



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Corey Baker

Eley Unit A # 1-27

27-18s-25w Ness, KS

Start Date: 2013.09.10 @ 22:58:00

End Date: 2013.09.11 @ 05:46:39

Job Ticket #: 53017 DST #: 1

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

Printed: 2013.09.13 @ 15:22:04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

27-18s-25w Ness, KS

PO Box 8037
Wichita KS 67208

Elsy Unit A # 1-27

ATTN: Corey Baker

Job Ticket: 53017

DST#: 1

Test Start: 2013.09.10 @ 22:58:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:09:25

Time Test Ended: 05:46:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 58

Interval: 4330.00 ft (KB) To 4375.00 ft (KB) (TVD)

Reference Elevations: 2447.00 ft (KB)

Total Depth: 4375.00 ft (KB) (TVD)

2437.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674 Inside

Press @ Run Depth: 28.02 psig @ 4331.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.10

End Date:

2013.09.11

Last Calib.: 2013.09.11

Start Time: 22:58:00

End Time:

05:46:39

Time On Btm: 2013.09.11 @ 01:09:10

Time Off Btm: 2013.09.11 @ 03:44:39

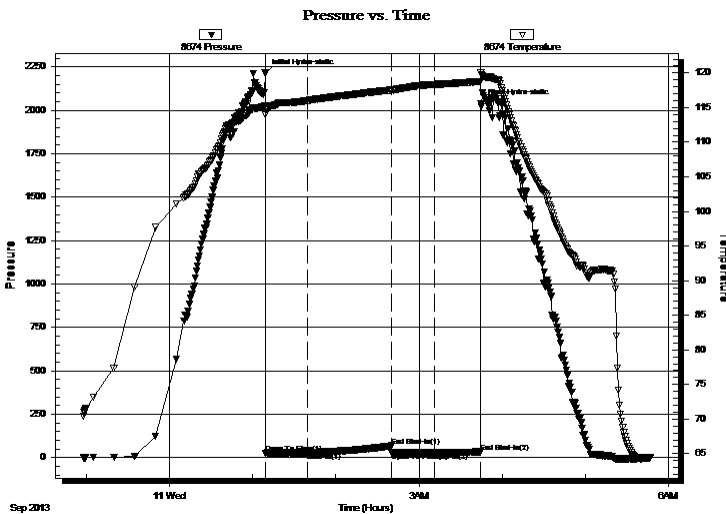
TEST COMMENT: IF- Weak Surface Blow Built to 1/2"

IS- No Blow

FF- No Blow

FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2211.10	115.24	Initial Hydro-static
1	25.98	113.94	Open To Flow (1)
30	28.02	115.98	Shut-In(1)
91	67.01	117.53	End Shut-In(1)
92	27.61	117.51	Open To Flow (2)
122	28.02	118.34	Shut-In(2)
156	32.73	118.80	End Shut-In(2)
156	2039.42	120.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% mud	0.21

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

27-18s-25w Ness, KS

PO Box 8037
Wichita KS 67208

Elsely Unit A # 1-27

ATTN: Corey Baker

Job Ticket: 53017

DST#: 1

Test Start: 2013.09.10 @ 22:58:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:09:25

Time Test Ended: 05:46:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Will MacLean

Unit No: 58

Interval: 4330.00 ft (KB) To 4375.00 ft (KB) (TVD)

Reference Elevations: 2447.00 ft (KB)

Total Depth: 4375.00 ft (KB) (TVD)

2437.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8355 Outside

Press @ Run Depth: psig @ 4331.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.10

End Date:

2013.09.11

Last Calib.:

2013.09.11

Start Time: 22:58:05

End Time:

05:47:59

Time On Btm:

Time Off Btm:

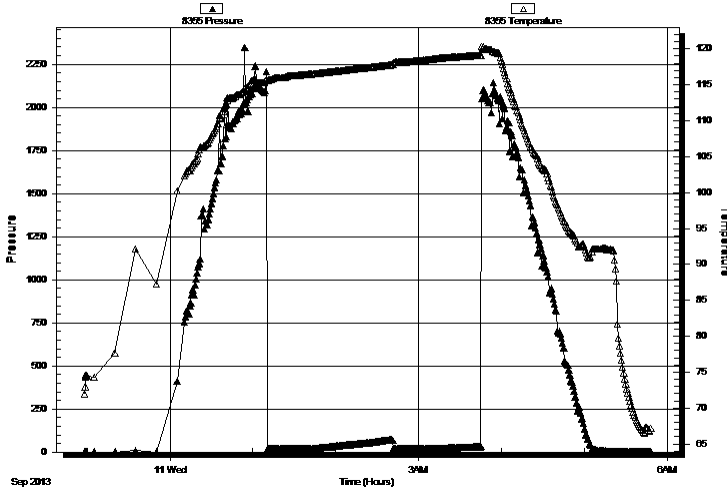
TEST COMMENT: IF- Weak Surface Blow Built to 1/2"

IS- No Blow

FF- No Blow

FS- No Blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100% mud	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

27-18s-25w Ness, KS

PO Box 8037
Wichita KS 67208

Elsely Unit A # 1-27

ATTN: Corey Baker

Job Ticket: 53017

DST#: 1

Test Start: 2013.09.10 @ 22:58:00

Tool Information

Drill Pipe:	Length: 4326.00 ft	Diameter: 3.80 inches	Volume: 60.68 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 16000.00 lb
			<u>Total Volume: 60.68 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4330.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	73.00 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			4303.00	
Shut In Tool	5.00			4308.00	
Hydraulic tool	5.00			4313.00	
Jars	5.00			4318.00	
Safety Joint	3.00			4321.00	
Packer	5.00			4326.00	28.00 Bottom Of Top Packer
Packer	4.00			4330.00	
Stubb	1.00			4331.00	
Recorder	0.00	8355	Outside	4331.00	
Recorder	0.00	8674	Inside	4331.00	
Perforations	7.00			4338.00	
Change Over Sub	1.00			4339.00	
Drill Pipe	30.00			4369.00	
Change Over Sub	1.00			4370.00	
Bullnose	5.00			4375.00	45.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

