



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1140798
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: _____



1140798

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	Terry 'B' 1-1
Doc ID	1140798

Tops

Name	Top	Datum
Anhydrite	1985	383
Base Anhydrite	2024	344
Heebner	3667	-1299
Lansing	3704	-1336
Stark	3897	-1529
BKC	3944	-1576
Ft Scott	4143	-1775
Cherokee	4160	-1792

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

May 21, 2013

Nicholas D. Hess
Cobalt Energy LLC
115 S. BELMONT #12
PO BOX 8037
WICHITA, KS 67208

Re: ACO1
API 15-195-22852-00-00
Terry 'B' 1-1
SE/4 Sec.01-11S-25W
Trego County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Nicholas D. Hess



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy, LLC**

115 S. Belmont #12
Wichita, KS 67208

ATTN: Cory Baker

Terry "B" #1-1

1-11s-25w Trego,KS

Start Date: 2013.03.27 @ 11:55:30

End Date: 2013.03.27 @ 21:17:00

Job Ticket #: 51699 DST #: 1

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

Printed: 2013.04.03 @ 16:33:19



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy, LLC
 115 S. Belmont #12
 Wichita, KS 67208
 ATTN: Cory Baker

1-11s-25w Trego,KS

Terry "B" #1-1

Job Ticket: 51699

DST#: 1

Test Start: 2013.03.27 @ 11:55:30

GENERAL INFORMATION:

Formation: **LKC "C-D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:36:50
 Time Test Ended: 21:17:00
 Interval: **3724.00 ft (KB) To 3750.00 ft (KB) (TVD)**
 Total Depth: 3750.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 66
 Reference Elevations: 2368.00 ft (KB)
 2357.00 ft (CF)
 KB to GR/CF: 11.00 ft

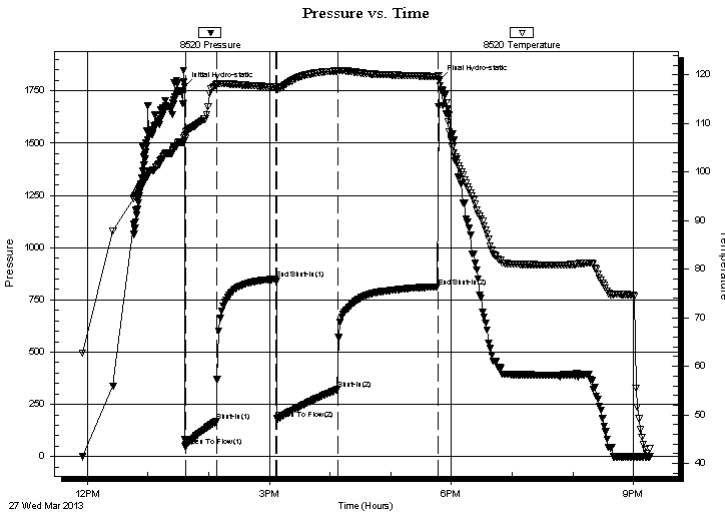
Serial #: 8520

Outside

Press @ Run Depth: 320.52 psig @ 3727.00 ft (KB)
 Start Date: 2013.03.27 End Date: 2013.03.27
 Start Time: 11:55:30 End Time: 21:17:00
 Capacity: 8000.00 psig
 Last Calib.: 2013.03.27
 Time On Btm: 2013.03.27 @ 13:36:30
 Time Off Btm: 2013.03.27 @ 17:49:00

TEST COMMENT: IF-Strong building blow . BOB @ 4 minutes.
 ISI-Return @ 1 minute. Built to 6 inches.
 FF-Fair building blow . BOB @ 8 minutes.
 FSI-Return @ 2 minutes. Built to 6 inches.

PRESSURE SUMMARY



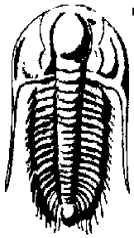
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1771.82	107.43	Initial Hydro-static
1	47.45	106.99	Open To Flow (1)
31	168.20	118.00	Shut-In(1)
90	850.51	117.50	End Shut-In(1)
91	181.20	117.15	Open To Flow (2)
151	320.52	120.86	Shut-In(2)
250	813.46	119.69	End Shut-In(2)
253	1804.38	117.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	40%Oil/30%Water/30%Mud	0.30
882.00	55%Gas/45%Oil	12.12
0.00	378' G.I.P.	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy, LLC

1-11s-25w Trego,KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

Job Ticket: 51699

DST#: 1

ATTN: Cory Baker

Test Start: 2013.03.27 @ 11:55:30

GENERAL INFORMATION:

Formation: **LKC "C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:36:50

Time Test Ended: 21:17:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Interval: 3724.00 ft (KB) To 3750.00 ft (KB) (TVD)

Reference Elevations: 2368.00 ft (KB)

Total Depth: 3750.00 ft (KB) (TVD)

2357.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8354 Inside

Press @ Run Depth: psig @ 3727.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.27

End Date:

2013.03.27

Last Calib.:

2013.03.27

Start Time: 11:55:15

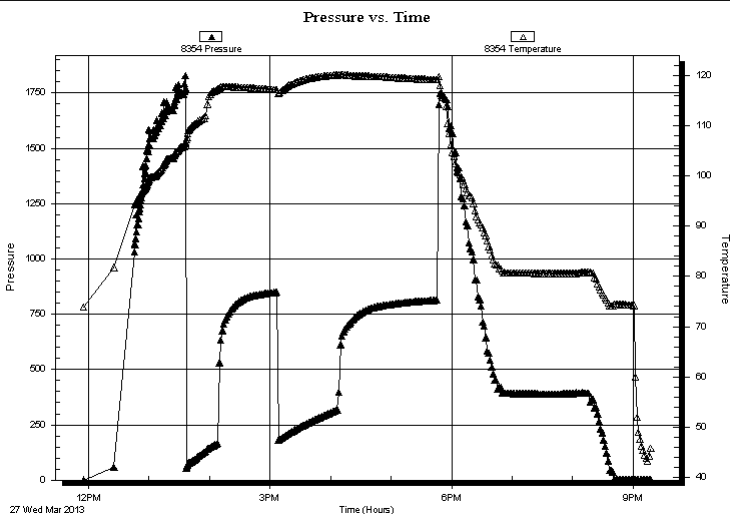
End Time:

21:17:15

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Strong building blow . BOB @ 4 minutes.
ISI-Return @ 1 minute. Built to 6 inches.
FF-Fair building blow . BOB @ 8 minutes.
FSI-Return @ 2 minutes. Built to 6 inches.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	40%Oil/30%Water/30%Mud	0.30
882.00	55%Gas/45%Oil	12.12
0.00	378' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy, LLC

1-11s-25w Trego,KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

Job Ticket: 51699

DST#: 1

ATTN: Cory Baker

Test Start: 2013.03.27 @ 11:55:30

Tool Information

Drill Pipe:	Length: 3618.00 ft	Diameter: 3.80 inches	Volume: 50.75 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 88.00 ft	Diameter: 2.25 inches	Volume: 0.43 bbl	Weight to Pull Loose: 10000.00 lb
			<u>Total Volume: 51.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3724.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	49.00 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			3702.00	
Shut In Tool	5.00			3707.00	
Hydraulic tool	5.00			3712.00	
Safety Joint	3.00			3715.00	
Packer	5.00			3720.00	23.00 Bottom Of Top Packer
Packer	4.00			3724.00	
Stubb	1.00			3725.00	
Perforations	2.00			3727.00	
Recorder	0.00	8354	Inside	3727.00	
Recorder	0.00	8520	Outside	3727.00	
Perforations	20.00			3747.00	
Bullnose	3.00			3750.00	26.00 Bottom Packers & Anchor

Total Tool Length: 49.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy, LLC

1-11s-25w Trego,KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

Job Ticket: 51699

DST#: 1

ATTN: Cory Baker

Test Start: 2013.03.27 @ 11:55:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	40%Oil/30%Water/30%Mud	0.295
882.00	55%Gas/45%Oil	12.117
0.00	378' G.I.P.	0.000

Total Length: 942.00 ft Total Volume: 12.412 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

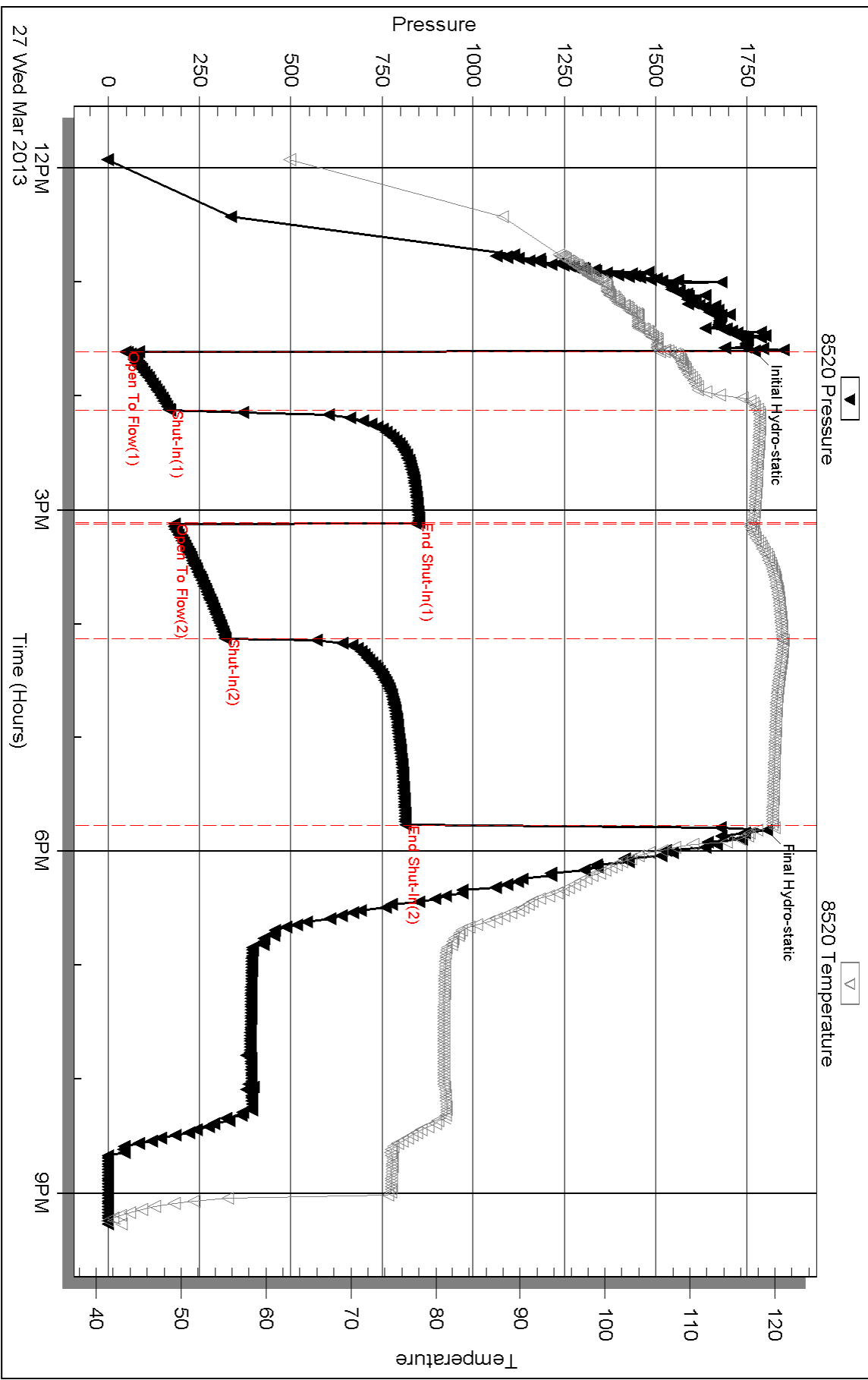
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



