



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1186069
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1186069

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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GEOLOGIST'S REPORT
DRILL TIME &
SAMPLE LOG

COMPANY: COBALT ENERGY, LLC
LEASE: Gustus Unit 'A' #1-2
FIELD: Wildcat

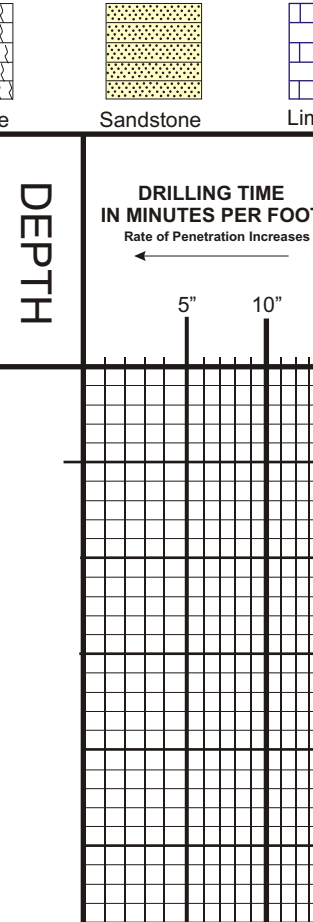
EL ELEVATIONS
KB: 1779'

LOCATION: 907' FNL & 2537' FEL
SEC. 2 TWP. 18S. RGE. 8W
COUNTY: Rice STATE: KS
CONTRACTOR: Southwind Drilling Co., Rig #6
SPUD: 12/01/13 COMP: 2/27/13
RTD: 3365' LTD: 3365'
MUD UP: 2537' TYPE MUD: Chemical

CASING
Conductor: NA
Surface: 8 5/8" @ 380'
Production: NA
Electrical Surveys: Radioation Guard Log

DRILLING TIME KEPT FROM 2400' TO RTD
SAMPLES EXAMINED FROM 2600' TO RTD
GEOLOGICAL SUPERVISION FROM 2600' TO RTD
GEOLOGIST ON WELL: Corey N. Baker
Pioneer Energy Services

FORMATION TOPS
ELECTRIC LOG
SAMPLE
Heebner 2696 (-917)
Brown Lime 2819 (-1040)
Lansing 2843 (-1064)
Stark 3075 (-1296)
BKC 3154 (-1375)
Viola 3251 (-1472)
Simpson Sand 3299 (-1520)
Simpson Shale 3342 (-1563)
RTD 3365 (-1586)
LTD 3356 (-1577)



REMARKS: The Gustus Unit 'A' #1-2 was drilled based on a 3D confirmed subsurface idea to encounter the Arbuckle at a higher datum than the offsetting dry holes. The top of the Arbuckle was encountered at a higher datum but the permeability was found too far into the Arbuckle. Based on samples, negative DST results and log tops, the Gustus Unit 'A' #1-2 was plugged & abandoned as a dry hole.

Loggers indicated some fill at TD. Respectfully Submitted, Corey Baker Vice President - Exploration Cobalt Energy, LLC

API #15-22759-00-00

LEGEND



Main log table with columns: LITHOLOGY, DEPTH, DRILLING TIME IN MINUTES PER FOOT, OIL SHOWS, SAMPLE DESCRIPTION, REMARKS. Includes detailed lithology descriptions and sample data.

Summary table with columns: LITHOLOGY, DEPTH, DRILLING TIME IN MINUTES PER FOOT, OIL SHOWS, SAMPLE DESCRIPTION, REMARKS.

Company: COBALT ENERGY, LLC Elevation: 1779' KB
Lease: Gustus Unit 'A' #1-2
Location: 907' FNL & 2537' FEL SEC. 2 TWP. 18S. RGE. 8W
County: Rice State: Kansas



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

Job Ticket: 039771

DST#: 1

ATTN: Corry Baker

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:

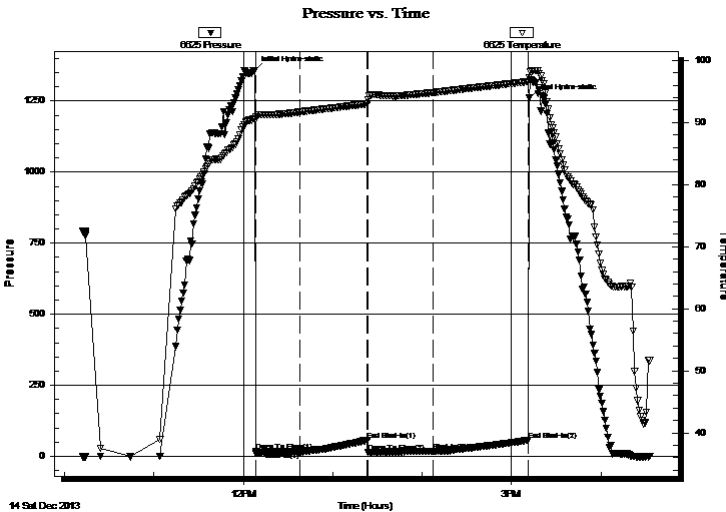
2013.12.14 @ 12:07:43

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

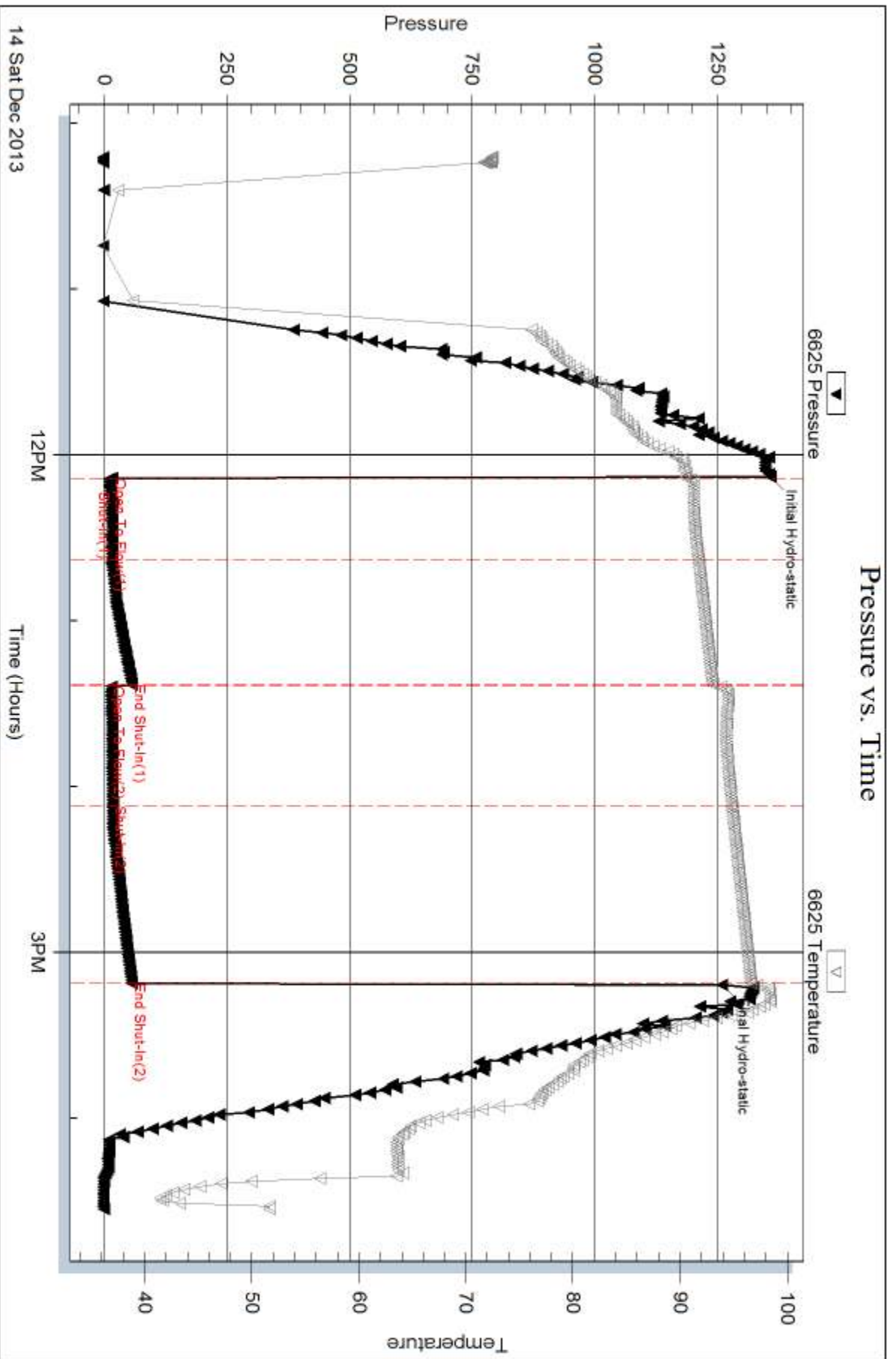
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



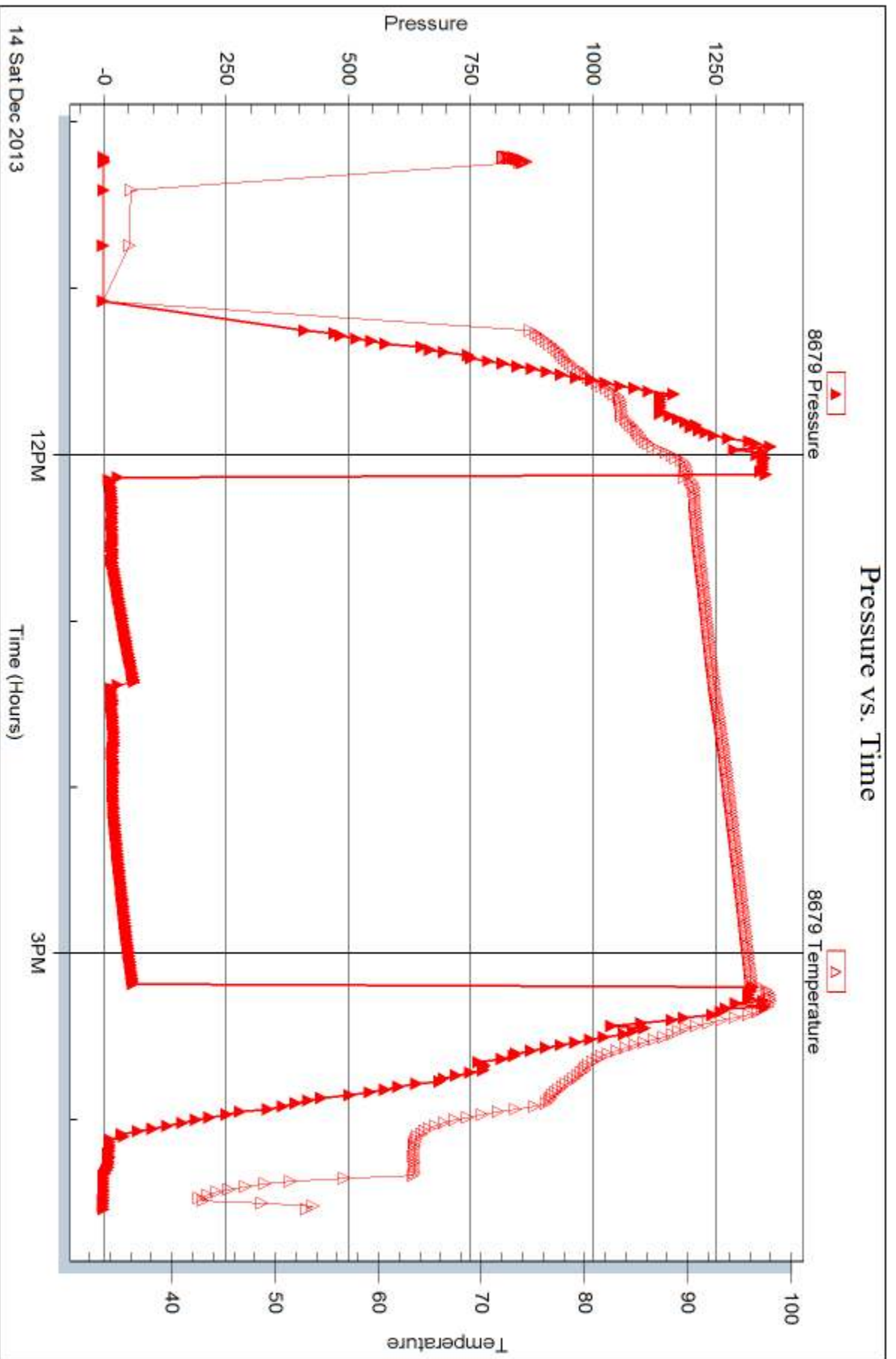
Serial #: 8679

Inside

Cobalt Energy LLC

Gustus Unit A #1-2

DST Test Number: 1



Tribble 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



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

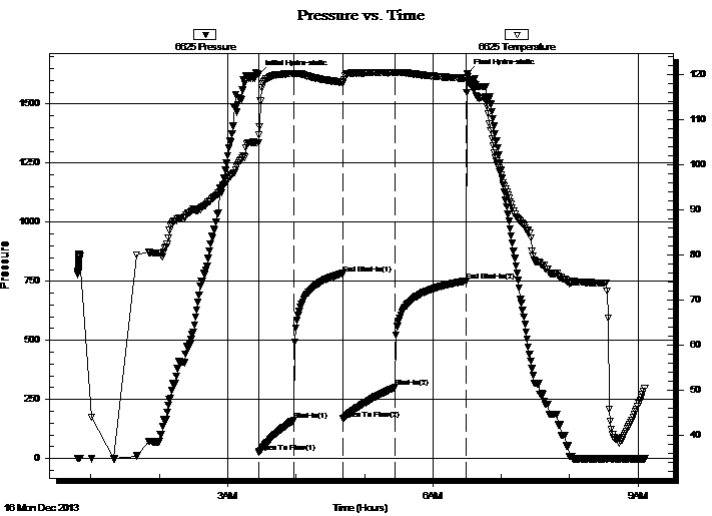
End Time:

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

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



**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: 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 bbl
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

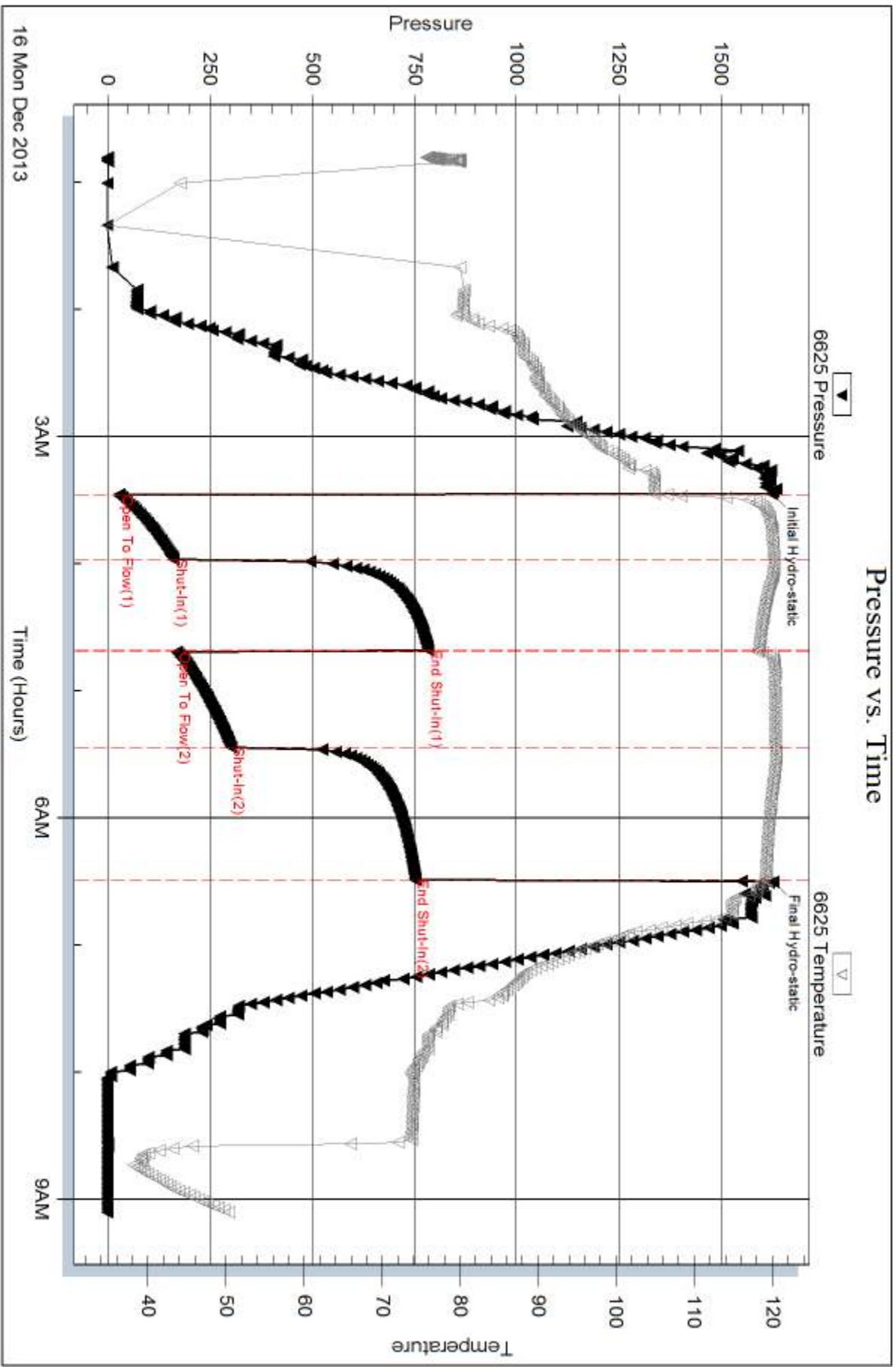
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



