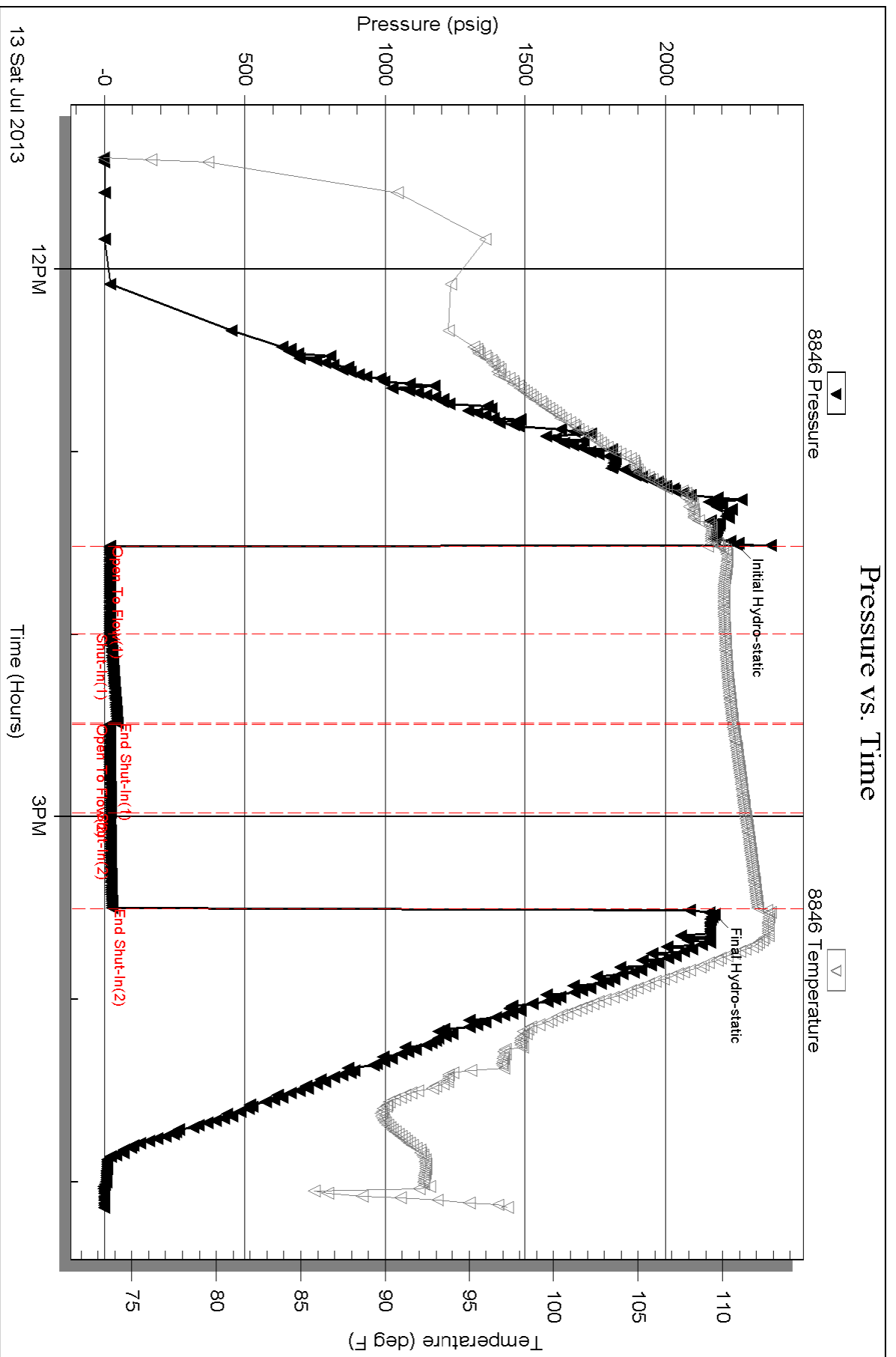
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



