

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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
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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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208+0037

ATTN: Larry Nicholson

Trexler #1-29

29-7s-23w Graham KS

Start Date: 2021.06.14 @ 05:01:00

End Date: 2021.06.14 @ 11:53:26

Job Ticket #: 67357 DST #: 1

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

Printed: 2021.06.17 @ 15:29:21



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC
 PO Box 8037
 Wichita KS 67208+0037
 ATTN: Larry Nicholson

29-7s-23w Graham KS
Trexler #1-29
 Job Ticket: 67357 **DST#: 1**
 Test Start: 2021.06.14 @ 05:01:00

GENERAL INFORMATION:

Formation: **LKC C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:53:42
 Time Test Ended: 11:53:26
 Interval: **3621.00 ft (KB) To 3643.00 ft (KB) (TVD)**
 Total Depth: 3643.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2323.00 ft (KB)
 2318.00 ft (CF)
 KB to GR/CF: 5.00 ft

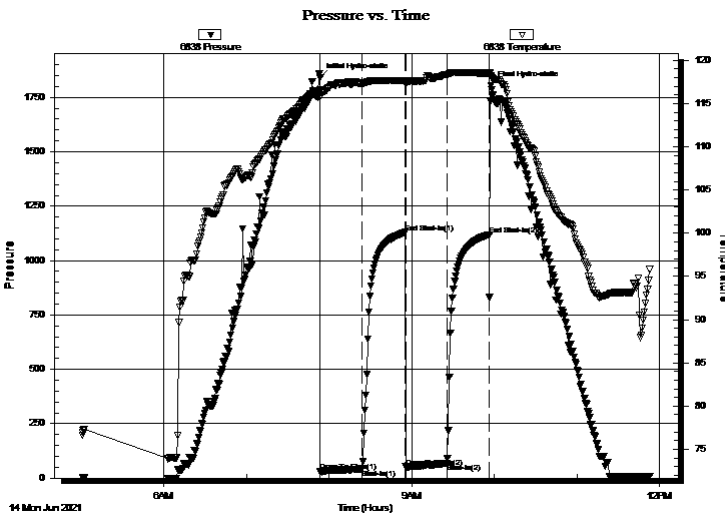
Serial #: 6838

Inside

Press@RunDepth: 68.59 psig @ 3622.00 ft (KB) Capacity: psig
 Start Date: 2021.06.14 End Date: 2021.06.14 Last Calib.: 2021.06.14
 Start Time: 05:01:01 End Time: 11:53:26 Time On Btm: 2021.06.14 @ 07:53:37
 Time Off Btm: 2021.06.14 @ 09:57:52

TEST COMMENT: 30-IF-Surface to 3/4"
 30-ISI-No Return
 30-FF-Surface to 1/2"
 30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1839.76	116.63	Initial Hydro-static
1	30.03	115.84	Open To Flow (1)
31	41.85	117.34	Shut-In(1)
62	1129.19	117.65	End Shut-In(1)
63	51.61	117.16	Open To Flow (2)
92	68.59	118.34	Shut-In(2)
123	1119.48	118.52	End Shut-In(2)
125	1805.13	118.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	WM 40%W 60%M	0.39

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

29-7s-23w Graham KS

PO Box 8037
Wichita KS 67208+0037

Trexler #1-29

Job Ticket: 67357

DST#: 1

ATTN: Larry Nicholson

Test Start: 2021.06.14 @ 05:01:00

Tool Information

Drill Pipe:	Length: 3436.00 ft	Diameter: 3.82 inches	Volume: 48.71 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 76000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 69000.00 lb
Depth to Top Packer:	3621.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3594.00	
Change Over Sub	1.00			3595.00	
Shut In Tool	5.00			3600.00	
Hydraulic tool	5.00		Fluid	3605.00	
Gap Sub	4.00			3609.00	
Safety Joint	3.00			3612.00	
Packer	5.00			3617.00	28.00 Bottom Of Top Packer
Packer	4.00			3621.00	
Stubb	1.00			3622.00	
Recorder	0.00	6838	Inside	3622.00	
Recorder	0.00	8875	Outside	3622.00	
Perforations	18.00			3640.00	
Bullnose	3.00			3643.00	22.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

