



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Corey

Hobbs 'A' #1-18

18-10s-24w Graham,KS

Start Date: 2012.01.10 @ 21:00:40

End Date: 2012.01.11 @ 08:33:40

Job Ticket #: 46222 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.01.17 @ 09:05:25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC

18-10s-24w Graham,KS

PO Box 8037
Wichita, KS 67208

Hobbs 'A' #1-18

Job Ticket: 46222

DST#: 1

ATTN: Corey

Test Start: 2012.01.10 @ 21:00:40

GENERAL INFORMATION:

Formation: **KC "A-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:44:40

Time Test Ended: 08:33:40

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 3766.00 ft (KB) To 3830.00 ft (KB) (TVD)

Reference Elevations: 2462.00 ft (KB)

Total Depth: 3830.00 ft (KB) (TVD)

2452.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8319 Outside

Press @ Run Depth: 362.49 psig @ 3767.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.10

End Date:

2012.01.11

Last Calib.:

2012.01.11

Start Time: 21:00:45

End Time:

08:33:40

Time On Btm:

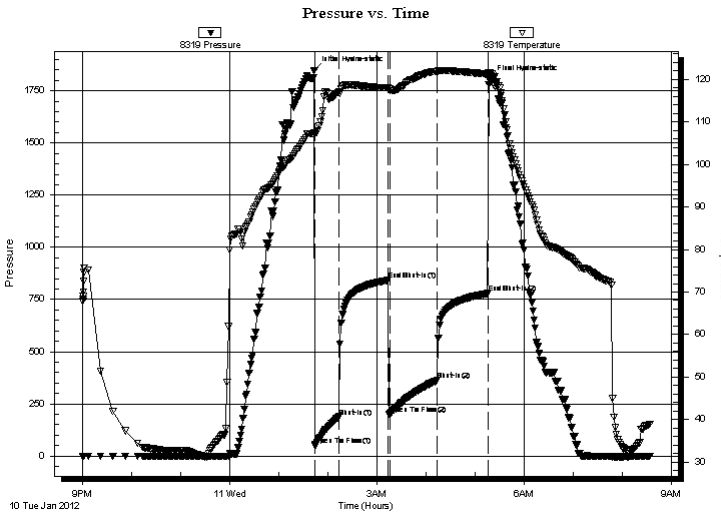
2012.01.11 @ 01:43:40

Time Off Btm:

2012.01.11 @ 05:17:40

TEST COMMENT: IF-BOB in 2 min
ISI-BOB in 24 min
FF-BOB in 4.5 min
FSI-BOB in 15 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1848.26	107.54	Initial Hydro-static
1	52.23	107.20	Open To Flow (1)
30	188.42	117.18	Shut-In(1)
91	842.18	118.03	End Shut-In(1)
92	199.53	117.65	Open To Flow (2)
150	362.49	121.91	Shut-In(2)
212	779.16	121.23	End Shut-In(2)
214	1803.80	121.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
500.00	GO 25%G 75%O	7.01
120.00	GOCM 30%G 25%O 45%M	1.68
120.00	GWMCO 15%G 50%O 10%W 25%M	1.68
120.00	MCW 60%W 40%M	1.68
0.00	1860 GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC
 PO Box 8037
 Wichita, KS 67208
 ATTN: Corey

18-10s-24w Graham,KS
Hobbs 'A' #1-18
 Job Ticket: 46222 **DST#: 1**
 Test Start: 2012.01.10 @ 21:00:40

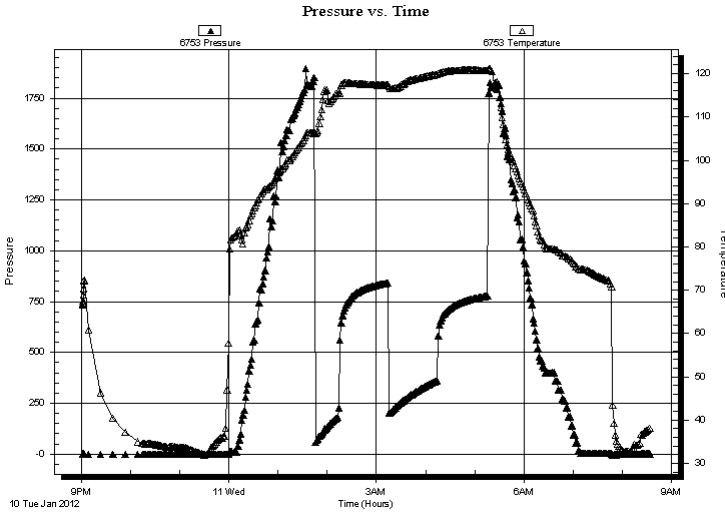
GENERAL INFORMATION:

Formation: **KC "A-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:44:40
 Time Test Ended: 08:33:40
Interval: 3766.00 ft (KB) To 3830.00 ft (KB) (TVD)
 Total Depth: 3830.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2462.00 ft (KB)
 2452.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6753 Inside
 Press@RunDepth: psig @ 3767.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.10 End Date: 2012.01.11 Last Calib.: 2012.01.11
 Start Time: 21:01:15 End Time: 08:33:40 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-BOB in 2 min
 ISI-BOB in 24 min
 FF-BOB in 4.5 min
 FSI-BOB in 15 min

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
500.00	GO 25%G 75%O	7.01
120.00	GOCM 30%G 25%O 45%M	1.68
120.00	GWMCO 15%G 50%O 10%W 25%M	1.68
120.00	MCW 60%W 40%M	1.68
0.00	1860 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

18-10s-24w Graham,KS

PO Box 8037
Wichita, KS 67208

Hobbs 'A' #1-18

Job Ticket: 46222

DST#: 1

ATTN: Corey

Test Start: 2012.01.10 @ 21:00:40

Tool Information

Drill Pipe:	Length: 3758.00 ft	Diameter: 3.80 inches	Volume: 52.71 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
				String Weight: Initial	54000.00 lb
Drill Pipe Above KB:	15.00 ft			Final	58000.00 lb
Depth to Top Packer:	3766.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	87.00 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			3744.00	
Shut In Tool	5.00			3749.00	
Hydraulic tool	5.00			3754.00	
Safety Joint	2.00			3756.00	
Packer	5.00			3761.00	23.00 Bottom Of Top Packer
Packer	5.00			3766.00	
Stubb	1.00			3767.00	
Recorder	0.00	6753	Inside	3767.00	
Recorder	0.00	8319	Outside	3767.00	
Perforations	4.00			3771.00	
Change Over Sub	1.00			3772.00	
Drill Pipe	32.00			3804.00	
Change Over Sub	1.00			3805.00	
Perforations	22.00			3827.00	
Bullnose	3.00			3830.00	64.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLc
PO Box 8037
Wichita, KS 67208
ATTN: Corey