27-18s-25w Ness, KS

PO Box 8037
Wichita KS 67208

Elsey Unit A # 1-27

Job Ticket: 53017

DST#: 1

ATTN: Corey Baker

Test Start: 2013.09.10 @ 22:58:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100% mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

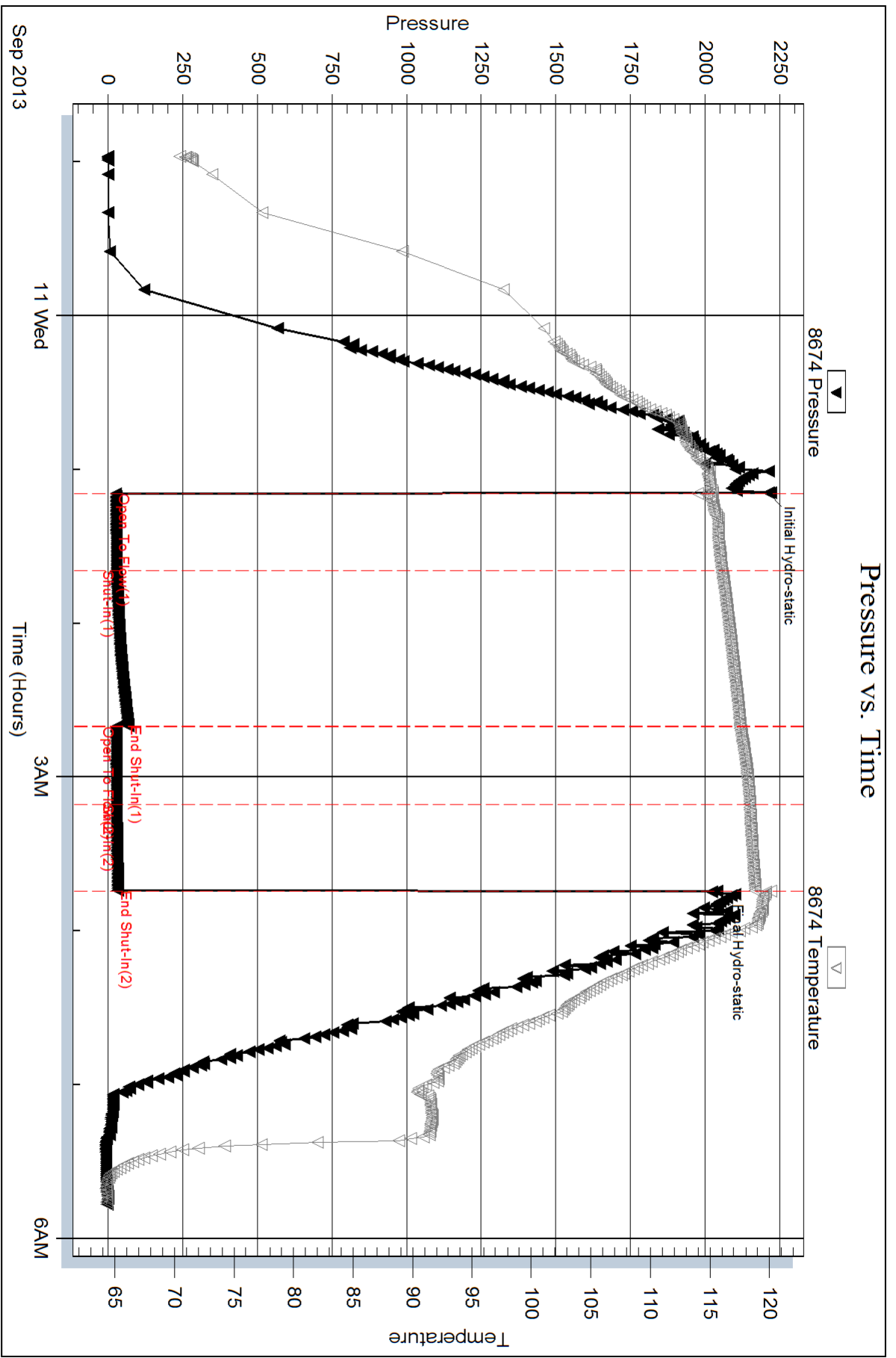
Num Gas Bombs: 0

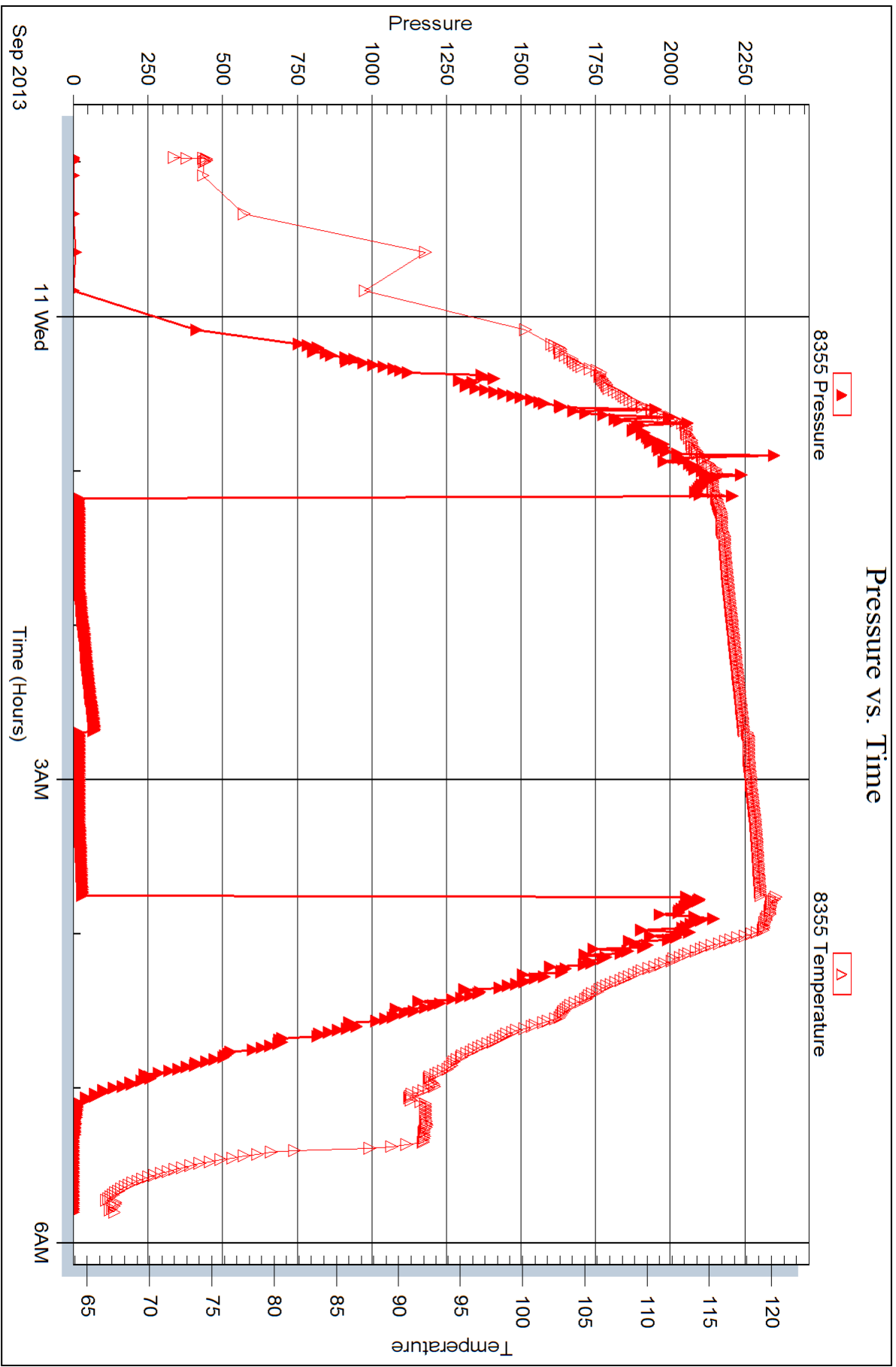
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Corey Baker

Elsey Unit A # 1-27

27-18s-25w Ness, KS

Start Date: 2013.09.11 @ 18:38:00

End Date: 2013.09.12 @ 01:34:24

Job Ticket #: 53018 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.13 @ 15:21:33



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

27-18s-25w Ness, KS

PO Box 8037
Wichita KS 67208

Elsy Unit A # 1-27

ATTN: Corey Baker

Job Ticket: 53018

DST#: 2

Test Start: 2013.09.11 @ 18:38:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:12:10

Time Test Ended: 01:34:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4386.00 ft (KB) To 4457.00 ft (KB) (TVD)

Reference Elevations: 2447.00 ft (KB)

Total Depth: 4457.00 ft (KB) (TVD)

2437.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 89.35 psig @ 4387.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.11

End Date:

2013.09.12

Last Calib.:

2013.09.12

Start Time: 18:38:00

End Time:

01:34:24

Time On Btm:

2013.09.11 @ 21:11:10