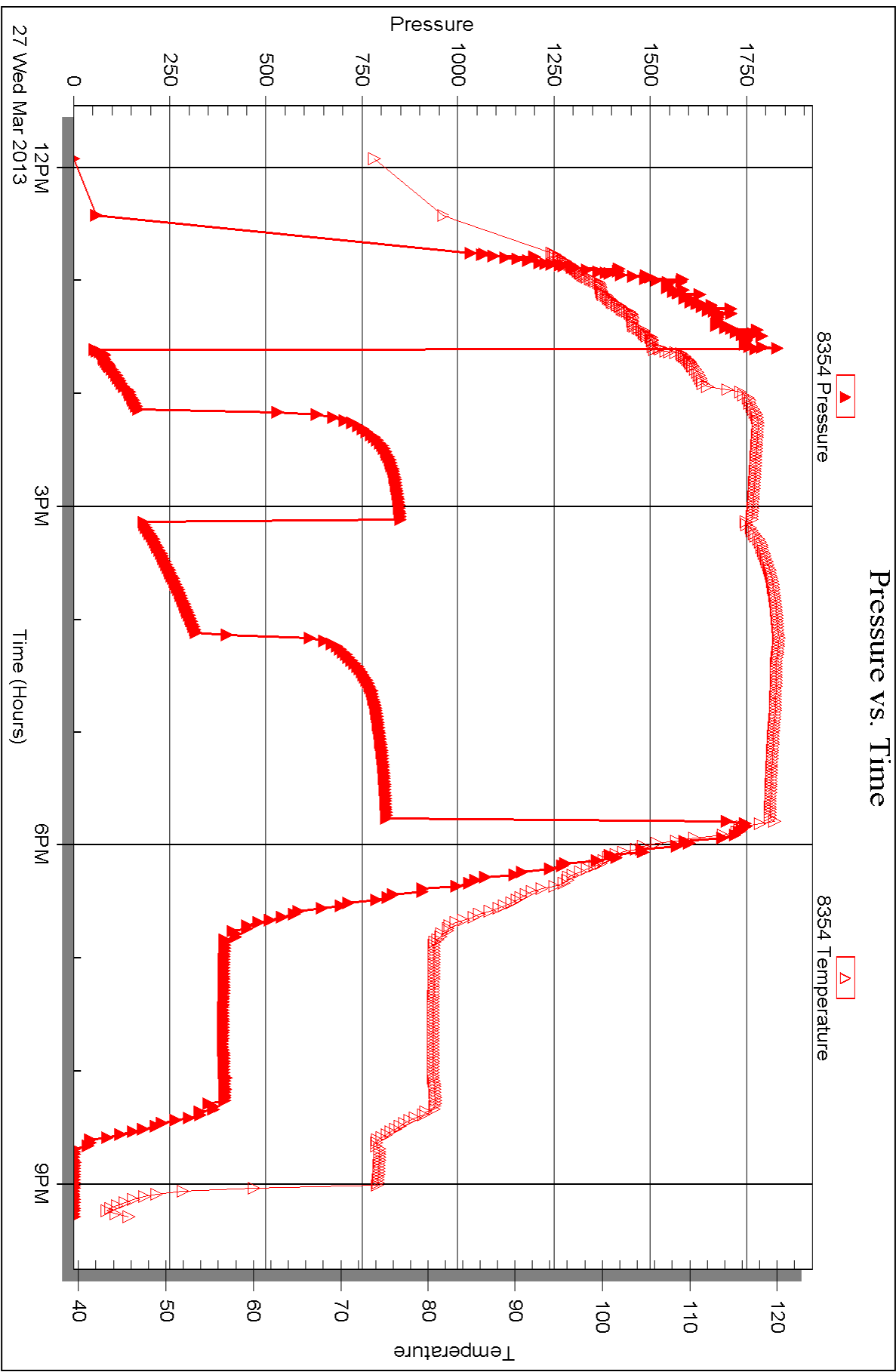
Serial #: 8354

Inside

Cobalt Energy, LLC

Terry "B" #1-1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy, LLC**

115 S. Belmont #12
Wichita, KS 67208

ATTN: Cory Baker

Terry "B" #1-1

1-11s-25w Trego,KS

Start Date: 2013.03.28 @ 05:46:45

End Date: 2013.03.28 @ 12:58:45

Job Ticket #: 51700 DST #: 2

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

Printed: 2013.04.03 @ 16:32:38



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy, LLC
 115 S. Belmont #12
 Wichita, KS 67208
 ATTN: Cory Baker

1-11s-25w Trego,KS

Terry "B" #1-1

Job Ticket: 51700

DST#: 2

Test Start: 2013.03.28 @ 05:46:45

GENERAL INFORMATION:

Formation: **LKC "E-F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:18:45
 Time Test Ended: 12:58:45
 Interval: **3770.00 ft (KB) To 3794.00 ft (KB) (TVD)**
 Total Depth: 3794.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Rash
 Unit No: 66
 Reference Elevations: 2368.00 ft (KB)
 2357.00 ft (CF)
 KB to GR/CF: 11.00 ft

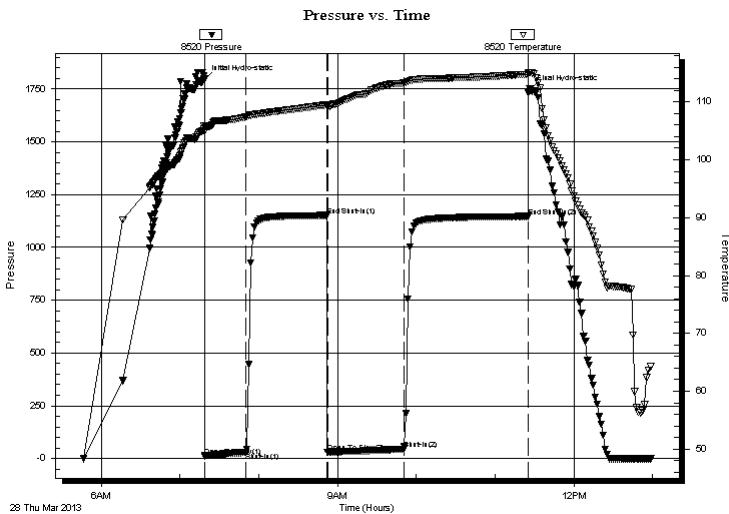
Serial #: 8520

Outside

Press @ Run Depth: 44.86 psig @ 3773.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.28 End Date: 2013.03.28 Last Calib.: 2013.03.28
 Start Time: 05:46:45 End Time: 12:58:45 Time On Btm: 2013.03.28 @ 07:18:35
 Time Off Btm: 2013.03.28 @ 11:26:15

TEST COMMENT: IF-Very weak building blow . Built to 2&1/2 inches.
 IS-No Return.
 FF-Very weak building blow . Built to 2&1/2 inches.
 FS-No Return.

PRESSURE SUMMARY



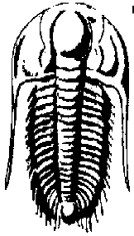
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1796.85	105.91	Initial Hydro-static
1	12.44	104.90	Open To Flow (1)
32	29.30	107.42	Shut-In(1)
94	1151.48	109.51	End Shut-In(1)
94	30.40	109.27	Open To Flow (2)
152	44.86	113.24	Shut-In(2)
247	1146.76	114.75	End Shut-In(2)
248	1749.39	115.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100%Mud	0.10
20.00	1%Oil/29%Water/70%Mud	0.19

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy, LLC

1-11s-25w Trego,KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

Job Ticket: 51700

DST#: 2

ATTN: Cory Baker

Test Start: 2013.03.28 @ 05:46:45

GENERAL INFORMATION:

Formation: **LKC "E-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:18:45

Time Test Ended: 12:58:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Interval: 3770.00 ft (KB) To 3794.00 ft (KB) (TVD)

Total Depth: 3794.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2368.00 ft (KB)

2357.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8354 **Inside**

Press @ Run Depth: psig @ 3773.00 ft (KB)

Start Date: 2013.03.28

End Date:

2013.03.28

Start Time: 05:46:30

End Time:

12:59:30

Capacity: 8000.00 psig

Last Calib.:

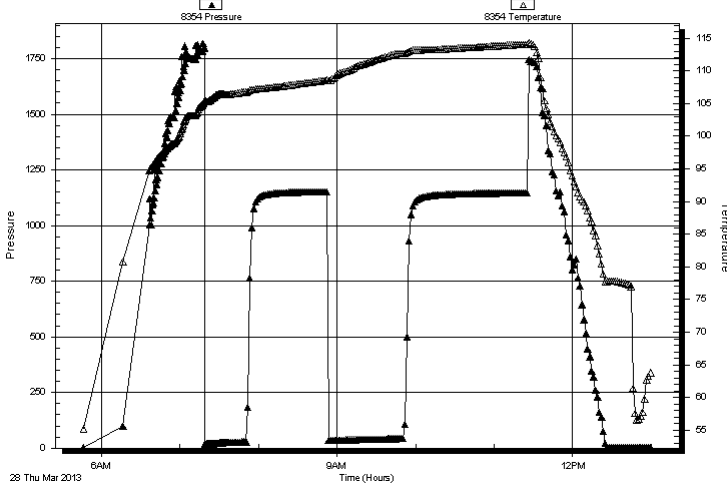
2013.03.28

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Very weak building blow . Built to 2&1/2 inches.
ISI-No Return.
FF-Very weak building blow . Built to 2&1/2 inches.
FSI-No Return.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100%Mud	0.10
20.00	1%Oil/29%Water/70%Mud	0.19

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy, LLC

1-11s-25w Trego,KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

Job Ticket: 51700

DST#: 2

ATTN: Cory Baker

Test Start: 2013.03.28 @ 05:46:45

Tool Information

Drill Pipe:	Length: 3739.00 ft	Diameter: 3.80 inches	Volume: 52.45 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 26000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 5000.00 lb
			<u>Total Volume: 52.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3770.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	47.00 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			3748.00	
Shut In Tool	5.00			3753.00	
Hydraulic tool	5.00			3758.00	
Safety Joint	3.00			3761.00	
Packer	5.00			3766.00	23.00 Bottom Of Top Packer
Packer	4.00			3770.00	
Stubb	1.00			3771.00	
Perforations	2.00			3773.00	
Recorder	0.00	8354	Inside	3773.00	
Recorder	0.00	8520	Outside	3773.00	
Perforations	18.00			3791.00	
Bullnose	3.00			3794.00	24.00 Bottom Packers & Anchor

Total Tool Length: 47.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy, LLC

1-11s-25w Trego,KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

Job Ticket: 51700

DST#: 2

ATTN: Cory Baker

Test Start: 2013.03.28 @ 05:46:45

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:

14500 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: 0.47 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100%Mud	0.098
20.00	1%Oil/29%Water/70%Mud	0.189

Total Length: 40.00 ft

Total Volume: 0.287 bbl

Num Fluid Samples: 0

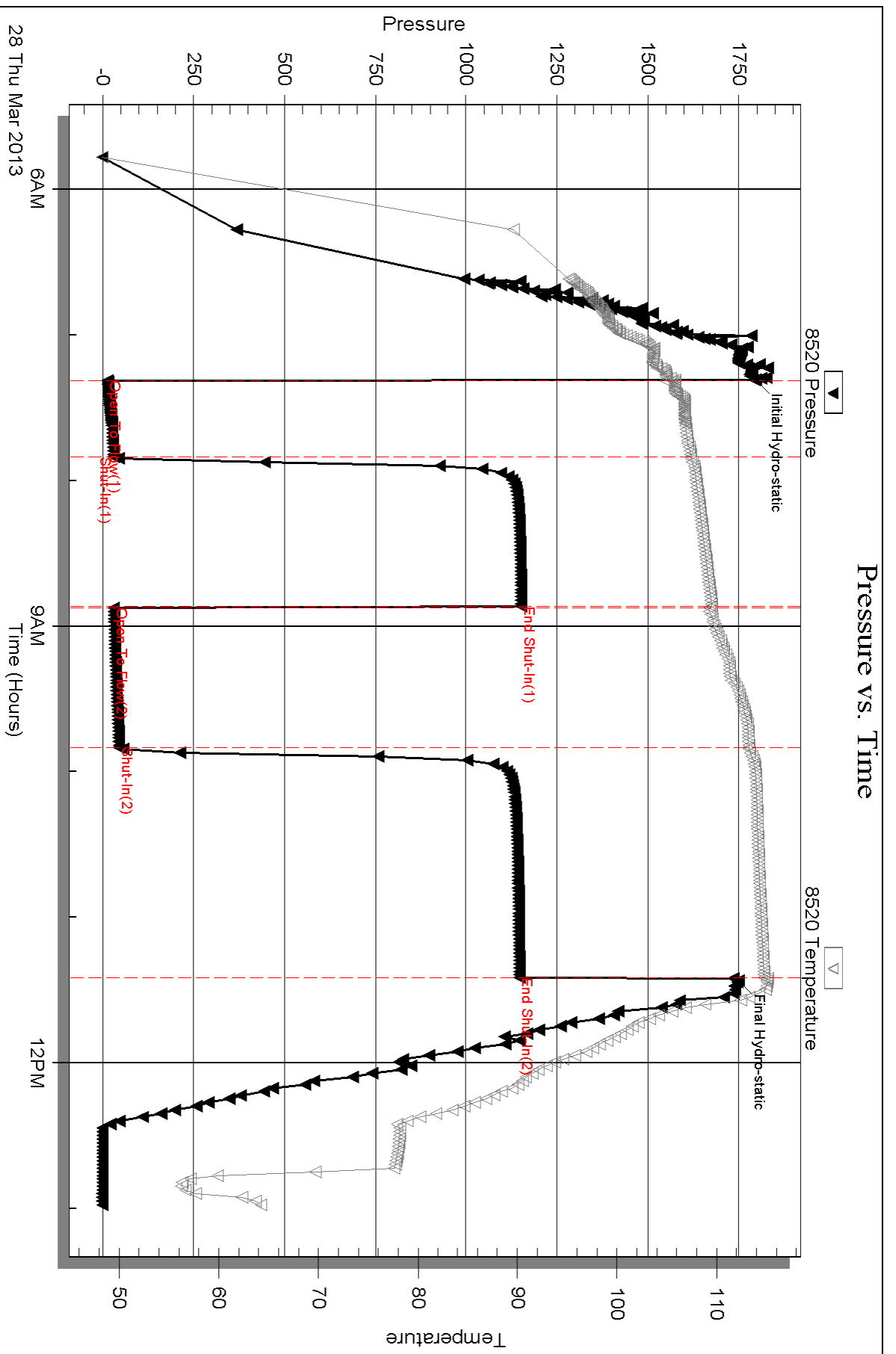
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



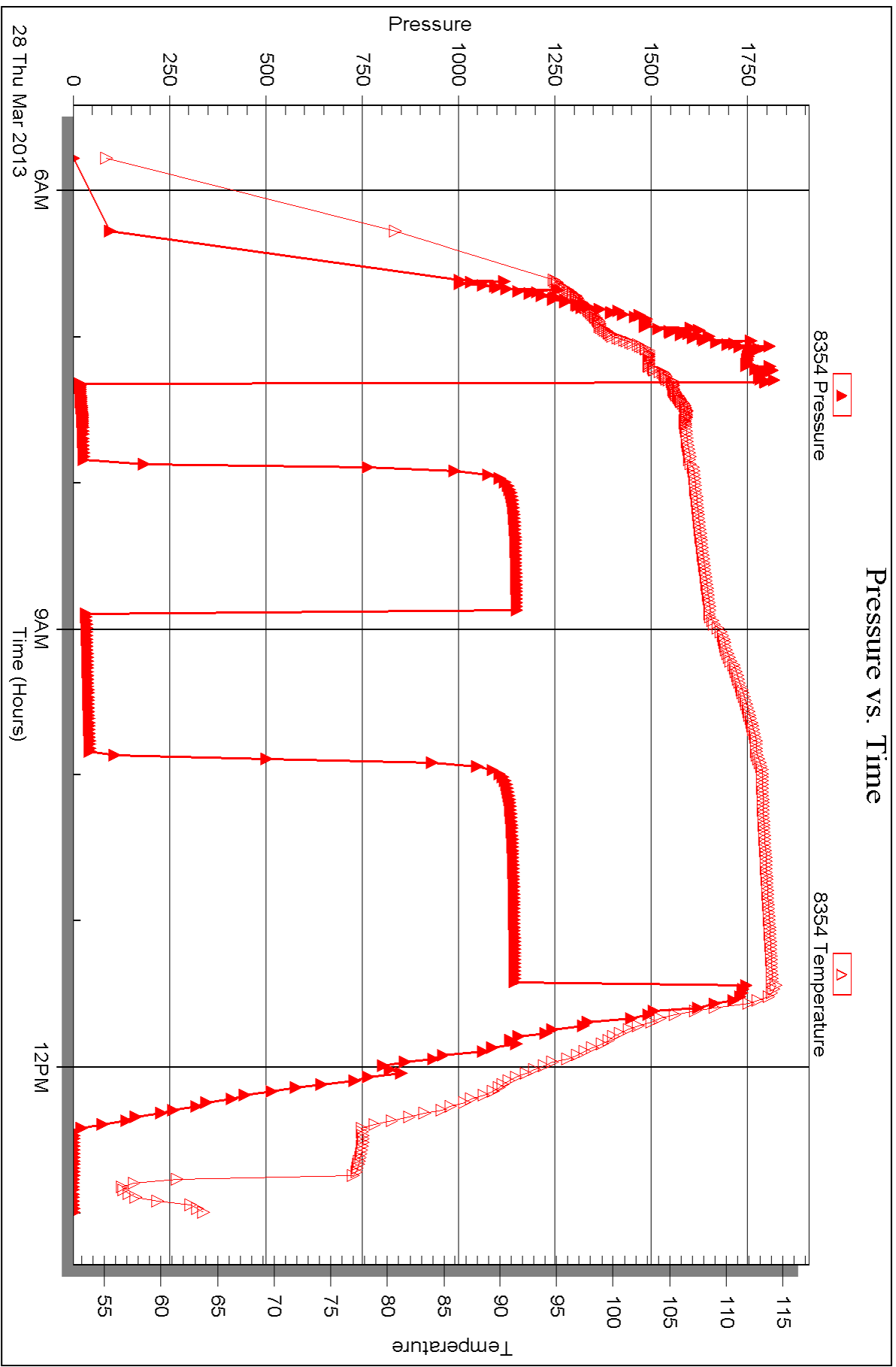
Serial #: 8354

Inside

Cobalt Energy, LLC

Terry "B" #1-1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy, LLC**

115 S. Belmont #12
Wichita, KS 67208

ATTN: Cory Baker

Terry "B" #1-1

1-11s-25w Trego,KS

Start Date: 2013.03.28 @ 21:43:45

End Date: 2013.03.29 @ 06:54:15

Job Ticket #: 52101 DST #: 3

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

Printed: 2013.04.03 @ 16:31:50



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy, LLC
 115 S. Belmont #12
 Wichita, KS 67208
 ATTN: Cory Baker

1-11s-25w Trego,KS
Terry "B" #1-1
 Job Ticket: 52101 **DST#: 3**
 Test Start: 2013.03.28 @ 21:43:45

GENERAL INFORMATION:

Formation: **LKC "H"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 23:33:25 Tester: Dustin Rash
 Time Test Ended: 06:54:15 Unit No: 66
 Interval: **3822.00 ft (KB) To 3860.00 ft (KB) (TVD)** Reference Elevations: 2368.00 ft (KB)
 Total Depth: 3860.00 ft (KB) (TVD) 2357.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

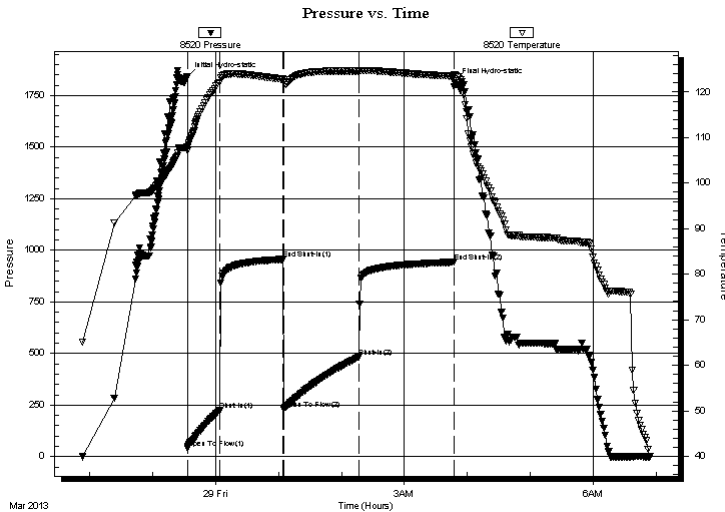
Serial #: 8520

Outside

Press @ Run Depth: 483.65 psig @ 3825.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.03.28 End Date: 2013.03.29 Last Calib.: 2013.03.29
 Start Time: 21:53:45 End Time: 06:54:15 Time On Btm: 2013.03.28 @ 23:33:15
 Time Off Btm: 2013.03.29 @ 03:47:45

TEST COMMENT: IF-Strong building blow . BOB @ 2 minutes.
 ISI-Return @ 15 seconds. BOB @ 8 minutes 30 seconds.
 FF-Strong building blow . BOB @ 5 minutes 30 seconds.
 FSI-Return @ 1 minute. BOB @ 29 minutes.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1841.43	107.91	Initial Hydro-static
1	38.98	107.17	Open To Flow (1)
31	222.99	122.04	Shut-In(1)
91	956.01	122.81	End Shut-In(1)
92	231.24	122.36	Open To Flow (2)
164	483.65	124.63	Shut-In(2)
254	942.97	123.50	End Shut-In(2)
255	1813.98	123.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	2%Oil/83%Water/15%Mud	0.60
62.00	5%Oil/70%Water/30%Mud	0.87
1040.00	25%Gas/75%Oil	14.59
0.00	1353' G.I.P.	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy, LLC