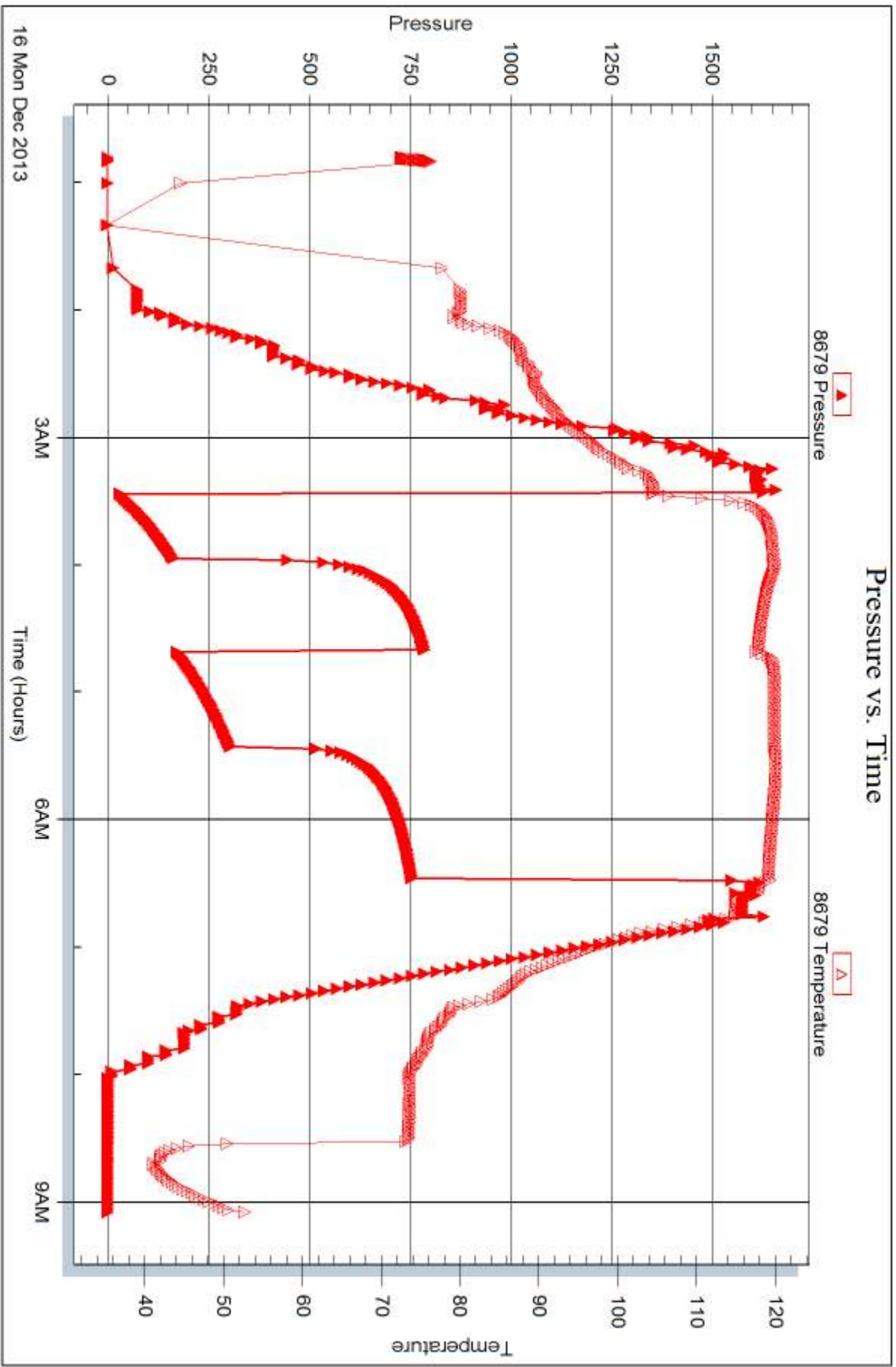
Serial #: 8679

Inside

Cobalt Energy LLC

Gustus Unit A #1-2

DST Test Number: 2





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

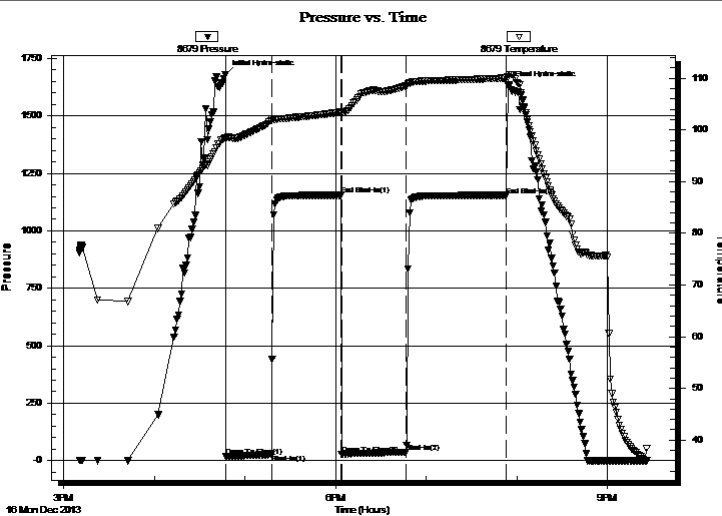
Last Calib.: 2013.12.16

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	

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: bbl

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

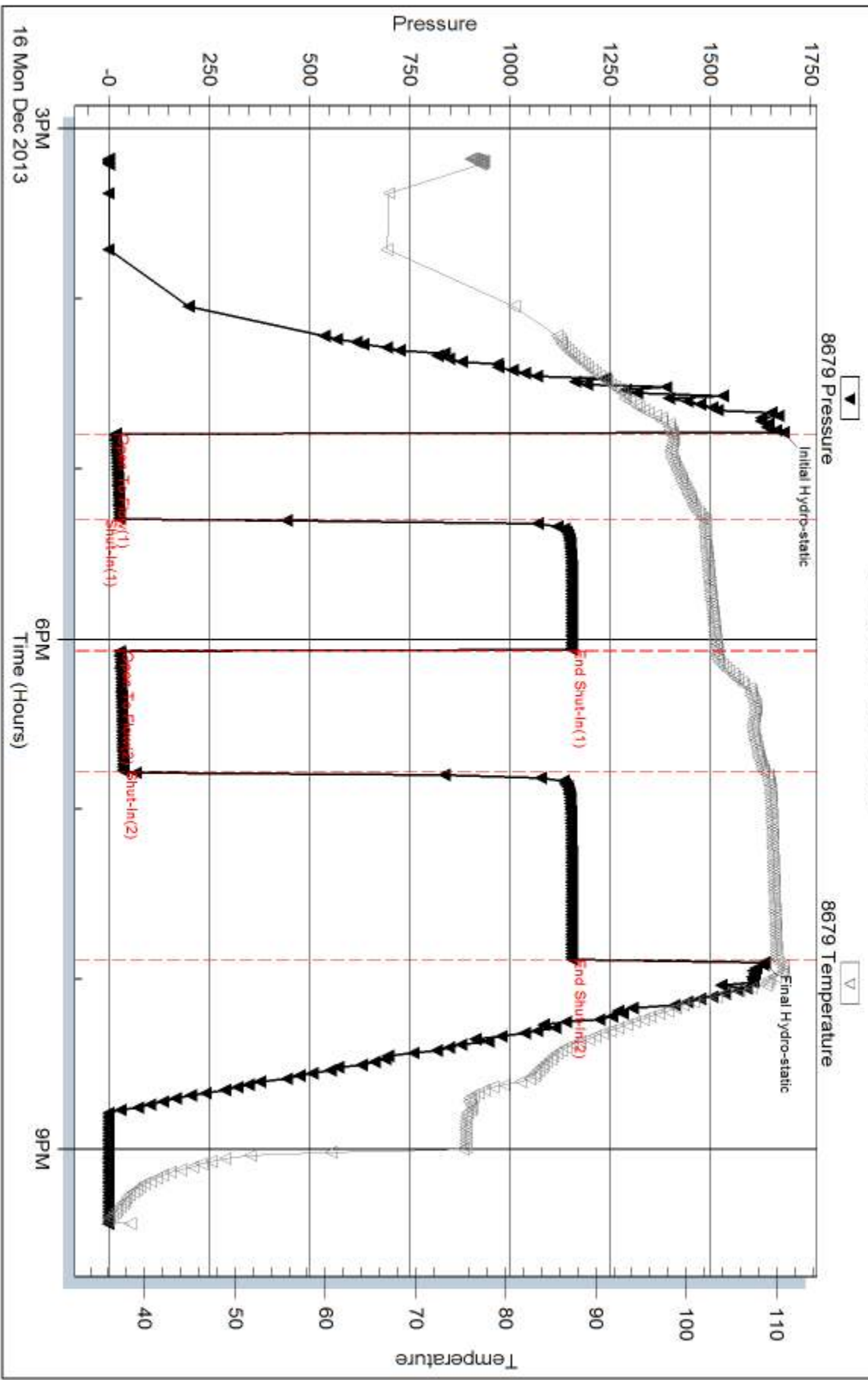
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

