



DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy Inc.**

10209 W Central STE 2
Wichita KS 67212

ATTN: Grant Gaylon

Christy Farms #1-22

22-16s-32w Scott,KS

Start Date: 2016.08.24 @ 21:16:15

End Date: 2016.08.25 @ 04:50:15

Job Ticket #: 65602 DST #: 1

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

Printed: 2016.08.29 @ 09:49:06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Abercrombie Energy Inc.

22-16s-32w Scott,KS

10209 W Central STE 2
Wichita KS 67212

Christy Farms #1-22

Job Ticket: 65602

DST#: 1

ATTN: Grant Gaylor

Test Start: 2016.08.24 @ 21:16:15

GENERAL INFORMATION:

Formation: **LKC L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:06:15

Time Test Ended: 04:50:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4309.00 ft (KB) To 4345.00 ft (KB) (TVD)

Reference Elevations: 2988.00 ft (KB)

Total Depth: 4345.00 ft (KB) (TVD)

2983.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6751 Outside

Press@RunDepth: 815.34 psig @ 4310.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.24

End Date:

2016.08.25

Last Calib.:

2016.08.25

Start Time: 21:16:15

End Time:

04:50:15

Time On Btm:

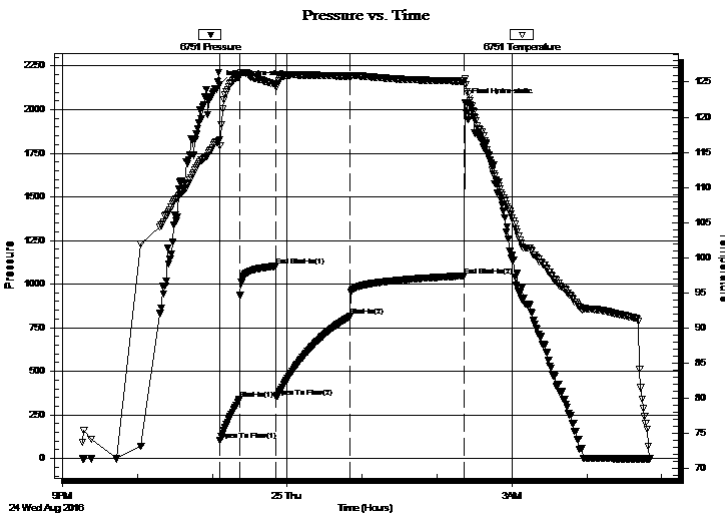
2016.08.24 @ 23:06:00

Time Off Btm:

2016.08.25 @ 02:22:15

TEST COMMENT: IF:BOB in 3 min.
IS:No return blow
FF:BOB in 4 min.
FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2144.07	116.80	Initial Hydro-static
1	105.37	115.89	Open To Flow (1)
16	338.34	125.75	Shut-In(1)
45	1102.89	124.73	End Shut-In(1)
46	353.85	124.31	Open To Flow (2)
105	815.34	125.84	Shut-In(2)
196	1046.58	125.15	End Shut-In(2)
197	2041.54	125.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
803.00	mcow 2% m 5% o 93% w (2 Collars)	10.16
898.00	ocmw 5% o 40% m 55% w	12.60

Gas Rates

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



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Christy Farms #1-22

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Total Depth: 4345.00 ft (KB) (TVD)

2983.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8672 Inside

Press@RunDepth: psig @ 4310.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.24

End Date:

2016.08.25

Last Calib.:

2016.08.25

Start Time: 21:16:15

End Time:

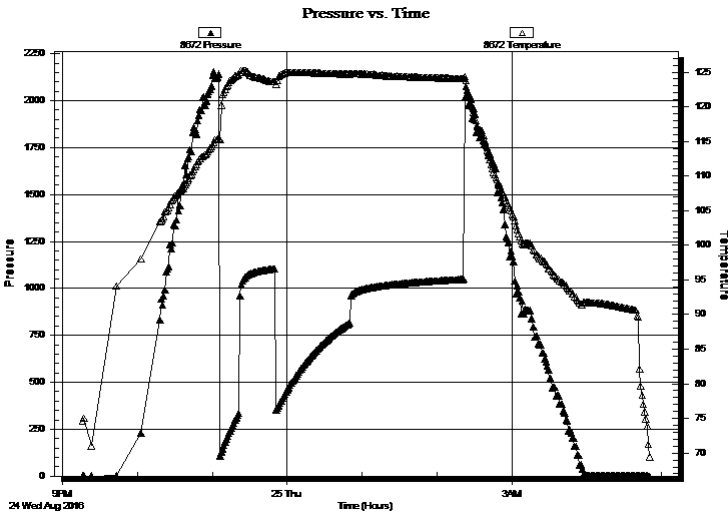
04:50:15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:BOB in 3 min.
IS:No return blow
FF:BOB in 4 min.
FS:No return blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
803.00	mcow 2% m 5% o 93% w (2 Collars)	10.16
898.00	ocmw 5% o 40% m 55% w	12.60

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Abercrombie Energy Inc.

22-16s-32w Scott,KS

10209 W Central STE 2
Wichita KS 67212

Christy Farms #1-22

Job Ticket: 65602

DST#: 1

ATTN: Grant Gaylor

Test Start: 2016.08.24 @ 21:16:15

Tool Information

Drill Pipe:	Length: 4169.00 ft	Diameter: 3.80 inches	Volume: 58.48 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	85000.00 lb
			<u>Total Volume: 59.08 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4309.00 ft			Final	71000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	64.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Change Over Sub	1.00			4282.00	
Shut In Tool	5.00			4287.00	
Hydraulic tool	5.00			4292.00	
Jars	5.00			4297.00	
Safety Joint	3.00			4300.00	
Packer	5.00			4305.00	28.00 Bottom Of Top Packer
Packer	4.00			4309.00	
Stubb	1.00			4310.00	
Recorder	0.00	8672	Inside	4310.00	
Recorder	0.00	6751	Outside	4310.00	
Perforations	30.00			4340.00	
Bullnose	5.00			4345.00	36.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy Inc.

