



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Corry Baker

Gustus Unit A #1-2

2-18s-8w Rice,KS

Start Date: 2013.12.14 @ 10:12:13

End Date: 2013.12.14 @ 16:33:13

Job Ticket #: 039771 DST #: 1

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

Printed: 2013.12.19 @ 13:40:19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

ATTN: Corry Baker

Job Ticket: 039771

DST#: 1

Test Start: 2013.12.14 @ 10:12:13

GENERAL INFORMATION:

Formation: **LKC-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:08:13

Time Test Ended: 16:33:13

Test Type: Conventional Bottom Hole (Initial)

Tester: Jeff Brown

Unit No: 67

Interval: 2860.00 ft (KB) To 2885.00 ft (KB) (TVD)

Reference Elevations: 1779.00 ft (KB)

Total Depth: 2885.00 ft (KB) (TVD)

1771.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6625 Outside

Press@RunDepth: 17.58 psig @ 2861.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.14

End Date:

2013.12.14

Last Calib.: 2013.12.14

Start Time: 10:12:14

End Time:

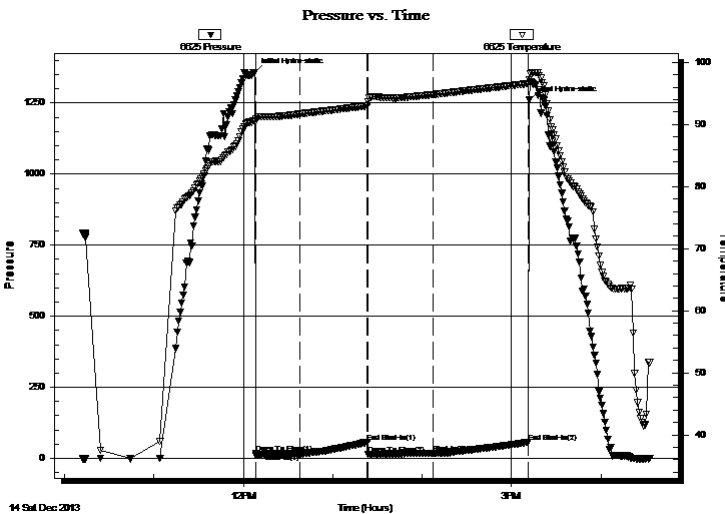
16:33:13

Time On Btm: 2013.12.14 @ 12:07:43

Time Off Btm: 2013.12.14 @ 15:11:43

TEST COMMENT: IFP=Fair blow built to 6-1/2"
IS=Dead no blow back
FFP=Weak blow built to 2-1/2"
FS=Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1357.60	90.59	Initial Hydro-static
1	16.66	90.48	Open To Flow (1)
30	16.66	91.68	Shut-In(1)
76	57.08	93.02	End Shut-In(1)
76	14.63	93.70	Open To Flow (2)
120	17.58	94.82	Shut-In(2)
184	56.73	96.58	End Shut-In(2)
184	1259.66	97.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud w ith a scum of oil	0.14
0.00	94-GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

Job Ticket: 039771

DST#: 1

ATTN: Corry Baker

Test Start: 2013.12.14 @ 10:12:13

Tool Information

Drill Pipe:	Length: 2859.00 ft	Diameter: 3.80 inches	Volume: 40.10 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 40.10 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	2860.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 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			2833.00	
Shut In Tool	5.00			2838.00	
Hydraulic tool	5.00			2843.00	
Jars	5.00			2848.00	
Safety Joint	3.00			2851.00	
Packer	4.00			2855.00	28.00 Bottom Of Top Packer
Packer	5.00			2860.00	
Stubb	1.00			2861.00	
Recorder	0.00	6625	Outside	2861.00	
Recorder	0.00	8679	Inside	2861.00	
Perforations	20.00			2881.00	
Bullnose	4.00			2885.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

Job Ticket: 039771

DST#: 1

ATTN: Corry Baker

Test Start: 2013.12.14 @ 10:12:13

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud w ith a scum of oil	0.140
0.00	94-GIP	0.000

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

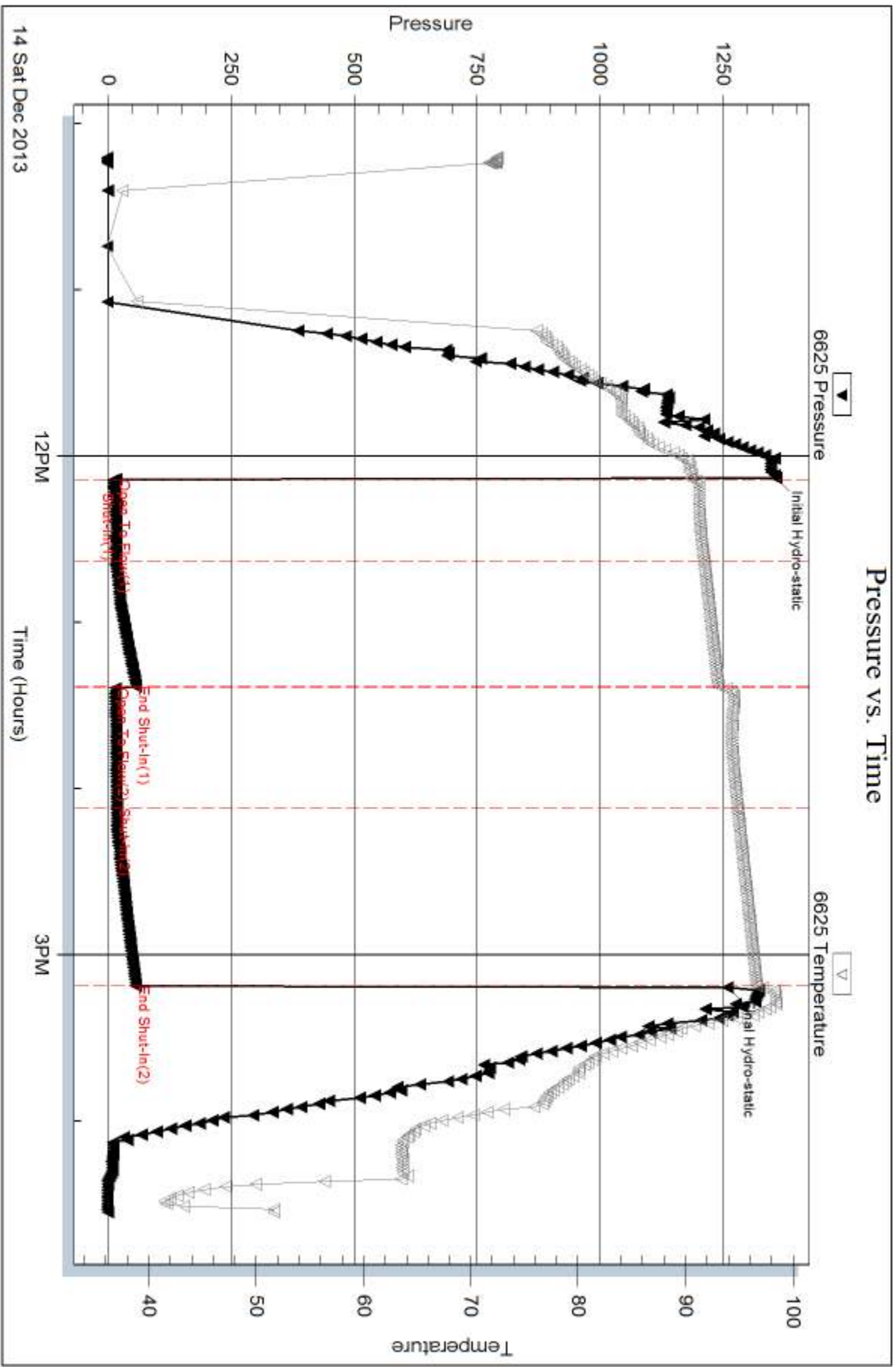
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