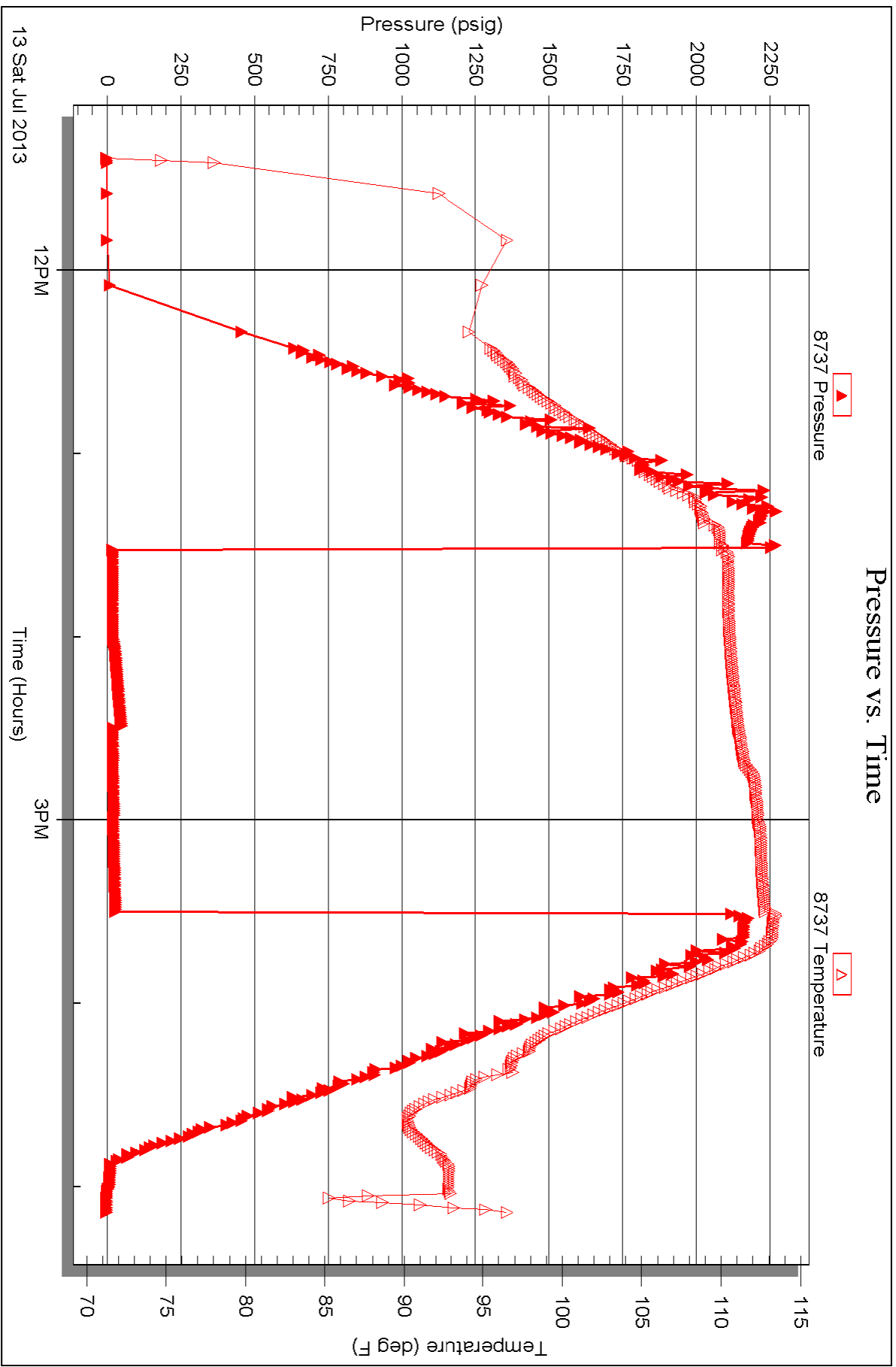
Serial #: 8737

Inside

Abercrombie Energy, Inc.