22-16s-32w Scott,KS

10209 W Central STE 2
Wichita KS 67212

Christy Farms #1-22

Job Ticket: 65602

DST#: 1

ATTN: Grant Gaylor

Test Start: 2016.08.24 @ 21:16:15

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:

15000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
803.00	mcow 2% _m 5% _o 93% _w (2 Collars)	10.162
898.00	ocmw 5% _o 40% _m 55% _w	12.597

Total Length: 1701.00 ft Total Volume: 22.759 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .521@58.3*= 15,000 ppm

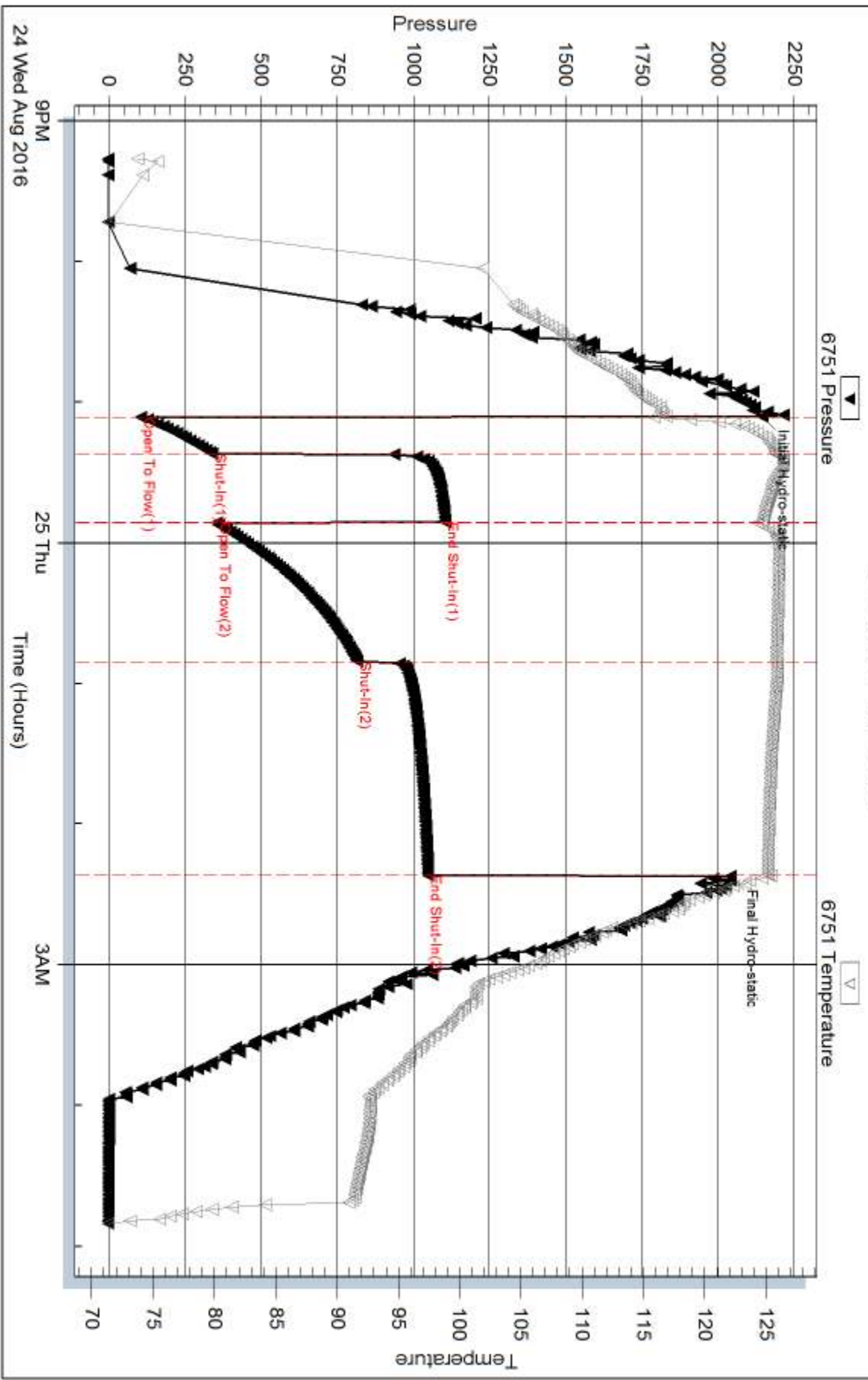
Serial #: 6751

Outside Abercrombie Energy Inc.