Time Off Btm:

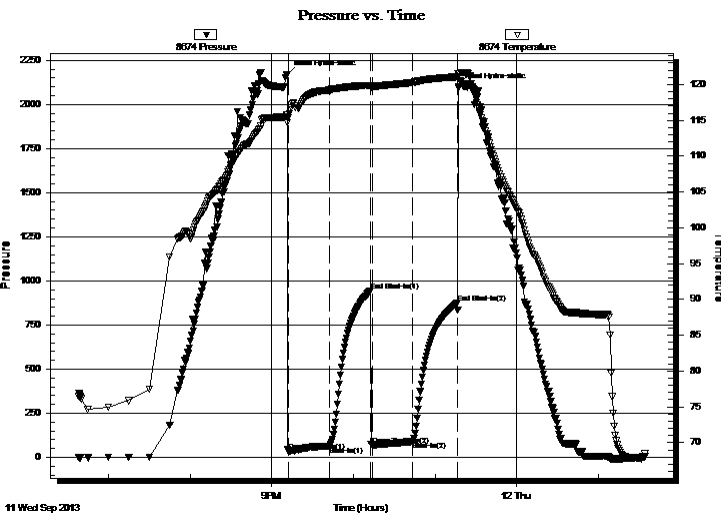
2013.09.11 @ 23:16:54

TEST COMMENT: IF- Weak Surface Bow Died in 18 1/2"

IS- No Blow

FF- No Blow

FS- 2" Blow at 20min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2170.62	115.82	Initial Hydro-static
1	36.48	115.42	Open To Flow (1)
31	64.81	119.20	Shut-In(1)
62	943.53	119.88	End Shut-In(1)
63	70.20	119.71	Open To Flow (2)
93	89.35	120.29	Shut-In(2)
126	876.41	121.08	End Shut-In(2)
126	2095.51	121.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	WOGCM 5%w 8%oil 12%g 75%m	0.87
52.00	WGO CM 4%w 10%g 26%oil 60%m	0.73
40.00	MGCO 8%m 27%g 65%oil	0.56
0.00	154' of GIP	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

27-18s-25w Ness, KS

PO Box 8037
Wichita KS 67208

Elsely Unit A # 1-27

Job Ticket: 53018

DST#: 2

ATTN: Corey Baker

Test Start: 2013.09.11 @ 18:38:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:12:10

Time Test Ended: 01:34:24

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4386.00 ft (KB) To 4457.00 ft (KB) (TVD)

Reference Elevations: 2447.00 ft (KB)

Total Depth: 4457.00 ft (KB) (TVD)

2437.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8355 Outside

Press @ Run Depth: psig @ 4387.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.11

End Date:

2013.09.12

Last Calib.:

2013.09.12

Start Time: 18:38:05

End Time:

01:35:59

Time On Btm:

Time Off Btm:

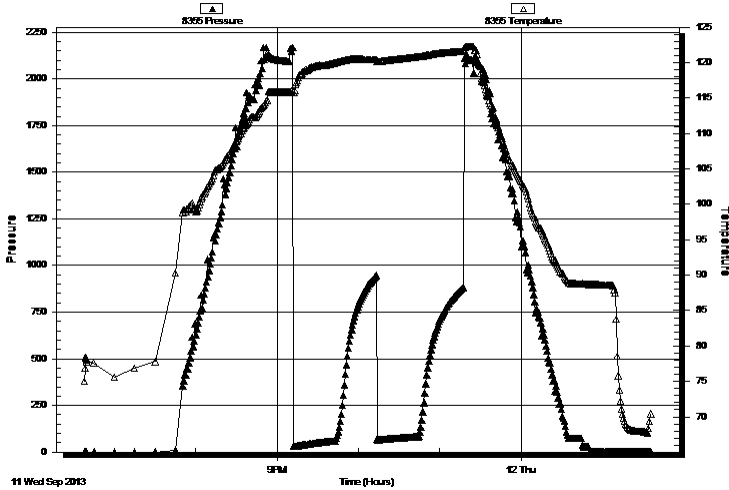
TEST COMMENT: IF- Weak Surface Bow Died in 18 1/2"

IS- No Blow

FF- No Blow

FSI- 2" Blow at 20min

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	WOGCM 5%w 8%oil 12%g 75%m	0.87
52.00	WGOCM 4%w 10%g 26%oil 60%m	0.73
40.00	MGCO 8%m 27%g 65%oil	0.56
0.00	154' of GIP	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

27-18s-25w Ness, KS

PO Box 8037
Wichita KS 67208

Elsely Unit A # 1-27

Job Ticket: 53018

DST#: 2

ATTN: Corey Baker

Test Start: 2013.09.11 @ 18:38:00

Tool Information

Drill Pipe:	Length: 4388.00 ft	Diameter: 3.80 inches	Volume: 61.55 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 28000.00 lb
			<u>Total Volume: 61.55 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4386.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4359.00	
Shut In Tool	5.00			4364.00	
Hydraulic tool	5.00			4369.00	
Jars	5.00			4374.00	
Safety Joint	3.00			4377.00	
Packer	5.00			4382.00	28.00 Bottom Of Top Packer
Packer	4.00			4386.00	
Stubb	1.00			4387.00	
Recorder	0.00	8355	Outside	4387.00	
Recorder	0.00	8674	Inside	4387.00	
Perforations	31.00			4418.00	
Change Over Sub	1.00			4419.00	
Drill Pipe	32.00			4451.00	
Change Over Sub	1.00			4452.00	
Bullnose	5.00			4457.00	71.00 Bottom Packers & Anchor

Total Tool Length: 99.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

27-18s-25w Ness, KS

PO Box 8037
Wichita KS 67208

Elsey Unit A # 1-27

Job Ticket: 53018

DST#: 2

ATTN: Corey Baker

Test Start: 2013.09.11 @ 18:38:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 11.54 in³
Resistivity: ohm.m
Salinity: 3600.00 ppm
Filter Cake: 2.00 inches

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

Oil API: 37 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	WOGCM 5%w 8%oil 12%g 75%m	0.870
52.00	WGO CM 4%w 10%g 26%oil 60%m	0.729
40.00	MGCO 8%m 27%g 65%oil	0.561
0.00	154' of GIP	0.000

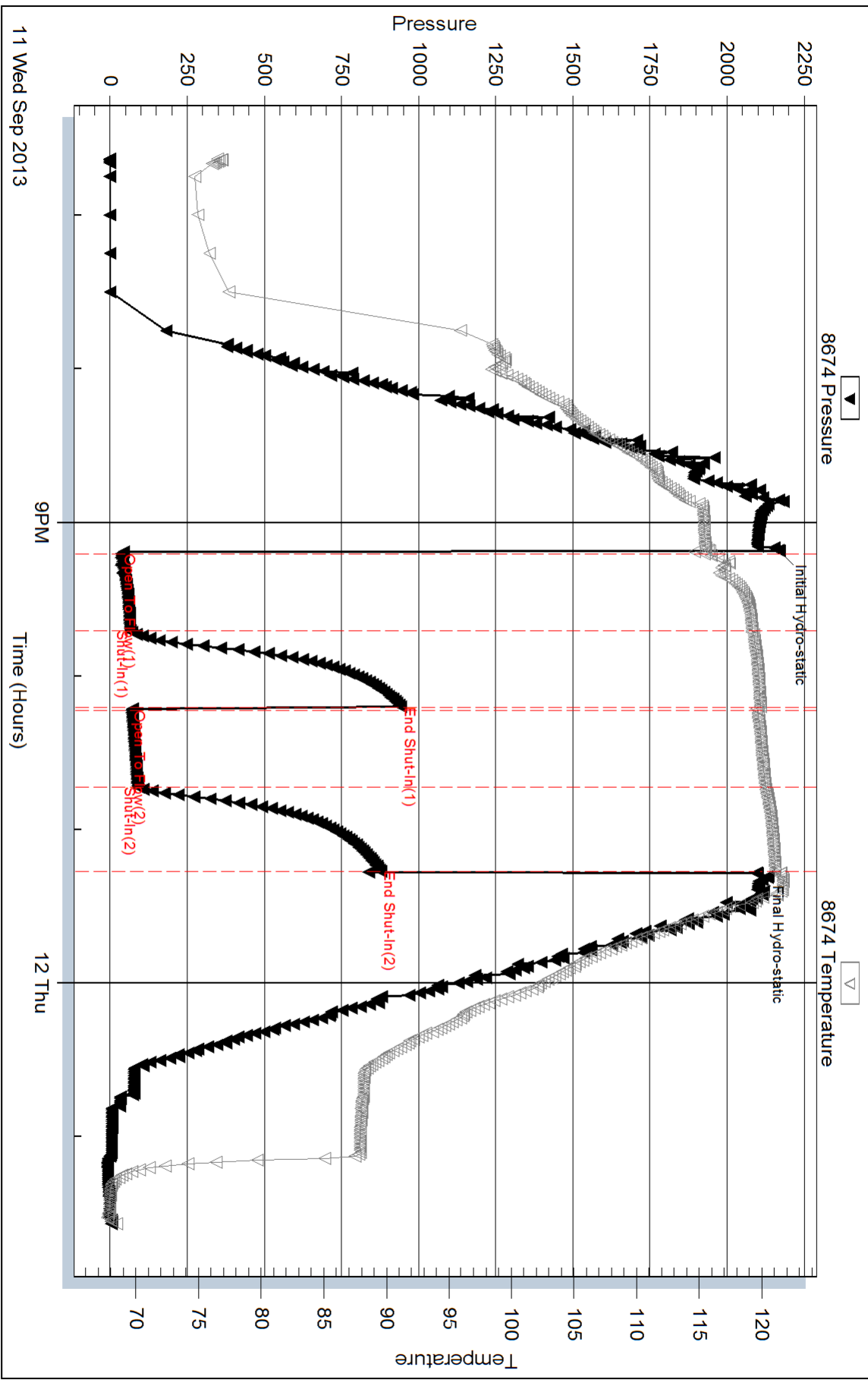
Total Length: 154.00 ft Total Volume: 2.160 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: API is 38 @ 70f = 37

