



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1196038  
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: \_\_\_\_\_

1196038

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	Gillespie Trust 'A' 1-27X
Doc ID	1196038

All Electric Logs Run

Neutron-Density
Dual Induction
Microlog
Sonic

Form	ACO1 - Well Completion
Operator	Cobalt Energy LLC
Well Name	Gillespie Trust 'A' 1-27X
Doc ID	1196038

Tops

Name	Top	Datum
Anhydrite	2343	480
Base Anhydrite	2381	442
Heebner	3898	-1075
Lansing	3938	-1115
Stark	4162	-1339
BKC	4216	-1393
Ft Scott	4418	-1595
Cherokee	4445	-1622
Mississippian	4506	-1683





# ALLIED OIL & GAS SERVICES, LLC 062572

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:  
Clark Co. TX

DATE <u>3/3/14</u>	SEC. <u>27</u>	TWP. <u>11</u>	RANGE <u>89</u>	CALLED OUT	ON LOCATION	JOB START <u>1200pm</u>	JOB FINISH <u>1000pm</u>
LEASE <u>Willispe Well #127</u>			LOCATION <u>Cross Fork 35 24 1/4 W 10 N 70</u>		COUNTY <u>Clark</u>	STATE <u>TX</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Pickensall

TYPE OF JOB PTT

HOLE SIZE <u>2 7/8</u>	T.D.
CASING SIZE <u>2 1/2</u>	DEPTH <u>224</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

OWNER Same

CEMENT AMOUNT ORDERED 205 60/40 400 gel  
1/4 Flo

EQUIPMENT

PUMP TRUCK # <u>423-281</u>	CEMENTER <u>Alex Ryan</u>
BULK TRUCK # <u>320</u>	HELPER <u>David Ryan</u>
BULK TRUCK #	DRIVER <u>Alex (TWS)</u>
BULK TRUCK #	DRIVER

COMMON <u>10.3</u>	@ <u>12.94</u>	<u>220.170</u>
POZMIX <u>8.0</u>	@ <u>9.35</u>	<u>76.80</u>
GEL <u>7</u>	@ <u>23.40</u>	<u>163.80</u>
CHLORIDE	@	
ASC	@	
<u>Flo seal 5.16</u>	@ <u>2.92</u>	<u>15.12</u>
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>270.153</u>	@ <u>2.48</u>	<u>545.98</u>
MILEAGE <u>2nd mile 9.191</u>	@ <u>7.00</u>	<u>64.34</u>
TOTAL		<u>447.44</u>

REMARKS:

25 SL @ 29.58 FT

100 SL @ 14.16 FT

40 SL @ 2.72 FT

10 SL @ 4.0 FT

30 SL @ Not Note

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>2483.52</u>
EXTRA FOOTAGE	@	
MILEAGE <u>27</u>	@ <u>7.34</u>	<u>207.90</u>
MANIFOLD	@	
<u>CTC Vehicle 27</u>	@ <u>4.40</u>	<u>118.80</u>
	@	
TOTAL		<u>2810.29</u>

CHARGE TO: Cohalt

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

<u>8 1/2 Wood Plug</u>	@	<u>110.00</u>
	@	
	@	
	@	
TOTAL		<u>110.00</u>

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 7,395.22

DISCOUNT 1,457.04 IF PAID IN 30 DAYS

5,938.17 Net

PRINTED NAME Kirk Denning

SIGNATURE Kirk Denning



## DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037  
Wichita KS 67208

ATTN: Corey Baker

**Gillespie A #1-27X**

**27-11s-29w Gove,KS**

Start Date: 2014.02.27 @ 01:55:00

End Date: 2014.02.27 @ 09:52:00

Job Ticket #: 56218                      DST #: 1

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

Printed: 2014.03.04 @ 09:46:45





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Cobalt Energy LLC

**27-11s-29w Gove,KS**

PO Box 8037  
Wichita KS 67208

**Gillespie A #1-27X**

Job Ticket: 56218

**DST#: 1**

ATTN: Corey Baker

Test Start: 2014.02.27 @ 01:55:00

## GENERAL INFORMATION:

Formation: **KC "C-F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:02:15

Time Test Ended: 09:52:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

**Interval: 3970.00 ft (KB) To 4040.00 ft (KB) (TVD)**

Reference Elevations: 2811.00 ft (KB)

Total Depth: 4040.00 ft (KB) (TVD)

2803.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8736**

**Outside**

Press@RunDepth: 167.63 psig @ 3973.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.27

End Date:

2014.02.27

Last Calib.:

2014.02.27

Start Time: 01:55:05

End Time:

09:51:59

Time On Btm:

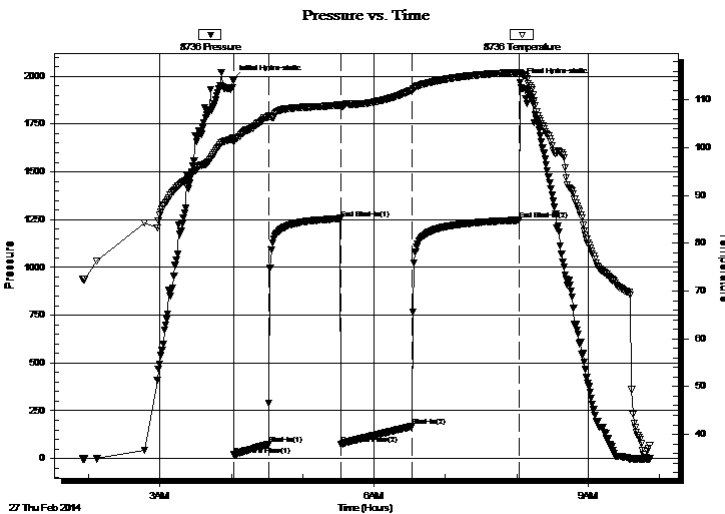
2014.02.27 @ 04:01:30

Time Off Btm:

2014.02.27 @ 08:02:45

TEST COMMENT: IF-9" blow  
ISI-No blow  
FF-BOB in 39 min  
FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1983.03	102.04	Initial Hydro-static
1	19.38	101.09	Open To Flow (1)
30	74.46	106.44	Shut-In(1)
91	1255.76	108.94	End Shut-In(1)
91	75.06	108.48	Open To Flow (2)
151	167.63	111.99	Shut-In(2)
241	1247.28	115.68	End Shut-In(2)
242	1965.63	115.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
135.00	MCW 20%M 80%W	1.89
185.00	VSWCM 5%W 95%M	2.60

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Cobalt Energy LLC

**27-11s-29w Gove,KS**

PO Box 8037  
Wichita KS 67208

**Gillespie A #1-27X**

Job Ticket: 56218

**DST#: 1**

ATTN: Corey Baker

Test Start: 2014.02.27 @ 01:55:00

## Tool Information

Drill Pipe:	Length: 3965.00 ft	Diameter: 3.80 inches	Volume: 55.62 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3970.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	70.00 ft				
Tool Length:	98.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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

Shut In Tool	5.00			3947.00	
Hydraulic tool	5.00			3952.00	
Jars	5.00			3957.00	
Safety Joint	3.00			3960.00	
Packer	5.00			3965.00	28.00 Bottom Of Top Packer
Packer	5.00			3970.00	
Stubb	1.00			3971.00	
Perforations	2.00			3973.00	
Recorder	0.00	8018	Inside	3973.00	
Recorder	0.00	8736	Outside	3973.00	
Change Over Sub	1.00			3974.00	
Drill Pipe	62.00			4036.00	
Change Over Sub	1.00			4037.00	
Bullnose	3.00			4040.00	70.00 Bottom Packers & Anchor

**Total Tool Length: 98.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Cobalt Energy LLC

**27-11s-29w Gove,KS**

PO Box 8037  
Wichita KS 67208

**Gillespie A #1-27X**

Job Ticket: 56218

**DST#: 1**

ATTN: Corey Baker

Test Start: 2014.02.27 @ 01:55:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

56000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
135.00	MCW 20%M 80%W	1.894
185.00	VSWCM 5%W 95%M	2.595