Christy Farms #1-22

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 65602

Printed: 2016.08.29 @ 09:49:08

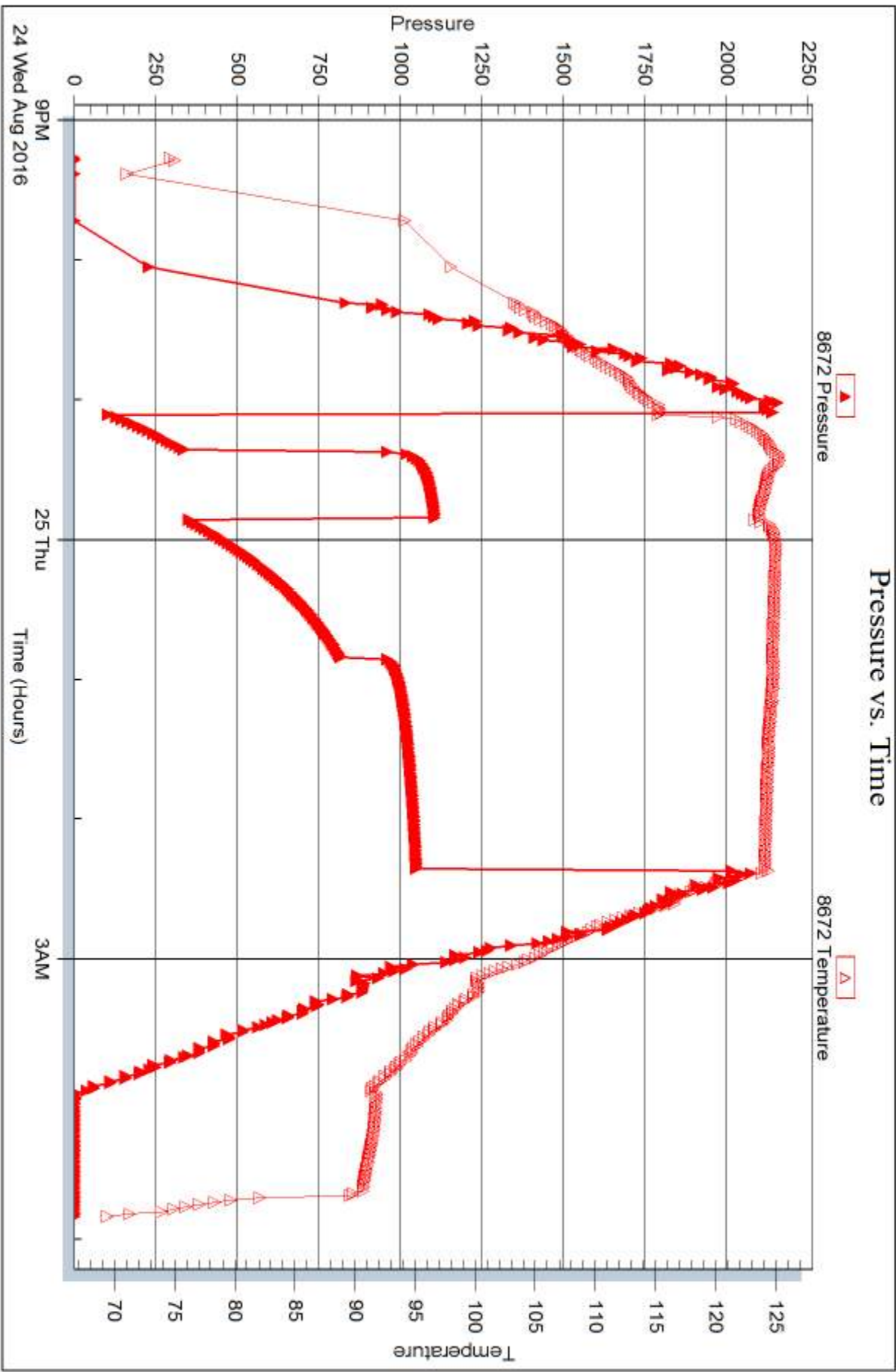
Serial #: 8672

Inside

Abercrombie Energy Inc.

Christy Farms #1-22

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 65602

Printed: 2016.08.29 @ 09:49:08



DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy Inc.**

10209 W Central STE 2
Wichita KS 67212

ATTN: Grant Gaylon

Christy Farms #1-22

22-16s-32w Scott,KS

Start Date: 2016.08.25 @ 19:41:15

End Date: 2016.08.26 @ 03:13:45

Job Ticket #: 65603 DST #: 2

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

Printed: 2016.08.29 @ 09:48:45



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Abercrombie Energy Inc.

22-16s-32w Scott,KS

10209 W Central STE 2
Wichita KS 67212

Christy Farms #1-22

Job Ticket: 65603

DST#: 2

ATTN: Grant Gaylor

Test Start: 2016.08.25 @ 19:41:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:22:45

Time Test Ended: 03:13:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4392.00 ft (KB) To 4473.00 ft (KB) (TVD)

Reference Elevations: 2988.00 ft (KB)

Total Depth: 4473.00 ft (KB) (TVD)

2983.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6751 Outside

Press@RunDepth: 263.74 psig @ 4459.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.25

End Date:

2016.08.26

Last Calib.:

2016.08.26

Start Time: 19:41:15

End Time:

03:13:45

Time On Btm:

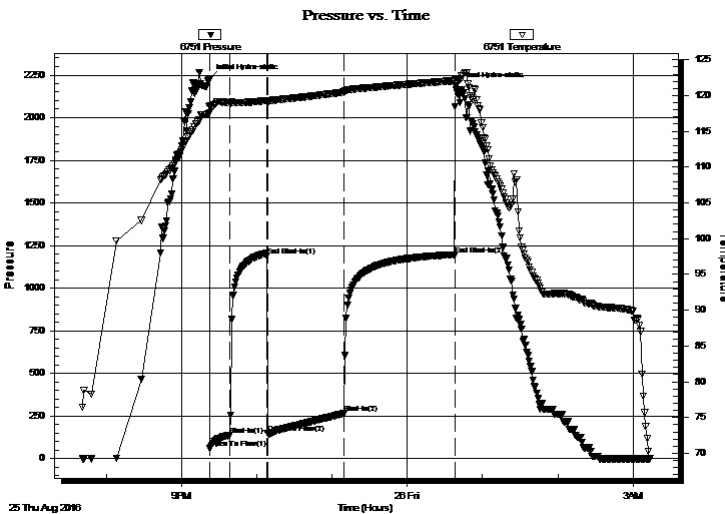
2016.08.25 @ 21:22:30

Time Off Btm:

2016.08.26 @ 00:38:45

TEST COMMENT: IF:BOB in 14 min.
IS:Return blow built to 1/4" blow and died in 22 min.
FF:BOB in 13 min.
FS:Return blow built to 1" blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2227.29	118.58	Initial Hydro-static
1	59.85	117.59	Open To Flow (1)
16	134.98	118.93	Shut-In(1)
46	1189.94	119.29	End Shut-In(1)
46	147.54	118.93	Open To Flow (2)
107	263.74	120.45	Shut-In(2)
196	1197.05	122.08	End Shut-In(2)
197	2183.32	122.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.50	ocgm 5%o 25%g 70%m	0.30
60.50	ocmg 12%o 30%m 58%g	0.30
124.00	gcmo 18%g 30%m 52%o	1.74
62.00	gcom 10%g 30%o 60%m	0.87
216.00	mcgo 2%m 28%g 70%o	3.03

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Abercrombie Energy Inc.

22-16s-32w Scott, KS

10209 W Central STE 2
Wichita KS 67212

Christy Farms #1-22

Job Ticket: 65603

DST#: 2

ATTN: Grant Gaylor

Test Start: 2016.08.25 @ 19:41:15

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:22:45

Time Test Ended: 03:13:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: **4392.00 ft (KB) To 4473.00 ft (KB) (TVD)**

Reference Elevations: 2988.00 ft (KB)

Total Depth: 4473.00 ft (KB) (TVD)

2983.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8672 Inside

Press@RunDepth: psig @ 4459.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.25

End Date:

2016.08.26

Last Calib.:

2016.08.26

Start Time: 19:41:15

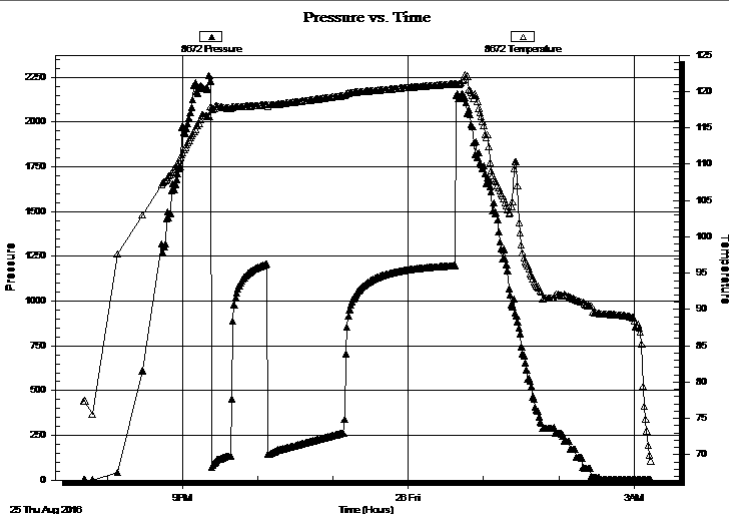
End Time:

03:13:30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF:BOB in 14 min.
 IS:Return blow built to 1/4" blow and died in 22 min.
 FF:BOB in 13 min.
 FS:Return blow built to 1" blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.50	ocgm 5%o 25%g 70%m	0.30
60.50	ocmg 12%o 30%m 58%g	0.30
124.00	gcmo 18%g 30%m 52%o	1.74
62.00	gcom 10%g 30%o 60%m	0.87
216.00	mcco 2%m 28%g 70%o	3.03

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.

22-16s-32w Scott,KS

10209 W Central STE 2
Wichita KS 67212

Christy Farms #1-22

Job Ticket: 65603

DST#: 2

ATTN: Grant Gaylor

Test Start: 2016.08.25 @ 19:41:15

Tool Information

Drill Pipe:	Length: 4263.00 ft	Diameter: 3.80 inches	Volume: 59.80 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 60.40 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4392.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	81.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4365.00	
Shut In Tool	5.00			4370.00	
Hydraulic tool	5.00			4375.00	
Jars	5.00			4380.00	
Safety Joint	3.00			4383.00	
Packer	5.00			4388.00	28.00 Bottom Of Top Packer
Packer	4.00			4392.00	
Stubb	1.00			4393.00	
Perforations	1.00			4394.00	
Change Over Sub	1.00			4395.00	
Drill Pipe	63.00			4458.00	
Change Over Sub	1.00			4459.00	
Recorder	0.00	8672	Inside	4459.00	
Recorder	0.00	6751	Outside	4459.00	
Perforations	9.00			4468.00	
Bullnose	5.00			4473.00	81.00 Bottom Packers & Anchor
Total Tool Length:	109.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy Inc.

22-16s-32w Scott,KS

10209 W Central STE 2
Wichita KS 67212

Christy Farms #1-22

Job Ticket: 65603

DST#: 2

ATTN: Grant Gaylon

Test Start: 2016.08.25 @ 19:41:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

26 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.50	ocgm 5%o 25%g 70%m	0.298
60.50	ocmg 12%o 30%m 58%g	0.298
124.00	gcmo 18%g 30%m 52%o	1.739
62.00	gcom 10%g 30%o 60%m	0.870
216.00	mcgo 2%m 28%g 70%o	3.030

Total Length: 523.00 ft

Total Volume: 6.235 bbl

Num Fluid Samples: 0

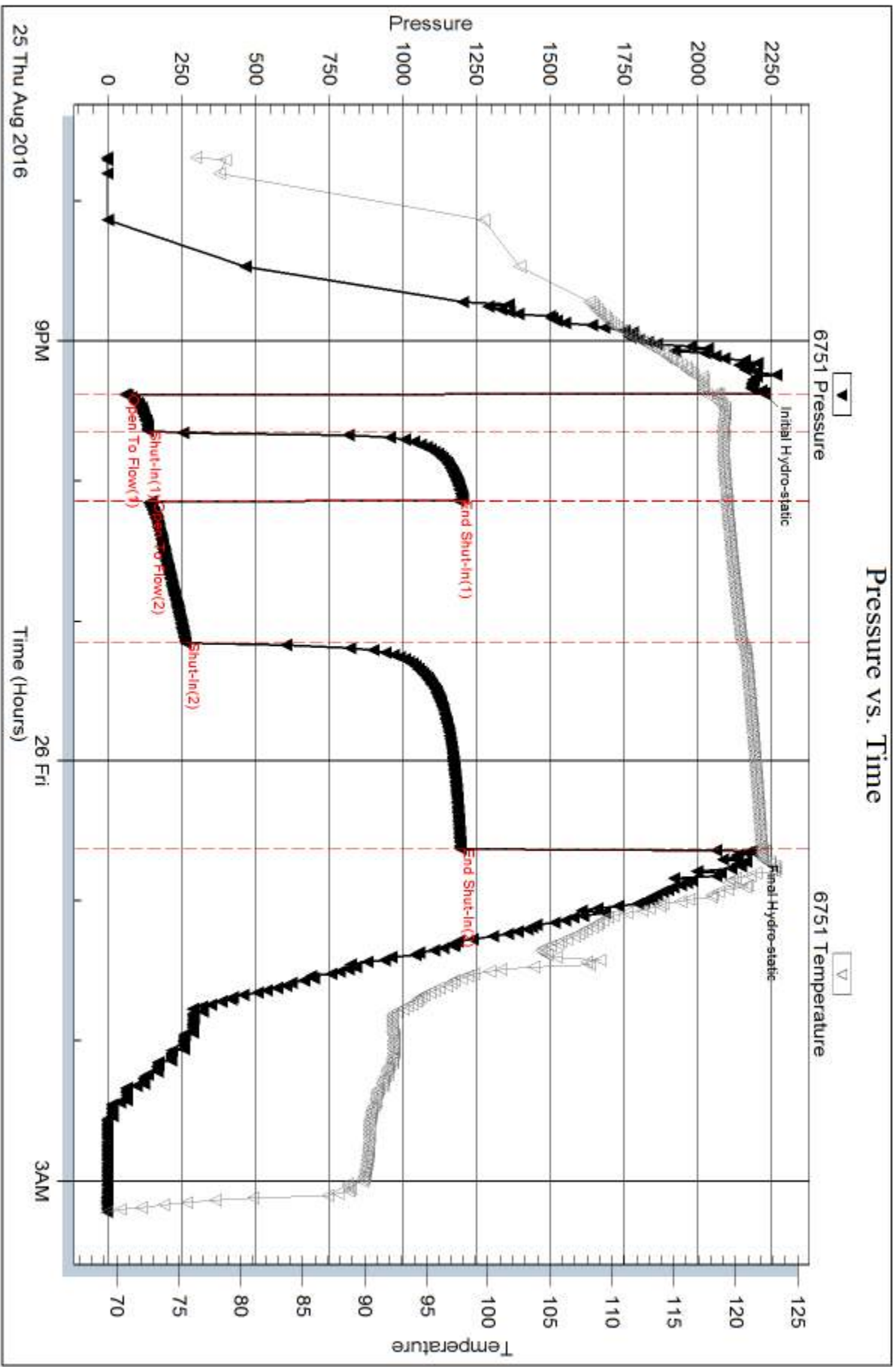
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