Pressure vs. Time

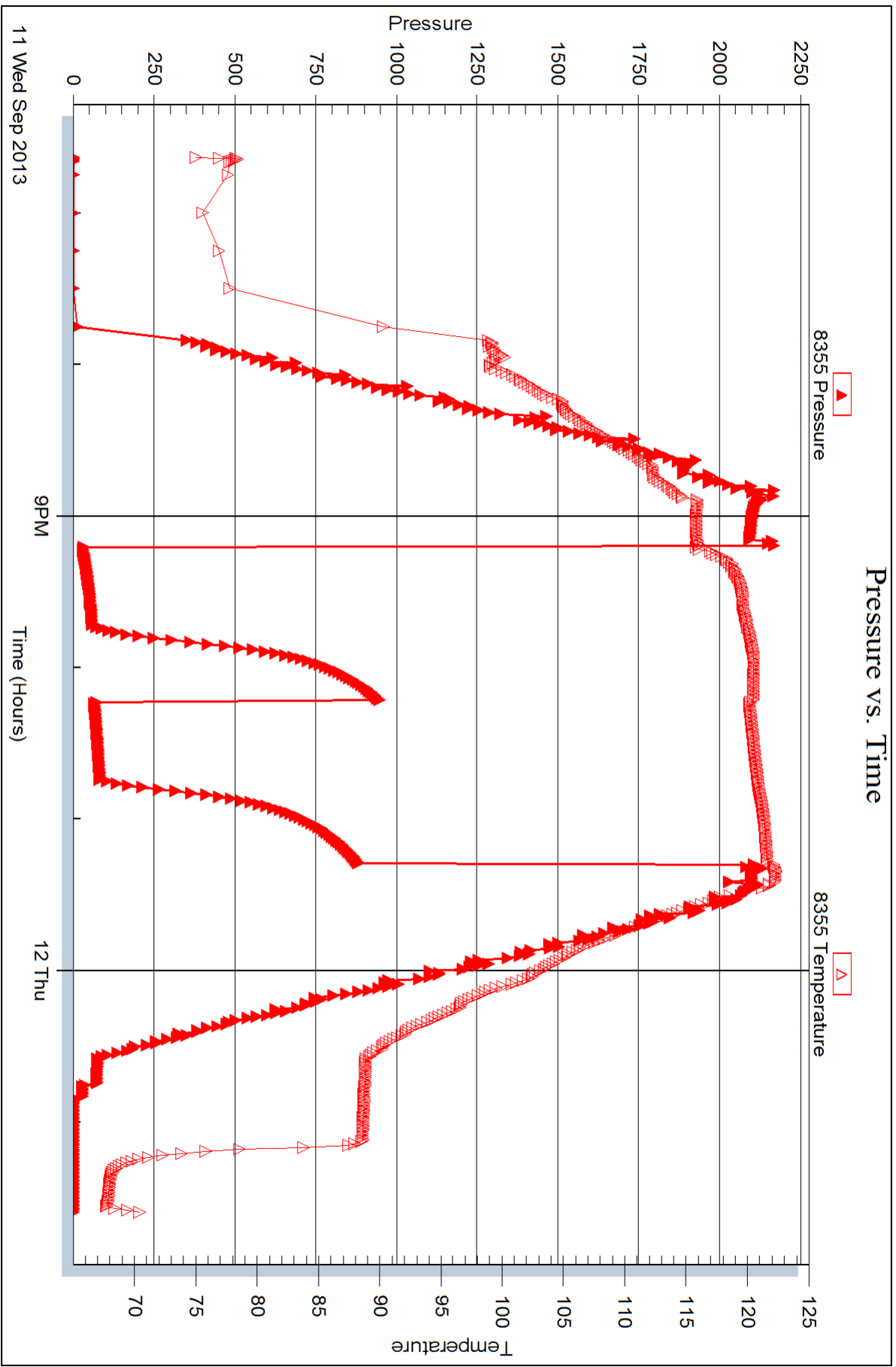


Serial #: 8355

Outside Cobalt Energy LLC

Esey Unit A # 1-27

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 53018

Printed: 2013.09.13 @ 15:21:34



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208

ATTN: Corey Baker

Eley Unit A # 1-27

27-18s-25w Ness, KS

Start Date: 2013.09.12 @ 08:28:00

End Date: 2013.09.12 @ 16:19:09

Job Ticket #: 53019 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.13 @ 15:20:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC