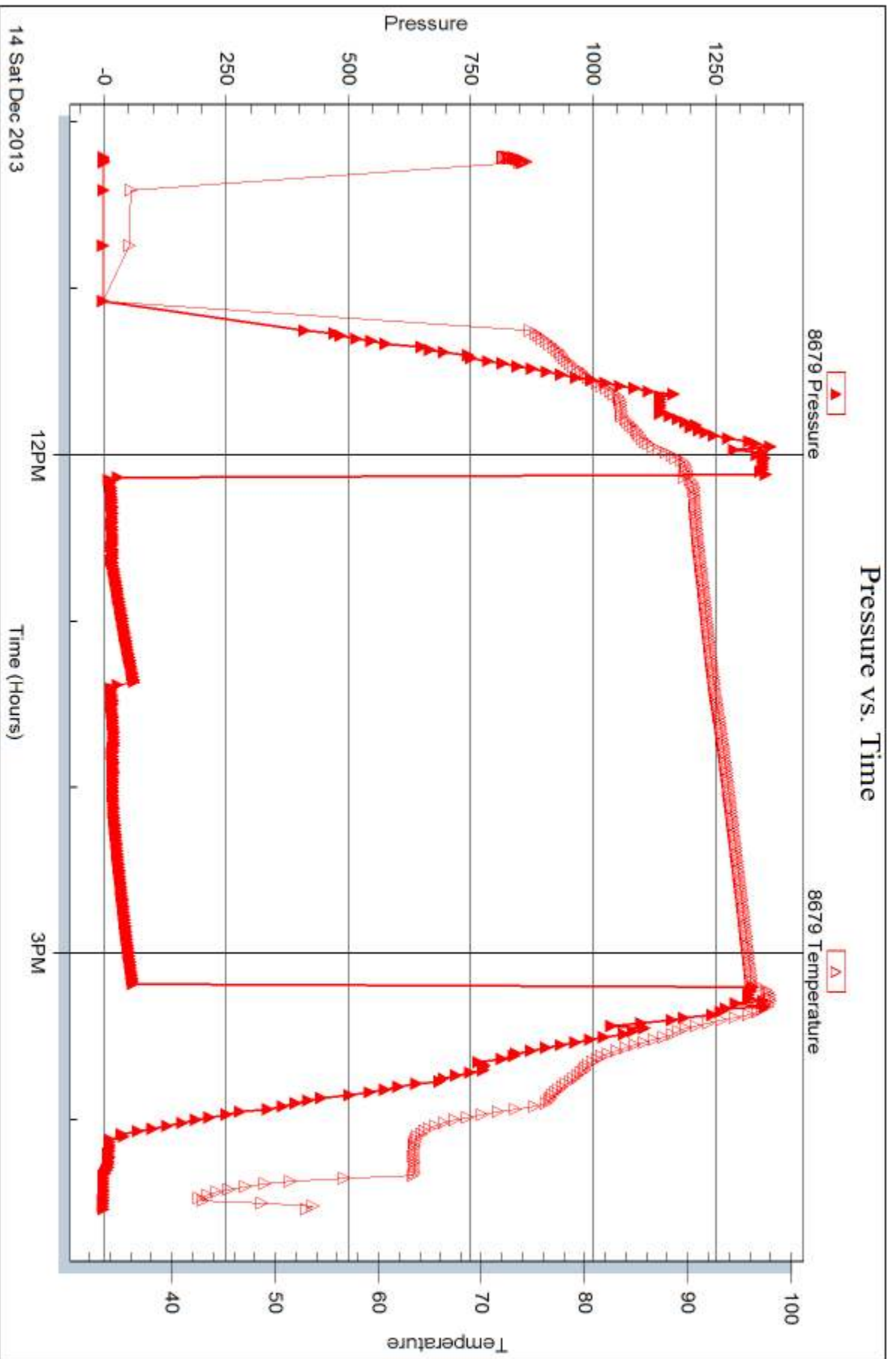
Serial #: 8679

Inside

Cobalt Energy LLC

Gustus Unit A #1-2

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 039771

Printed: 2013.12.19 @ 13:40:22



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Corry Baker

Gustus Unit A #1-2

2-18s-8w Rice,KS

Start Date: 2013.12.16 @ 00:48:16

End Date: 2013.12.16 @ 09:06:16

Job Ticket #: 039772 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.12.19 @ 13:24:29

Cobalt Energy LLC
2-18s-8w Rice,KS
Gustus Unit A #1-2
DST # 2
Simpson
2013.12.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

ATTN: Corry Baker

Job Ticket: 039772

DST#: 2

Test Start: 2013.12.16 @ 00:48:16

GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:27:16

Time Test Ended: 09:06:16

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 67

Interval: 3298.00 ft (KB) To 3320.00 ft (KB) (TVD)

Reference Elevations: 1779.00 ft (KB)

Total Depth: 3320.00 ft (KB) (TVD)

1771.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 6625 Outside

Press@RunDepth: 300.90 psig @ 3301.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.16

End Date:

2013.12.16

Last Calib.:

2013.12.16

Start Time: 00:48:17

End Time:

09:06:16

Time On Btm:

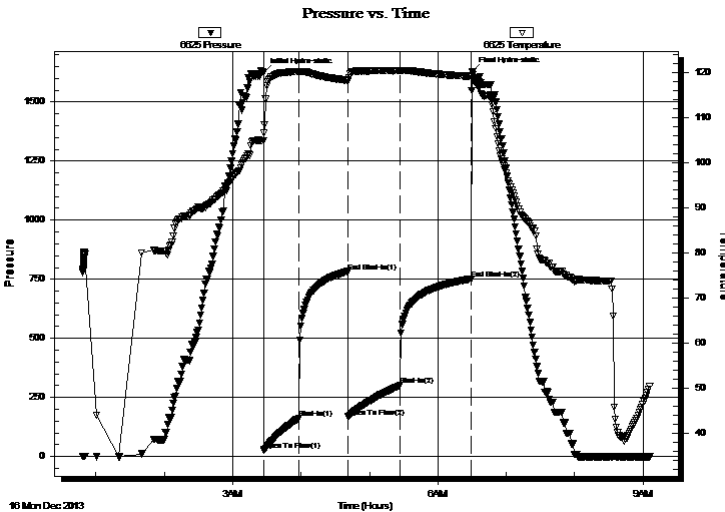
2013.12.16 @ 03:26:46

Time Off Btm:

2013.12.16 @ 06:30:16

TEST COMMENT: IFP=Strong blow BOB in 3-1/2 min
IS=Dead no blow back
FFP=Strong blow BOB in 5 min
FS=Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1623.66	104.92	Initial Hydro-static
1	27.73	106.52	Open To Flow (1)
31	161.21	120.22	Shut-In(1)
74	782.65	118.27	End Shut-In(1)
75	168.01	118.09	Open To Flow (2)
120	300.90	120.37	Shut-In(2)
183	749.58	119.14	End Shut-In(2)
184	1627.01	118.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
441.00	MW with oil spots 5%M 95%W	6.19
126.00	MW with a scum of oil 20%M 80%W	1.77
94.00	WM with a scum of oil 20%W 80%M	1.32
0.00	Had H2S Gas	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

ATTN: Corry Baker

Job Ticket: 039772

DST#: 2

Test Start: 2013.12.16 @ 00:48:16

GENERAL INFORMATION:

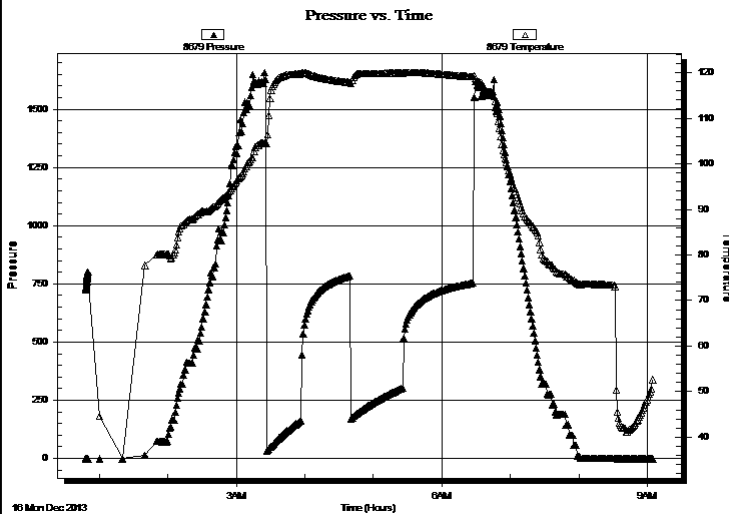
Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 03:27:16
 Tester: Jeff Brown
 Time Test Ended: 09:06:16
 Unit No: 67
 Interval: **3298.00 ft (KB) To 3320.00 ft (KB) (TVD)**
 Reference Elevations: 1779.00 ft (KB)
 Total Depth: 3320.00 ft (KB) (TVD)
 1771.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 8.00 ft

Serial #: 8679

Inside

Press@RunDepth: psig @ 3301.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.16 End Date: 2013.12.16 Last Calib.: 2013.12.16
 Start Time: 00:48:07 End Time: 09:04:36 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP=Strong blow BOB in 3-1/2 min
 IS=Dead no blow back
 FFP=Strong blow BOB in 5 min
 FS=Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
441.00	MW with oil spots 5%M 95%W	6.19
126.00	MW with a scum of oil 20%M 80%W	1.77
94.00	WM with a scum of oil 20%W 80%M	1.32
0.00	Had H2S Gas	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

Job Ticket: 039772

DST#: 2

ATTN: Corry Baker

Test Start: 2013.12.16 @ 00:48:16

Tool Information

Drill Pipe:	Length: 3301.00 ft	Diameter: 3.80 inches	Volume: 46.30 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 46.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3298.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3271.00	
Shut In Tool	5.00			3276.00	
Hydraulic tool	5.00			3281.00	
Jars	5.00			3286.00	
Safety Joint	3.00			3289.00	
Packer	4.00			3293.00	28.00 Bottom Of Top Packer
Packer	5.00			3298.00	
Stubb	1.00			3299.00	
Perforations	2.00			3301.00	
Recorder	0.00	6625	Outside	3301.00	
Recorder	0.00	8679	Inside	3301.00	
Perforations	15.00			3316.00	
Bullnose	4.00			3320.00	22.00 Bottom Packers & Anchor

Total Tool Length: 50.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

Job Ticket: 039772

DST#: 2

ATTN: Corry Baker

Test Start: 2013.12.16 @ 00:48:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
441.00	MW w ith oil spots 5%M 95%W	6.186
126.00	MW w ith a scum of oil 20%M 80%W	1.767
94.00	WM w ith a scum of oil 20%W 80%M	1.319
0.00	Had H2S Gas	0.000