29-7s-23w Graham KS

PO Box 8037
Wichita KS 67208+0037

Trexler #1-29

Job Ticket: 67357

DST#: 1

ATTN: Larry Nicholson

Test Start: 2021.06.14 @ 05:01:00

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: 61000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume: bbl

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	WM 40%W 60%M	0.393

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

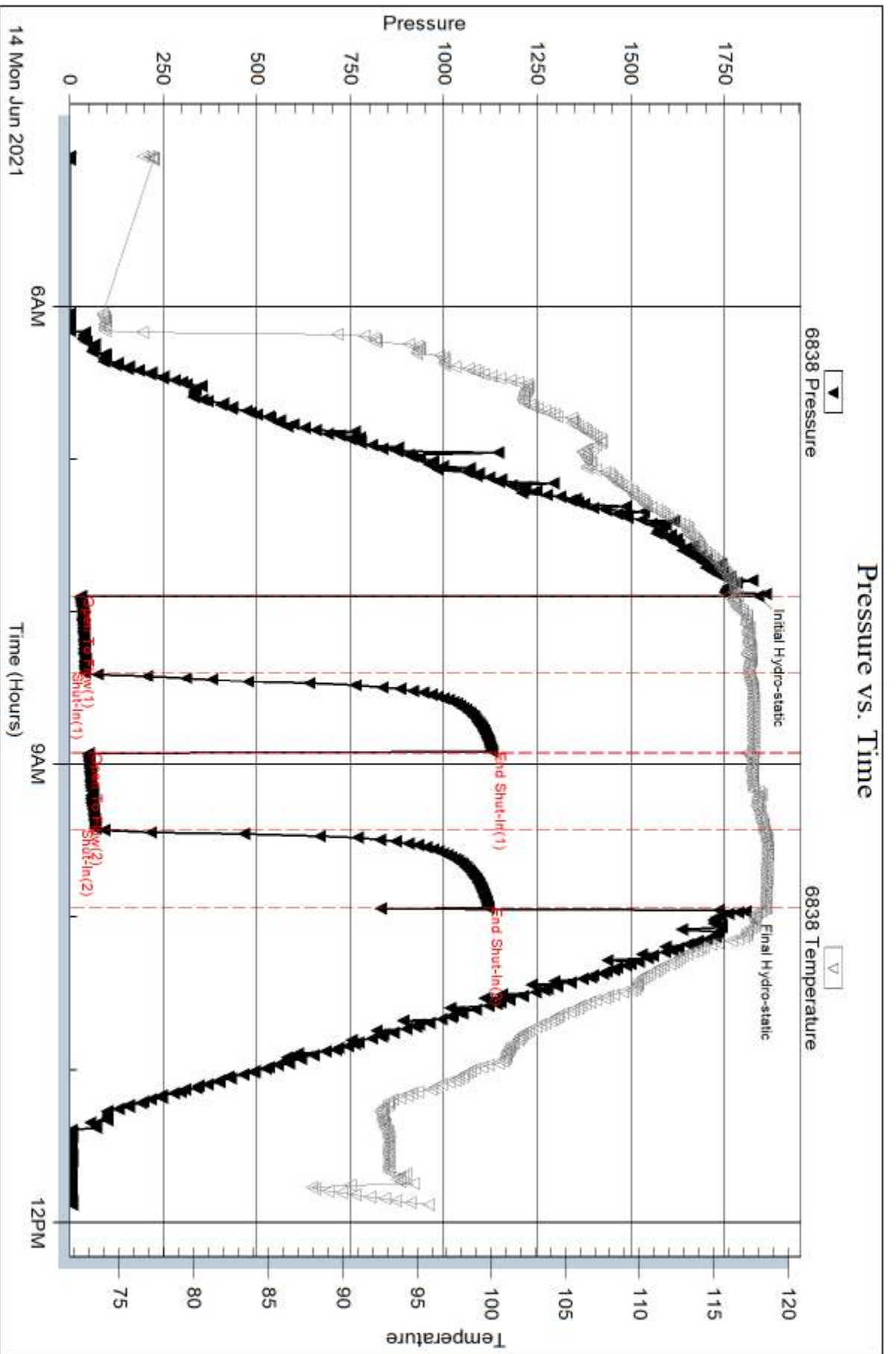
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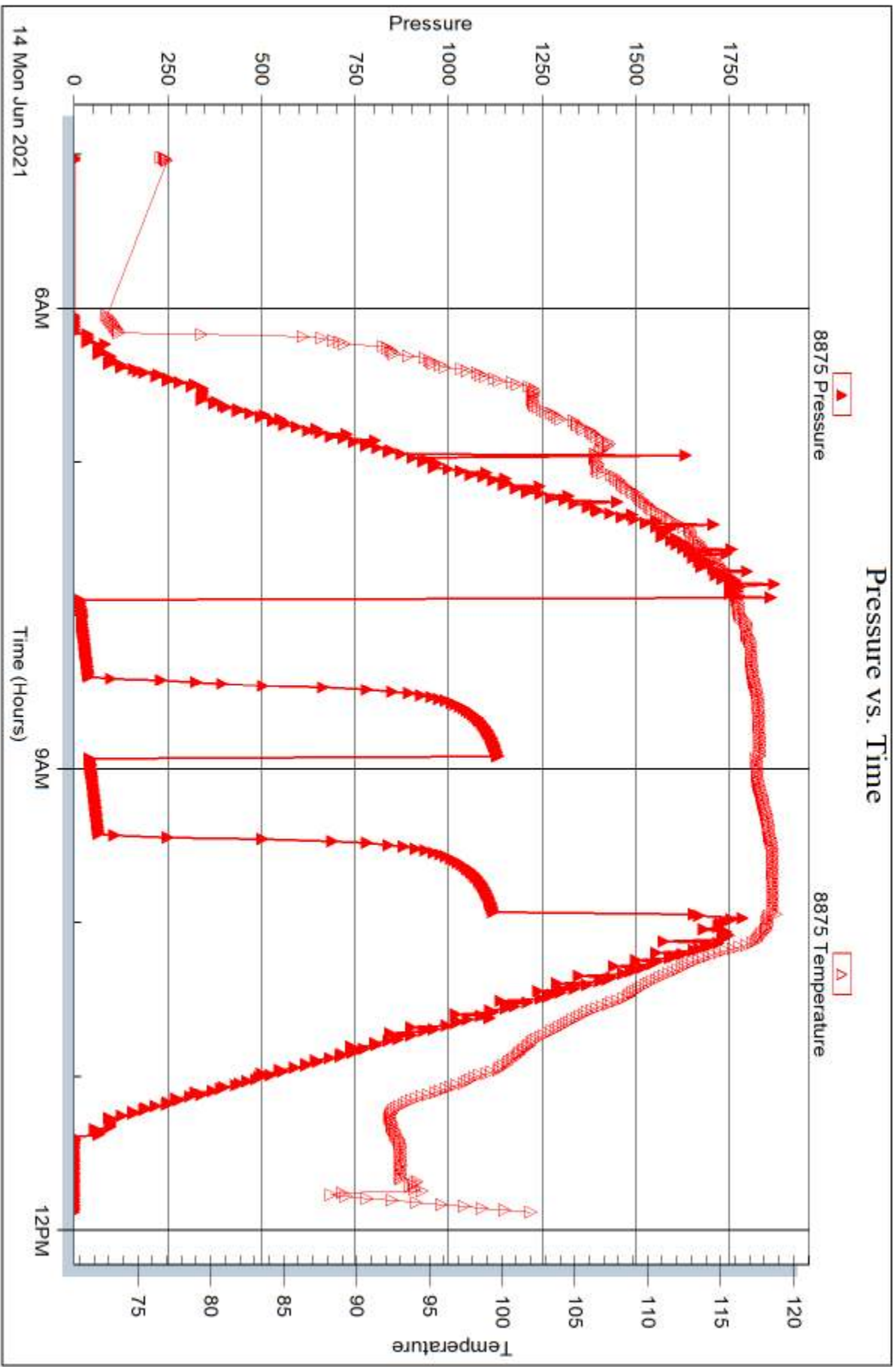
Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