Total Length: 320.00 ft

Total Volume: 4.489 bbl

Num Fluid Samples: 0

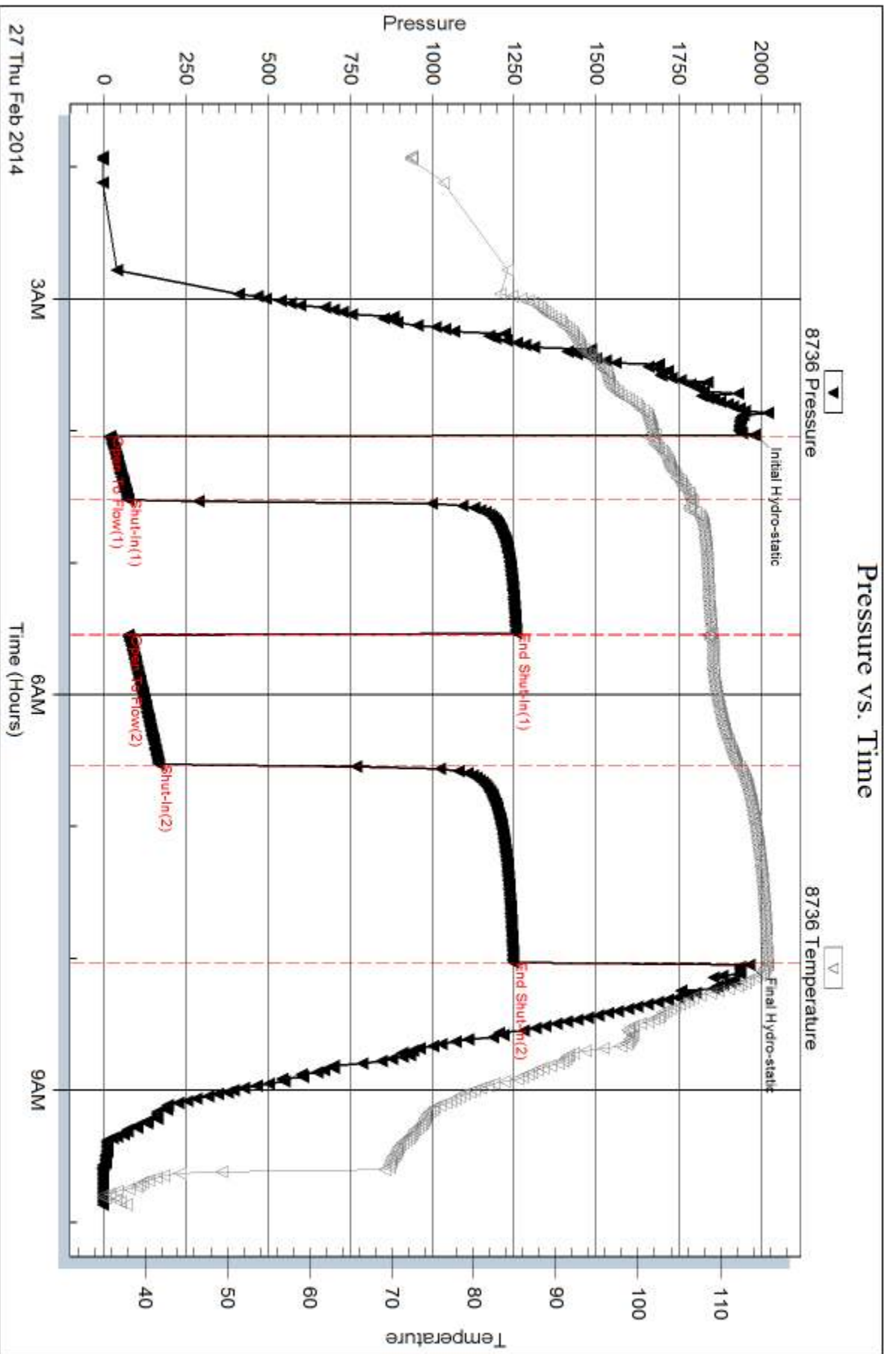
Num Gas Bombs: 0

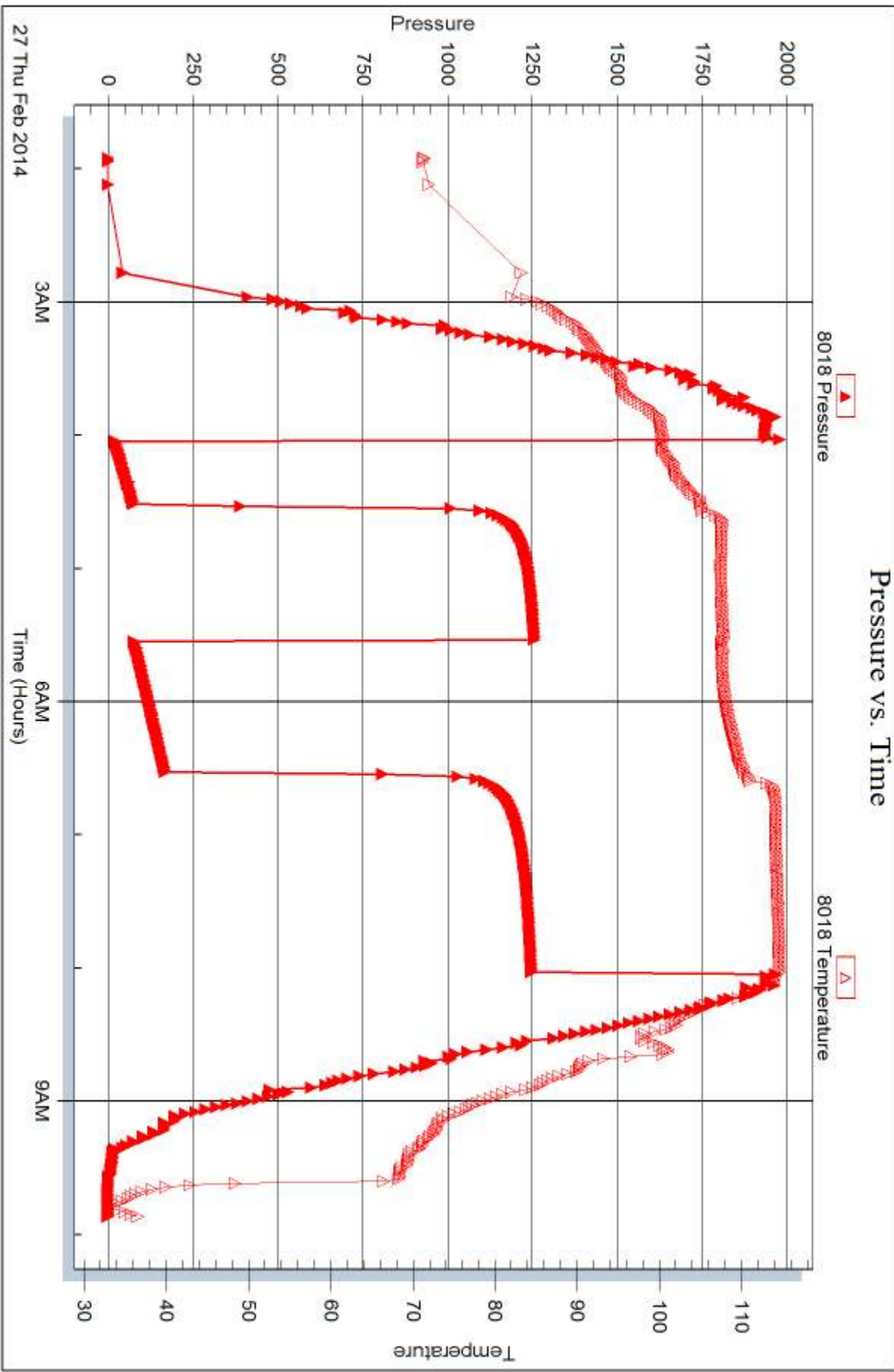
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037  
Wichita KS 67208