Total Length: 661.00 ft

Total Volume: 9.272 bbl

Num Fluid Samples: 0

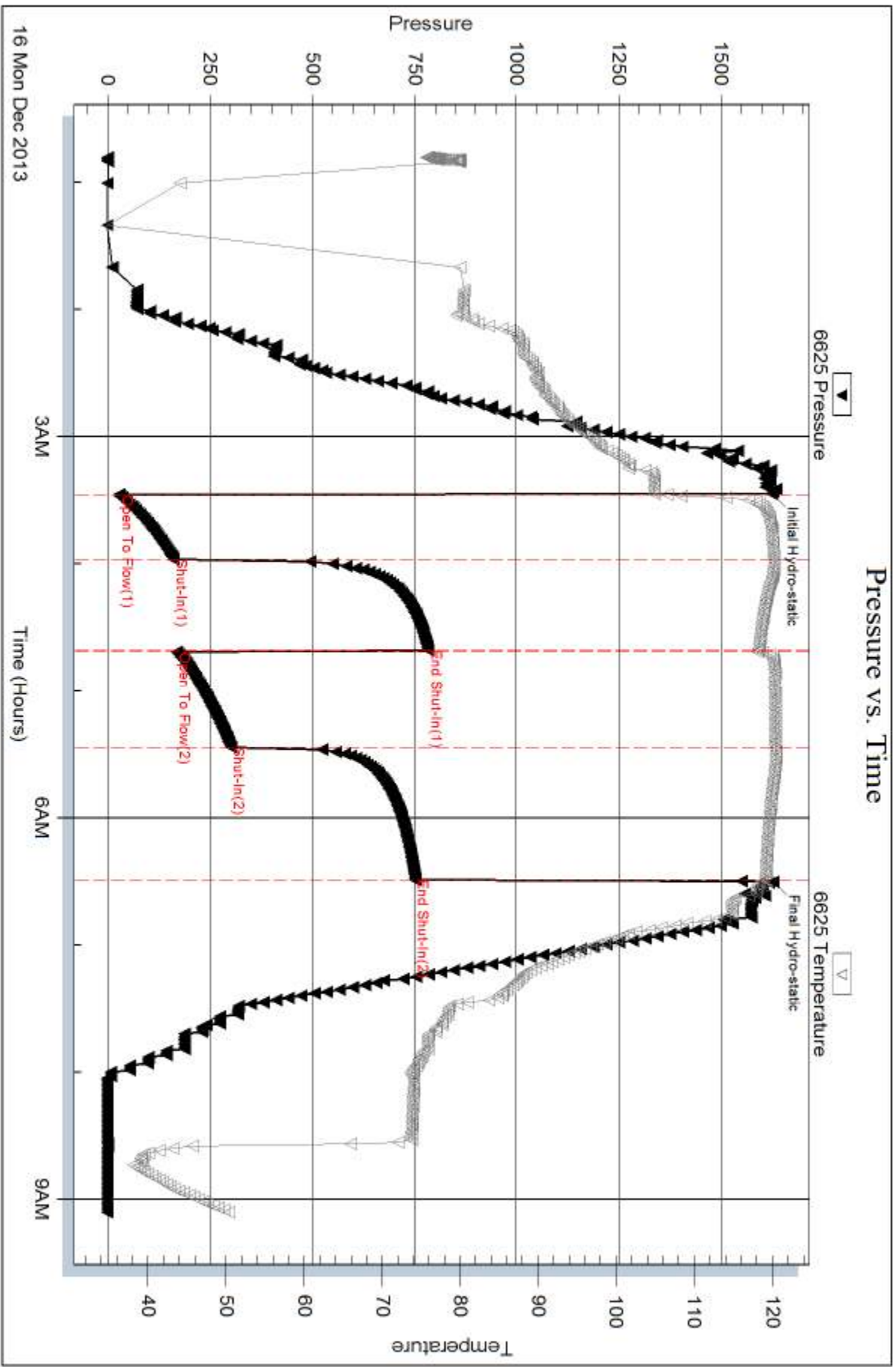
Num Gas Bombs: 0

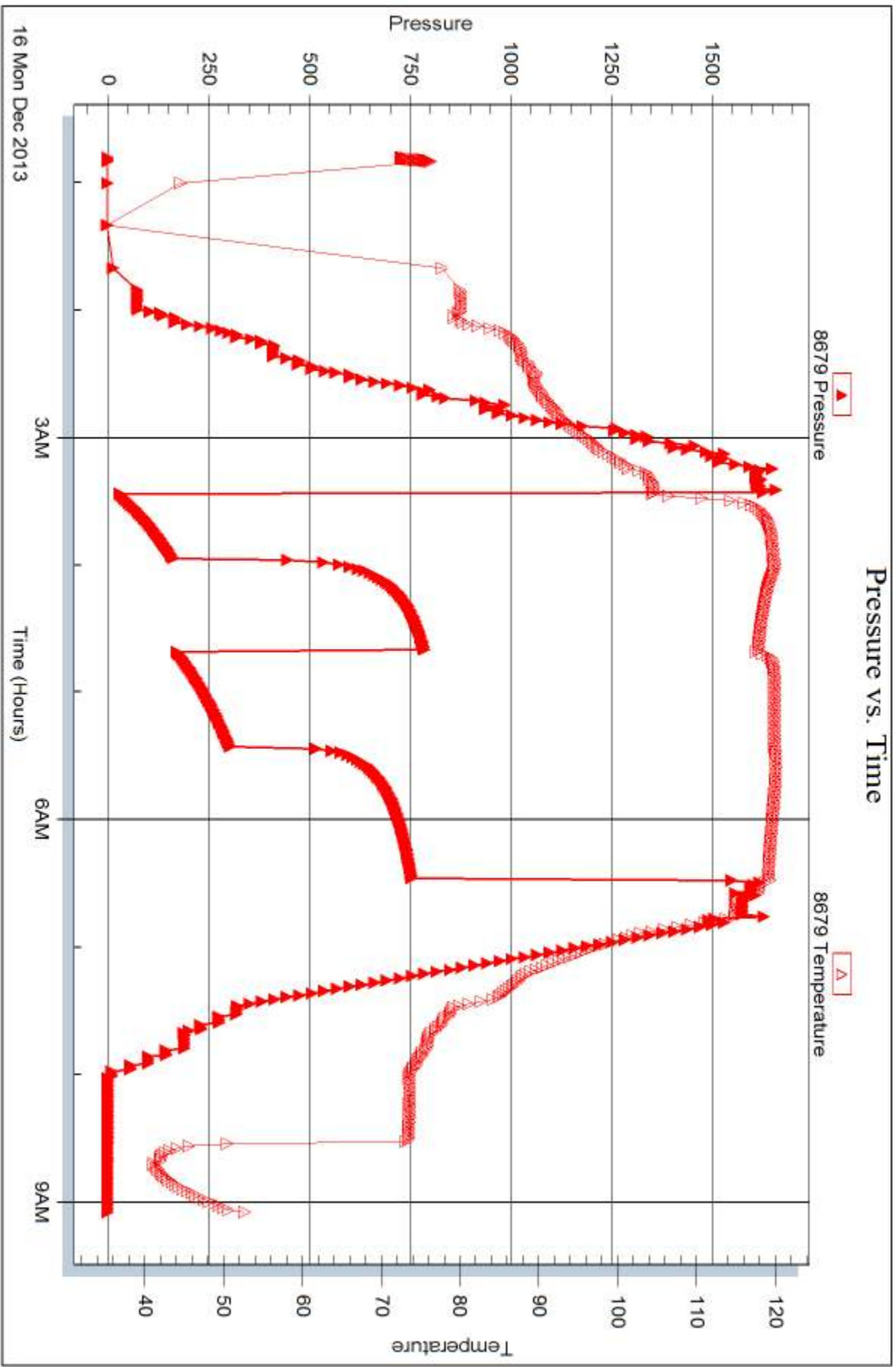
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Corry Baker

Gustus Unit A #1-2

2-18s-8w Rice,KS

Start Date: 2013.12.16 @ 15:10:35

End Date: 2013.12.16 @ 21:30:05

Job Ticket #: 039773 DST #: 3

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

Printed: 2013.12.19 @ 13:22:58



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

ATTN: Corry Baker

Job Ticket: 039773

DST#: 3

Test Start: 2013.12.16 @ 15:10:35

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:47:35

Time Test Ended: 21:30:05

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 67

Interval: 3337.00 ft (KB) To 3350.00 ft (KB) (TVD)

Reference Elevations: 1779.00 ft (KB)

Total Depth: 3350.00 ft (KB) (TVD)

1771.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8679 Inside

Press@RunDepth: 36.23 psig @ 3338.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.16 End Date: 2013.12.16