18-10s-24w Graham,KS
Hobbs 'A' #1-18
Job Ticket: 46222 **DST#: 1**
Test Start: 2012.01.10 @ 21:00:40

Mud and Cushion Information

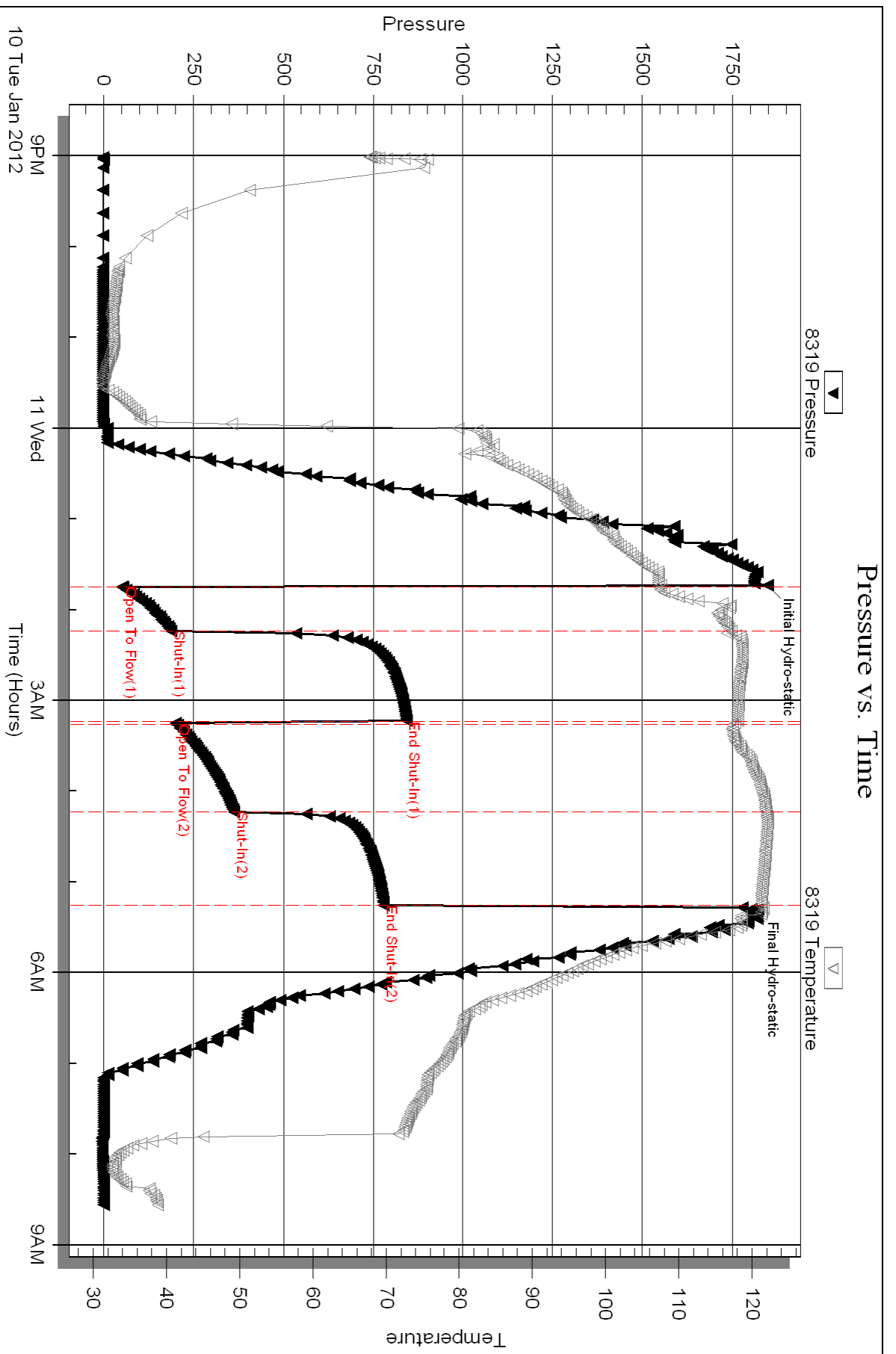
Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 150000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.59 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 800.00 ppm		
Filter Cake: inches		