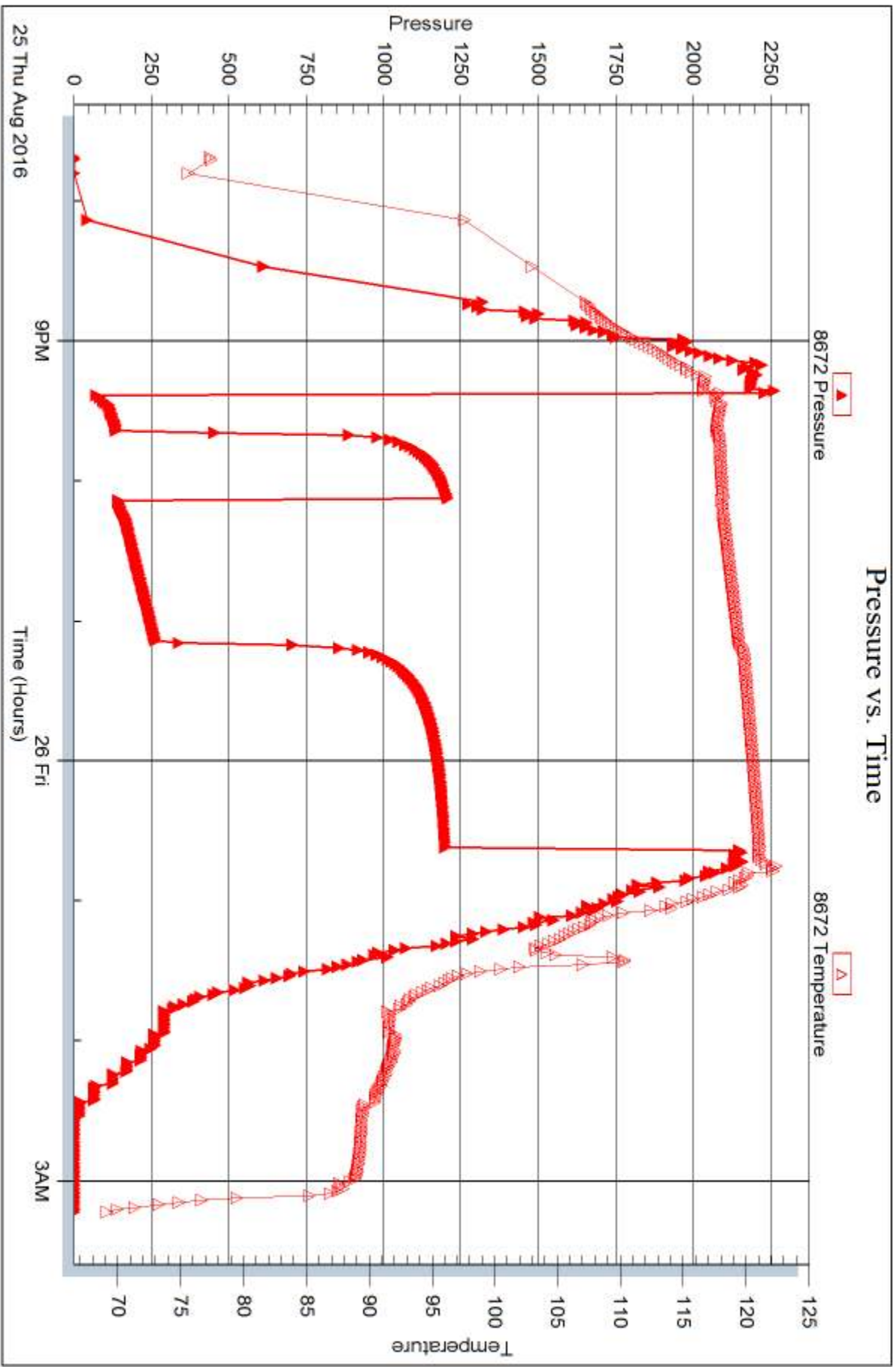
Serial #: 8672

Inside

Abercrombie Energy Inc.

Christy Farms #1-22

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65603

Printed: 2016.08.29 @ 09:48:46



DRILL STEM TEST REPORT

Prepared For: **Abercrombie Energy Inc.**

10209 W Central STE 2
Wichita KS 67212

ATTN: Grant Gaylon

Christy Farms #1-22

22-16s-32w Scott,KS

Start Date: 2016.08.26 @ 22:00:15

End Date: 2016.08.27 @ 04:41:00

Job Ticket #: 65604 DST #: 3

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

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Abercrombie Energy Inc.

22-16s-32w Scott,KS

10209 W Central STE 2
Wichita KS 67212

Christy Farms #1-22

Job Ticket: 65604

DST#: 3

ATTN: Grant Gaylor

Test Start: 2016.08.26 @ 22:00:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:05:30

Time Test Ended: 04:41:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4571.00 ft (KB) To 4627.00 ft (KB) (TVD)

Reference Elevations: 2988.00 ft (KB)

Total Depth: 4627.00 ft (KB) (TVD)

2983.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6751 Outside

Press@RunDepth: 35.49 psig @ 4607.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.26

End Date:

2016.08.27

Last Calib.:

2016.08.27

Start Time: 22:00:15

End Time:

04:41:00

Time On Btm:

2016.08.27 @ 00:05:15

Time Off Btm:

2016.08.27 @ 01:53:00

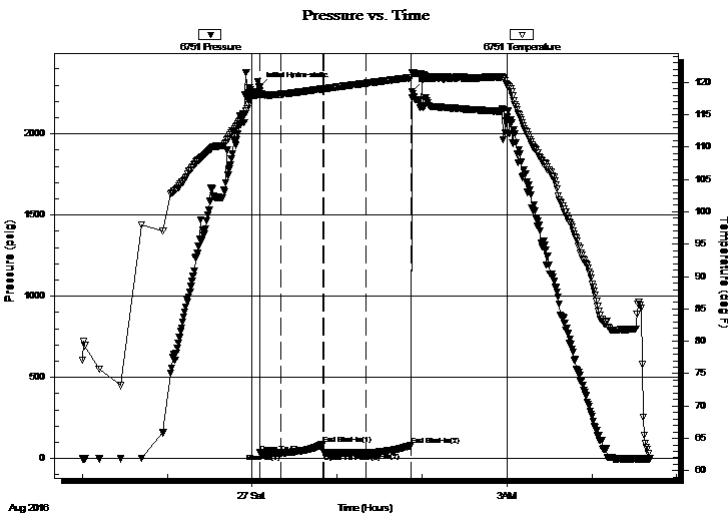
TEST COMMENT: IF:Weak surfae blow died in 8 min.