27-18s-25w Ness, KS

PO Box 8037
Wichita KS 67208

Elsy Unit A # 1-27

ATTN: Corey Baker

Job Ticket: 53019

DST#: 3

Test Start: 2013.09.12 @ 08:28:00

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:06:25

Time Test Ended: 16:19:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Will MacLean

Unit No: 58

Interval: 4455.00 ft (KB) To 4470.00 ft (KB) (TVD)

Reference Elevations: 2447.00 ft (KB)

Total Depth: 4470.00 ft (KB) (TVD)

2437.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8674

Inside

Press @ Run Depth: 69.87 psig @ 4456.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.12

End Date:

2013.09.12

Last Calib.:

2013.09.12

Start Time: 08:28:00

End Time:

16:19:09

Time On Btm:

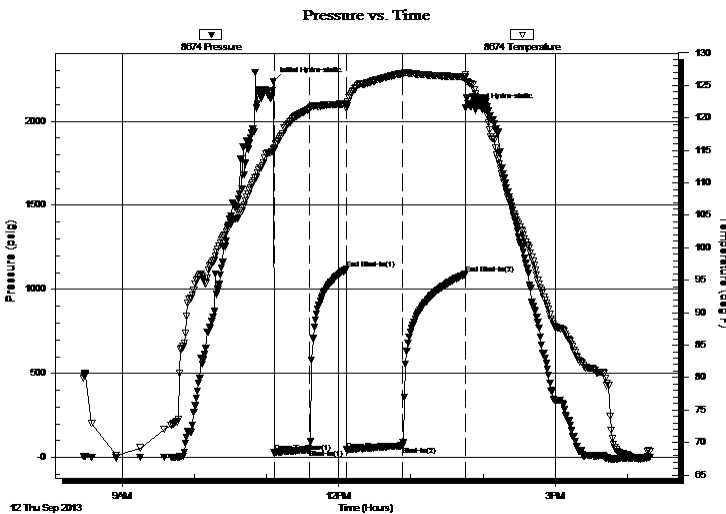
2013.09.12 @ 11:05:40

Time Off Btm:

2013.09.12 @ 13:45:39

TEST COMMENT: IF- Very Weak Surface Blow Died in 23 min
IS- No Blow
FF- No Blow - Flushed Tool 15 min into Open
FS- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2233.65	115.20	Initial Hydro-static
1	29.61	115.20	Open To Flow (1)
31	47.92	121.47	Shut-In(1)
61	1120.49	122.22	End Shut-In(1)
62	45.92	121.93	Open To Flow (2)
108	69.87	126.84	Shut-In(2)
160	1090.76	126.31	End Shut-In(2)
160	2077.49	126.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCW 44%w 56%w	0.87
20.00	WCM 15%w 85%w	0.28

* 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

27-18s-25w Ness, KS

PO Box 8037
Wichita KS 67208

Elsey Unit A # 1-27

ATTN: Corey Baker

Job Ticket: 53019

DST#: 3

Test Start: 2013.09.12 @ 08:28:00

Tool Information

Drill Pipe:	Length: 4451.00 ft	Diameter: 3.80 inches	Volume: 62.44 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 24000.00 lb
			<u>Total Volume: 62.44 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4455.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	43.00 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			4428.00	
Shut In Tool	5.00			4433.00	
Hydraulic tool	5.00			4438.00	
Jars	5.00			4443.00	
Safety Joint	3.00			4446.00	
Packer	5.00			4451.00	28.00 Bottom Of Top Packer
Packer	4.00			4455.00	
Stubb	1.00			4456.00	
Recorder	0.00	8355	Outside	4456.00	
Recorder	0.00	8674	Inside	4456.00	
Perforations	9.00			4465.00	
Bullnose	5.00			4470.00	15.00 Bottom Packers & Anchor

Total Tool Length: 43.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

27-18s-25w Ness, KS

PO Box 8037
Wichita KS 67208

Elsey Unit A # 1-27

Job Ticket: 53019

DST#: 3

ATTN: Corey Baker

Test Start: 2013.09.12 @ 08:28:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

37000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.56 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	MCW 44%m 56%w	0.870
20.00	WCM 15%w 85%m	0.281