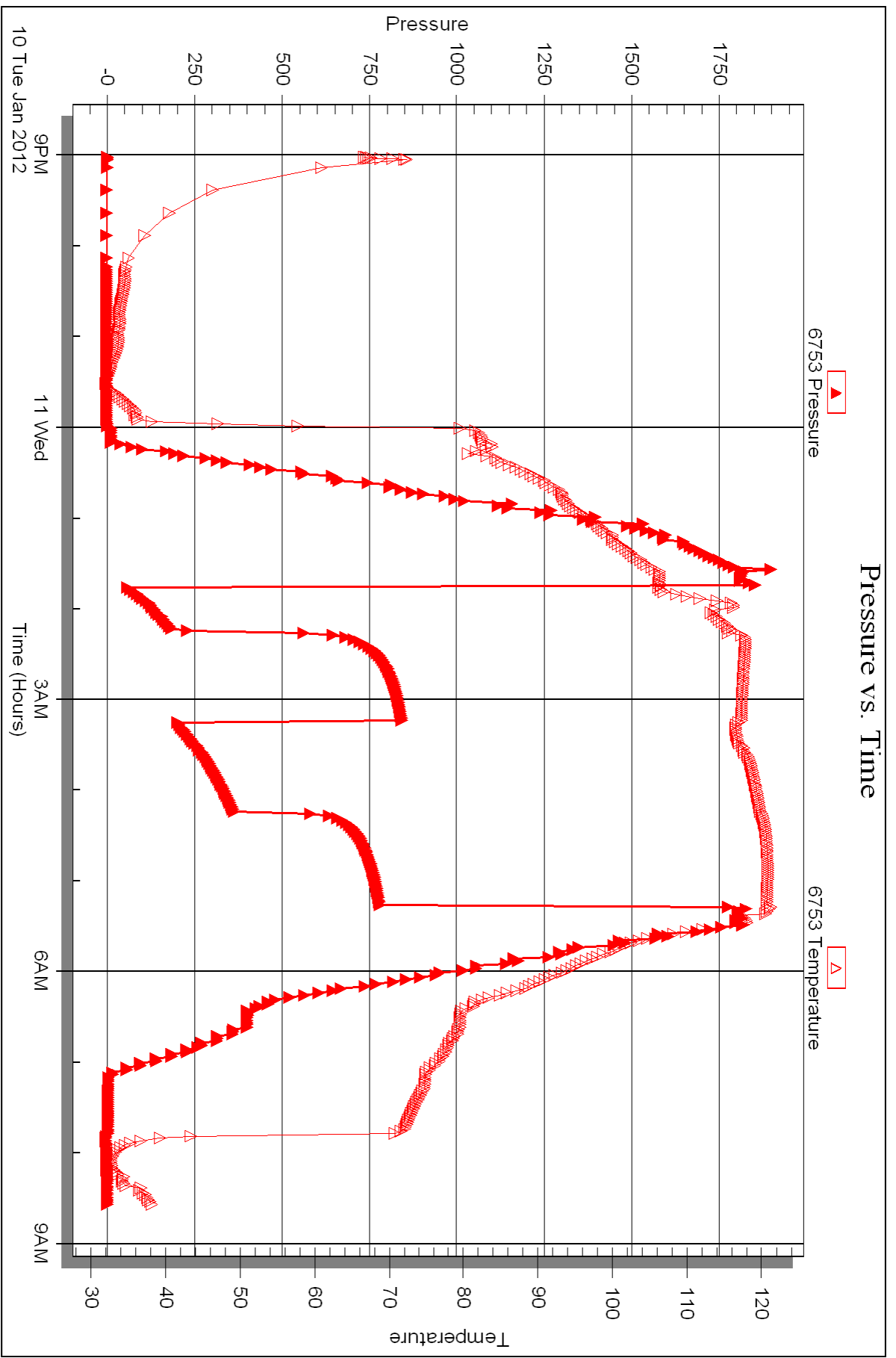
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
500.00	GO 25%G 75%O	7.014
120.00	GOCM 30%G 25%O 45%M	1.683
120.00	GWMCO 15%G 50%O 10%W 25%M	1.683
120.00	MCW 60%W 40%M	1.683
0.00	1860 GIP	0.000

Total Length: 860.00 ft Total Volume: 12.063 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW .12 @ 35







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Corey

Hobbs 'A' #1-18

18-10s-24w Graham,KS

Start Date: 2012.01.12 @ 00:10:10

End Date: 2012.01.12 @ 10:18:40

Job Ticket #: 46223 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.01.17 @ 09:04:02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy LLC
PO Box 8037
Wichita, KS 67208
ATTN: Corey

18-10s-24w Graham, KS
Hobbs 'A' #1-18
Job Ticket: 46223 **DST#: 2**
Test Start: 2012.01.12 @ 00:10:10

GENERAL INFORMATION:

Formation: **KC "H-J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:48:40
Time Test Ended: 10:18:40
Interval: **3892.00 ft (KB) To 3960.00 ft (KB) (TVD)**
Total Depth: 3960.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2462.00 ft (KB)
2452.00 ft (CF)
KB to GR/CF: 10.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Brett Dickinson
Unit No: 59

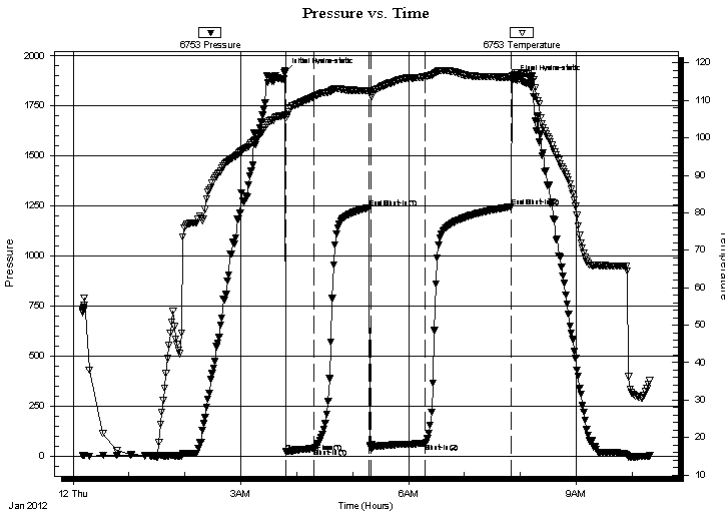
Serial #: 6753

Inside

Press @ Run Depth: 65.33 psig @ 3893.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.01.12 End Date: 2012.01.12 Last Calib.: 2012.01.12
Start Time: 00:10:15 End Time: 10:18:40 Time On Btm: 2012.01.12 @ 03:46:40
Time Off Btm: 2012.01.12 @ 07:51:40

TEST COMMENT: IF-BOB in 21 min
ISI-Weak surface blow died in 24 min
FF-BOB in 1 min
FSI-2" blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1914.83	105.90	Initial Hydro-static
2	21.27	105.32	Open To Flow (1)
32	38.56	110.95	Shut-In(1)
91	1242.66	112.56	End Shut-In(1)
93	41.14	111.42	Open To Flow (2)
152	65.33	116.35	Shut-In(2)
244	1246.56	116.19	End Shut-In(2)
245	1881.40	116.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GO 15%G 85%O	0.84
60.00	SGMCO 5%G 25%M 70%O	0.84
0.00	360' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

Cobalt Energy LLC

18-10s-24w Graham, KS

PO Box 8037
Wichita, KS 67208

Hobbs 'A' #1-18

Job Ticket: 46223

DST#: 2

ATTN: Corey

Test Start: 2012.01.12 @ 00:10:10

GENERAL INFORMATION:

Formation: **KC "H-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:48:40

Time Test Ended: 10:18:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: 3892.00 ft (KB) To 3960.00 ft (KB) (TVD)

Reference Elevations: 2462.00 ft (KB)

Total Depth: 3960.00 ft (KB) (TVD)

2452.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8319 **Outside**

Press @ Run Depth: psig @ 3893.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.01.12

End Date:

2012.01.12

Last Calib.:

2012.01.12

Start Time: 00:09:45

End Time:

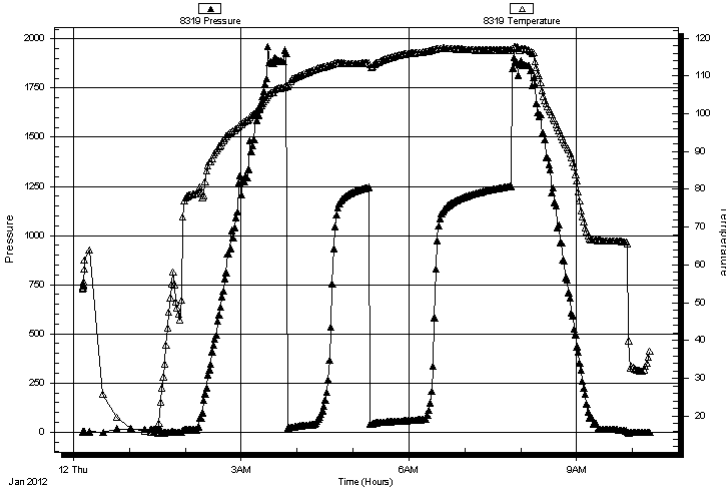
10:18:10

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-BOB in 21 min
ISI-Weak surface blow died in 24 min
FF-BOB in 1 min
FSI-2" blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
60.00	GO 15%G 85%O	0.84
60.00	SGMCO 5%G 25%M 70%O	0.84
0.00	360' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

18-10s-24w Graham,KS

PO Box 8037
Wichita, KS 67208

Hobbs 'A' #1-18

Job Ticket: 46223

DST#: 2

ATTN: Corey

Test Start: 2012.01.12 @ 00:10:10

Tool Information

Drill Pipe:	Length: 3885.00 ft	Diameter: 3.80 inches	Volume: 54.50 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: - bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3892.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	91.00 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			3870.00	
Shut In Tool	5.00			3875.00	
Hydraulic tool	5.00			3880.00	
Safety Joint	2.00			3882.00	
Packer	5.00			3887.00	23.00 Bottom Of Top Packer
Packer	5.00			3892.00	
Stubb	1.00			3893.00	
Recorder	0.00	6753	Inside	3893.00	
Recorder	0.00	8319	Outside	3893.00	
Perforations	4.00			3897.00	
Change Over Sub	1.00			3898.00	
Drill Pipe	32.00			3930.00	
Change Over Sub	1.00			3931.00	
Perforations	26.00			3957.00	
Bullnose	3.00			3960.00	68.00 Bottom Packers & Anchor

Total Tool Length: 91.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC
PO Box 8037
Wichita, KS 67208
ATTN: Corey

18-10s-24w Graham,KS
Hobbs 'A' #1-18
Job Ticket: 46223 **DST#: 2**
Test Start: 2012.01.12 @ 00:10:10

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 33 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 1600.00 ppm		
Filter Cake: inches		