1-11s-25w Trego, KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

Job Ticket: 52101

DST#: 3

ATTN: Cory Baker

Test Start: 2013.03.28 @ 21:43:45

GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:33:25

Time Test Ended: 06:54:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Interval: 3822.00 ft (KB) To 3860.00 ft (KB) (TVD)

Reference Elevations: 2368.00 ft (KB)

Total Depth: 3860.00 ft (KB) (TVD)

2357.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8354 Inside

Press @ Run Depth: psig @ 3825.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.28

End Date: 2013.03.29

Last Calib.: 2013.03.29

Start Time: 21:53:30

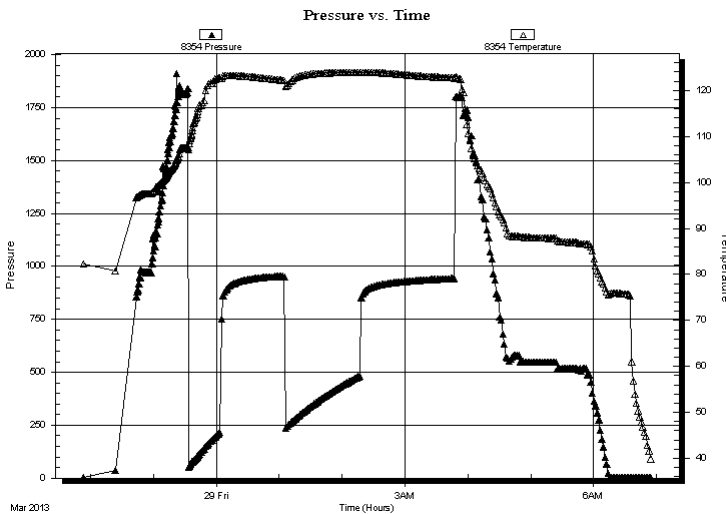
End Time: 06:54:30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Strong building blow . BOB @ 2 minutes.
ISI-Return @ 15 seconds. BOB @ 8 minutes 30 seconds.
FF-Strong building blow . BOB @ 5 minutes 30 seconds.
FSI-Return @ 1 minute. BOB @ 29 minutes.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	2%Oil/83%Water/15%Mud	0.60
62.00	5%Oil/70%Water/30%Mud	0.87
1040.00	25%Gas/75%Oil	14.59
0.00	1353' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy, LLC

1-11s-25w Trego,KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

Job Ticket: 52101

DST#: 3

ATTN: Cory Baker

Test Start: 2013.03.28 @ 21:43:45

Tool Information

Drill Pipe:	Length: 3800.00 ft	Diameter: 3.80 inches	Volume: 53.30 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 10000.00 lb
			<u>Total Volume: 53.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3822.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	38.00 ft			
Tool Length:	61.00 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			3800.00	
Shut In Tool	5.00			3805.00	
Hydraulic tool	5.00			3810.00	
Safety Joint	3.00			3813.00	
Packer	5.00			3818.00	23.00 Bottom Of Top Packer
Packer	4.00			3822.00	
Stubb	1.00			3823.00	
Perforations	2.00			3825.00	
Recorder	0.00	8354	Inside	3825.00	
Recorder	0.00	8520	Outside	3825.00	
Perforations	32.00			3857.00	
Bullnose	3.00			3860.00	38.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy, LLC

1-11s-25w Trego,KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

Job Ticket: 52101

DST#: 3

ATTN: Cory Baker

Test Start: 2013.03.28 @ 21:43:45

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

16000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.82 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	2%Oil/83%Water/15%Mud	0.596
62.00	5%Oil/70%Water/30%Mud	0.870
1040.00	25%Gas/75%Oil	14.588
0.00	1353' G.I.P.	0.000

Total Length: 1164.00 ft

Total Volume: 16.054 bbl

Num Fluid Samples: 0

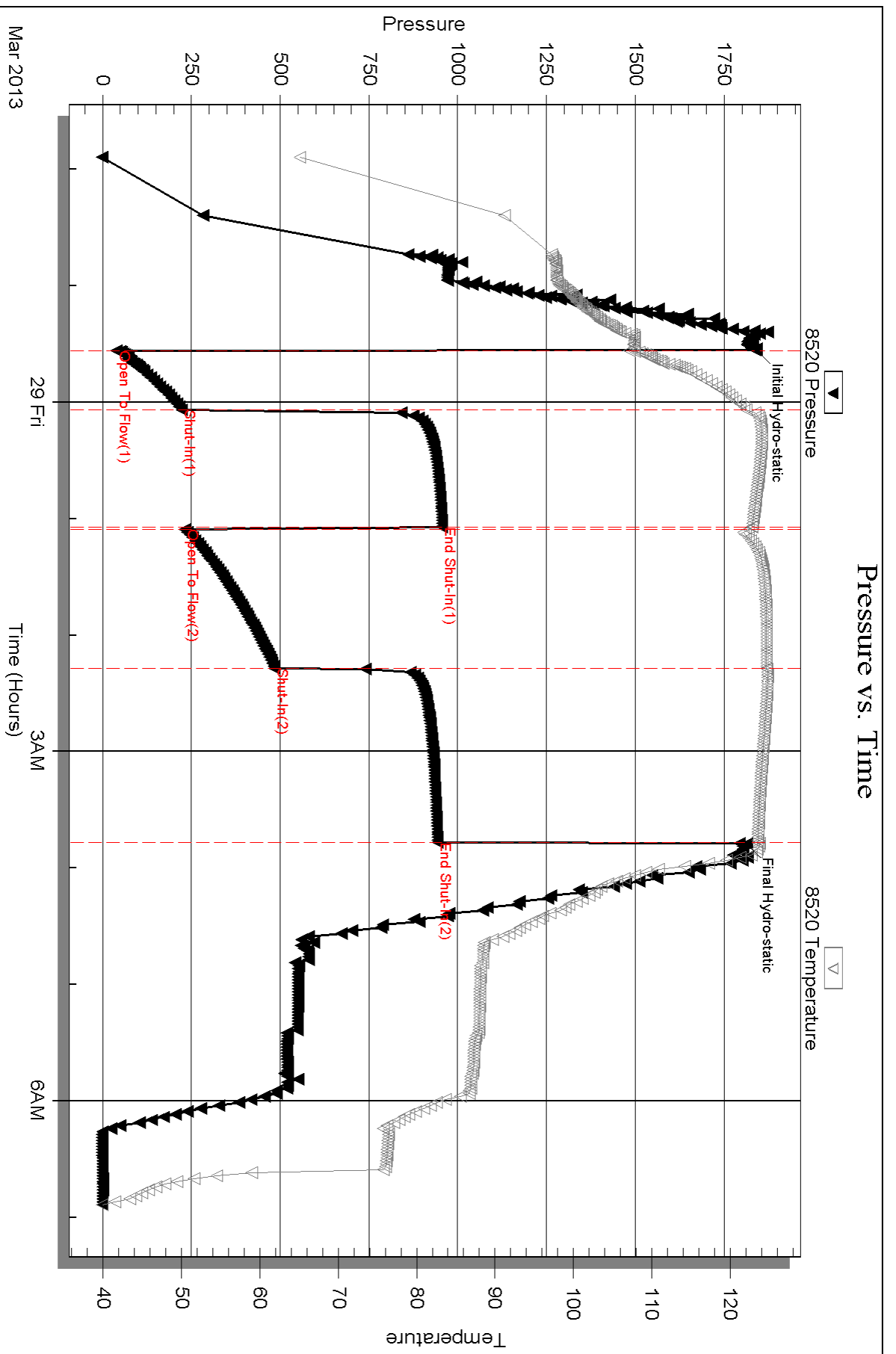
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



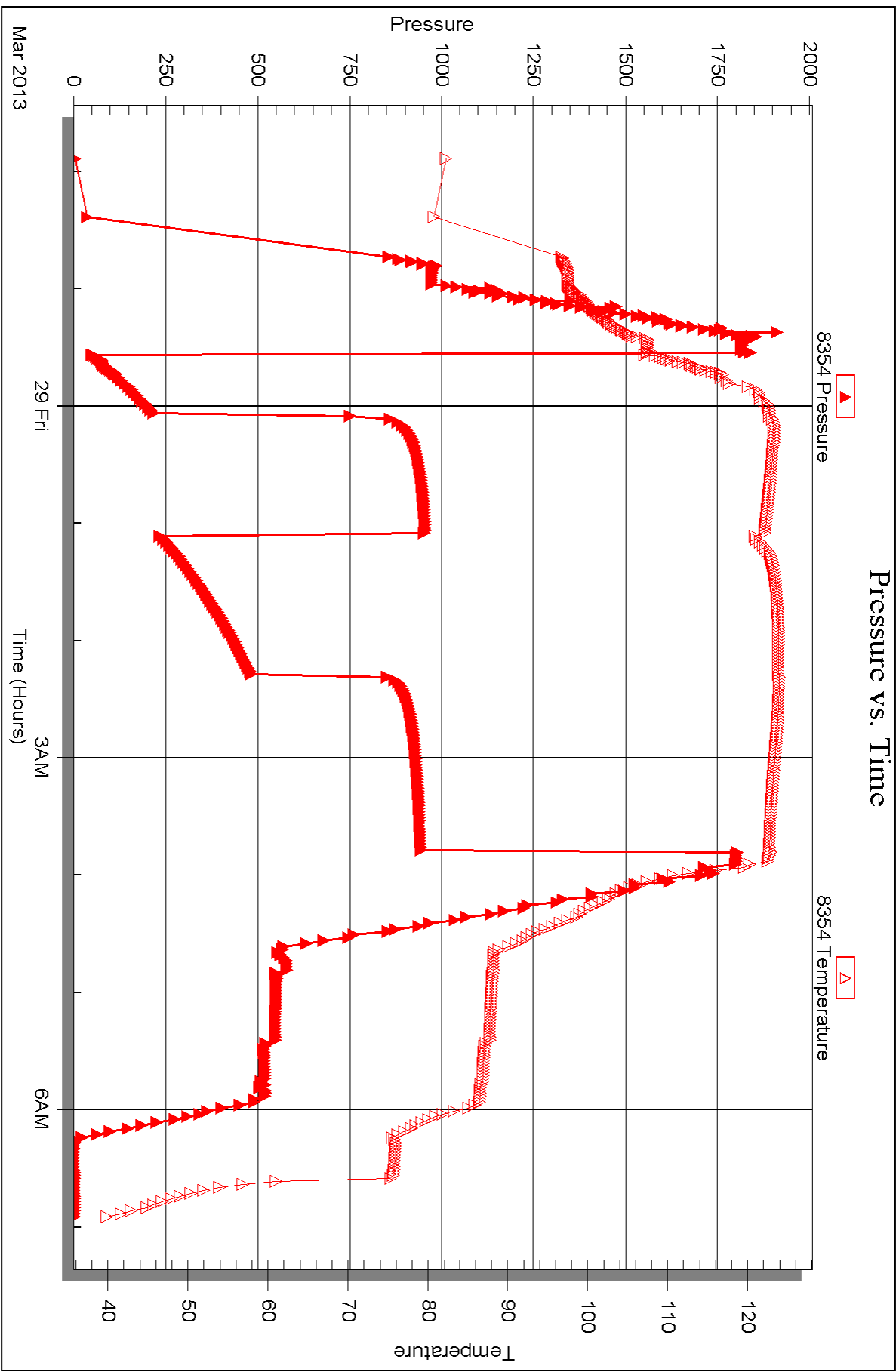
Serial #: 8354

Inside

Cobalt Energy, LLC

Terry "B" #1-1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy, LLC**

115 S. Belmont #12
Wichita, KS 67208

ATTN: Cory Baker

Terry "B" #1-1

1-11s-25w Trego,KS

Start Date: 2013.03.29 @ 15:24:30

End Date: 2013.03.30 @ 00:58:30

Job Ticket #: 52102 DST #: 4

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

Printed: 2013.04.03 @ 16:30:42

Cobalt Energy, LLC
1-11s-25w Trego,KS
Terry "B" #1-1
DST # 4
LKC "I-J"
2013.03.29