ATTN: Corey Baker

**Gillespie A #1-27X**

**27-11s-29w Gove,KS**

Start Date: 2014.02.28 @ 00:40:00

End Date: 2014.02.28 @ 08:45:15

Job Ticket #: 56219                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2014.03.04 @ 09:46:09

Cobalt Energy LLC  
27-11s-29w Gove,KS  
Gillespie A #1-27X  
DST # 2  
KC"H-J"  
2014.02.28



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Cobalt Energy LLC

**27-11s-29w Gove,KS**

PO Box 8037  
Wichita KS 67208

**Gillespie A #1-27X**

Job Ticket: 56219

**DST#: 2**

ATTN: Corey Baker

Test Start: 2014.02.28 @ 00:40:00

## GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:02:00

Time Test Ended: 08:45:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

**Interval: 4082.00 ft (KB) To 4160.00 ft (KB) (TVD)**

Reference Elevations: 2811.00 ft (KB)

Total Depth: 4160.00 ft (KB) (TVD)

2803.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8736 Outside**

Press@RunDepth: 41.47 psig @ 4085.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.02.28

End Date:

2014.02.28

Last Calib.:

2014.02.28

Start Time: 00:40:05

End Time:

08:45:14

Time On Btm:

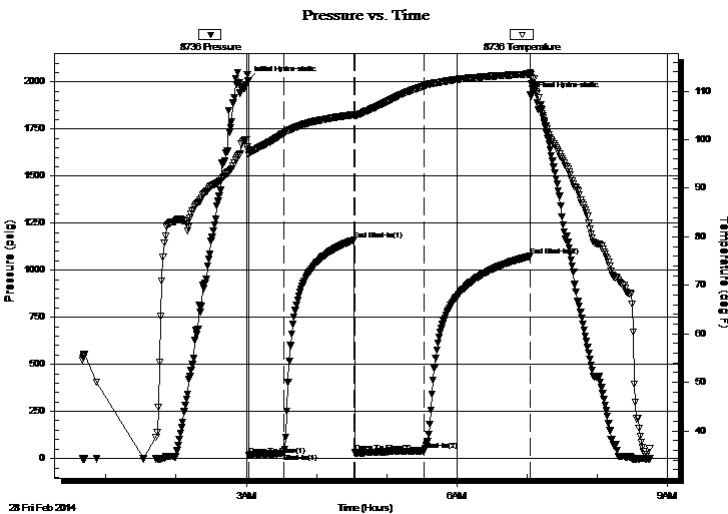
2014.02.28 @ 03:01:30

Time Off Btm:

2014.02.28 @ 07:03:15

TEST COMMENT: IF-3" blow  
IS-No blow  
FF-1" blow  
FS-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2008.65	97.95	Initial Hydro-static
1	17.85	96.85	Open To Flow (1)
31	26.67	101.30	Shut-In(1)
91	1159.85	105.15	End Shut-In(1)
92	30.95	104.95	Open To Flow (2)
151	41.47	111.06	Shut-In(2)
241	1074.84	113.55	End Shut-In(2)
242	1924.83	113.36	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	MCW 30%M 70%W	0.70

## Gas Rates

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

\* Recovery from multiple tests







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Cobalt Energy LLC

**27-11s-29w Gove,KS**

PO Box 8037  
Wichita KS 67208

**Gillespie A #1-27X**

Job Ticket: 56219

**DST#: 2**

ATTN: Corey Baker

Test Start: 2014.02.28 @ 00:40:00

## Tool Information

Drill Pipe:	Length: 4060.00 ft	Diameter: 3.80 inches	Volume: 56.95 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 61000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	4082.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	106.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4059.00	
Hydraulic tool	5.00			4064.00	
Jars	5.00			4069.00	
Safety Joint	3.00			4072.00	
Packer	5.00			4077.00	28.00 Bottom Of Top Packer
Packer	5.00			4082.00	
Stubb	1.00			4083.00	
Perforations	2.00			4085.00	
Recorder	0.00	8018	Inside	4085.00	
Recorder	0.00	8736	Outside	4085.00	
Change Over Sub	1.00			4086.00	
Drill Pipe	62.00			4148.00	
Change Over Sub	1.00			4149.00	
Perforations	8.00			4157.00	
Bullnose	3.00			4160.00	78.00 Bottom Packers & Anchor

**Total Tool Length: 106.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Cobalt Energy LLc

**27-11s-29w Gove,KS**

PO Box 8037  
Wichita KS 67208

**Gillespie A #1-27X**

Job Ticket: 56219

**DST#: 2**

ATTN: Corey Baker

Test Start: 2014.02.28 @ 00:40:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