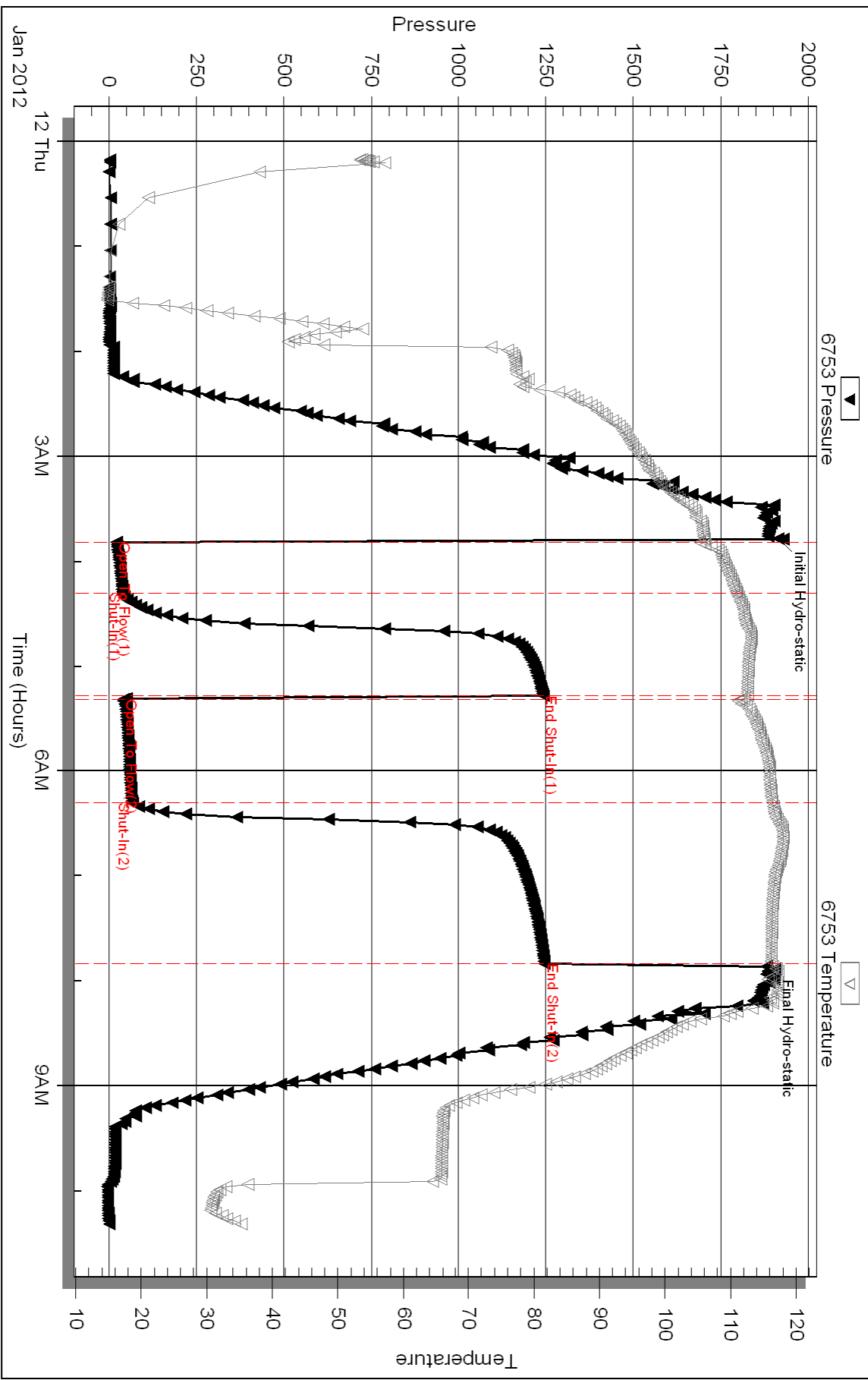
Recovery Information

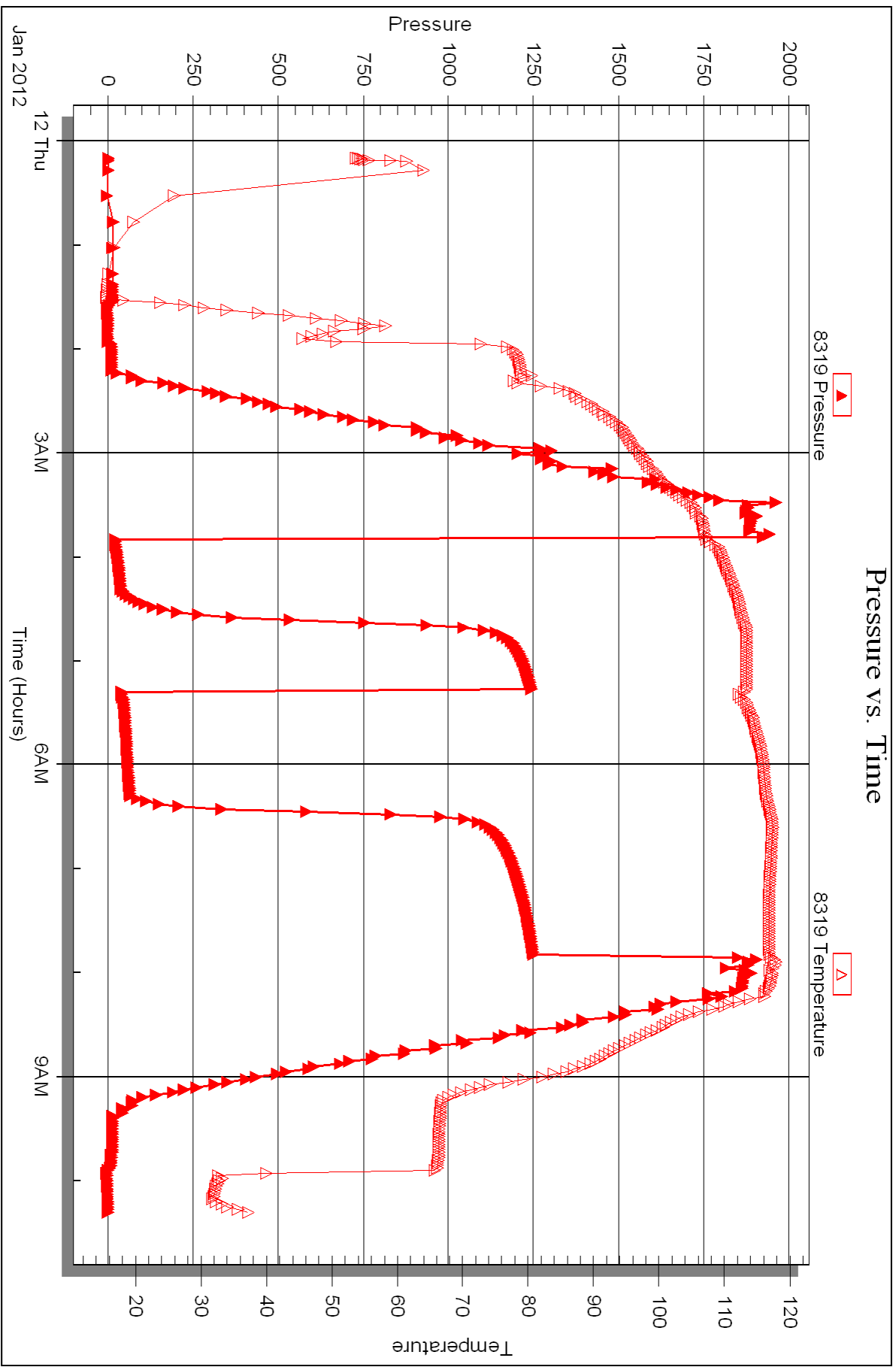
Recovery Table

Length ft	Description	Volume bbl
60.00	GO 15%G 85%O	0.842
60.00	SGMCO 5%G 25%M 70%O	0.842
0.00	360' GIP	0.000

Total Length: 120.00 ft Total Volume: 1.684 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: Corey

Hobbs 'A' #1-18

18-10s-24w Graham,KS

Start Date: 2012.01.12 @ 17:10:01

End Date: 2012.01.13 @ 03:01:31

Job Ticket #: 46224 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.01.17 @ 09:03:23



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC
 PO Box 8037
 Wichita, KS 67208
 ATTN: Corey

18-10s-24w Graham, KS
Hobbs 'A' #1-18
 Job Ticket: 46224 **DST#: 3**
 Test Start: 2012.01.12 @ 17:10:01

GENERAL INFORMATION:

Formation: **KC "K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:49:01
 Time Test Ended: 03:01:31
 Interval: **3964.00 ft (KB) To 3980.00 ft (KB) (TVD)**
 Total Depth: 3980.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2462.00 ft (KB)
 2452.00 ft (CF)
 KB to GR/CF: 10.00 ft

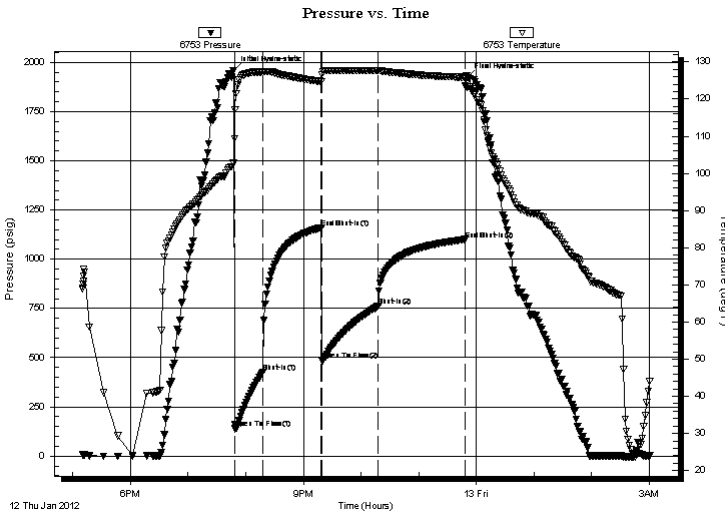
Serial #: 6753

Inside

Press@RunDepth: 761.81 psig @ 3965.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.01.12 End Date: 2012.01.13 Last Calib.: 2012.01.13
 Start Time: 17:10:06 End Time: 03:01:31 Time On Btm: 2012.01.12 @ 19:47:01
 Time Off Btm: 2012.01.12 @ 23:50:31