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Cobalt Energy, LLC

1-11s-25w Trego,KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

Job Ticket: 52102

DST#: 4

ATTN: Cory Baker

Test Start: 2013.03.29 @ 15:24:30

GENERAL INFORMATION:

Formation: **LKC "I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:54:40

Time Test Ended: 00:58:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Interval: 3860.00 ft (KB) To 3900.00 ft (KB) (TVD)

Reference Elevations: 2368.00 ft (KB)

Total Depth: 3900.00 ft (KB) (TVD)

2357.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8520 Outside

Press @ Run Depth: 496.98 psig @ 3863.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.03.29

End Date: 2013.03.30

Last Calib.: 2013.03.30

Start Time: 15:24:30

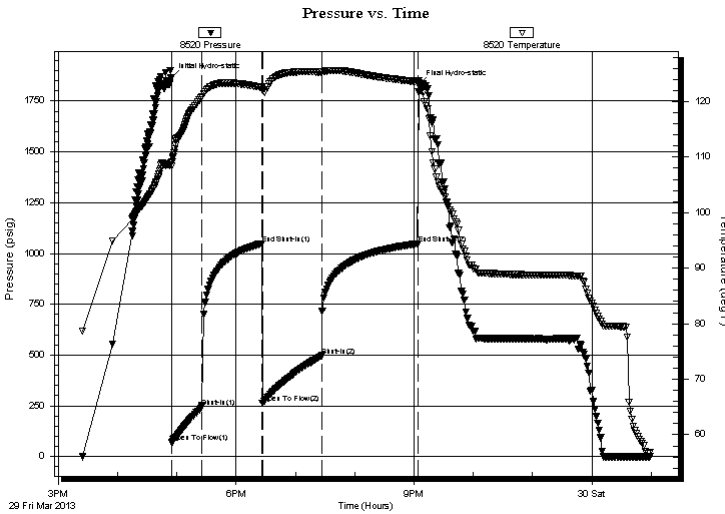
End Time: 00:58:30

Time On Btm: 2013.03.29 @ 16:54:20

Time Off Btm: 2013.03.29 @ 21:05:00

TEST COMMENT: IF-Strong building blow . BOB @ 1 minute 45 seconds.
ISI-Return @ 15 seconds. BOB @ 11 minutes 30 seconds.
FF-Strong building blow . BOB @ 2 minutes.
FSI-Return @ 30 seconds. BOB @ 31 minutes.

PRESSURE SUMMARY



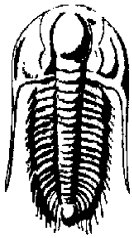
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1866.22	108.94	Initial Hydro-static
1	69.08	108.34	Open To Flow (1)
31	243.39	120.81	Shut-In(1)
92	1048.51	122.55	End Shut-In(1)
93	261.77	122.15	Open To Flow (2)
153	496.98	125.31	Shut-In(2)
250	1047.11	123.58	End Shut-In(2)
251	1830.49	123.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	15%Gas/45%Oil/40%Mud	1.47
1149.00	30%Gas/70%Oil	16.12
0.00	550' G.I.P.	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy, LLC

1-11s-25w Trego, KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

ATTN: Cory Baker

Job Ticket: 52102

DST#: 4

Test Start: 2013.03.29 @ 15:24:30

GENERAL INFORMATION:

Formation: **LKC "I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:54:40

Time Test Ended: 00:58:30

Interval: **3860.00 ft (KB) To 3900.00 ft (KB) (TVD)**

Total Depth: 3900.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Rash

Unit No: 66

Reference Elevations: 2368.00 ft (KB)

2357.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **8354** Inside

Press @ Run Depth: psig @ 3863.00 ft (KB)

Start Date: 2013.03.29

End Date: 2013.03.30

Start Time: 15:24:15

End Time: 00:59:15

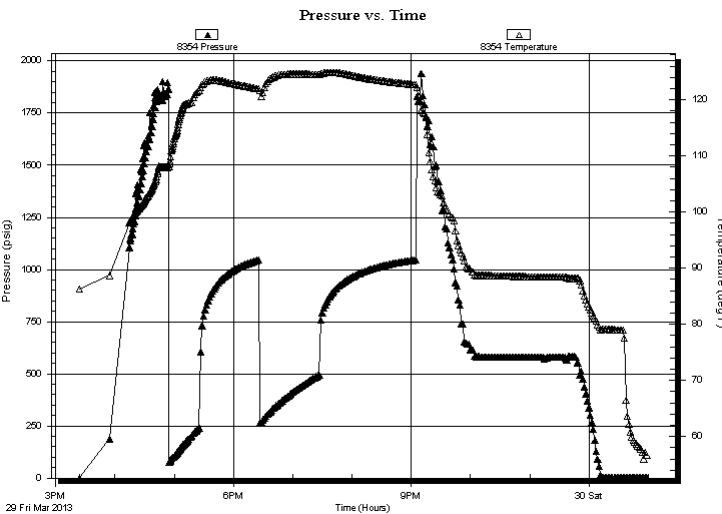
Capacity: 8000.00 psig

Last Calib.: 2013.03.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-Strong building blow . BOB @ 1 minute 45 seconds.
ISI-Return @ 15 seconds. BOB @ 11 minutes 30 seconds.
FF-Strong building blow . BOB @ 2 minutes.
FSI-Return @ 30 seconds. BOB @ 31 minutes.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
124.00	15%Gas/45%Oil/40%Mud	1.47
1149.00	30%Gas/70%Oil	16.12
0.00	550' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy, LLC

1-11s-25w Trego,KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

Job Ticket: 52102

DST#: 4

ATTN: Cory Baker

Test Start: 2013.03.29 @ 15:24:30

Tool Information

Drill Pipe:	Length: 3831.00 ft	Diameter: 3.80 inches	Volume: 53.74 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 10000.00 lb
			<u>Total Volume: 53.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	3860.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	63.00 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			3838.00	
Shut In Tool	5.00			3843.00	
Hydraulic tool	5.00			3848.00	
Safety Joint	3.00			3851.00	
Packer	5.00			3856.00	23.00 Bottom Of Top Packer
Packer	4.00			3860.00	
Stubb	1.00			3861.00	
Perforations	2.00			3863.00	
Recorder	0.00	8354	Inside	3863.00	
Recorder	0.00	8520	Outside	3863.00	
Perforations	34.00			3897.00	
Bullnose	3.00			3900.00	40.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy, LLC

1-11s-25w Trego,KS

115 S. Belmont #12
Wichita, KS 67208

Terry "B" #1-1

Job Ticket: 52102

DST#: 4

ATTN: Cory Baker

Test Start: 2013.03.29 @ 15:24:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	15%Gas/45%Oil/40%Mud	1.466
1149.00	30%Gas/70%Oil	16.117
0.00	550' G.I.P.	0.000

Total Length: 1273.00 ft Total Volume: 17.583 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

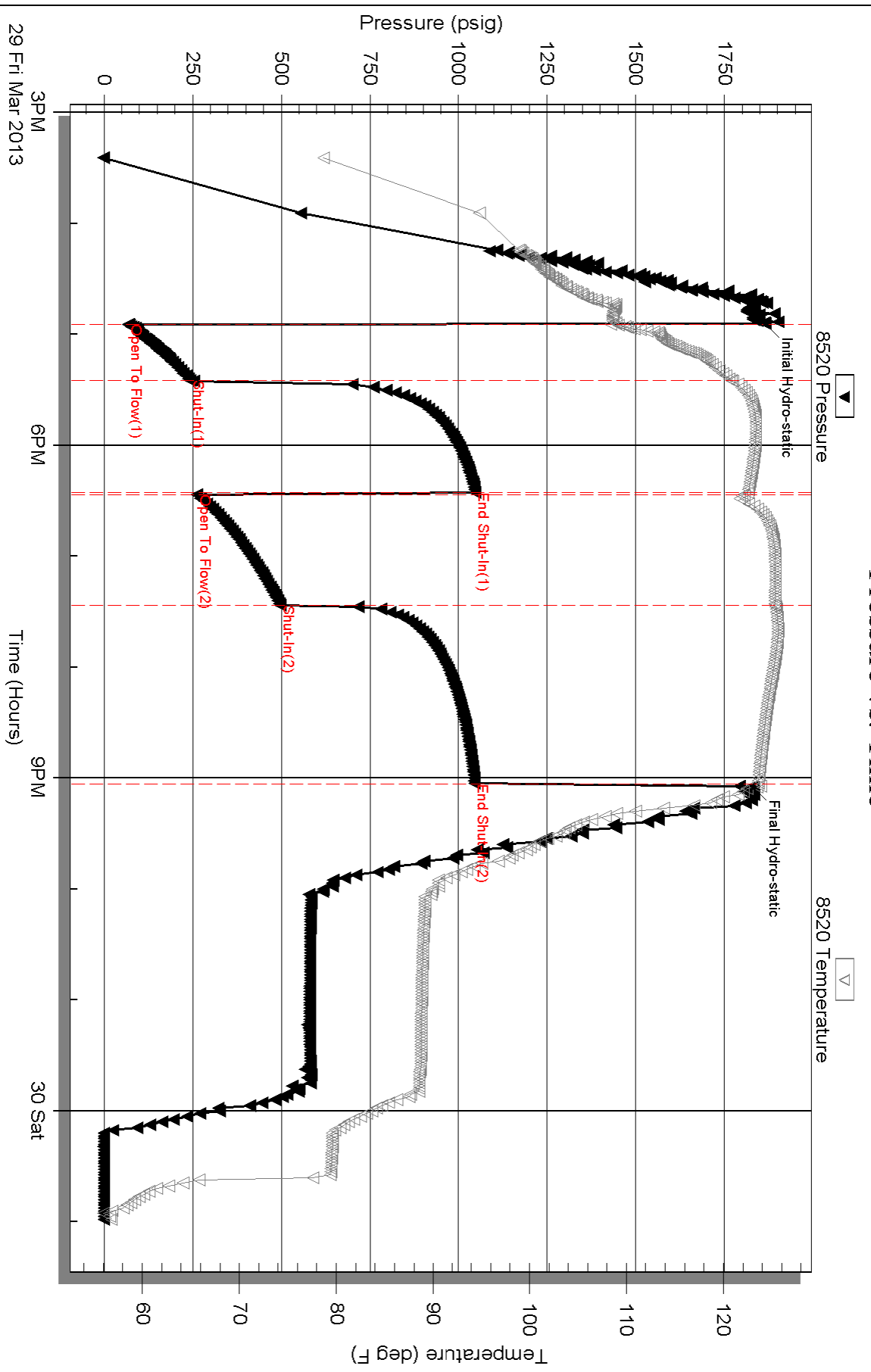
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