IS:No return blow

FF:No blow

FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2289.18	118.66	Initial Hydro-static
1	34.34	117.94	Open To Flow (1)
15	34.65	118.15	Shut-In(1)
45	88.06	119.00	End Shut-In(1)
46	34.90	118.99	Open To Flow (2)
75	35.49	119.84	Shut-In(2)
107	80.80	120.72	End Shut-In(2)
108	2260.51	121.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud w ith oil spots	0.01

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

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22-16s-32w Scott,KS

10209 W Central STE 2
Wichita KS 67212

Christy Farms #1-22

Job Ticket: 65604

DST#: 3

ATTN: Grant Gaylor

Test Start: 2016.08.26 @ 22:00:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:05:30

Time Test Ended: 04:41:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: **4571.00 ft (KB) To 4627.00 ft (KB) (TVD)**

Reference Elevations: 2988.00 ft (KB)

Total Depth: 4627.00 ft (KB) (TVD)

2983.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8672

Inside

Press@RunDepth: psig @ 4607.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.08.26

End Date: 2016.08.27

Last Calib.: 2016.08.27

Start Time: 22:00:15

End Time: 04:41:00

Time On Btm:

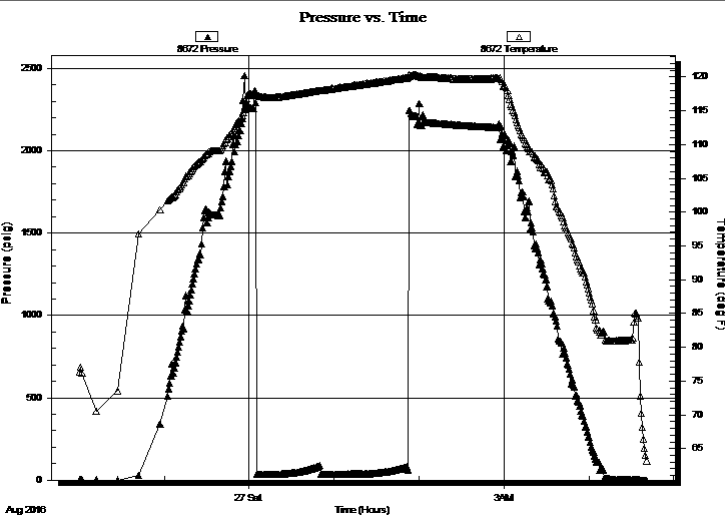
Time Off Btm:

TEST COMMENT: IF:Weak surfae blow died in 8 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)
2.00	mud w ith oil spots	0.01

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.

22-16s-32w Scott,KS

10209 W Central STE 2
Wichita KS 67212

Christy Farms #1-22

Job Ticket: 65604

DST#: 3

ATTN: Grant Gaylor

Test Start: 2016.08.26 @ 22:00:15

Tool Information

Drill Pipe:	Length: 4452.00 ft	Diameter: 3.80 inches	Volume: 62.45 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: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4571.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4544.00	
Shut In Tool	5.00			4549.00	
Hydraulic tool	5.00			4554.00	
Jars	5.00			4559.00	
Safety Joint	3.00			4562.00	
Packer	5.00			4567.00	28.00 Bottom Of Top Packer
Packer	4.00			4571.00	
Stubb	1.00			4572.00	
Perforations	1.00			4573.00	
Change Over Sub	1.00			4574.00	
Drill Pipe	32.00			4606.00	
Change Over Sub	1.00			4607.00	
Recorder	0.00	8672	Inside	4607.00	
Recorder	0.00	6751	Outside	4607.00	
Perforations	15.00			4622.00	
Bullnose	5.00			4627.00	56.00 Bottom Packers & Anchor
Total Tool Length:	84.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Abercrombie Energy Inc.

22-16s-32w Scott,KS

10209 W Central STE 2
Wichita KS 67212

Christy Farms #1-22

Job Ticket: 65604

DST#: 3

ATTN: Grant Gaylon

Test Start: 2016.08.26 @ 22:00:15

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud w ith oil spots	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