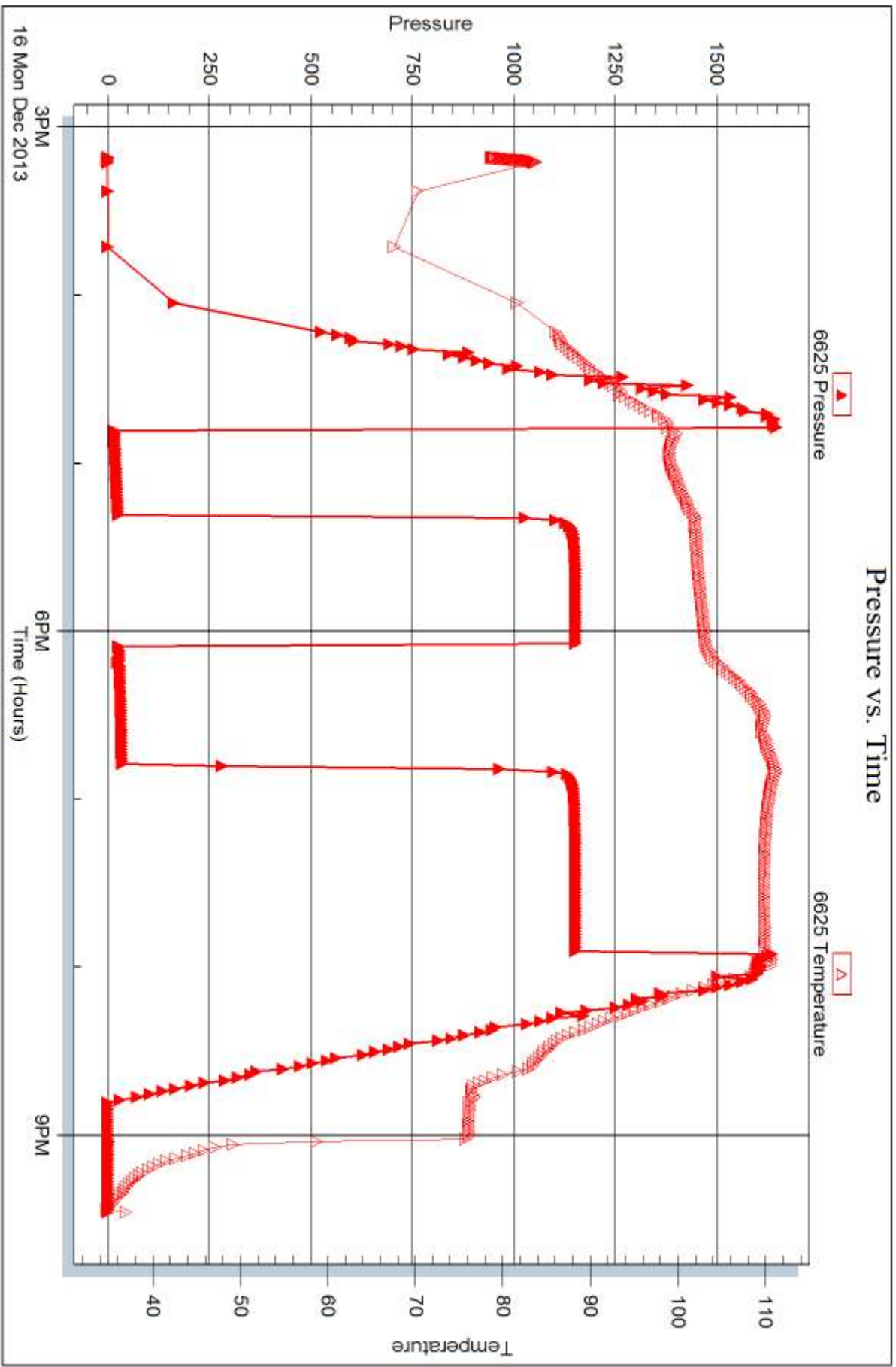
Pressure vs. Time



16 Mon Dec 2013

6PM
Time (Hours)

9PM





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



**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

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

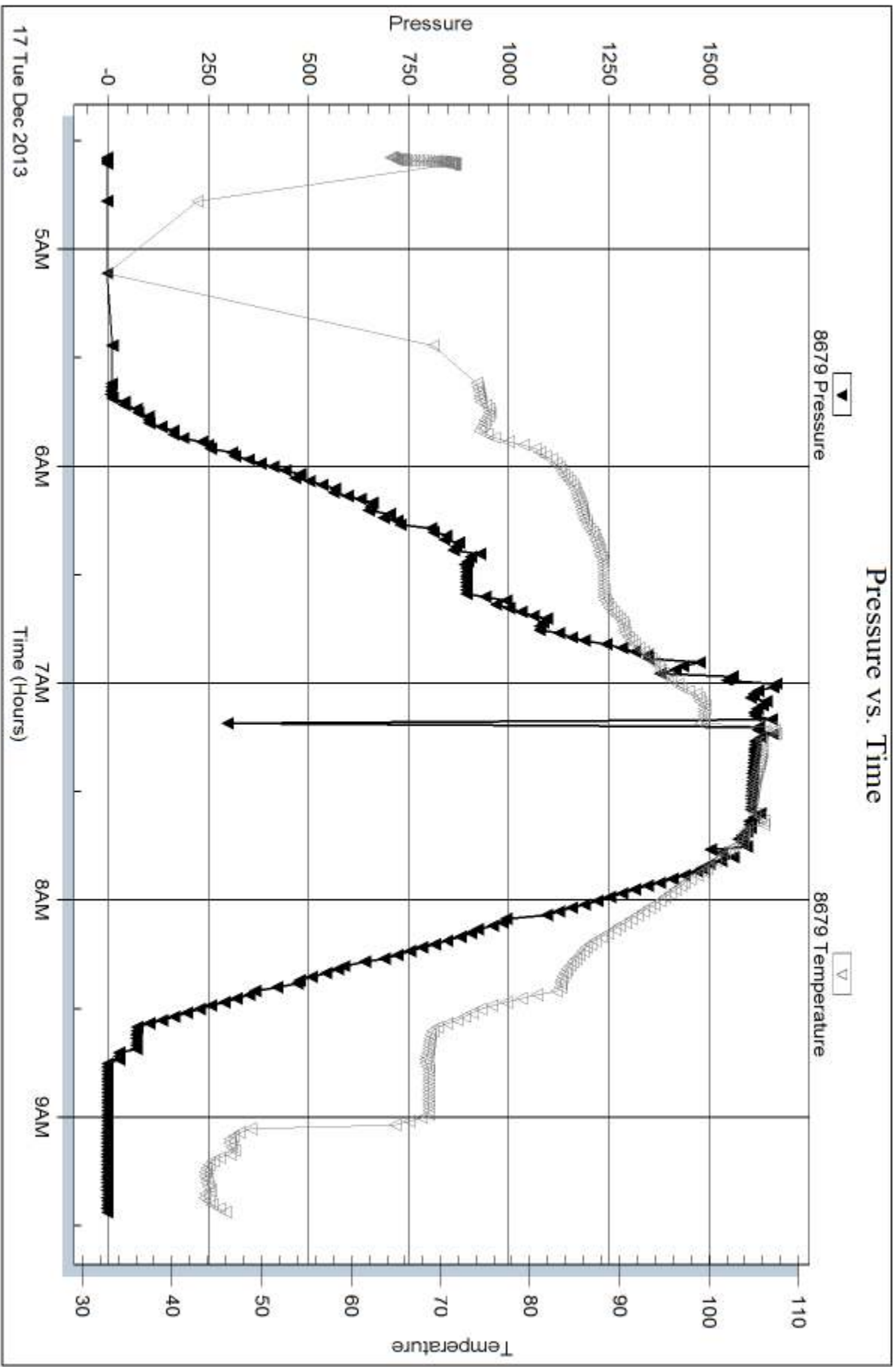
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Mis-Run --Packer Failure