TEST COMMENT: IF-BOB in 1/2 min
 ISI-5.5" blow
 FF-BOB in 1 min
 FSI-9" blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1959.14	102.72	Initial Hydro-static
2	139.37	117.12	Open To Flow (1)
31	424.58	127.32	Shut-In(1)
92	1159.77	124.75	End Shut-In(1)
93	487.76	126.61	Open To Flow (2)
151	761.81	127.68	Shut-In(2)
241	1100.31	125.81	End Shut-In(2)
244	1923.24	123.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	GO 15%G 85%O	0.91
60.00	GSWCO 10%G 80%O 10%W	0.84
120.00	GOCW 10%G 20%O 70%W	1.68
60.00	SOCW 5%O 95%W	0.84
1335.00	water	18.73
0.00	240ft 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
PO Box 8037
Wichita, KS 67208
ATTN: Corey

18-10s-24w Graham, KS
Hobbs 'A' #1-18
Job Ticket: 46224 **DST#: 3**
Test Start: 2012.01.12 @ 17:10:01

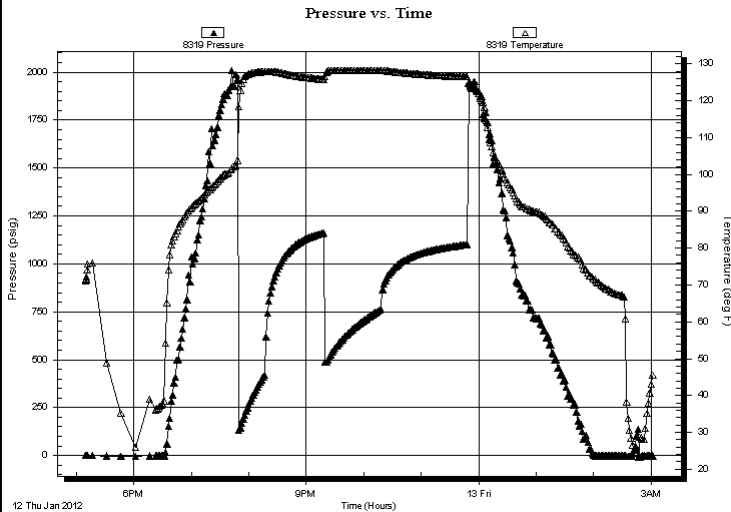
GENERAL INFORMATION:

Formation: **KC "K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:49:01
Time Test Ended: 03:01:31
Interval: **3964.00 ft (KB) To 3980.00 ft (KB) (TVD)**
Total Depth: 3980.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Brett Dickinson
Unit No: 59
Reference Elevations: 2462.00 ft (KB)
2452.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8319 Outside

Press @ Run Depth: psig @ 3965.00 ft (KB)
Start Date: 2012.01.12 End Date: 2012.01.13
Start Time: 17:09:37 End Time: 03:01:32
Capacity: 8000.00 psig
Last Calib.: 2012.01.13
Time On Btm:
Time Off Btm:

TEST COMMENT: IF-BOB in 1/2 min
ISI-5.5" blow
FF-BOB in 1 min
FSI-9" blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
65.00	GO 15%G 85%O	0.91
60.00	GSWCO 10%G 80%O 10%W	0.84
120.00	GOCW 10%G 20%O 70%W	1.68
60.00	SOCW 5%O 95%W	0.84
1335.00	water	18.73
0.00	240ft 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

18-10s-24w Graham,KS

PO Box 8037
Wichita, KS 67208

Hobbs 'A' #1-18

Job Ticket: 46224

DST#: 3

ATTN: Corey

Test Start: 2012.01.12 @ 17:10:01

Tool Information

Drill Pipe:	Length: 3949.00 ft	Diameter: 3.80 inches	Volume: 55.39 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3964.00 ft			Final	61000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 ft				
Tool Length:	39.00 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			3942.00	
Shut In Tool	5.00			3947.00	
Hydraulic tool	5.00			3952.00	
Safety Joint	2.00			3954.00	
Packer	5.00			3959.00	23.00 Bottom Of Top Packer
Packer	5.00			3964.00	
Stubb	1.00			3965.00	
Recorder	0.00	6753	Inside	3965.00	
Recorder	0.00	8319	Outside	3965.00	
Perforations	12.00			3977.00	
Bullnose	3.00			3980.00	16.00 Bottom Packers & Anchor

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

18-10s-24w Graham,KS

PO Box 8037
Wichita, KS 67208

Hobbs 'A' #1-18

Job Ticket: 46224

DST#: 3

ATTN: Corey

Test Start: 2012.01.12 @ 17:10:01

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

135000 ppm

Viscosity: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
65.00	GO 15%G 85%O	0.912
60.00	GSWCO 10%G 80%O 10%W	0.842
120.00	GOCW 10%G 20%O 70%W	1.683
60.00	SOCW 5%O 95%W	0.842
1335.00	water	18.727
0.00	240ft GIP	0.000

Total Length: 1640.00 ft Total Volume: 23.006 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .14 @ 32