60000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	MCW 30%M 70%W	0.701

Total Length: 50.00 ft      Total Volume: 0.701 bbl

Num Fluid Samples: 0

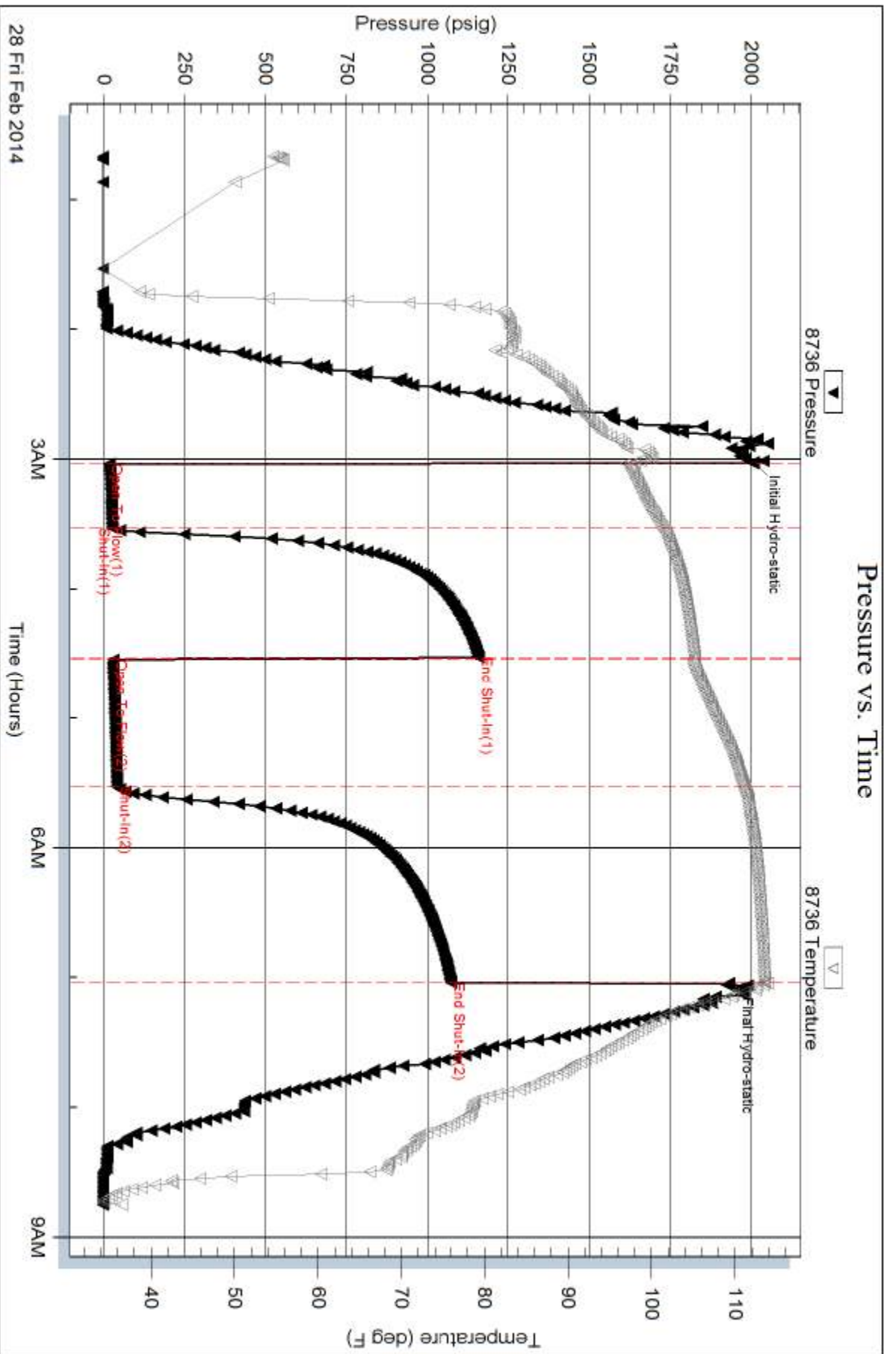
Num Gas Bombs: 0

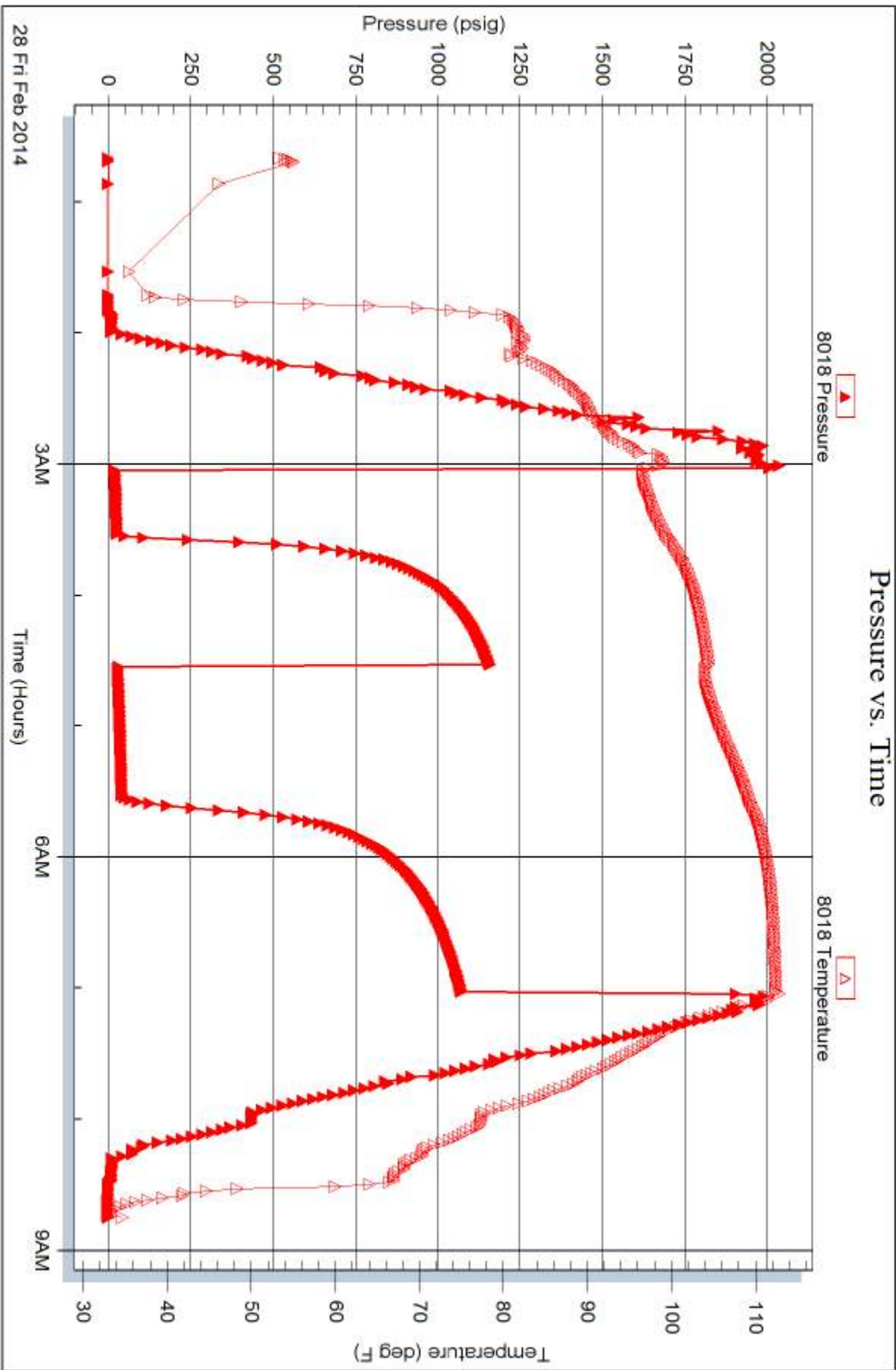
Serial #:

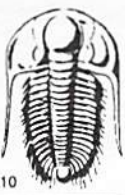
Laboratory Name:

Laboratory Location:

Recovery Comments:







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **56218**

4/10

Well Name & No. Gillespie Trust "A" #1-27x Test No. 1 Date \_\_\_\_\_  
 Company Cobalt Energy LLC Elevation 2811 KB 2803 GL \_\_\_\_\_  
 Address PO Box 8037 Wichita KS 67208  
 Co. Rep / Geo. Cory Becker Rig Pickrell #10  
 Location: Sec. 27 Twp. 11 Rge. 29 Co. Gove State KS

Interval Tested 3970-4040 Zone Tested KC "C-F"  
 Anchor Length 70 Drill Pipe Run 3965 Mud Wt. 9.0  
 Top Packer Depth 3965 Drill Collars Run \_\_\_\_\_ Vis 50  
 Bottom Packer Depth 3970 Wt. Pipe Run \_\_\_\_\_ WL 6.8  
 Total Depth 4040 Chlorides 1,300 ppm System LCM 1

Blow Description 2F - 9 in Blow  
ISL - No blow  
FF - BOB in 39 min  
FSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>185</u>	<u>vs wcm</u>		<u>5</u>	<u>95</u>	
<u>135</u>	<u>MCW</u>		<u>80</u>	<u>20</u>	
_____	_____				
_____	_____				
_____	_____				

Rec Total 320 BHT 116 Gravity \_\_\_\_\_ API RW 23 @ 40 ° F Chlorides 36,000 ppm

(A) Initial Hydrostatic <u>1,983</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1:00</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:55</u>
(C) First Final Flow <u>74</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>4:00</u>
(D) Initial Shut-In <u>1,256</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>8:00</u>
(E) Second Initial Flow <u>75</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>9:50</u>
(F) Second Final Flow <u>168</u>	<input checked="" type="checkbox"/> Mileage <u>143rt</u> <u>221.65</u>	Comments _____
(G) Final Shut-In <u>1,247</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>4,966</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30  
 Initial Shut-In 80  
 Final Flow 60  
 Final Shut-In 90

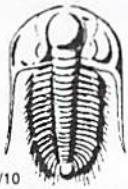
Shale Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_

Sub Total 1796.65

Total 1796.65  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Burton

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. 56219

Well Name & No. Gillespie trust "A" #1-27x Test No. 2 Date 2/28/14  
 Company Cobalt Energy LLC Elevation 2811 KB 2803 GL  
 Address PO Box 8037 Wichita KS 67208  
 Co. Rep / Geo. Cory Becker Rig Pickwell #10  
 Location: Sec. 27 Twp. 11 Rge. 29 Co. Gove State KS