Last Calib.: 2013.12.16

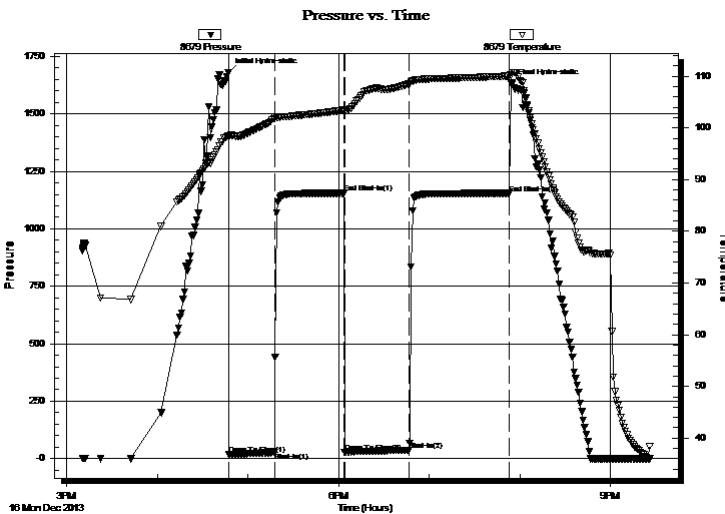
Start Time: 15:10:36 End Time: 21:26:05

Time On Btm: 2013.12.16 @ 16:47:05

Time Off Btm: 2013.12.16 @ 19:54:05

TEST COMMENT: IFP=Weak blow built to 3-1/2"
IS=Dead no blow back
FFP=Dead-Flushed tool-Weak surface blow built 1-1/2"
FS=Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1680.76	98.41	Initial Hydro-static
1	16.85	98.33	Open To Flow (1)
31	26.57	101.83	Shut-In(1)
77	1154.96	103.42	End Shut-In(1)
77	28.02	103.08	Open To Flow (2)
120	36.23	108.54	Shut-In(2)
186	1154.48	110.03	End Shut-In(2)
187	1633.94	110.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
48.00	WM with a light scum of oil 15%W 85%M0.67	

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

ATTN: Corry Baker

Job Ticket: 039773

DST#: 3

Test Start: 2013.12.16 @ 15:10:35

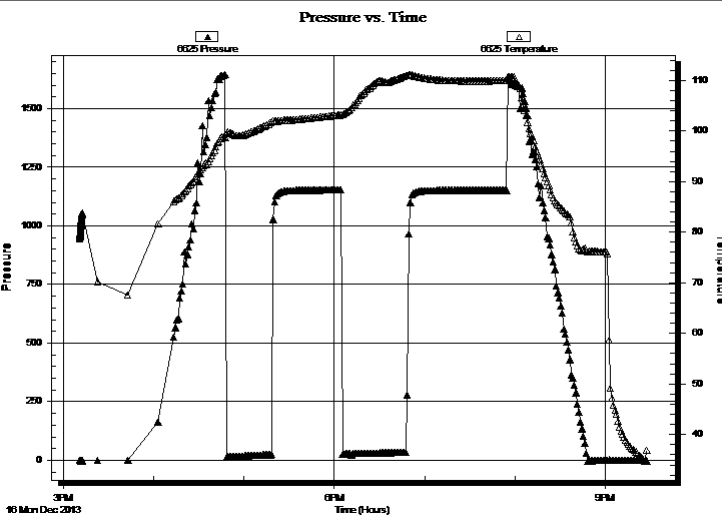
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:47:35
 Time Test Ended: 21:30:05
 Interval: **3337.00 ft (KB) To 3350.00 ft (KB) (TVD)**
 Total Depth: 3350.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jeff Brown
 Unit No: 67
 Reference Elevations: 1779.00 ft (KB)
 1771.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6625 Outside

Press@RunDepth: psig @ 3338.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.12.16 End Date: 2013.12.16 Last Calib.: 2013.12.16
 Start Time: 15:10:50 End Time: 21:27:19 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP=Weak blow built to 3-1/2"
 IS=Dead no blow back
 FFP=Dead-Flushed tool-Weak surface blow built 1-1/2"
 FS=Dead no blow back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
48.00	WM with a light scum of oil 15%W 85%M0.67	

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

Job Ticket: 039773

DST#: 3

ATTN: Corry Baker

Test Start: 2013.12.16 @ 15:10:35

Tool Information

Drill Pipe:	Length: 3333.00 ft	Diameter: 3.80 inches	Volume: 46.75 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	54000.00 lb
			<u>Total Volume: 46.75 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3337.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	13.00 ft				
Tool Length:	41.00 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			3310.00	
Shut In Tool	5.00			3315.00	
Hydraulic tool	5.00			3320.00	
Jars	5.00			3325.00	
Safety Joint	3.00			3328.00	
Packer	4.00			3332.00	28.00 Bottom Of Top Packer
Packer	5.00			3337.00	
Stubb	1.00			3338.00	
Recorder	0.00	6625	Outside	3338.00	
Recorder	0.00	8679	Inside	3338.00	
Perforations	8.00			3346.00	
Bullnose	4.00			3350.00	13.00 Bottom Packers & Anchor

Total Tool Length: 41.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

Job Ticket: 039773

DST#: 3

ATTN: Corry Baker

Test Start: 2013.12.16 @ 15:10:35

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
48.00	WM with a light scum of oil 15%W 85%M	0.673

Total Length: 48.00 ft Total Volume: 0.673 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

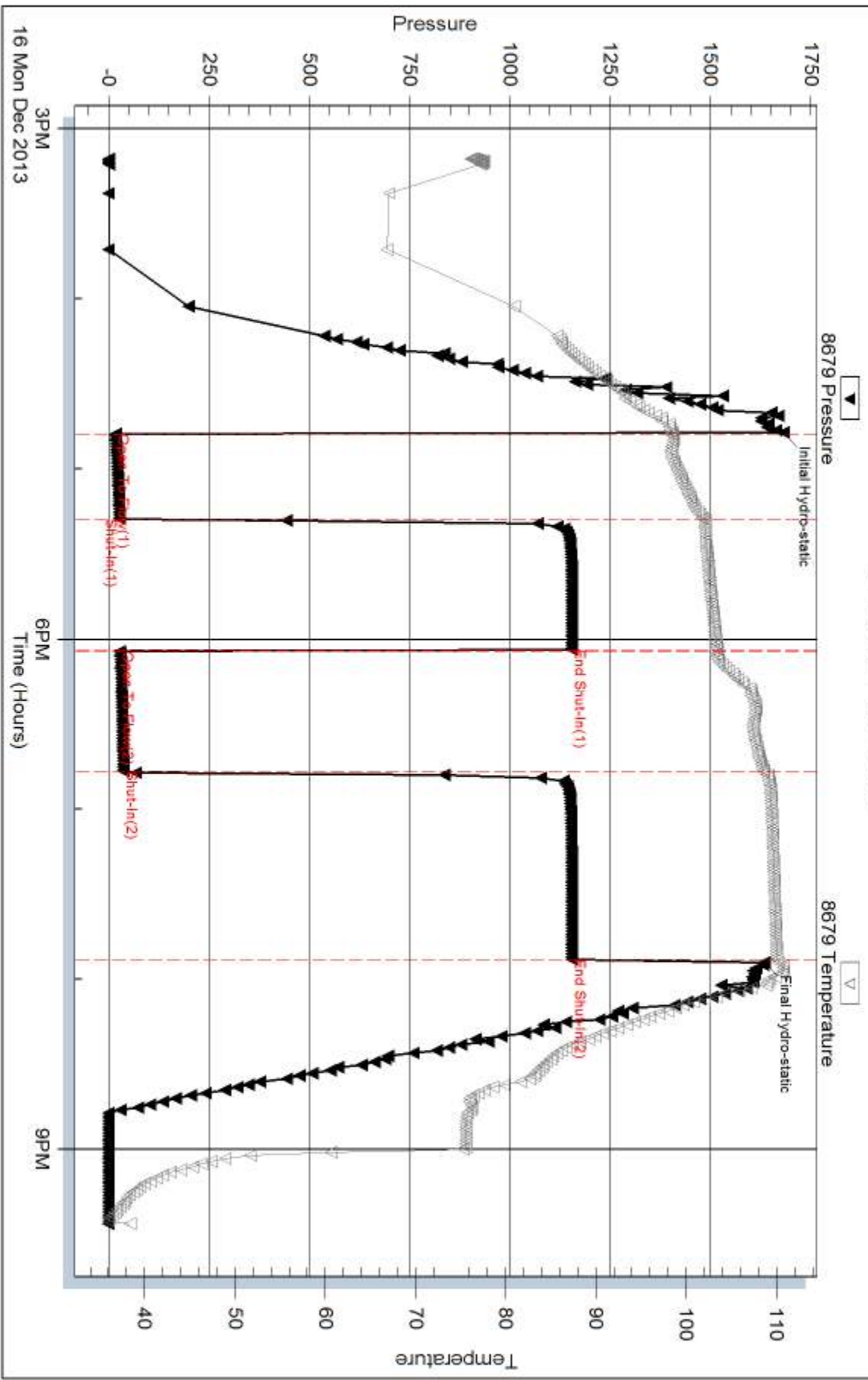
Serial #:

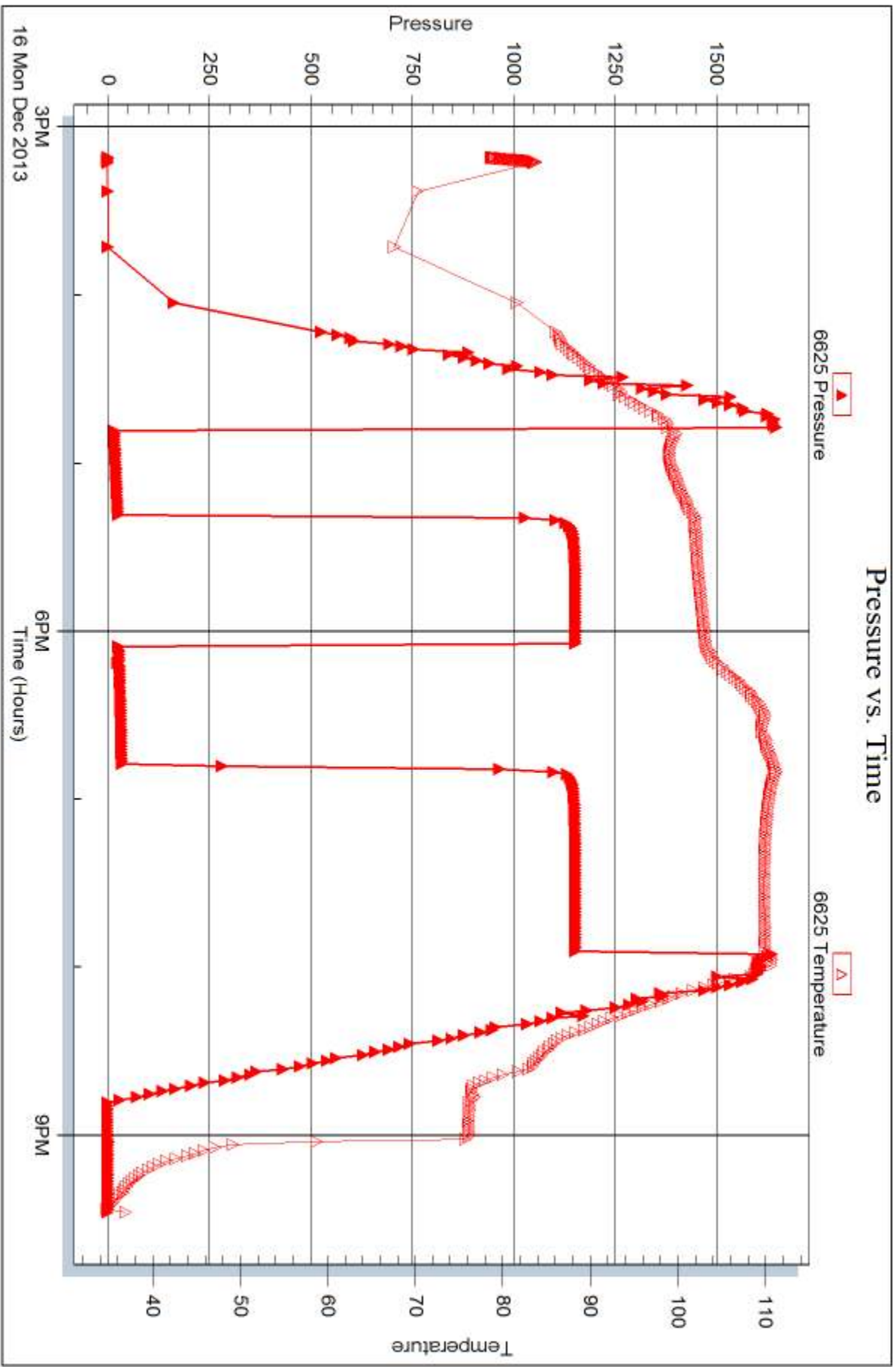
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Corry Baker

Gustus Unit A #1-2

2-18s-8w Rice,KS

Start Date: 2013.12.17 @ 04:34:37

End Date: 2013.12.17 @ 09:26:07

Job Ticket #: 039774 DST #: 4

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

Printed: 2013.12.19 @ 13:15:00

Cobalt Energy LLC
2-18s-8w Rice,KS
Gustus Unit A #1-2
DST # 4
Arbuckle
2013.12.17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC

2-18s-8w Rice, KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

Job Ticket: 039774

DST#: 4

ATTN: Corry Baker

Test Start: 2013.12.17 @ 04:34:37

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:11:00

Time Test Ended: 09:26:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 67

Interval: 3342.00 ft (KB) To 3365.00 ft (KB) (TVD)

Reference Elevations: 1779.00 ft (KB)

Total Depth: 3365.00 ft (KB) (TVD)

1771.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8679

Inside

Press@RunDepth: psig @ 3343.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.17

End Date:

2013.12.17

Last Calib.:

2013.12.17

Start Time: 04:34:38

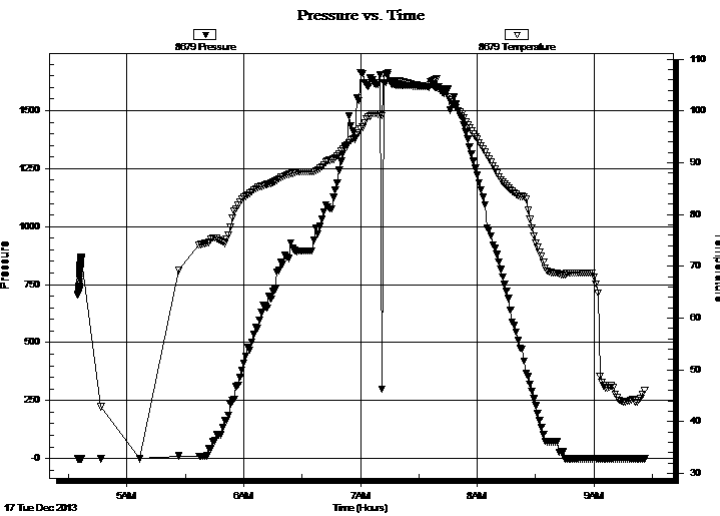
End Time:

09:26:07

Time On Btm:

Time Off Btm:

TEST COMMENT: Mis-Run Packer Failure



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
157.00	Mud w ith a scum of oil	2.20

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

Job Ticket: 039774

DST#: 4

ATTN: Corry Baker

Test Start: 2013.12.17 @ 04:34:37

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:11:00

Time Test Ended: 09:26:07

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 67

Interval: 3342.00 ft (KB) To 3365.00 ft (KB) (TVD)

Total Depth: 3365.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1779.00 ft (KB)

1771.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6625 Outside

Press@RunDepth: psig @ 3343.00 ft (KB)

Start Date: 2013.12.17 End Date: 2013.12.17

Start Time: 04:34:10 End Time: 09:26:09

Capacity: 8000.00 psig

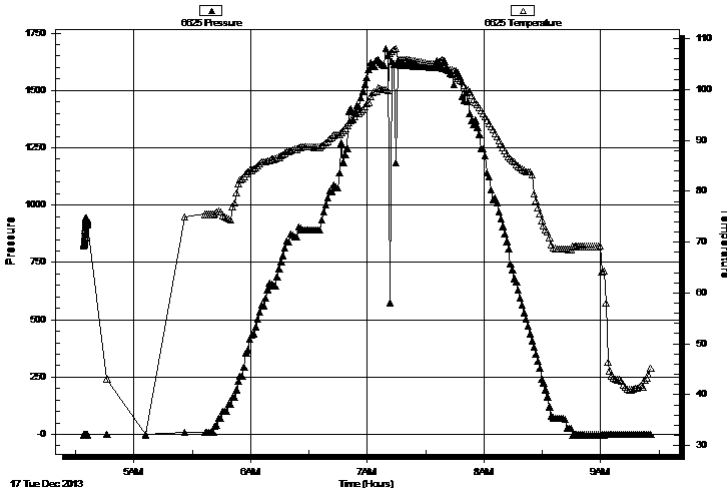
Last Calib.: 2013.12.17

Time On Btm:

Time Off Btm:

TEST COMMENT: Mis-Run Packer Failure

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
157.00	Mud w ith a scum of oil	2.20

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

Job Ticket: 039774

DST#: 4

ATTN: Corry Baker

Test Start: 2013.12.17 @ 04:34:37

Tool Information

Drill Pipe:	Length: 3333.00 ft	Diameter: 3.80 inches	Volume: 46.75 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 46.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3342.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Mis Run-- Packer Failure

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

Change Over Sub	1.00			3315.00	
Shut In Tool	5.00			3320.00	
Hydraulic tool	5.00			3325.00	
Jars	5.00			3330.00	
Safety Joint	3.00			3333.00	
Packer	4.00			3337.00	28.00 Bottom Of Top Packer
Packer	5.00			3342.00	
Stubb	1.00			3343.00	
Recorder	0.00	6625	Outside	3343.00	
Recorder	0.00	8679	Inside	3343.00	
Perforations	18.00			3361.00	
Bullnose	4.00			3365.00	23.00 Bottom Packers & Anchor

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

Job Ticket: 039774

DST#: 4

ATTN: Corry Baker

Test Start: 2013.12.17 @ 04:34:37

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
157.00	Mud with a scum of oil	2.202