Total Length: 82.00 ft Total Volume: 1.151 bbl

Num Fluid Samples: 0

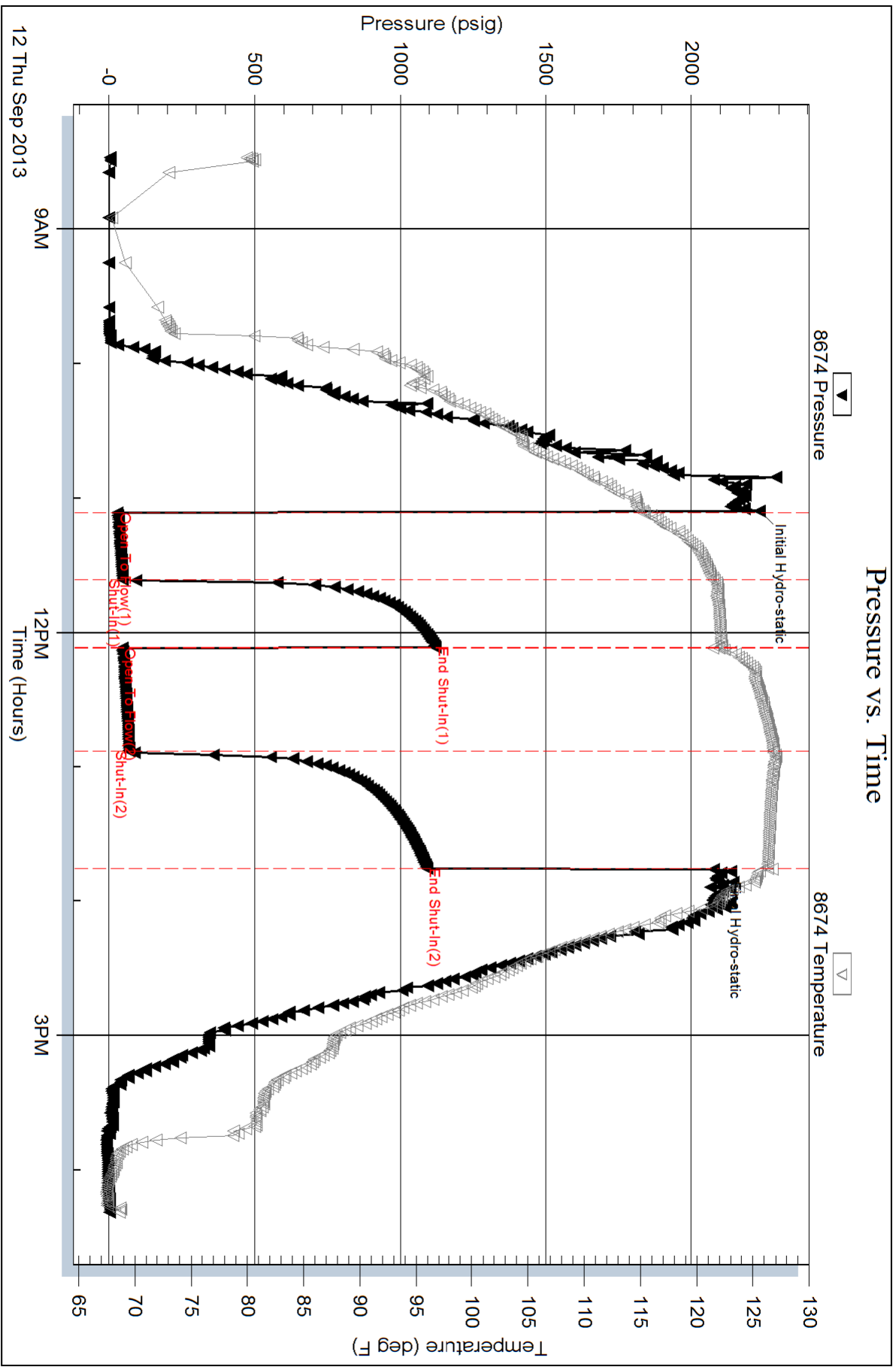
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW is .215 @ 60f = 37000

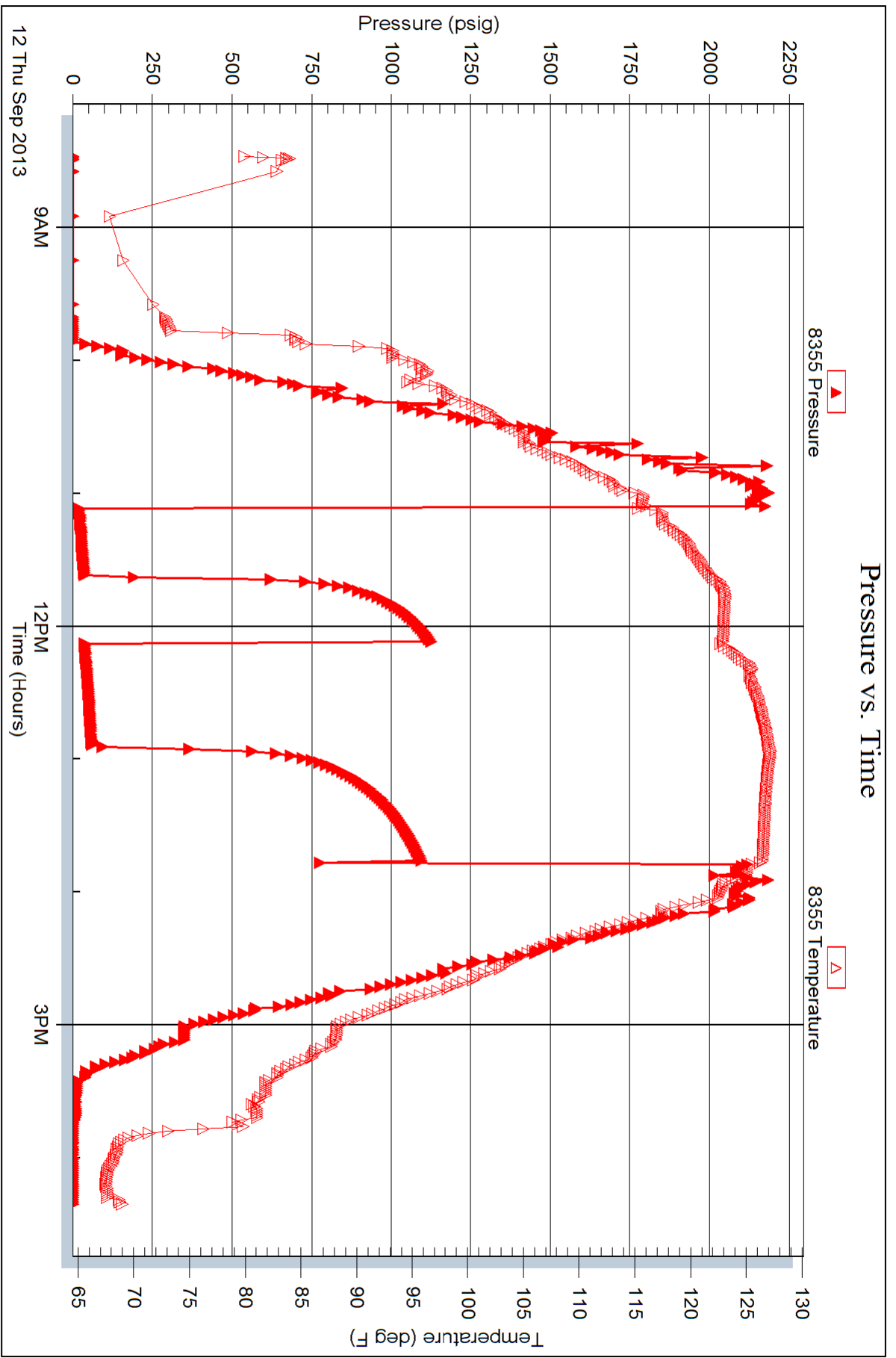


Serial #: 8355

Outside Cobalt Energy LLC

Esey Unit A # 1-27

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53017

Well Name & No. Elsey Unit A #1-27 Test No. DST #1 Date 9-10-13
 Company Cobalt Energy LLC Elevation 2447 KB 2437 GL
 Address P.O. Box 8037 Wichita KS 67208
 Co. Rep / Geo. Corey Baker Rig Southwind Rig #8
 Location: Sec. 27 Twp. 18s Rge. 25W Co. Ness State KS