Interval Tested 4082 - 4160 Zone Tested KC "H-J"  
 Anchor Length 78 Drill Pipe Run 4060 Mud Wt. \_\_\_\_\_  
 Top Packer Depth 4077 Drill Collars Run — Vis \_\_\_\_\_  
 Bottom Packer Depth 4082 Wt. Pipe Run — WL \_\_\_\_\_  
 Total Depth 4160 Chlorides \_\_\_\_\_ ppm System LCM \_\_\_\_\_

Blow Description IF - 3in blow  
ISF - No blow  
FF - 1in blow  
FSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>MCW</u>			<u>30</u>	<u>30</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 50 BHT 114 Gravity \_\_\_\_\_ API RW 2 @ 45 ° F Chlorides 60,000 ppm

(A) Initial Hydrostatic <u>2,008</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>00:15</u>
(B) First Initial Flow <u>18</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>00:40</u>
(C) First Final Flow <u>27</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>3:00</u>
(D) Initial Shut-In <u>1,160</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>7:00</u>
(E) Second Initial Flow <u>31</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>8:45</u>
(F) Second Final Flow <u>41</u>	<input checked="" type="checkbox"/> Mileage <u>143-RT</u> 443.30	Comments <u>loaded tools</u>
(G) Final Shut-In <u>1,075</u>	<input type="checkbox"/> Sampler _____	<u>3/1/14 at 15:30</u>
(H) Final Hydrostatic <u>1,925</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 60  
 Final Shut-In 90

Day Standby 1d 6.75h  
 Accessibility \_\_\_\_\_

Sub Total 2018.30

Sub Total 800  
 Total 2818.30  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Burt D...

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**COBALT ENERGY LLC**  
 GEOLGISTS REPORT  
 DRILL TIME &  
 SAMPLE LOG

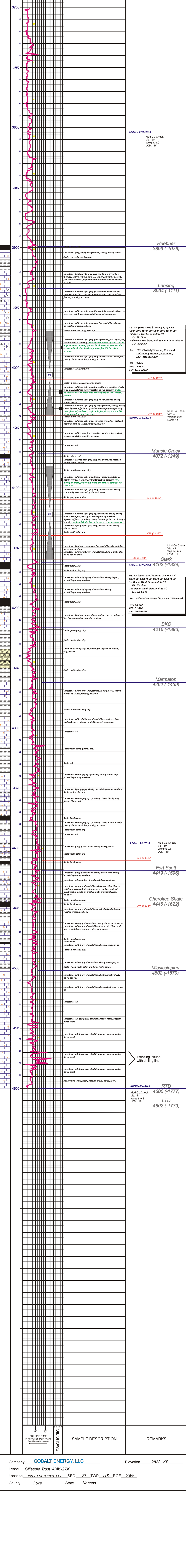
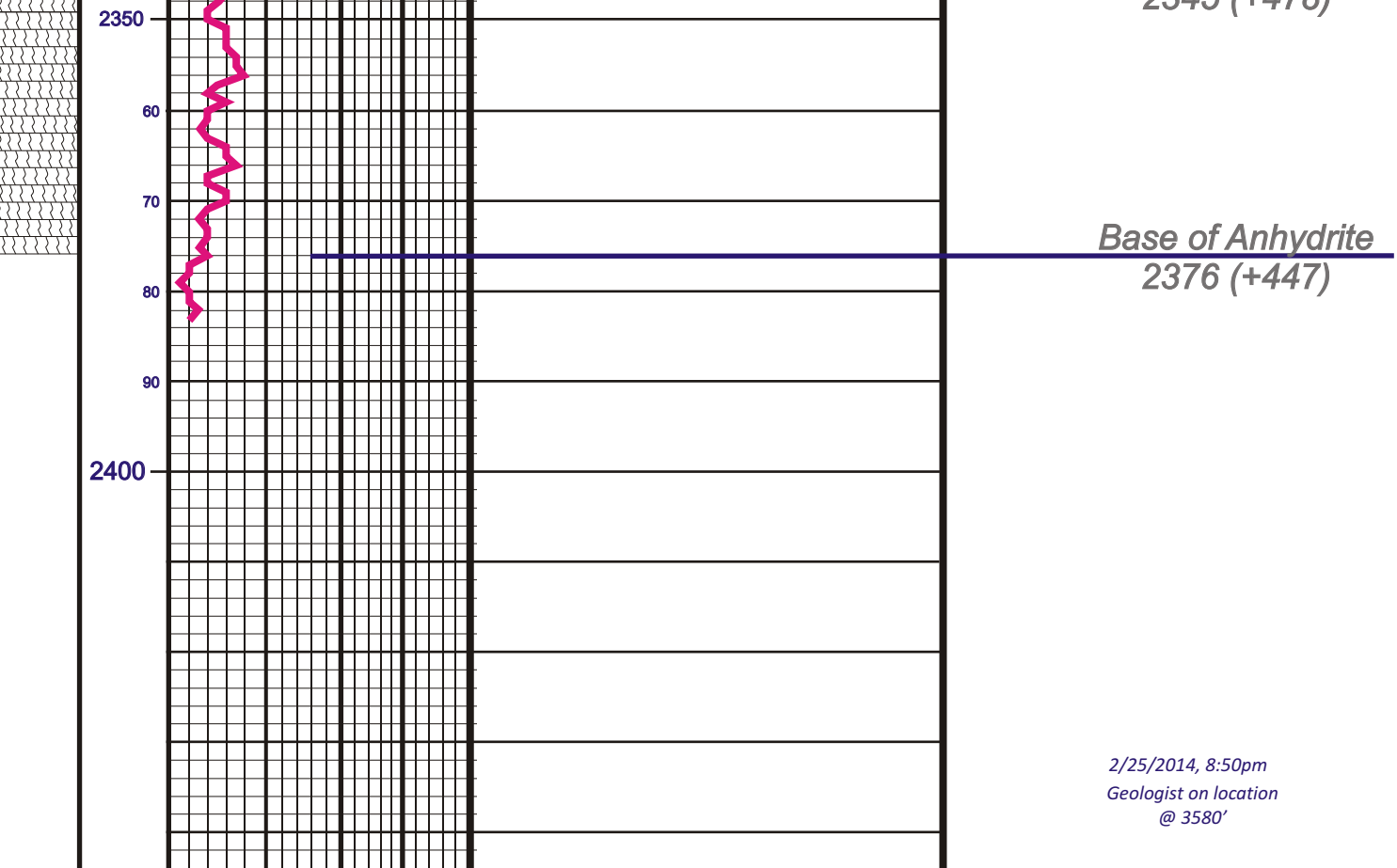
COMPANY: **COBALT ENERGY LLC**  
 LEASE: **Gillespie Trust 'A' #1-27X**  
 FIELD: **Wildcat**  
 LOCATION: **2242' FSL & 1834' FEL**  
 SEC: **27** TWP: **11S** RGE: **29W**  
 COUNTY: **Gove** STATE: **KS**  
 CONTRACTOR: **Pickrel Drilling Co., Rig #10**  
 SPUD: **02/21/14** COMP: **02/21/14**  
 RTD: **4800'** TYPE: **MUD** LTD: **4602'**  
 MUD UP: **3500'** TYPE: **MUD** LTD: **4602'**  
 SAMPLES SAVED FROM: **3700' to RTD**  
 DRILLING TIME KEPT FROM: **3700' to RTD**  
 SAMPLES EXAMINED FROM: **3700' to RTD**  
 GEOLOGICAL SUPERVISION FROM: **3580' to RTD**  
 GEOLOGIST ON WELL: **Corey N. Baker**  
 PHOENIX ENERGY SERVICES