Total Length: 157.00 ft Total Volume: 2.202 bbl

Num Fluid Samples: 0

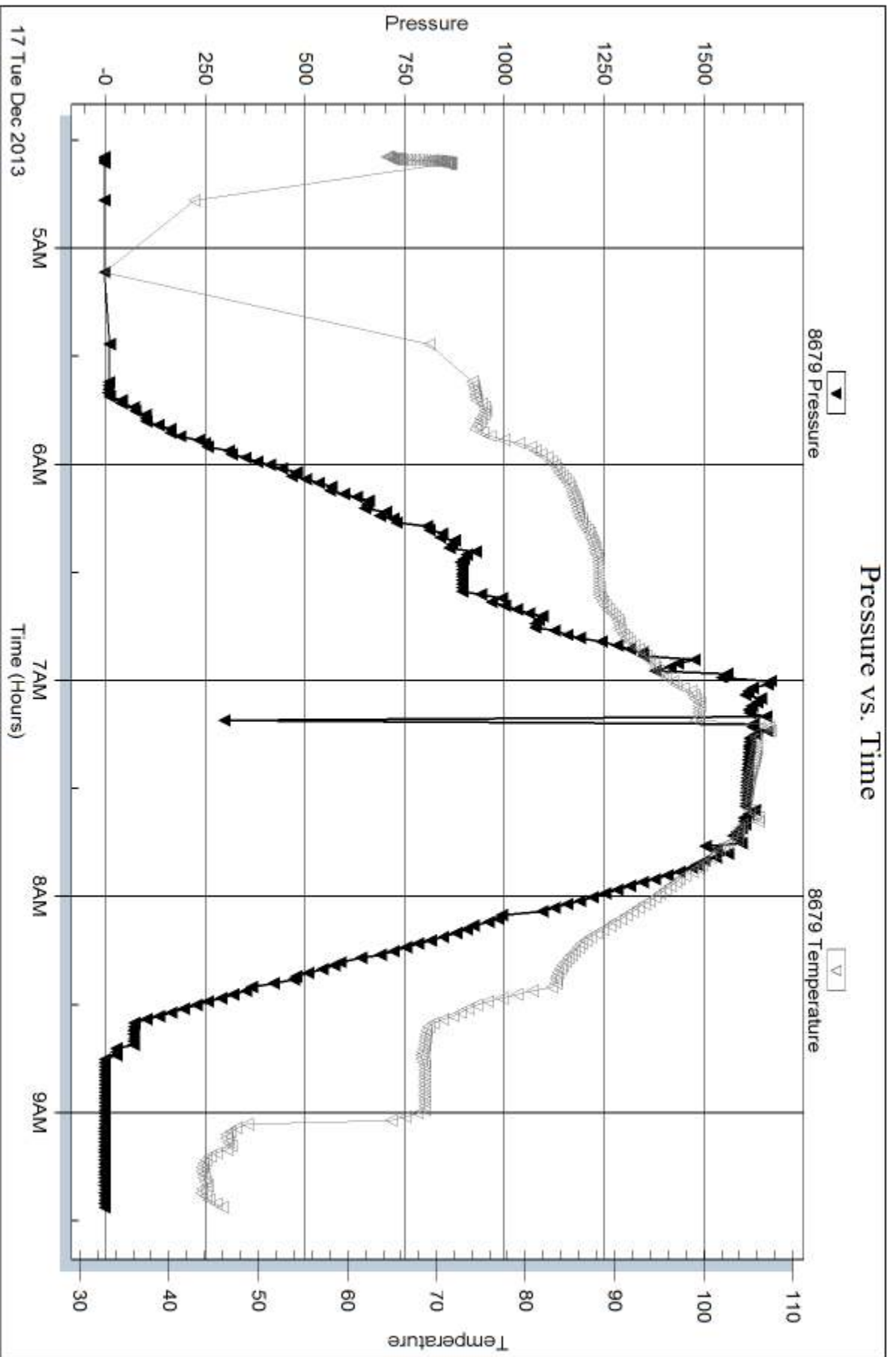
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Mis-Run --Packer Failure

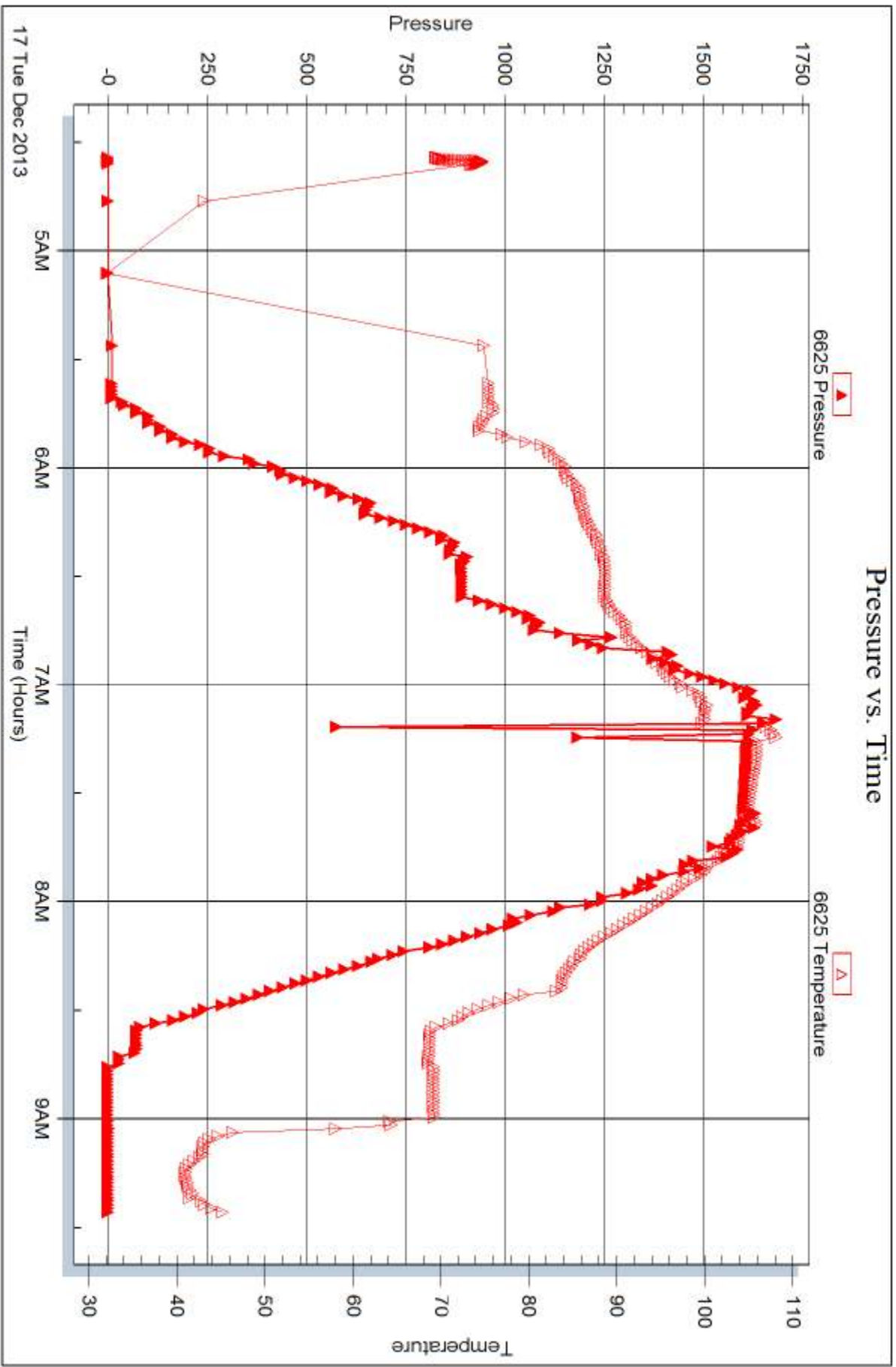


Serial #: 6625

Outside Cobalt Energy LLC

Gustus Unit A #1-2

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Corry Baker

Gustus Unit A #1-2

2-18s-8w Rice,KS

Start Date: 2013.12.17 @ 09:48:29

End Date: 2013.12.17 @ 16:08:59

Job Ticket #: 039775 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.12.19 @ 13:13:00



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

ATTN: Corry Baker

Job Ticket: 039775

DST#: 5

Test Start: 2013.12.17 @ 09:48:29

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:14:59

Time Test Ended: 16:08:59

Test Type: Conventional Bottom Hole (Reset)

Tester: Jeff Brown

Unit No: 67

Interval: 3334.00 ft (KB) To 3365.00 ft (KB) (TVD)

Reference Elevations: 1779.00 ft (KB)

Total Depth: 3365.00 ft (KB) (TVD)

1771.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8679 Inside

Press@RunDepth: 573.40 psig @ 3335.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.17

End Date:

2013.12.17

Last Calib.:

2013.12.17

Start Time: 09:48:30

End Time:

16:03:59

Time On Btm:

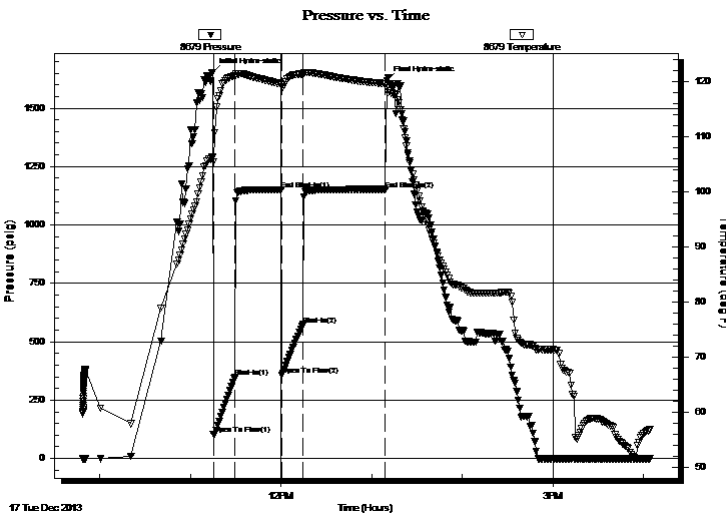
2013.12.17 @ 11:14:29

Time Off Btm:

2013.12.17 @ 13:09:59

TEST COMMENT: IFP=Strong blow BOB in 1 min
IS=Dead no blow back
FFP=Strong blow BOB in 1 min
FS=Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1651.91	106.23	Initial Hydro-static
1	104.86	105.41	Open To Flow (1)
15	349.57	120.96	Shut-In(1)
46	1152.10	119.38	End Shut-In(1)
46	357.42	118.96	Open To Flow (2)
60	573.40	121.30	Shut-In(2)
115	1151.99	119.52	End Shut-In(2)
116	1617.34	118.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1134.00	MW 20%M 80%W	15.91
94.00	SOCWM 5%O 45%W 50%M	1.32