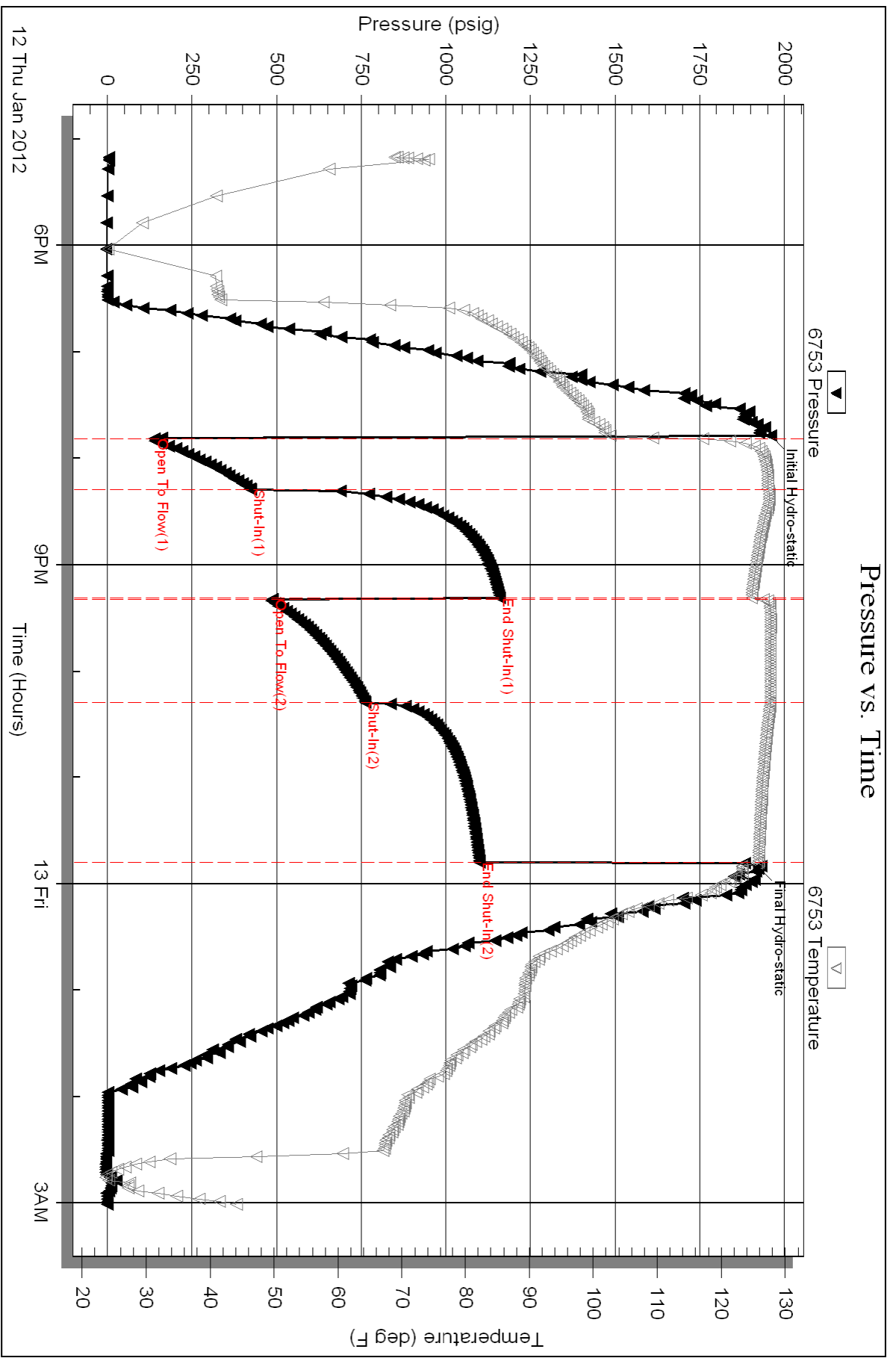
Serial #: 6753

Inside

Cobalt Energy LLC

Hobbs 'A' #1-18

DST Test Number: 3

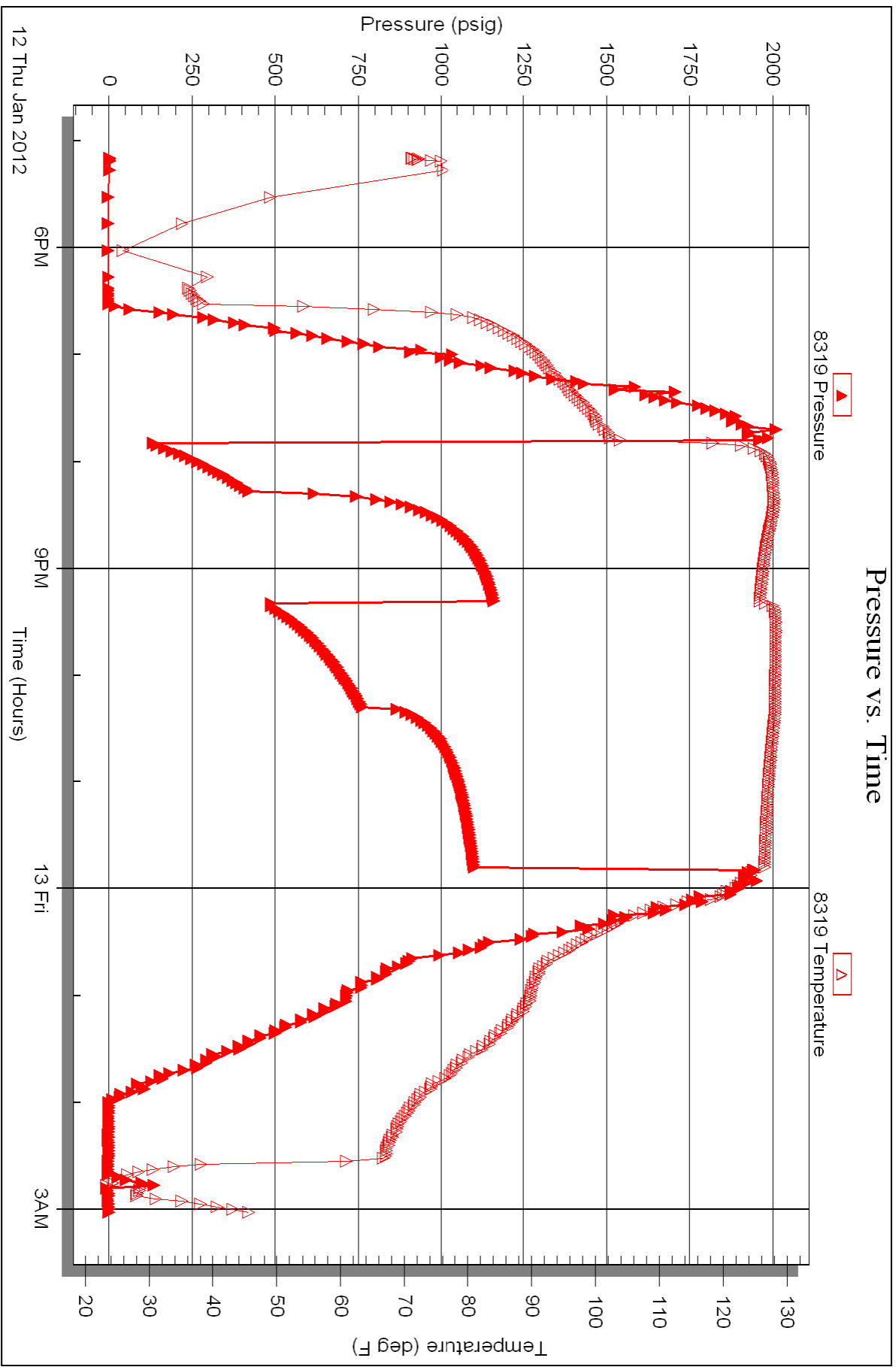


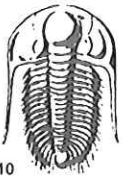
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Outside Cobalt Energy LLC