ELEVATIONS  
 KB: **2823'**  
 DF: \_\_\_\_\_  
 GL: **2816'**  
 Measurements are All From **KB**  
 CASING  
 Conductor: **NA**  
 Surface: **8 5/8" @ 222'**  
 Production: **None**  
 Electrical Surveys  
 Microlog: **None**  
 Dual Induction: **Neutron-Density**

FORMATION TOPS  
 Anhydrite: **2345 (+478)**  
 Base of Anhydrite: **2376 (+447)**  
 Heebner: **3899 (-1076)**  
 Lansing: **3934 (-1111)**  
 Stark: **4161 (-1339)**  
 BKC: **4216 (-1393)**  
 Cherokee Shale: **4445 (-1622)**  
 Mississippian: **4502 (-1679)**  
 LTD: **4602 (-1779)**

REMARKS  
 The Gillespie Trust 'A' #1-27X ran positive structurally to the dry hole roughly 3/4 mile to the north through the Lansing/Kansas City then began to thicken. All shows were tested with negative results. Logs were run and the decision was made to plug & abandon this test as a dry hole.  
 \*(Note) The Gillespie Trust 'A' #1-27 was P&A'd at 964' after a split was discovered in the surface casing. The rig was skid 16' north to the new 'X' location.  
 Respectfully Submitted,  
 Corey Baker  
 Vice President - Exploration  
 Cobalt Energy, LLC  
 API #15-063-22180-00-00

**LEGEND**



DEPTH	LITHOLOGY	SAMPLE DESCRIPTION	REMARKS
2300-2345	Anhydrite		*All tops corrected to Electric Log
2345-2376	Anhydrite		2345 (+478)
2376-3899	Base of Anhydrite		2376 (+447)
3899-3934	Heebner		3899 (-1076)
3934-3950	Lansing		3934 (-1111)
3950-4072	Muncie Creek		4072 (-1249)
4072-4161	Stark		4161 (-1339)
4161-4216	BKC		4216 (-1393)
4216-4262	Marmaton		4262 (-1439)
4262-4445	Fort Scott		4419 (-1596)
4445-4450	Cherokee Shale		4445 (-1622)
4450-4502	Mississippian		4502 (-1679)
4502-4600	LTD		4600 (-1777)
4600-4602	LTD		4602 (-1779)

Company: **COBALT ENERGY, LLC** Elevation: **2823' KB**  
 Lease: **Gillespie Trust 'A' #1-27X**  
 Location: **2242' FSL & 1834' FEL** SEC. **27** TWP **11S** RGE **29W**  
 County: **Gove** State: **Kansas**