Interval Tested 4330-4375 Zone Tested Ft. Scott
 Anchor Length 45 Drill Pipe Run 4326 Mud Wt. 9.1
 Top Packer Depth 4326 Drill Collars Run 0 Vis 61
 Bottom Packer Depth 4330 Wt. Pipe Run 0 WL 8.8
 Total Depth 4375 Chlorides 4300 ppm System LCM 116

Blow Description IF - Weak Surface Blow BUILT to 1/2"
ISI - No Blow
FF - No Blow
FS7 - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</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

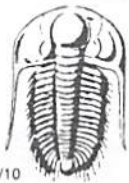
Rec Total 15 BHT 118 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2211 Test 1250 T-On Location 20:24
 (B) First Initial Flow 25 Jars 250 T-Started 22:58
 (C) First Final Flow 28 Safety Joint 75 T-Open 1:09
 (D) Initial Shut-In 67 Circ Sub NIC T-Pulled 3:44
 (E) Second Initial Flow 27 Hourly Standby T-Out 5:46
 (F) Second Final Flow 28 Mileage 98 R/T 151.90 Comments _____
 (G) Final Shut-In 32 Sampler _____
 (H) Final Hydrostatic 2039 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 60 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1726.90
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1726.90

Approved By Corey Baker Our Representative Will Mar

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. 53018

Well Name & No. Elsey Unit A #1-27 Test No. DST #2 Date 9-11-13
 Company Cobalt Energy LLC Elevation 2447 KB 2437 GL
 Address PO Box 8037 Wichita KS 67208
 Co. Rep / Geo. Corey Baker Rig Southwind Rgs #8
 Location: Sec. 27 Twp. 18s Rge. 25w Co. Ness State KS

Interval Tested 4386 - 4457 Zone Tested Mississippi
 Anchor Length 71 Drill Pipe Run 4388 Mud Wt. 9.3
 Top Packer Depth 4382 Drill Collars Run 0 Vis 55
 Bottom Packer Depth 4386 Wt. Pipe Run 0 WL 11.6
 Total Depth 4457 Chlorides 3600 ppm System LCM 215

Blow Description IF - Weak Surface Blow Dried in 18 1/2 min
ISI - No Blow
FF - No Blow
FST - 2" Blow at 20 min into Shut-in

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>MG-CO</u>	<u>27</u>	<u>65</u>	<u>8</u>	
<u>52</u>	<u>WG-OCM</u>	<u>10</u>	<u>26</u>	<u>4</u>	<u>60</u>
<u>62</u>	<u>WOG-CM</u>	<u>12</u>	<u>8</u>	<u>5</u>	<u>75</u>
	<u>154' G-IP</u>				

Rec Total 154 BHT 121 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2170 Test 1250 T-On Location 15:34
 (B) First Initial Flow 36 Jars 250 T-Started 18:38
 (C) First Final Flow 64 Safety Joint 75 T-Open 21:12
 (D) Initial Shut-In 943 Circ Sub N/C T-Pulled _____
 (E) Second Initial Flow 70 Hourly Standby _____ T-Out 1:34
 (F) Second Final Flow 89 Mileage 98 RIT 151.90 Comments _____
 (G) Final Shut-In 876 Sampler _____
 (H) Final Hydrostatic 2095 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1726.90
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1726.90

Approved By Corey A. Baker Our Representative Winn

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53019

Well Name & No. Elsey Unit "A" #1-27 Test No. DST #3 Date 9-12-13
 Company Cobalt Energy LLC Elevation 2447 KB 2437 GL
 Address P.O. Box 8037 Wichita KS 67208
 Co. Rep / Geo. Corey Baker Rig Southwind Rig #8
 Location: Sec. 27 Twp. 18s Rge. 25W Co. Ness State KS

Interval Tested 4455-4470 Zone Tested Mississippi
 Anchor Length 15 Drill Pipe Run 4451 Mud Wt. 9.3
 Top Packer Depth 4451 Drill Collars Run 0 Vis 55
 Bottom Packer Depth 4455 Wt. Pipe Run 0 WL 11.6
 Total Depth 4470 Chlorides 3600 ppm System LCM 216

Blow Description IF - Very Weak Surface Blow Drilled 23min
ISI - No Blow
FF - No Blow (Flushed Tool 15min into open)
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>WCM</u>		<u>15</u>	<u>85</u>	
<u>62</u>	<u>MCW</u>		<u>56</u>	<u>44</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 82 BHT 124 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2233</u>	<input checked="" type="checkbox"/> Test 1250	T-On Location <u>7:16</u>
(B) First Initial Flow <u>29</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>8:28</u>
(C) First Final Flow <u>47</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>11:06</u>
(D) Initial Shut-In <u>1120</u>	<input checked="" type="checkbox"/> Circ Sub	T-Pulled <u>13:45</u>
(E) Second Initial Flow <u>45</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>16:19</u>
(F) Second Final Flow <u>69</u>	<input checked="" type="checkbox"/> Mileage <u>98 RIT</u> 151.90	Comments _____
(G) Final Shut-In <u>1090</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2077</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Packer

Initial Open 30 Extra Packer Extra Copies
 Initial Shut-In 30 Extra Recorder Sub Total 0
 Final Flow 45 Day Standby Total 1726.90
 Final Shut-In 45 Accessibility MP/DST Disc't _____
 Sub Total 1726.90

Approved By Corey D. Baker Our Representative [Signature]
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