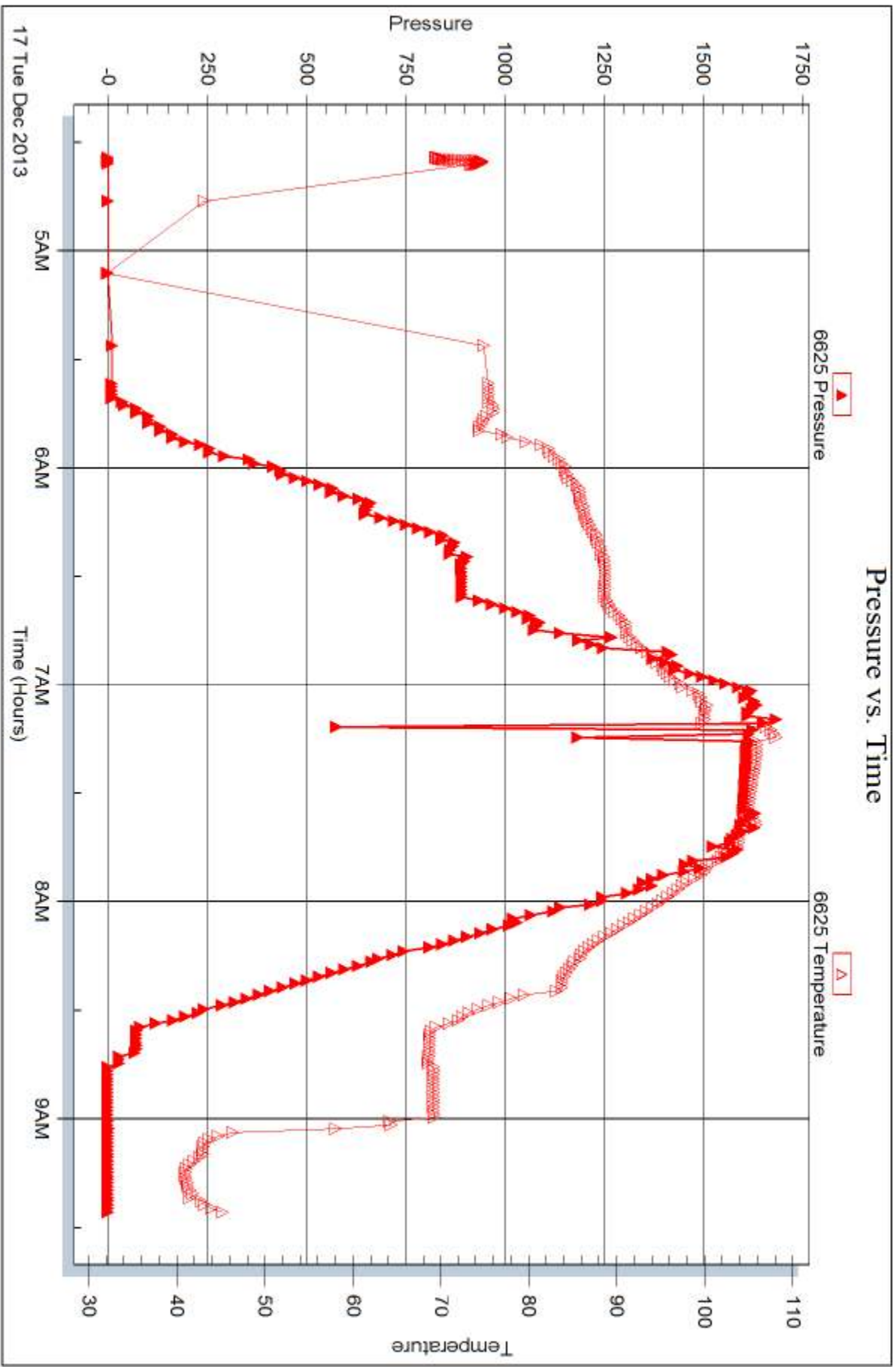


Serial #: 6625

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

Job Ticket: 039775

DST#: 5

ATTN: Corry Baker

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:

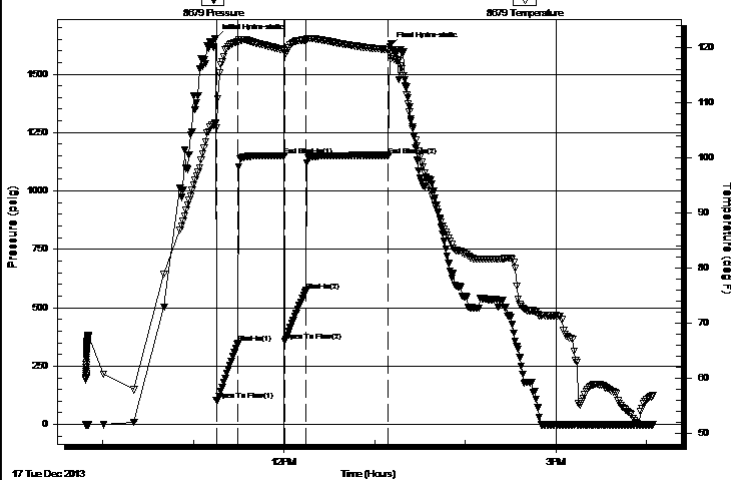
2013.12.17 @ 11:14:29

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 vs. Time



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

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: 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