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

Job Ticket: 039775

DST#: 5

ATTN: Corry Baker

Test Start: 2013.12.17 @ 09:48:29

Tool Information

Drill Pipe:	Length: 3333.00 ft	Diameter: 3.80 inches	Volume: 46.75 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 46.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3334.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 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			3307.00	
Shut In Tool	5.00			3312.00	
Hydraulic tool	5.00			3317.00	
Jars	5.00			3322.00	
Safety Joint	3.00			3325.00	
Packer	4.00			3329.00	28.00 Bottom Of Top Packer
Packer	5.00			3334.00	
Stubb	1.00			3335.00	
Recorder	0.00	6625	Outside	3335.00	
Recorder	0.00	8679	Inside	3335.00	
Perforations	26.00			3361.00	
Bullnose	4.00			3365.00	31.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

2-18s-8w Rice,KS

PO Box 8037
Wichita KS 67208

Gustus Unit A #1-2

Job Ticket: 039775

DST#: 5

ATTN: Corry Baker

Test Start: 2013.12.17 @ 09:48:29

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1134.00	MW 20%M 80%W	15.907
94.00	SOCWM 5%O 45%W 50%M	1.319

Total Length: 1228.00 ft Total Volume: 17.226 bbl

Num Fluid Samples: 0

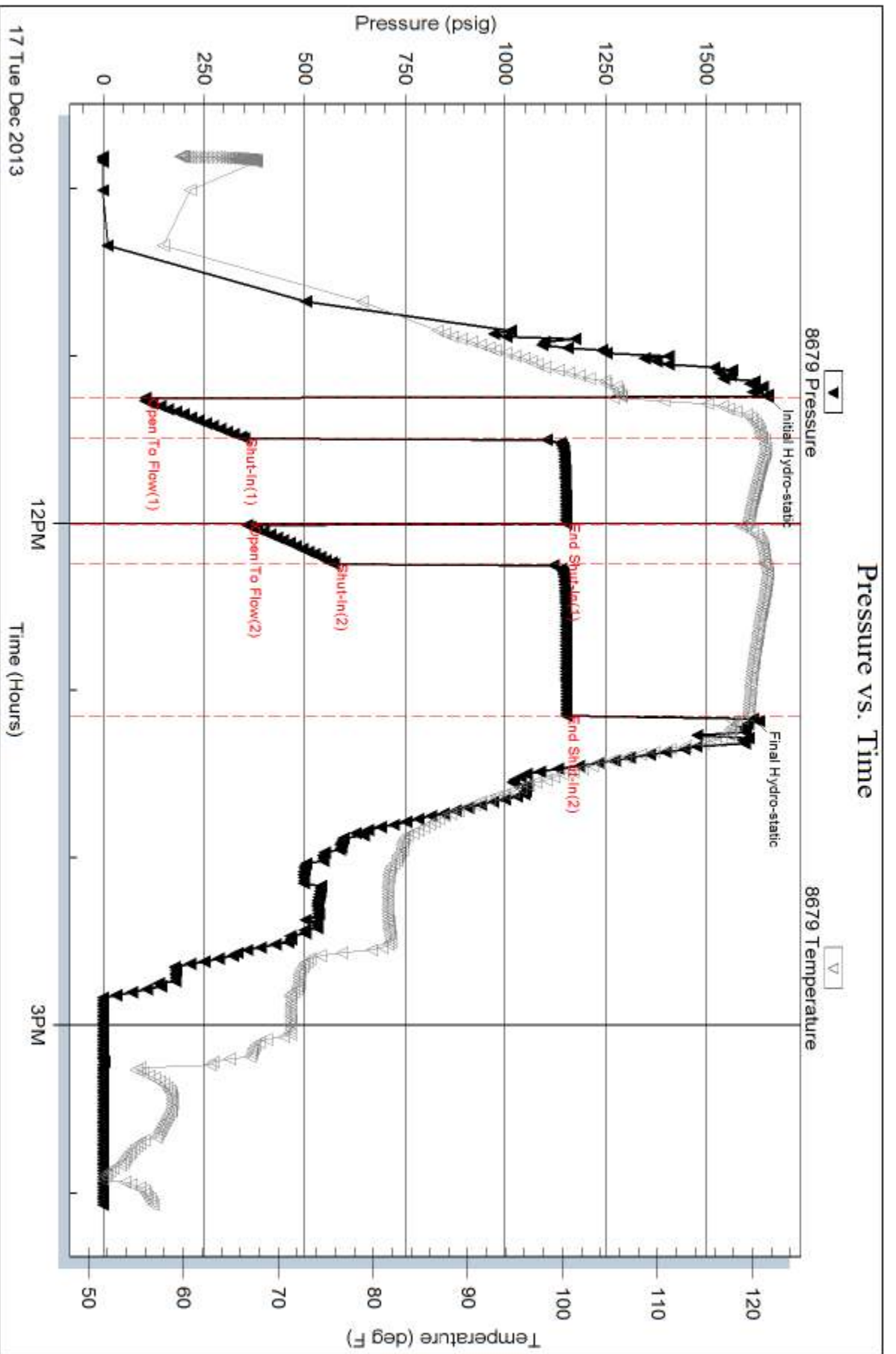
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

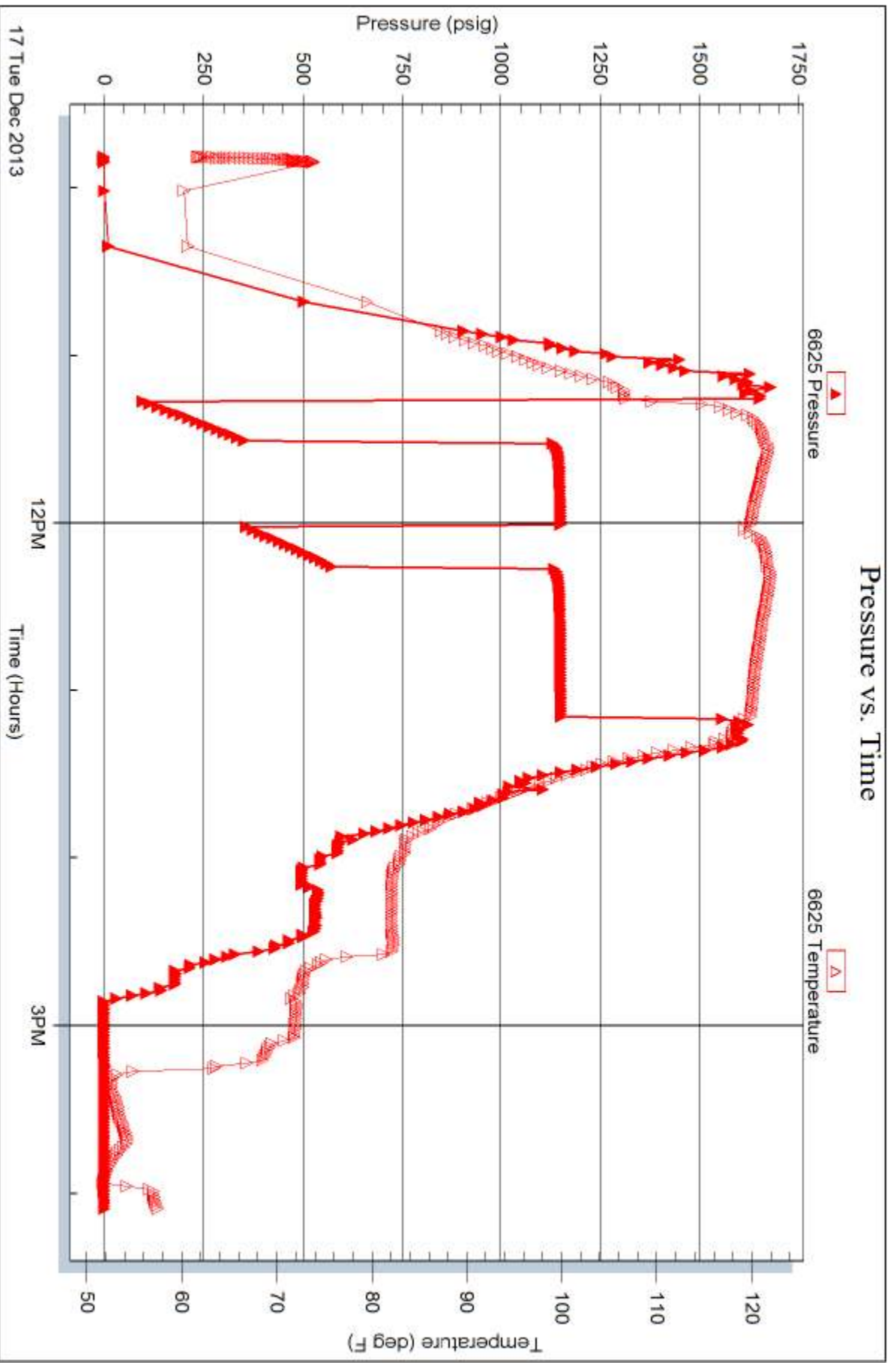


Serial #: 6625

Outside Cobalt Energy LLC

Gustus Unit A #1-2

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 039775

Printed: 2013.12.19 @ 13:13:03



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 039771

Well Name & No. Gustus Unit "A" 1-2 Test No. 1 Date 12-14-13
 Company Cobalt Energy LLC Elevation 1779 KB 1771 GL
 Address Po Box 8037 Wichita KS 67208
 Co. Rep / Geo. Corry Baker Rig Southwind #6
 Location: Sec. 2 Twp. 18S Rge. 8W Co. Rise State KS