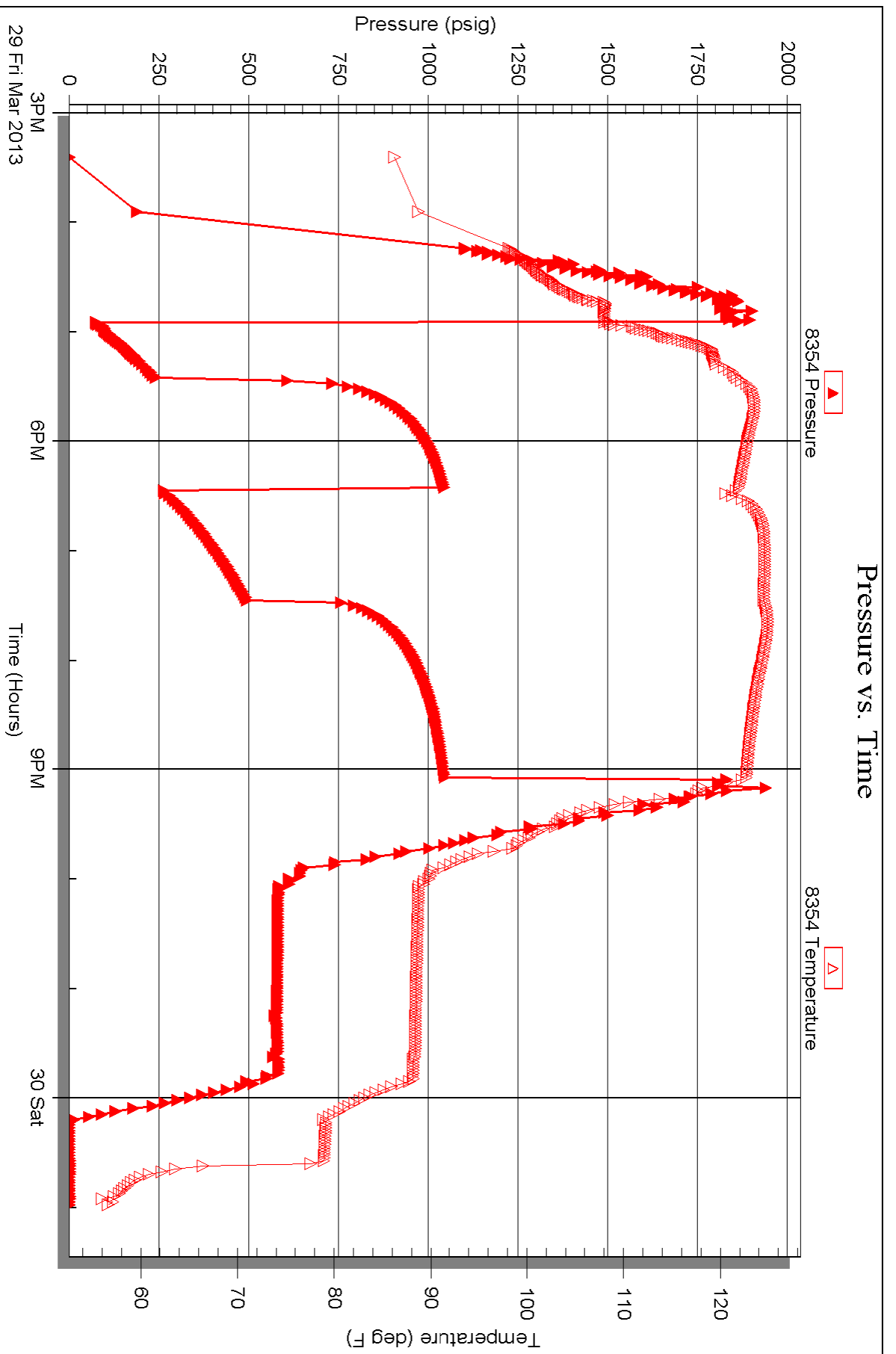
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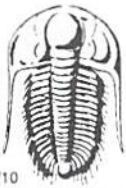
Inside

Cobalt Energy, LLC

Terry "B" #1-1

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51699

4/10

Well Name & No. Trey "B" #11 Test No. 1 Date 3-27-13
 Company Cobalt Energy, LLC Elevation 2368 KB 2357 GL
 Address 115 S. Belmont #12 Wichita, KS 67208
 Co. Rep / Geo. Cory Rig Murphy 21
 Location: Sec. 1 Twp. 11S Rge. 25W Co. Trego State KS

Interval Tested 3724-3750 Zone Tested LKC "C-D"
 Anchor Length 26' Drill Pipe Run _____ Mud Wt. 8.9
 Top Packer Depth 3719 Drill Collars Run 87.63 Vis 59
 Bottom Packer Depth 3724 Wt. Pipe Run 0 WL 7.2
 Total Depth 3750 Chlorides 1800 ppm System LCM 2#

Blow Description FF- Strong building blow. BOB @ 4 minutes,
JST- Return @ 1 minute. Built to 6 inches,
FF- Fair building blow. BOB @ 8 minutes,
FST- Return @ 2 minutes. Built to 6 inches.

Rec	Feet of	%gas	%oil	%water	%mud
<u>882</u>	<u>Gassy Oil</u>	<u>55</u>	<u>45</u>		
<u>60</u>	<u>HOC</u>		<u>40</u>	<u>30</u>	<u>30</u>
____	____	%gas	%oil	%water	%mud
____	<u>378' G.I.P.</u>	%gas	%oil	%water	%mud
____	<u>Dropped Bar</u>	%gas	%oil	%water	%mud

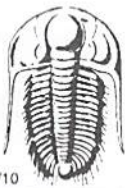
Rec Total 942 BHT 121 Gravity 27 API RW _____ @ _____ °F Chlorides N/A ppm

(A) Initial Hydrostatic 1772 Test 1150 T-On Location 1100
 (B) First Initial Flow 47 Jars T-Started 1200
 (C) First Final Flow 168 Safety Joint 75 T-Open 1337
 (D) Initial Shut-In 851 Circ Sub 50 T-Pulled 1740
 (E) Second Initial Flow 181 Hourly Standby 1 1.5h 150 T-Out 2130
 (F) Second Final Flow 321 Mileage 50X2 155 Comments BOB-1145
 (G) Final Shut-In 813 Sampler _____
 (H) Final Hydrostatic 1804 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1580
 Accessibility _____ MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60 90
 Final Shut-In _____
 Sub Total 1580

Approved By _____ Our Representative [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51700

Well Name & No. Terry "B" #1 Test No. 2 Date 3-28-13
 Company Cobalt Energy, LLC Elevation 2368 KB 2357 GL
 Address 115 S. Belmont #12 Wichita, KS 67208
 Co. Rep / Geo. Coy Rig Muller 21
 Location: Sec. 1 Twp. 11S Rge. 25W Co. Trego State KS

Interval Tested 3770-3794 Zone Tested LHC "E-F"
 Anchor Length 24' Drill Pipe Run _____ Mud Wt. 8.9
 Top Packer Depth 3765 Drill Collars Run 30.18 Vis 59
 Bottom Packer Depth 3770 Wt. Pipe Run 0 WL 7.2
 Total Depth 3794 Chlorides 1800 ppm System LCM 2#

Blow Description VF - Very weak building blow. Built to 2 1/2 inches.
IST - No Return.
FF - Very weak building blow. Built to 2 1/2 inches.
FST - No Return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Watery Mud w/oil spec</u>	<u>1</u>	<u>29</u>	<u>70</u>	
<u>20</u>	<u>Mud</u>			<u>100</u>	
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 40 BHT 115 Gravity _____ API RW 471 @ 65 °F Chlorides 14,500 ppm

- (A) Initial Hydrostatic 1797
 - (B) First Initial Flow 12
 - (C) First Final Flow 29
 - (D) Initial Shut-In 1157
 - (E) Second Initial Flow 30
 - (F) Second Final Flow 45
 - (G) Final Shut-In 1147
 - (H) Final Hydrostatic 1749
- Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90

- Test 1150
- Jars _____
- Safety Joint 75
- Circ Sub _____
- Hourly Standby _____
- Mileage 50X2 155
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1380

- T-On Location 0520
- T-Started 0540
- T-Open 0719
- T-Pulled 1120
- T-Out 1300
- Comments BHT-0536
- Ruined Shale Packer _____
- Ruined Packer _____
- Extra Copies _____
- Sub Total 0
- Total 1380
- MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52101

Well Name & No. Terry "B" #1-1 Test No. 3 Date 3-28-13
 Company Cobalt Energy, LLC Elevation 2368 KB 2357 GL
 Address 115 S. Belmont #12 Wichita, KS 67208
 Co. Rep / Geo. Coly Rig Mulvan 21
 Location: Sec. 1 Twp. 11S Rge. 25W Co. Trego State KS

Interval Tested 3822-3860 Zone Tested LKC "H"
 Anchor Length 38' Drill Pipe Run 3800 Mud Wt. 9.0
 Top Packer Depth 3817 Drill Collars Run 30.18 Vis 61
 Bottom Packer Depth 3822 Wt. Pipe Run 0 WL 7.2
 Total Depth 3860 Chlorides 1800 ppm System LCM 2#

Blow Description TF - Strong building blow. BOB @ 2 minutes,
ISI - Return @ 15 seconds. BOB @ 8 minutes 30 seconds,
FF - Strong building blow. BOB @ 5 minutes 30 seconds,
FSE - Return @ 1 minute. BOB @ 29 minutes,

Rec	Feet of	%gas	%oil	%water	%mud
<u>1040</u>	<u>Gassy Oil</u>	<u>25</u>	<u>75</u>		
<u>62</u>	<u>VSOC MW</u>		<u>5</u>	<u>70</u>	<u>25</u>
<u>62</u>	<u>USOC MW</u>		<u>2</u>	<u>83</u>	<u>15</u>
	<u>1353' G.I.P.</u>				
	<u>Dropped Bar</u>				

Rec Total 1164 BHT 124 Gravity 31 API RW, 822 @ 35° F Chlorides 16000 ppm

(A) Initial Hydrostatic 1841 Test 1150 T-On Location 2130
 (B) First Initial Flow 39 Jars T-Started 2145
 (C) First Final Flow 223 Safety Joint 75 T-Open 2334
 (D) Initial Shut-In 956 Circ Sub 50 T-Pulled 0340
 (E) Second Initial Flow 231 Hourly Standby T-Out 0700
 (F) Second Final Flow 484 Mileage 50X2 155 Comments Bar-2143
 (G) Final Shut-In 943 Sampler
 (H) Final Hydrostatic 1814 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
 Final Shut-In 90
 Sub Total 1430
 Total 1430
 MP/DST Dist't

Approved By _____ Our Representative [Signature]