Pickett #1-7

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53131

Well Name & No. <u>Pickett 1-7</u>	Test No. <u>1</u>	Date <u>7-10-13</u>
Company <u>Abercrombie Energy Inc</u>	Elevation <u>3116</u>	KB <u>3106</u> GL
Address <u>10209 W Central Ste 2 Wichita KS 67212</u>		
Co. Rep / Geo. <u>Kent Chrisler</u>	Rig <u>Val 7</u>	
Location: Sec. <u>17</u> Twp. <u>20</u> Rge. <u>34W</u> Co. <u>Scott</u> State <u>KS</u>		

Interval Tested <u>4218-4281</u>	Zone Tested <u>H-1</u>	
Anchor Length <u>63</u>	Drill Pipe Run <u>4212</u>	Mud Wt <u>9.2</u>
Top Packer Depth <u>4214</u>	Drill Collars Run <u>Ø</u>	Vis <u>47</u>
Bottom Packer Depth <u>4218</u>	Wt. Pipe Run <u>Ø</u>	WL <u>8.8</u>
Total Depth <u>4281</u>	Chlorides <u>3000</u> ppm System	LCM <u>12# Spotted Pill</u>
Blow Description <u>IF: BOB in 15 seconds</u>		
<u>IS: No Return Blow</u>		
<u>FF: Boilt to 5" Blow</u>		
<u>FS: No Return Blow</u>		

Rec	Feet of	%gas	%oil	%water	%mud
<u>930</u>	<u>MUD</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 <u>930</u> BHT <u>115</u>	Gravity <u>—</u> API RW <u>—</u> @ <u>—</u> ° F Chlorides <u>—</u> ppm	
(A) Initial Hydrostatic <u>2173</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>19:00</u>
(B) First Initial Flow <u>916</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>20:24</u>
(C) First Final Flow <u>976</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>22:27</u>
(D) Initial Shut-In <u>1155</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>00:27</u>
(E) Second Initial Flow <u>978</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>02:45</u>
(F) Second Final Flow <u>1155</u>	<input checked="" type="checkbox"/> Mileage <u>45 RT</u> 69.75	Comments
(G) Final Shut-In <u>1160</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1902</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1644.75</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1644.75</u>	

Approved By Kent Chrisler Our Representative Mike Robert

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. 53132

Well Name & No. <u>Pickett 1-7</u>	Test No. <u>2</u>	Date <u>7-12-13</u>
Company <u>Abercrombie Energy Inc</u>	Elevation <u>3116</u>	KB <u>3106</u> GL
Address <u>10209 W. Central Ste 2 Wichita KS 67212</u>		
Co. Rep / Geo. <u>Kent Christler</u>	Rig <u>Val #7</u>	
Location: Sec. <u>17</u> Twp. <u>20</u> Rge. <u>34W</u> Co. <u>Scott</u> State <u>KS</u>		

Interval Tested <u>4466-4587</u>	Zone Tested <u>Marmaton</u>
Anchor Length <u>121</u>	Drill Pipe Run <u>4469</u> Mud Wt <u>9.1</u>
Top Packer Depth <u>4462</u>	Drill Collars Run <u>0</u> Vis <u>50</u>
Bottom Packer Depth <u>4466</u>	Wt. Pipe Run <u>0</u> WL <u>10.4</u>
Total Depth <u>4587</u>	Chlorides <u>6000</u> ppm System LCM <u>10</u>

Blow Description IF: Weak Surface Blow Died in 13 min
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>MUD</u>			<u>100</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 <u>30</u>	BHT <u>117</u>	Gravity <u>—</u>	API RW <u>—</u>	@ <u>—</u>	°F Chlorides <u>—</u>	ppm
(A) Initial Hydrostatic <u>2322</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>07:00</u>				
(B) First Initial Flow <u>71</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>07:28</u>				
(C) First Final Flow <u>76</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>09:22</u>				
(D) Initial Shut-In <u>985</u>	<input checked="" type="checkbox"/> Circ Sub <u>NL</u>	T-Pulled <u>11:22</u>				
(E) Second Initial Flow <u>76</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>13:25</u>				
(F) Second Final Flow <u>78</u>	<input checked="" type="checkbox"/> Mileage <u>45RT</u> 69.75	Comments				
(G) Final Shut-In <u>962</u>	<input type="checkbox"/> Sampler					
(H) Final Hydrostatic <u>2124</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer				