Interval Tested 2840-2885 Zone Tested Lansing - B
 Anchor Length 25 Drill Pipe Run 2859 Mud Wt. 9.0
 Top Packer Depth 2855 Drill Collars Run 0 Vis 47
 Bottom Packer Depth 2840 Wt. Pipe Run 0 WL 8.8
 Total Depth 2885 Chlorides 7000 ppm System LCM 0

Blow Description FF - Fair Blow Built to 6 1/2 IN
1st - Dead No Blow Back
FF - Weak Blow Built to 2 1/2 IN
1st - Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Mud with a scum of oil</u>				
	<u>94-GIP</u>				

Rec Total 10 BHT 97 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1358 Test 1150 T-On Location 9:30
 (B) First Initial Flow 17 Jars 250 T-Started 10:12
 (C) First Final Flow 17 Safety Joint 75 T-Open 12:08
 (D) Initial Shut-In 57 Circ Sub _____ T-Pulled 15:08
 (E) Second Initial Flow 15 Hourly Standby _____ T-Out 16:33
 (F) Second Final Flow 18 Mileage 180 RT 279 Comments _____
 (G) Final Shut-In 57 Sampler _____
 (H) Final Hydrostatic 1260 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1754
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1754

Approved By _____ Our Representative Jeff Brown

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 039772

Well Name & No. Gustus Unit "A" #1-2 Test No. 2 Date 12-16-13
 Company Cobalt Energy LLC Elevation 1779 KB 1771 GL
 Address PO Box 8037 Wichita KS 67208
 Co. Rep / Geo. Colly Baker Rig Southwind #4
 Location: Sec. 2 Twp. 18S Rge. 8 W Co. Rice State KS

Interval Tested 3298-3320 Zone Tested Simpson
 Anchor Length 22 Drill Pipe Run 3301 Mud Wt. 9.2
 Top Packer Depth 3293 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3298 Wt. Pipe Run 0 WL 7.4
 Total Depth 3320 Chlorides 6400 ppm System LCM TR
 Blow Description FF Strong Blow BOB IN 3 1/2 min
FSI-Dead No Blow Back
FF Strong Blow BOB IN 5 min
FSI-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>441</u>	<u>MW WITH OIL SPOTS</u>			<u>95%</u>	<u>5%</u>
<u>126</u>	<u>MW WITH A SCUM OF OIL</u>			<u>80%</u>	<u>20%</u>
<u>94</u>	<u>MW WITH A SCUM OF OIL</u>			<u>20%</u>	<u>80%</u>
	<u>HAD H2S GAS</u>				

Rec Total 6661 BHT 119 Gravity _____ API RW. 742 @ 41.7 °F Chlorides 15,500 ppm

(A) Initial Hydrostatic <u>1624</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>00:25</u>
(B) First Initial Flow <u>28</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>00:48</u>
(C) First Final Flow <u>161</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:27</u>
(D) Initial Shut-In <u>783</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>6:27</u>
(E) Second Initial Flow <u>168</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>9:06</u>
(F) Second Final Flow <u>301</u>	<input checked="" type="checkbox"/> Mileage <u>279</u>	Comments _____
(G) Final Shut-In <u>750</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1627</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>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1754</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1754</u>	

Approved By _____ Our Representative Jeff Brown

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 039773

Well Name & No. Gustus Unit "A" #1-2 Test No. 3 Date 12-16-13
 Company Cobalt Energy LLC Elevation 1779 KB 1771 GL
 Address Po Box 8037 Wichita KS 67208
 Co. Rep / Geo. Sally Baker Rig Southwind #6
 Location: Sec. 2 Twp. 18S Rge. 8W Co. Rice State KS

Interval Tested 3337 - 3350 Zone Tested ArBuckle
 Anchor Length 13 Drill Pipe Run 3333 Mud Wt. 9.2
 Top Packer Depth 3332 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3337 Wt. Pipe Run 0 WL 7.6
 Total Depth 3350 Chlorides 6400 ppm System LCM TR

Blow Description IF-Weak Blow Built To 3 1/2 IN
ISJ-Dead No Blow Back
FF-Dead-Flush Tool-Weak Surface Blow Built To 1 1/2 IN
FSI-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>48</u>	<u>WM with A Light Scum of oil</u>		<u>15</u>	<u>85</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 48 BHT 110 Gravity API RW 548 @ 39.8 ° F Chlorides 22,000 ppm

(A) Initial Hydrostatic 1681
 (B) First Initial Flow 17
 (C) First Final Flow 27
 (D) Initial Shut-In 1155
 (E) Second Initial Flow 28
 (F) Second Final Flow 340
 (G) Final Shut-In 1154
 (H) Final Hydrostatic 1634

Test 1150
 Jars 250
 Safety Joint 75
 Circ Sub
 Hourly Standby
 Mileage 279
 Sampler
 Straddle
 Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1754

T-On Location 15:05
 T-Started 15:10
 T-Open 16:47
 T-Pulled 19:47
 T-Out 21:30
 Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1754
 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 400

Approved By _____ Our Representative Jeff Brown

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 039774

4/10

Well Name & No. Gustus Unit "A" #1-2 Test No. 4 Date 12-17-13
 Company Cobalt Energy LLC Elevation 1779 KB 1771 GL
 Address PO Box 8037 Wichita KS 67208
 Co. Rep / Geo. Colly Baker Rig Southwind #40
 Location: Sec. 2 Twp. 18 S Rge. 8 W Co. Rice State KS

Interval Tested 3342-3365 Zone Tested AirBuckle
 Anchor Length 23 Drill Pipe Run 3333 Mud Wt. 9.4
 Top Packer Depth 3337 Drill Collars Run 0 Vis 58
 Bottom Packer Depth 3342 Wt. Pipe Run 0 WL 7.6
 Total Depth 3365 Chlorides 6700 ppm System LCM TR

Blow Description ~~IFB~~
~~ISI~~
~~FFA~~
~~FSI~~
Mis Run packer - failure

Rec	Feet of	%gas	%oil	%water	%mud
<u>157</u>	<u>mud with a scum of oil</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____ Test 950 _____ T-On Location 4:29
 (B) First Initial Flow _____ Jars 250 _____ T-Started 4:34
 (C) First Final Flow _____ Safety Joint 75 _____ T-Open 7:11
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 7:20
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out 9:27
 (F) Second Final Flow _____ Mileage 279 _____ Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic _____ Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1554
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1554

Approved By _____ Our Representative Jeff Brown

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 039775

Well Name & No. Gustus Unit "A" #1-2 Test No. 5 Date 12-17-13
 Company Cobalt Energy LLC Elevation 1779 KB 1771 GL
 Address PO Box 8037 Wichita KS 67208
 Co. Rep / Geo. Colly Baker Rig SOUTHWIND #6
 Location: Sec. 2 Twp. 18 S Rge. 8 W Co. Rice State Ks

Interval Tested 3334-3365 Zone Tested A1 Buckle
 Anchor Length 31 Drill Pipe Run 3333 Mud Wt. 9.4
 Top Packer Depth 3329 Drill Collars Run 0 Vis 58
 Bottom Packer Depth 3334 Wt. Pipe Run 0 WL 7.6
 Total Depth 3365 Chlorides 6700 ppm System LCM TR

Blow Description FF-Strong Blow BOB IN 1 min
ISF-Dead No Blow Back
FF-Strong Blow BOB IN 1 min
ISF-Dead No Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>1134</u>	<u>Feet of MW</u>			<u>80%</u>	<u>20%</u>
<u>94</u>	<u>Feet of SOCWM</u>		<u>5%</u>	<u>45%</u>	<u>50%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1228 BHT 120 Gravity API RW, 398 @ 58.1° F Chlorides 20,000 ppm

- | | | |
|-------------------------------------|--|--|
| (A) Initial Hydrostatic <u>1652</u> | <input checked="" type="checkbox"/> Test <u>1150</u> | T-On Location <u>4:29</u> |
| (B) First Initial Flow <u>105</u> | <input checked="" type="checkbox"/> Jars <u>250</u> | T-Started <u>9:48</u> |
| (C) First Final Flow <u>350</u> | <input type="checkbox"/> Safety Joint <u>75</u> | T-Open <u>11:15</u> |
| (D) Initial Shut-In <u>1152</u> | <input checked="" type="checkbox"/> Circ Sub <u>50</u> | T-Pulled <u>13:00</u> |
| (E) Second Initial Flow <u>357</u> | <input type="checkbox"/> Hourly Standby | T-Out <u>16:08</u> |
| (F) Second Final Flow <u>573</u> | <input type="checkbox"/> Mileage | Comments |
| (G) Final Shut-In <u>1152</u> | <input type="checkbox"/> Sampler | |
| (H) Final Hydrostatic <u>1417</u> | <input type="checkbox"/> Straddle | <input type="checkbox"/> Ruined Shale Packer |

Initial Open 15
 Initial Shut-In 30
 Final Flow 15
 Final Shut-In 45

Shale Packer
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1525

Sub Total 1525

Approved By _____ Our Representative Jeff Brown

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