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52102

Well Name & No. Terry "B" #1-1 Test No. 4 Date 3-29-13
 Company Cobalt Energy, LLC Elevation 2368 KB 2357 GL
 Address 115 S. Belmont #12 Wichita, KS 67208
 Co. Rep / Geo. Cary Baker Rig Mulnix 21
 Location: Sec. 1 Twp. 11S Rge. 25W Co. Trego State KS

Interval Tested 3860-3900 Zone Tested LKC "I-J"
 Anchor Length 40' Drill Pipe Run 3831 Mud Wt. 9.0
 Top Packer Depth 3855 Drill Collars Run 30.18 Vis 61
 Bottom Packer Depth 3860 Wt. Pipe Run 0 WL 7.2
 Total Depth 3900 Chlorides 1800 ppm System LCM 2#

Blow Description IF - Strong building blow, BOB @ 1 minute 45 seconds,
ISF - Return @ 15 seconds, BOB @ 11 minutes 30 seconds,
FF - Strong building blow, BOB @ 2 minutes,
FSF - Return @ 30 seconds, BOB @ 31 minutes,

Rec	Feet of	%gas	%oil	%water	%mud
1149	Gassy Oil	30	70		
124	HOCGM	15	45		40
	550' G.I.P.				
	Dropped Bar				

Rec Total 1273 BHT 125 Gravity 32 API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1866 Test 1150 T-On Location 1500
 (B) First Initial Flow 69 Jars _____ T-Started 1530
 (C) First Final Flow 243 Safety Joint 75 T-Open 1655
 (D) Initial Shut-In 1049 Circ Sub 50 T-Pulled 2100
 (E) Second Initial Flow 262 Hourly Standby 1 100 T-Out 0100
 (F) Second Final Flow 497 Mileage 50X2 155 Comments BHT-1514
 (G) Final Shut-In 1047 Sampler _____
 (H) Final Hydrostatic 1830 Straddle _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 60 Shale Packer _____ Ruined Packer _____
 Final Flow 60 Extra Packer _____ Extra Copies _____
 Final Shut-In 90 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1530
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1530

Approved By _____ Our Representative D. Rosh

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.

ALLIED OIL & GAS SERVICES, LLC 058980

Federal Tax I.D.# 20-5975804

SHIP TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Oakley

DATE 3-27-13	SEC. 1	TWP. 14	RANGE 25W	CALLED OUT	ON LOCATION	JOB START 3:00pm	JOB FINISH 3:30pm
Ferry R LEASE	WELL # 1-1	LOCATION Colyer 1E 6N 2 1/2 E	1/4 N Winto			COUNTY Trego	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Murfin 21 OWNER Same

TYPE OF JOB Surface

BORE HOLE SIZE 1 1/2" x T.D. 227' CEMENT

ANNULAR CASING SIZE 8 5/8" x DEPTH 223' AMOUNT ORDERED 165 sks com 38cc.

DRILL PIPE DEPTH 2 1/2 gal

COOLANT DEPTH

RES. MAX MINIMUM

WEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13.24 BBL

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Andrew Forstlund</u>			
<u>431</u>	HELPER <u>Rene Retzloff</u>			

BULK TRUCK				
<u>347</u>	DRIVER <u>David Braviano</u>			

BULK TRUCK	DRIVER			
------------	--------	--	--	--

HANDLING 178.42 cu/ft @ 2.48 442.48

MILEAGE 2.60 700/mi @ 8.1470n 1058.20

TOTAL 4908.38

REMARKS:

SERVICE

Cement did circulate

DEPTH OF JOB 223'

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE 50 miles @ 7.20 385.00

MANIFOLD head @ 225.00

light vehicle @ 440 220.00

TOTAL 2392.25

CHARGE TO: Colbalt Energy LLC

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (if Any)

TOTAL CHARGES 7,300.63

PRINTED NAME Juan Tinoco

DISCOUNT 1,606.13 IF PAID IN 30 DAYS

SIGNATURE Juan Tinoco

569449Net.



CONSOLIDATED
Oil Well Services, LLC

257772

TICKET NUMBER 39363
LOCATION Oakley KS
FOREMAN Miles Shaw
FuzzY KS

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-31-13	2180	Terry B - 1-1	1	115	25w	Trego
CUSTOMER Cobalt Energy LLC			GODA Rd			
MAILING ADDRESS			2 1/2 W			
CITY			1 W			
STATE			3 1/2 W			
ZIP CODE			W.W			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			463	Corey D		
			693	Ed W		
			530	Jordan L		
			Jack J Ride along			

JOB TYPE 2-stage HOLE SIZE 7 7/8 HOLE DEPTH 4220' CASING SIZE & WEIGHT 5 1/2 15.5*
CASING DEPTH 4217' DRILL PIPE _____ TUBING Top #54 OTHER DU @ 1990'
SLURRY WEIGHT 142-12.5 SLURRY VOL. 42-1.9 WATER gal/sk _____ CEMENT LEFT in CASING 42 #
DISPLACEMENT 99.3 DISPLACEMENT PSI _____ MIX PSI _____ RATE Top stage mix 3.5 disp 1.5

REMARKS: Safety meeting on MUR #21. Float equip cent 1, 3, 5, 7, 9, 11, 13, 15, 17, 53 BASK 14.53 BU Tool Top #54. Rig up and circulate LHA.
Pump 5 BBL water, 500 gal mud flush, 20 BBL KCL water. Mix 150 SKS OWC w/ S+Kolsal. Wash pump + lines. Drop plug and displace 52 BBL water 49 BBL mud 700' lift, land plug @ 1200' float held. Drop DU Bomb wait 10 min w open Tool @ 800' circ LHA. Pump 5 BBL water mix 15 SKS MH, 30 SKS RH. Mix 40 SKS 60/40 8% down 5 1/2 csg. lost returns approx 30 SKS from empty truck. Wash pump and lines drop plug and displace 21 BBL Had returns after 10 BBL then lost again shut down 15 min gained returns. 700' lift pass close BU Tool @ 1500'. Cement did circulate 10 BBL + 1 ft

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401c	1	PUMP CHARGE	3020 ⁰⁰	3020 ⁰⁰
5406	45	MILEAGE	5 ⁰⁰	225 ⁰⁰
5407A	26.4 don	Ton mileage Delivery	1.67	1984 ⁰⁵
1126	150 SKS	OWC	22 ³²	3382 ⁹⁰
1110A	750 #	Kolsal	.56	420 ⁰⁰
1131	450 SKS	60/40 poq	15 ¹⁰	6795 ⁰⁰
1118B	3096 #	Bentonite	.25	774 ⁰⁰
1107	113 #	Kolsal	2 ⁸²	318 ⁶⁶
1144G	500 gal	mud flush	1 ⁰⁰	500 ⁰⁰
1142A	2 sal	KCL	39 ¹⁰	78 ²⁰
4159	1	5 1/2 - AFU float shoe (w)	413 ⁰⁰	413 ⁰⁰
4130	10	5 1/2 - Centralizers (w)	58 ⁰⁰	580 ⁰⁰
4104	2	5 1/2 - Baskets (w)	276 ⁰⁰	552 ⁰⁰
4454	1	5 1/2 - Flex backdown (w)	567 ⁰⁰	567 ⁰⁰
4277	1	5 1/2 - DU Tool (w)	4800 ⁰⁰	4800 ⁰⁰
4310	1	5 1/2 - rotator	150 ⁰⁰	150 ⁰⁰
			subtotal	24559 ⁴¹
			less 10 ⁹⁰	2455 ⁹⁵
			subtotal - 22103. ⁴⁶	
			SALES TAX	1183.02
			ESTIMATED TOTAL	23286.48

Ravin 3737

completed
subtotal - 22103.⁴⁶
THANKS FuzzY crew
ESTIMATED TOTAL 23286.48

AUTHORIZATION Jeff Crawford TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



GEOLOGIST'S REPORT
DRILL TIME &
SAMPLE LOG

COMPANY **COBALT ENERGY, LLC**
LEASE **Terry 'B' #1-1**
FIELD **Wildcat**

ELEVATIONS
KB **2368'**
DF _____

LOCATION **690' FSL & 330' FEL**
SEC **1** TWP **11S** RGE **25W**
COUNTY **Trego** STATE **KS**
CONTRACTOR **Martin Drilling, Rig #21**
SPUD **3/23/13** COMP **3/31/13**
RTD **4/22/13** LTD **4/22/13**
MUD UP **3400'** TYPE MUD **Chemical**

CASING
Conductor **NA**
Surface **8 5/8" @ 223'**
Production **5 1/2" @ 4217'**

SAMPLES SAVED FROM **3550'** TO **RTD**
DRILLING TIME KEPT FROM **3550'** TO **RTD**
SAMPLES EXAMINED FROM **3550'** TO **RTD**

Electrical Surveys
Dial Induction, Vector-Derivativ

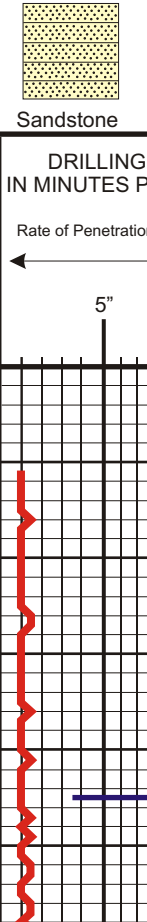
GEOLOGICAL SUPERVISION FROM **3500'** TO **RTD**
GEOLOGIST ON WELL **Corey N. Baker**

Minerals
Eminent Mirelline

FORMATION TOPS
Base of Anhydrite **1985 (+383)**
Heebner **3667 (-1299)**
Lansing **3704 (-1336)**
Stark **3897 (-1529)**
BKC **3944 (-1576)**
Pawnee **4076 (-1708)**
Cherokee **4160 (-1792)**
RTD / LTD **4220 (-1852)**

ELECTRIC LOG
1987 (+381)
2024 (+344)
3668 (-1300)
3704 (-1336)
3899 (-1531)
3946 (-1578)
4073 (-1705)
4162 (-1794)
4220 (-1852)