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1644.75</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1644.75</u>	

Approved By Kent Christler Our Representative Mike Rolt

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53133

Well Name & No. <u>Pickett 1-7</u>	Test No. <u>3</u>	Date <u>7-12-13</u>
Company <u>Abercrombie Energy Inc.</u>	Elevation <u>3116</u>	KB <u>3106</u> GL
Address <u>10209 W. Central Ste. 2 Wichita KS 67212</u>		
Co. Rep / Geo. <u>Kent Christer</u>	Rig <u>Val #7</u>	
Location: Sec. <u>17</u> Twp. <u>20</u> Rge. <u>34W</u> Co. <u>SCOTT</u>	State <u>KS</u>	

Interval Tested <u>4582-4611</u>	Zone Tested <u>Beymer</u>
Anchor Length <u>29'</u>	Drill Pipe Run <u>4566</u> Mud Wt <u>9.0</u>
Top Packer Depth <u>4578</u>	Drill Collars Run <u>Ø</u> Vis <u>50</u>
Bottom Packer Depth <u>4582</u>	Wt. Pipe Run <u>Ø</u> WL <u>8.0</u>
Total Depth <u>4611</u>	Chlorides <u>4200</u> ppm System LCM <u>8</u>

Blow Description IF: Weak Surface Blow Died in 5 Min
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>MUD with oil spots</u>			<u>100</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 115 Gravity — API RW — @ — F Chlorides — ppm

(A) Initial Hydrostatic <u>2328</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>20:20</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>21:13</u>
(C) First Final Flow <u>23</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>22:58</u>
(D) Initial Shut-In <u>182</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>00:58</u>
(E) Second Initial Flow <u>27</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>02:46</u>
(F) Second Final Flow <u>25</u>	<input checked="" type="checkbox"/> Mileage <u>45 RT</u> 69.75	Comments
(G) Final Shut-In <u>128</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2130</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1644.75</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't

Sub Total 1644.75

Approved By Kent Christer Our Representative Mike Robert

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53134

Well Name & No. <u>Pickett 1-7</u>	Test No. <u>4</u>	Date <u>7-13-13</u>
Company <u>Abercrombie Energy Inc.</u>	Elevation <u>3116</u>	KB <u>3106</u> GL
Address <u>10209 W. Central Ste 2 Wichita KS 67212</u>		
Co. Rep / Geo. <u>Kent Christer</u>	Rig <u>Val 7</u>	
Location: Sec. <u>17</u> Twp. <u>20</u> Rge. <u>34W</u> Co. <u>SCOTT</u> State <u>KS</u>		

Interval Tested <u>4605-4632</u>	Zone Tested <u>Johnson</u>
Anchor Length <u>27</u>	Drill Pipe Run <u>4596</u> Mud Wt. <u>9.2</u>
Top Packer Depth <u>4601</u>	Drill Collars Run <u>0</u> Vis <u>50</u>
Bottom Packer Depth <u>4605</u>	Wt. Pipe Run <u>0</u> WL <u>10.8</u>
Total Depth <u>4632</u>	Chlorides <u>7000</u> ppm System LCM <u>8</u>

Blow Description IF! Weak Surface Blow Dried in 20 Min.
IS! No Return Blow
FF! No Blow
FS! No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MUD with oil spots</u>			<u>100</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 10 BHT 115 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>10:45</u>
(B) First Initial Flow	<input checked="" type="checkbox"/> Jars 250	T-Started <u>11:23</u>
(C) First Final Flow	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>13:30</u>
(D) Initial Shut-In	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>15:30</u>
(E) Second Initial Flow	<input type="checkbox"/> Hourly Standby	T-Out <u>17:08</u>
(F) Second Final Flow	<input checked="" type="checkbox"/> Mileage <u>45 RT</u> 69.75	Comments
(G) Final Shut-In	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1644.75</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc t
	Sub Total <u>1644.75</u>	

Approved By Kent Christer Our Representative Mike Roberts

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