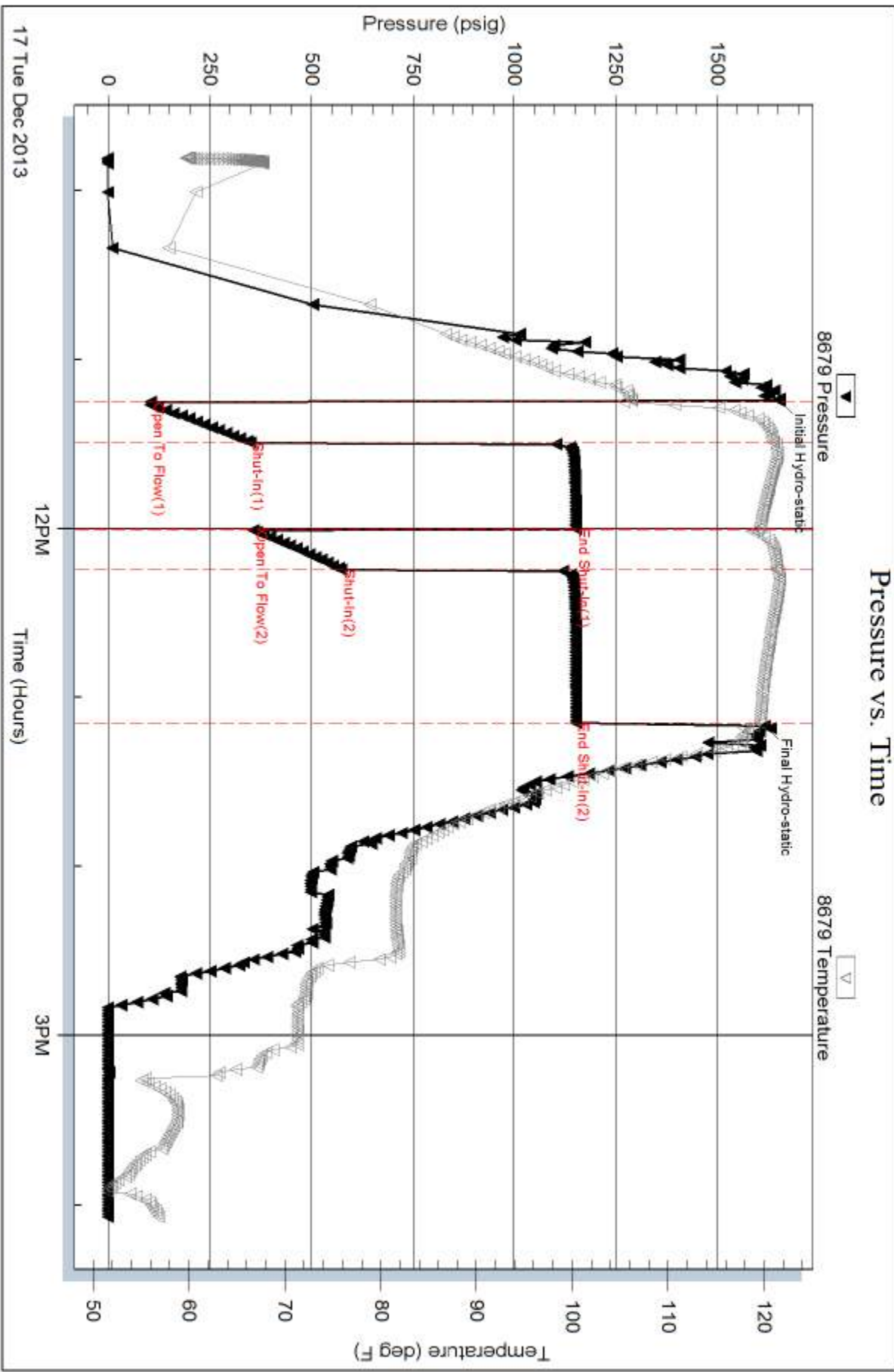
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

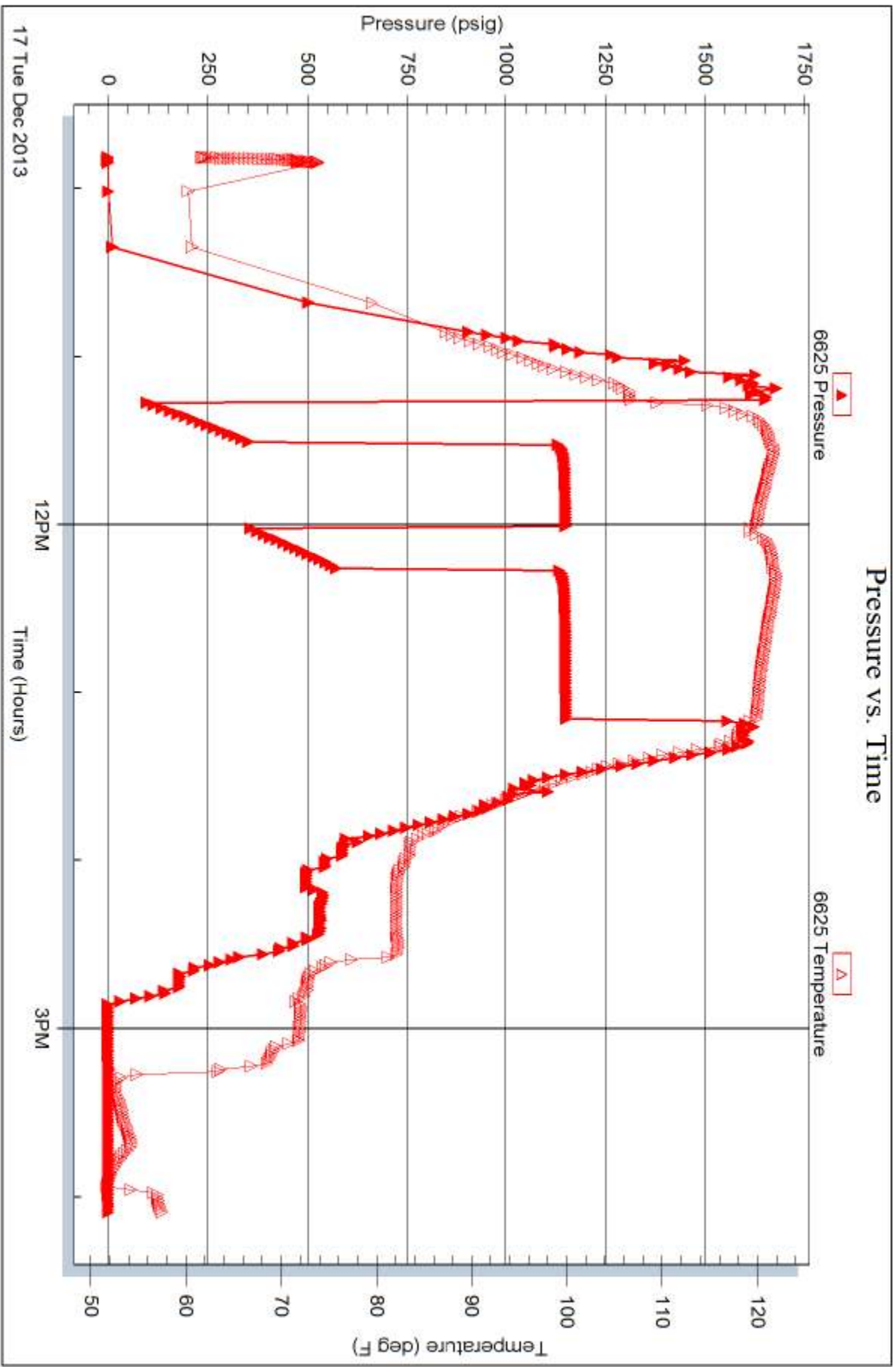


Serial #: 6625

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
441	MW with oil spots			95%	5%
126	MW with a scum of oil			80%	20%
94	MW with a scum of oil			20%	80%
	Had H2S gas				

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

4/10

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	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

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.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 039775

4/10

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 1652 Test 1150 T-On Location 4:29
- (B) First Initial Flow 105 Jars 250 T-Started 9:48
- (C) First Final Flow 350 Safety Joint 75 T-Open 11:15
- (D) Initial Shut-In 1152 Circ Sub 50 T-Pulled 13:00
- (E) Second Initial Flow 357 Hourly Standby _____ T-Out 16:08
- (F) Second Final Flow 573 Mileage _____
- (G) Final Shut-In 1152 Sampler _____
- (H) Final Hydrostatic 1417 Straddle _____

- Ruined Shale Packer _____
- Ruined Packer _____
- Extra Copies _____
- Initial Open 15 Extra Packer _____
- Initial Shut-In 30 Extra Recorder _____
- Final Flow 15 Day Standby _____
- Final Shut-In 45 Accessibility _____
- Sub Total 1525

Approved By _____ Our Representative Jeff Brown

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.