Section
1

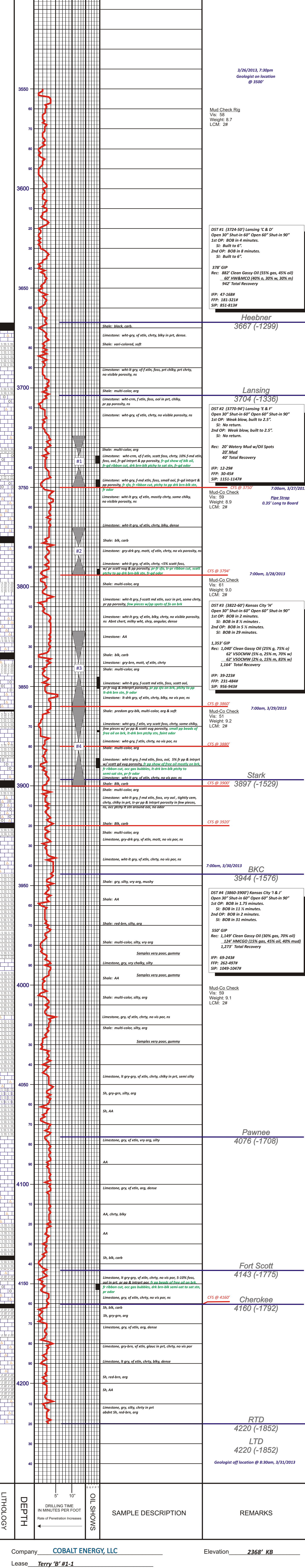
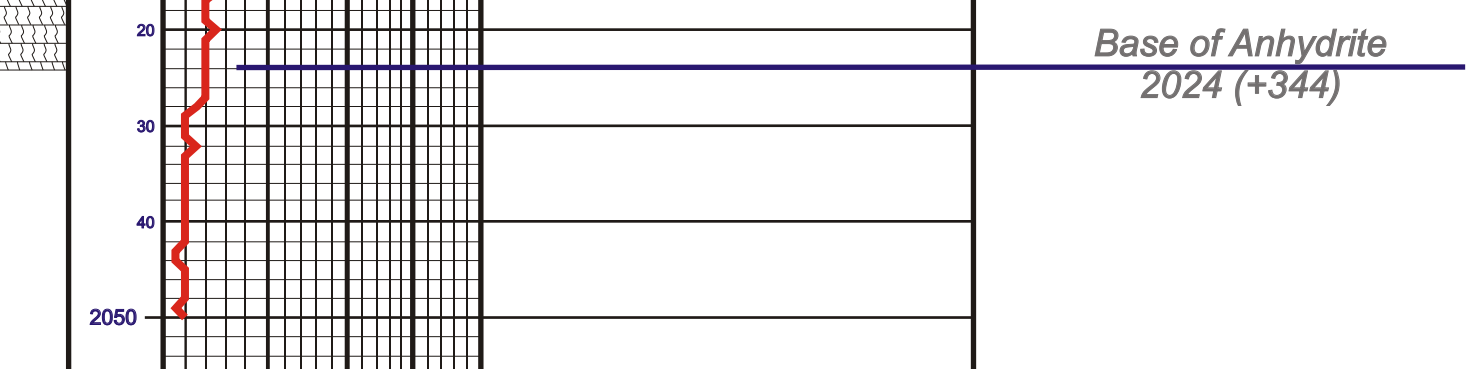


REMARKS
The Terry 'B' #1-1 ran favorably on all horizons compared to the Reilly Oil Co. Ruth #1-6, a producer located at 775' FSL & 430' FWL in section 6-11S-24W. Based on samples, logs and DST #1, #3 & #4, 5.5" casing was set to test the potential of this well.

Drill Stem testing by Dustin Rash of Trilobite Testing.
Respectfully Submitted,
Corey Baker
Petroleum Geologist

API #15-195-22852-00-00

LEGEND



Drilling Time in Minutes per Foot
Rate of Penetration Increases

DEPTH
1950
2000
2050
2100
2150
2200
2250
2300
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
2950
3000
3050
3100
3150
3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700
3750
3800
3850
3900
3950
4000
4050
4100
4150
4200

LITHOLOGY
Anhydrite
Sandstone
Limestone
Shale
Carb Sh
Cherty LS
Chert
Dolomite

OIL SHOWS
#1
#2
#3
#4

SAMPLE DESCRIPTION
Shale: black, carb
Limestone: wht-gry, v. stn, chrt, bily in prt, dense.
Shale: vari-colored, soft
Limestone: wht-ht gry, v. stn, foss, prt chily, prt chrt, no visible porosity, ns
Shale: multi-color, arg
Limestone: wht-orm, v. stn, foss, ool in prt, chily, pr pp porosity, ns
Limestone: wht-gry, v. stn, chrt, no visible porosity, ns
Shale: multi-color, arg
Limestone: wht-orm, v. stn, scatt foss, chrt, 10% fmd ool, fr-pg intprt & pp porosity, fr-pg show of blk oil, fr-gd ribbon cut, drk brn-blk pitchy to sat stn, fr-gd odor
Limestone: wht-gry, fmd stn, foss, small ool, fr-gd intprt & pp porosity, fr ribbon cut, pitchy to pp drk brn-blk stn, fr odor
Limestone: wht-ht gry, v. stn, mostly chrt, some chily, no visible porosity, ns
Limestone: wht-ht gry, v. stn, chrt, bily, dense
Shale: blk, carb
Limestone: gry-drk gry, matt, v. stn, chrt, no vis porosity, ns
Limestone: wht-ht gry, v. stn, chrt, -5% scatt foss, w/ pr scatt sup & pp porosity, pr pp drk brn-blk pitchy to sat stn, fr odor
Shale: multi-color, arg
Limestone: wht-ht gry, f-scatt mid stn, succ in prt, some chrt, pr pp porosity, few pieces w/ pp spots of fr on blk
Limestone: wht-ht gry, v. stn, bily, chrt, no visible porosity, ns
Abnt chert, milky wht, shrp, angulae, dense
Limestone: AA
Shale: blk, carb
Limestone: gry-brn, matt, v. stn, chrt
Shale: multi-color, arg
Limestone: wht-ht gry, f-scatt mid stn, foss, scatt ool, pr-py vug & intprt porosity, pr pp drk brn-blk pitchy to pp fr-drk brn stn, fr odor
Limestone: f-drk gry, v. stn, chrt, bily, no vis por, ns
Shale: predom gry-bly, multi-color, arg & soft
Limestone: wht-gry, v. stn, vry scatt foss, chrt, some chily, few pieces w/ pr pp & scatt vug porosity, small pp beads of fr on blk, fr ribbon cut, occ gas bubbles, drk brn-blk pitchy to semi-sat stn, pr-py odor
Limestone: wht-gry, v. stn, chrt, no vis por, ns
Shale: multi-color, arg
Limestone: wht-ht gry, f-md stn, foss, ool, 5% fr pp & intprt w/ scatt of sup porosity, fr pp show of fr on blk, fr ribbon cut, occ gas bubbles, drk brn-blk pitchy to semi-sat stn, pr-py odor
Limestone: wht-ht gry, v. stn, chrt, no vis por, ns, occ pitchy to sat around stn, no odor
Shale: blk, carb
Shale: multi-color, arg
Limestone: gry-drk gry, v. stn, matt, no vis por, ns
Limestone: wht-ht gry, v. stn, chrt, no vis por, ns
Shale: gry, silty, vry arg, muddy
Shale: AA
Shale: red-brn, silty, arg
Shale: multi-color, silty, vry arg
Samples vry poor, gummy
Limestone, gry, vry chaly, silty
Shale: AA
Samples vry poor, gummy
Limestone, gry, v. stn, chrt, no vis por, ns
Sh, gry-grn, silty, arg
Sh, AA
Limestone, gry, v. stn, vry arg, silty
AA
Limestone, gry, v. stn, arg, dense
AA, chrt, bily
AA
Sh, blk, carb
Limestone, fr gry-grn, v. stn, chrt, no vis por, 5-10% foss, ool in prt, w/ pr pp & intprt porosity, fr pp drk brn-blk pitchy to sat stn, pr-py odor
Limestone: wht-ht gry, v. stn, chrt, no vis por, ns
Sh, blk, carb
Sh, gry-grn, arg
Limestone, gry, v. stn, arg, dense
Limestone, gry-brn, v. stn, glass in prt, chrt, no vis por
Limestone, fr gry, v. stn, chrt, bily, dense
Sh, red-brn, arg
Sh, AA
Limestone, gry, silty, chrt in prt about 5%, red-brn, arg

REMARKS
All tops corrected to Log
Anhydrite
1985 (+383)
Base of Anhydrite
2024 (+344)
3/26/2013, 7:30am
Geologist on location
@ 3500'
Mud Check Rig
Vis: 58
Weight: 8.7
LCM: 2#
DST #1 (3724-50) Lansing 'C & D'
Open 30" Shut-in 60" Open 60" Shut-in 90"
1st OP: BOB in 4 minutes.
SI: Built to 6".
2nd OP: BOB in 8 minutes.
SI: Built to 6".
378' GIP
Rec: 882' Clean Gassy Oil (55% gas, 45% oil)
60' HW&MCO (40% o, 30% w, 30% m)
942' Total Recovery
FFP: 47-168#
FFP: 181-321#
SIP: 851-813#
Heebner
3667 (-1299)
Lansing
3704 (-1336)
DST #2 (3770-50) Lansing 'C & D'
Open 30" Shut-in 60" Open 60" Shut-in 90"
1st OP: BOB in 4 minutes.
SI: No return.
2nd OP: Weak blow, built to 2.5".
SI: No return.
Rec: 20' Watery Mud w/Oil Spots
20' Mud
467' Total Recovery
FFP: 12-29#
FFP: 30-45#
SIP: 115-1147#
Mud-Co Check
Vis: 58
Weight: 8.7
LCM: 2#
DST #3 (3822-60) Kansas City 'H'
Open 30" Shut-in 60" Open 60" Shut-in 90"
1st OP: BOB in 2 minutes.
SI: BOB in 5 1/2 minutes.
2nd OP: BOB in 5 1/2 minutes.
SI: BOB in 29 minutes.
1,353' GIP
Rec: 1,040' Clean Gassy Oil (25% g, 75% o)
62' VSOCMW (5% o, 25% m, 70% w)
62' VSOCMW (2% o, 15% m, 83% w)
1,164' Total Recovery
FFP: 39-223#
FFP: 231-484#
SIP: 956-943#
Mud-Co Check
Vis: 61
Weight: 9.0
LCM: 2#
DST #4 (3860-3900) Kansas City 'I & J'
Open 30" Shut-in 60" Open 60" Shut-in 90"
1st OP: BOB in 1.75 minutes.
SI: BOB in 11 1/2 minutes.
2nd OP: BOB in 2 minutes.
SI: BOB in 31 minutes.
550' GIP
Rec: 1,149' Clean Gassy Oil (30% gas, 70% oil)
124' HMCOW (15% gas, 45% oil, 40% mud)
1,273' Total Recovery
FFP: 69-243#
FFP: 262-497#
SIP: 1045-1047#
Mud-Co Check
Vis: 59
Weight: 9.1
LCM: 2#
7:00am, 3/27/2013
Pipe Strap
0.35" Long to Board
7:00am, 3/29/2013
7:00am, 3/30/2013
CFIS @ 3794'
CFIS @ 3794'
CFIS @ 3850'
CFIS @ 3850'
CFIS @ 3900'
CFIS @ 3920'

FORMATION TOPS
Base of Anhydrite **1985 (+383)**
Heebner **3667 (-1299)**
Lansing **3704 (-1336)**
Stark **3897 (-1529)**
BKC **3944 (-1576)**
Pawnee **4076 (-1708)**
Cherokee **4160 (-1792)**
RTD **4220 (-1852)**

ELECTRIC LOG
1987 (+381)
2024 (+344)
3668 (-1300)
3704 (-1336)
3899 (-1531)
3946 (-1578)
4073 (-1705)
4162 (-1794)
4220 (-1852)

Section
1

REMARKS
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Drill Stem testing by Dustin Rash of Trilobite Testing.
Respectfully Submitted,
Corey Baker
Petroleum Geologist

API #15-195-22852-00-00

Company **COBALT ENERGY, LLC** Elevation **2368' KB**
Lease **Terry 'B' #1-1**
Location **690' FSL & 330' FEL** SEC. **1** TWP **11S** RGE **25W**
County **Trego** State **Kansas**