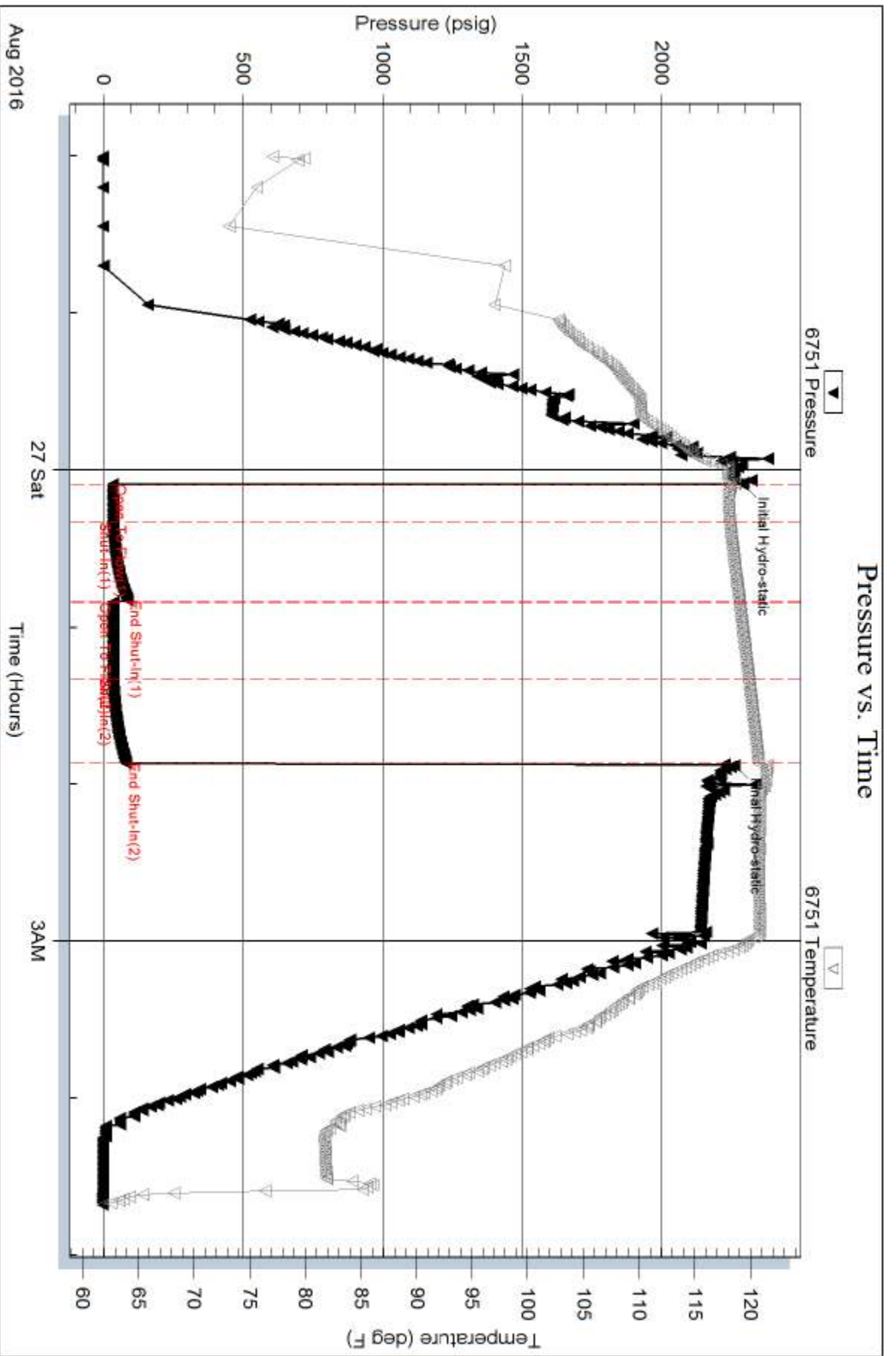
Num Gas Bombs: 0

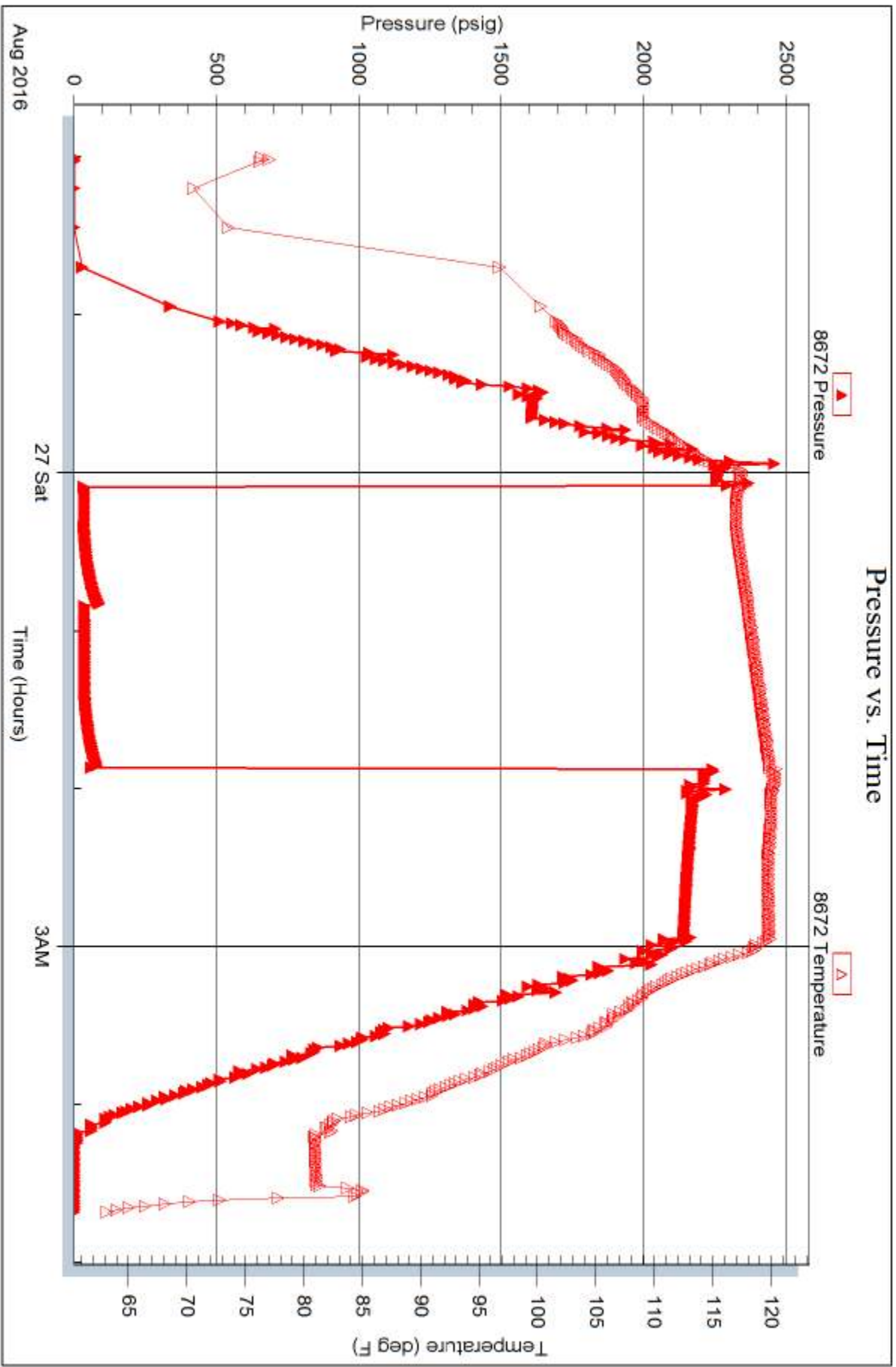
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65602**

Well Name & No. Christy Farms 1-22 Test No. 1 Date 8-24-16
 Company Abercrombie Energy Inc. Elevation 2988 KB 2983 GL
 Address 10209 W Central STE 2 Wichita KS 67212
 Co. Rep / Geo. Grant Gaylon Rig WW10
 Location: Sec. 22 Twp. 16S Rge. 32W Co. SCOTT State KS