QUALITY OILWELL CEMENTING, INC.

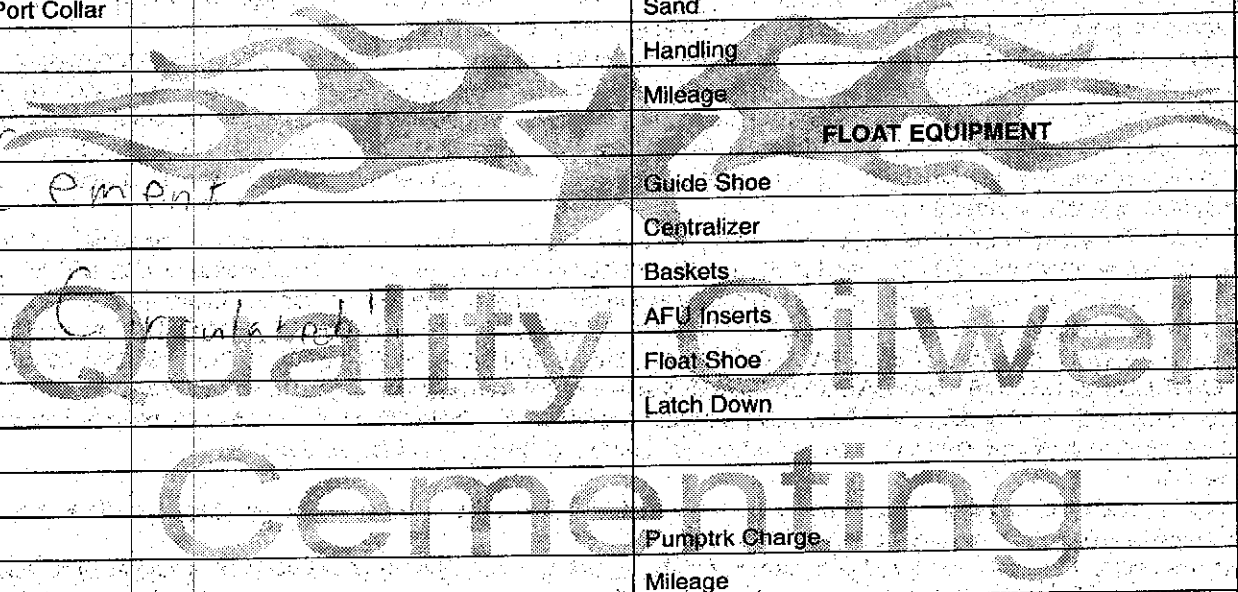
Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7032

Date	12-10-13	Sec.	2	Twp.	19	Range	8	County	Rego	State	KS	On Location		Finish	3:00 AM	
Location								Hwy 14 Jct I-70 Y Rd 1 1/2 E Sato								
Lease	Custus Unit A		Well No.		# 17		Owner									
Contractor	Suzanne #6		To Quality Oilwell Cementing, Inc.									You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Type Job	Surface		Charge To									Consult				
Hole Size	12 1/4		T.D.		380'		Street									
Csg.	9 5/8		Depth		380'		City									State
Tbg. Size			Depth													
Tool			Depth		The above was done to satisfaction and supervision of owner agent or contractor.											
Cement Left in Csg.	25'		Shoe Joint		Cement Amount Ordered											
Meas Line		Displace		22.5 bbl												
EQUIPMENT												Common				
Pumptrk	5	No.	Cementer													
			Helper	Lannie W												
Bulktrk	12	No.	Driver	Charl												
Bulktrk	PIA	No.	Driver	Brett												
JOB SERVICES & REMARKS												POZ. MIX				
Remarks:													Gel			
Rat Hole													Calcium			
Mouse Hole													Hulls			
Centralizers													Salt			
Baskets													Flowseal			
D/V or Port Collar													Kol-Seal			
												Mud CLR 48				
												CFL-117 or CD110 CAF 38				
												Sand				
												Handling				
												Mileage				
												FLOAT EQUIPMENT				
												Guide Shoe				
												Centralizer				
												Baskets				
												AFU Inserts				
												Float Shoe				
												Latch Down				
												Pumptrk Charge				
												Mileage				
												Tax				
												Discount				
												Total Charge				
X Signature												W. P. [Signature]				



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7625

Date	12-17-13	Sec.	2	Twp.	18	Range	8	County	Rice	State	KS	On Location	9:30 PM	Finish	1:00 AM	
Lease	Gustus Unit A							Well No.	1-2	Location: Genco 4274 1N 1/2 E						
Contractor	Southwind 6							Owner	Sinto							
Type Job	Plug Job							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	7 7/8							T.D.	3365							
Csg.	Dill pipe							Depth	Charge To							
Tbg. Size								Depth	Street							
Tool								Depth	City							
Cement Left in Csg.								Shoe Joint	State							
Meas Line								Displace	The above was done to satisfaction and supervision of owner agent or contractor.							
EQUIPMENT								Cement Amount Ordered 180 60/40 4% gel								
Pumptrk	18	No.	Cementer	Inte				Y4 flow								
Bulktrk	14	No.	Helper	Coody				Common								
Bulktrk	pl	No.	Driver	Clayton				Poz. Mix								
JOB SERVICES & REMARKS								Gel.								
Remarks:								Calcium								
Rat Hole	20 5/8							Hulls								
Mouse Hole								Salt								
Centralizers								Flowseat								
Baskets								Kol-Seal								
D/V or Port Collar								Mud CLR 48								
1st	33 4/8							CFL-117 or CD110 CAF 38								
2nd	11 7/8							Sand								
3rd	2 7/8							Handling								
4th	4 3/8							Mileage								
5th	100							20 5/8								
								FLOAT EQUIPMENT								
								Guide Shoe								
								Centralizer								
								Baskets								
								AFU Inserts								
								Float Shoe								
								Latch Down								
								Wood Plug								
								Pumptrk Charge								
								Mileage								
								Tax								
								Discount								
								Total Charge								
Signature																