Hobbs 'A' #1-18

DST Test Number: 3





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 16 2012

Test Ticket

NO. 46222

Well Name & No. Hobbs 'A' #1-18 BY: _____ Test No. 1 Date 1/10/12
 Company Cobalt Energy LLC Elevation 2462 KB 2452 GL
 Address PO Box 8037 Wichita, KS 67208
 Co. Rep / Geo. _____ Rig Val #6
 Location: Sec. 18 Twp. 10s Rge. 24w Co. Graham State KS

Interval Tested 3766-3830 Zone Tested AC "A-D"
 Anchor Length 64 Drill Pipe Run 3758 Mud Wt. 8.9
 Top Packer Depth 3761 Drill Collars Run _____ Vis 51
 Bottom Packer Depth 3766 Wt. Pipe Run _____ WL 5.6
 Total Depth 3830 Chlorides 800 ppm System LCM #2
 Blow Description FF - BOB in 2 min
FSI - BOB in 24 min
FF - BOB in 4 1/2 min
FSI - BOB in 15 min

Rec	Feet of	%gas	%oil	%water	%mud
500	60	25	75		
120	60 CM	30	25	45	
120	6 WMC0	15	50	10	25
120	MCW			60	40
	1860 6IP				

Rec Total 860 BHT 121 Gravity 36 API RW .12 @ 35 °F Chlorides 15,000 ppm
 (A) Initial Hydrostatic 1,848 Test 1125 T-On Location 20:20
 (B) First Initial Flow 52 Jars _____ T-Started 21:00
 (C) First Final Flow 188 Safety Joint 75 T-Open 1:43
 (D) Initial Shut-In 842 Circ Sub _____ T-Pulled 5:13
 (E) Second Initial Flow 200 Hourly Standby 3 1/4 hrs 825 T-Out 8:30
 (F) Second Final Flow 362 Mileage 6.6 x 2 132 RT 184.80 Comments _____
 (G) Final Shut-In 779 Sampler _____
 (H) Final Hydrostatic 1,804 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1709.80
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1709.80

Approved By _____ Our Representative Brian D. ...

TriLOBite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



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RECEIVED
JAN 16 2012
BY: _____

Test Ticket

NO. 46223

Well Name & No. Hobbs 'A' #1-18 Test No. 2 Date 1/11/12
 Company Cobalt Energy LLC Elevation 2462 KB 2452 GL
 Address PO Box 8037 Wichita, KS 67208
 Co. Rep / Geo. _____ Rig Val #6
 Location: Sec. 18 Twp. 10s Rge. 24w Co. Graham State KS

Interval Tested 3892 - 3960 Zone Tested KC "H-J"
 Anchor Length 68 Drill Pipe Run 3885 Mud Wt. 9.3
 Top Packer Depth 3887 Drill Collars Run — Vis 47
 Bottom Packer Depth 3892 Wt. Pipe Run — WL 6.0
 Total Depth 3960 Chlorides 1,600 ppm System LCM 1

Blow Description IF - BOB in 21 min
FSI - wear surface blow died in 24 min
FF - BOB in 1 min
FSI - 2 in blow

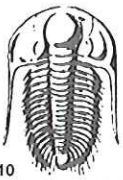
Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>60</u>	<u>15</u>	<u>85</u>		
<u>66</u>	<u>SG MCO</u>	<u>5</u>	<u>70</u>		<u>25</u>
Rec	Feet of <u>360' GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 120 BHT 116 Gravity 33 API RW @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1,915 Test 1125' T-On Location 23:50
 (B) First Initial Flow 21 Jars T-Started 00:10
 (C) First Final Flow 39 Safety Joint 75' T-Open 3:45
 (D) Initial Shut-In 1,243 Circ Sub T-Pulled 7:45
 (E) Second Initial Flow 41 Hourly Standby 1.5 hrs 150' T-Out 10:15
 (F) Second Final Flow 65 Mileage 66x2 132 RT 184.80 Comments _____
 (G) Final Shut-In 1,247 Sampler _____
 (H) Final Hydrostatic 1,881 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total Ø
 Day Standby _____ Total 1534.80
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1534.80

Approved By _____ Our Representative _____

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TRILOBITE TESTING INC.

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RECEIVED
JAN 16 2012

Test Ticket

NO. 46224

4/10

BY: _____

Well Name & No. Hobbs 'A' #178 Test No. 3 Date 1/12/12
 Company Cobalt Energy LLC Elevation 2462 KB 2452 GL
 Address PO Box 8037 Wichita, KS 67208
 Co. Rep / Geo. _____ Rig Va1#6
 Location: Sec. 18 Twp. 10s Rge. 24w Co. Graham State KS

Interval Tested 3964-3980 Zone Tested KC "K"
 Anchor Length 16 Drill Pipe Run 3949 Mud Wt. 9.3
 Top Packer Depth 3959 Drill Collars Run _____ Vis 47
 Bottom Packer Depth 3964 Wt. Pipe Run _____ WL 6.0
 Total Depth 3980 Chlorides 1,600 ppm System LCM 1
 Blow Description IF-BOB in 1/2 min
ISF-5 1/2 in blow
FF-BOB in 1 min
FSI-9 in blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>60</u>	<u>15</u>	<u>85</u>		
<u>60</u>	<u>65WCO</u>	<u>10</u>	<u>80</u>	<u>10</u>	
<u>120</u>	<u>60CW</u>	<u>10</u>	<u>20</u>	<u>70</u>	
<u>60</u>	<u>50CW</u>		<u>5</u>	<u>95</u>	
<u>1335</u>	<u>Water</u>				

Rec Total 1640 BHT 125 Gravity 35 API RW .14 @ 32 °F Chlorides 135,000 ppm
 (A) Initial Hydrostatic 1,959 Test 1125 T-On Location 16:50
 (B) First Initial Flow 139 Jars _____ T-Started 17:10
 (C) First Final Flow 425 Safety Joint 75 T-Open 19:45
 (D) Initial Shut-In 1,160 Circ Sub _____ T-Pulled 23:45
 (E) Second Initial Flow 488 Hourly Standby 14-100 T-Out 3:00
 (F) Second Final Flow 762 Mileage 66x2 132RT 184.80 Comments _____
 (G) Final Shut-In 1,100 Sampler _____
 (H) Final Hydrostatic 1,923 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60 90
 Final Shut-In _____
 Sub Total 1484.80
 Total 1484.80
 MP/DST Disc't _____

Approved By Cory Baker Our Representative Burt

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