Interval Tested 4309-4345 Zone Tested L
 Anchor Length 36 Drill Pipe Run 4169 Mud Wt. 9.1
 Top Packer Depth 4304 Drill Collars Run 124 Vis 53
 Bottom Packer Depth 4309 Wt. Pipe Run 0 WL 7.2
 Total Depth 4345 Chlorides 2200 ppm System LCM 2
 Blow Description IF: BOB in 3 Min.
IS: No Return Blow
FF: BOB in 4 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>803</u>	<u>Feet of 20cmw 1mcow (2 collars)</u>	<u>5</u>	<u>93</u>	<u>2</u>	
<u>898</u>	<u>Feet of 0cmw</u>	<u>5</u>	<u>55</u>	<u>40</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1701 BHT 125 Gravity — API RW 1521 @ 58.3° F Chlorides 15000 ppm

(A) Initial Hydrostatic <u>2144</u>	<input checked="" type="checkbox"/> Test <u>\$1150.00/-</u>	T-On Location <u>19:35</u>
(B) First Initial Flow <u>105</u>	<input checked="" type="checkbox"/> Jars <u>\$250.00/-</u>	T-Started <u>21:16</u>
(C) First Final Flow <u>338</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$75.00/-</u>	T-Open <u>23:05</u>
(D) Initial Shut-In <u>1102</u>	<input type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>02:20</u>
(E) Second Initial Flow <u>353</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>04:50</u>
(F) Second Final Flow <u>815</u>	<input checked="" type="checkbox"/> Mileage <u>30RT = \$22.50</u>	Comments
(G) Final Shut-In <u>1046</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2041</u>	<input type="checkbox"/> Straddle	
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1497.50</u>
	Sub Total <u>\$1497.50/-</u>	MP/DST Disc't

Approved By [Signature] 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.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65603**

Well Name & No. Christy Farms 1-22 Test No. 2 Date 8-25-16
 Company Abercrombie Energy Inc Elevation 2988 KB 2983 GL
 Address 10209 W Central STE 2 Wichita KS 67212
 Co. Rep / Geo. Grant Gaylon Rig WW10
 Location: Sec. 22 Twp. 16S Rge. 32W Co. SCOTT State KS

Interval Tested 4392-4473 Zone Tested Marmaton
 Anchor Length 81 Drill Pipe Run 4263 Mud Wt. 9.2
 Top Packer Depth 4387 Drill Collars Run 121 Vis 52
 Bottom Packer Depth ~~4473~~ 4392 Wt. Pipe Run Ø WL 8.0
 Total Depth 4473 Chlorides 3500 ppm System LCM 2
 Blow Description IF: BOB IN 14 MIN
IS: Return Blow Built to 4" + Dried in 22 Min.
FF: BOB IN 13 MIN
FS: Return Blow Built to 1"

Rec	Feet of		%gas	%oil	%water	%mud
216	mcgo	28	70		2	
62	gcom	10	30		60	
124	gcmo	18	52		30	
60.5	OCmg (COLLAR)	58	12		30	
60.5	OCgm (COLLAR)	25	5		70	
Rec Total	523	BHT 122	Gravity 26	API RW 1 @ 1	°F Chlorides 1	ppm

(A) Initial Hydrostatic 2227
 (B) First Initial Flow 59
 (C) First Final Flow 134
 (D) Initial Shut-In 1189
 (E) Second Initial Flow 147
 (F) Second Final Flow 263
 (G) Final Shut-In 1197
 (H) Final Hydrostatic 2183

Test \$1150.00/-
 Jars \$250.00/-
 Safety Joint \$75.00/-
 Circ Sub NC
 Hourly Standby _____
 Mileage 30RT \$22.50/-
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total \$1497.50/-

T-On Location 18:35
 T-Started 19:41
 T-Open 09:23
 T-Pulled 00:38
 T-Out 03:13

Comments NO WATER
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1497.50
 MP/DST Disc't _____

Initial Open 15
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 90

Approved By [Signature] Our Representative Mike Roberts

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 65604

Well Name & No. Christy Farms 1-22 Test No. 3 Date 8-26-16
 Company Abercrombie Energy Inc Elevation 2988 KB 2983 GL
 Address 10209 W Central STE 2 Wichita KS 67212
 Co. Rep / Geo. Mark Gaylon Rig WW10
 Location: Sec. 22 Twp. 16S Rge. 32W Co. SCOTT State KS

Interval Tested 4571-4627 Zone Tested Johnson
 Anchor Length 56 Drill Pipe Run 4452 Mud Wt. 9.4
 Top Packer Depth 4566 Drill Collars Run 121 Vis 53
 Bottom Packer Depth 4571 Wt. Pipe Run Ø WL 9.6
 Total Depth 4627 Chlorides 3600 ppm System LCM 2
 Blow Description IF: Weak Surface Blow Dried in 8 Min.
IS: No Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</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 2 BHT 121 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic	<u>2289</u>	<input checked="" type="checkbox"/> Test	<u>\$1150.00/-</u>	T-On Location	<u>21:05</u>
(B) First Initial Flow	<u>34</u>	<input checked="" type="checkbox"/> Jars	<u>\$250.00/-</u>	T-Started	<u>22:00</u>
(C) First Final Flow	<u>34</u>	<input checked="" type="checkbox"/> Safety Joint	<u>\$75.00/-</u>	T-Open	<u>00:05</u>
(D) Initial Shut-In	<u>88</u>	<input checked="" type="checkbox"/> Circ Sub		T-Pulled	<u>01:50</u>
(E) Second Initial Flow	<u>34</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>04:41</u>
(F) Second Final Flow	<u>35</u>	<input checked="" type="checkbox"/> Mileage	<u>30RT = \$22.50/-</u>	Comments	<u>Loaded tools</u>
(G) Final Shut-In	<u>80</u>	<input type="checkbox"/> Sampler	<u>X 2 ↑</u>		<u>06:00 on 8-28-</u>
(H) Final Hydrostatic	<u>2260</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	

<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
<input type="checkbox"/> Day Standby	Total <u>1520</u>
<input type="checkbox"/> Accessibility	MP/DST Disc't <u>—</u>
Sub Total <u>1520</u>	<u>\$1497.00/-</u>

Approved By Mike Glyn

Our Representative Mike Roberts

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