RW=.088@97F







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208+0037

ATTN: Larry Nicholson

Trexler #1-29

29-7s-23w Graham KS

Start Date: 2021.06.14 @ 19:05:00

End Date: 2021.06.15 @ 03:58:42

Job Ticket #: 67358 DST #: 2

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

Printed: 2021.06.17 @ 15:26:27



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC
PO Box 8037
Wichita KS 67208+0037
ATTN: Larry Nicholson

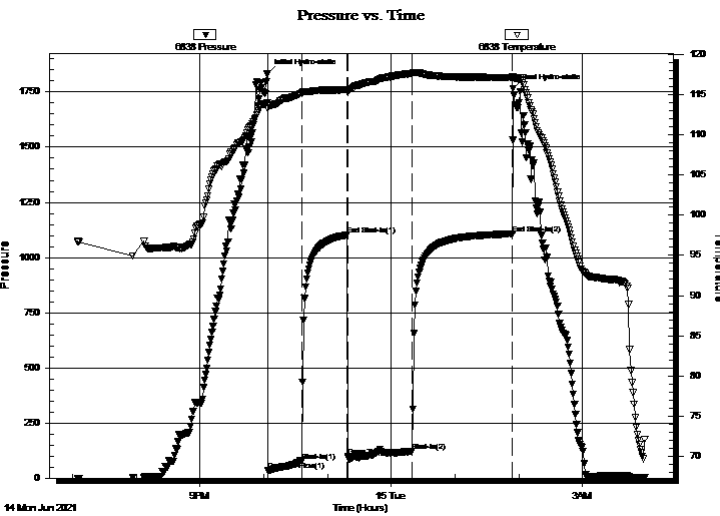
29-7s-23w Graham KS
Trexler #1-29
Job Ticket: 67358 **DST#: 2**
Test Start: 2021.06.14 @ 19:05:00

GENERAL INFORMATION:

Formation: **LKC D - F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:04:02
Time Test Ended: 03:58:42
Interval: **3642.00 ft (KB) To 3681.00 ft (KB) (TVD)**
Total Depth: 3681.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2323.00 ft (KB)
2318.00 ft (CF)
KB to GR/CF: 5.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84

Serial #: 6838 Inside
Press@RunDepth: 122.59 psig @ 3645.00 ft (KB) Capacity: psig
Start Date: 2021.06.14 End Date: 2021.06.15 Last Calib.: 2021.06.15
Start Time: 19:05:01 End Time: 03:58:42 Time On Btm: 2021.06.14 @ 22:03:52
Time Off Btm: 2021.06.15 @ 01:54:57

TEST COMMENT: 30-IF-Surface to 1"
45-ISI-No Return
60-FF-Surface to 1/2"
90-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1834.69	114.02	Initial Hydro-static
1	33.77	113.30	Open To Flow (1)
32	76.80	115.22	Shut-In(1)
75	1102.16	115.63	End Shut-In(1)
76	98.61	115.24	Open To Flow (2)
136	122.59	117.69	Shut-In(2)
231	1107.78	117.22	End Shut-In(2)
232	1765.60	117.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	WM 30%W 70%M	0.61
80.00	OSWM 30%W 70%M	0.59

* 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

29-7s-23w Graham KS

PO Box 8037
Wichita KS 67208+0037

Trexler #1-29

Job Ticket: 67358

DST#: 2

ATTN: Larry Nicholson

Test Start: 2021.06.14 @ 19:05:00

Tool Information

Drill Pipe:	Length: 3438.00 ft	Diameter: 3.82 inches	Volume: 48.74 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume:</u>	Tool Chased	ft
			- bbl	String Weight: Initial	70000.00 lb
Drill Pipe Above KB:	8.00 ft			Final	72000.00 lb
Depth to Top Packer:	3642.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	39.00 ft				
Tool Length:	67.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3615.00	
Change Over Sub	1.00			3616.00	
Shut In Tool	5.00			3621.00	
Hydraulic tool	5.00		Fluid	3626.00	
Gap Sub	4.00			3630.00	
Safety Joint	3.00			3633.00	
Packer	5.00			3638.00	28.00 Bottom Of Top Packer
Packer	4.00			3642.00	
Stubb	1.00			3643.00	
Perforations	1.00			3644.00	
Change Over Sub	1.00			3645.00	
Recorder	0.00	6838	Inside	3645.00	
Recorder	0.00	8875	Outside	3645.00	
Drill Pipe	31.00			3676.00	
Change Over Sub	1.00			3677.00	
Perforations	1.00			3678.00	
Bullnose	3.00			3681.00	39.00 Bottom Packers & Anchor
Total Tool Length:	67.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

29-7s-23w Graham KS

PO Box 8037
Wichita KS 67208+0037

Trexler #1-29

Job Ticket: 67358

DST#: 2

ATTN: Larry Nicholson

Test Start: 2021.06.14 @ 19:05:00

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:

83000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
125.00	WM 30%W 70%M	0.615
80.00	OSWM 30%W 70%M	0.588

Total Length: 205.00 ft Total Volume: 1.203 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

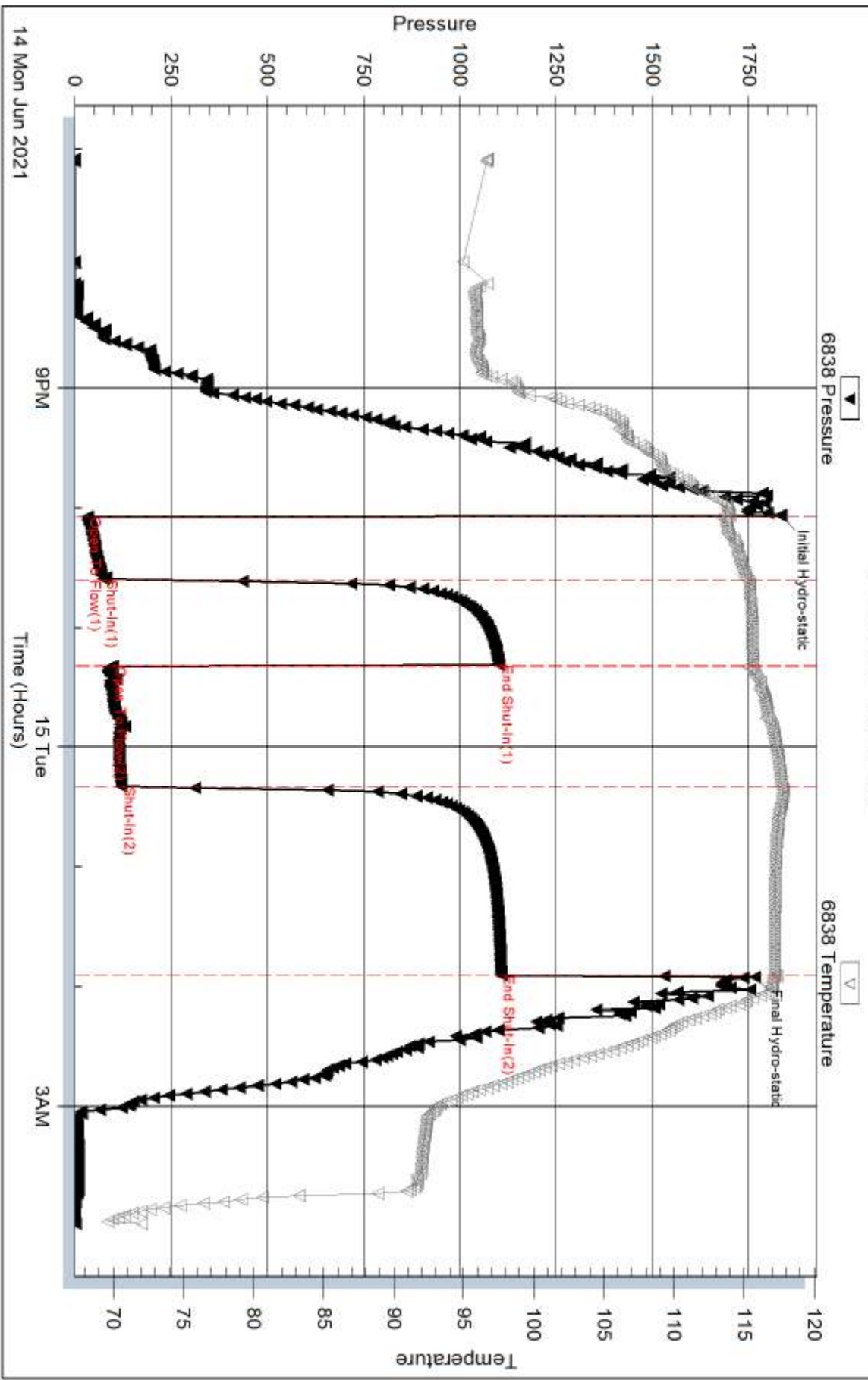
Laboratory Name:

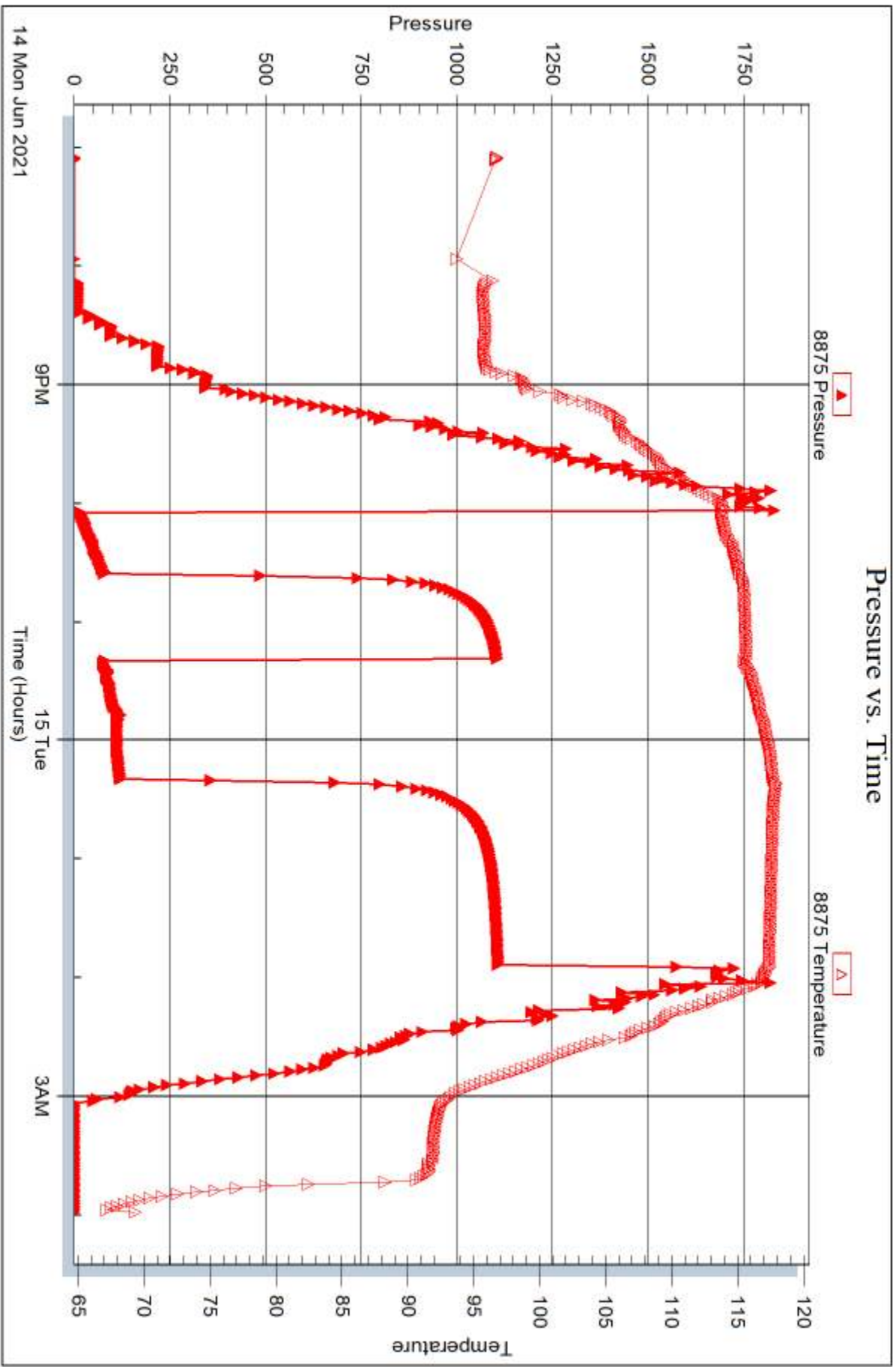
Laboratory Location:

Recovery Comments: 2#LCM

RW=.111@66F

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208+0037

ATTN: Larry Nicholson

Trexler #1-29

29-7s-23w Graham KS

Start Date: 2021.06.15 @ 15:35:00

End Date: 2021.06.15 @ 22:28:07

Job Ticket #: 67359 DST #: 3

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

Printed: 2021.06.17 @ 15:25:51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC
 PO Box 8037
 Wichita KS 67208+0037
 ATTN: Larry Nicholson

29-7s-23w Graham KS
Trexler #1-29
 Job Ticket: 67359 **DST#: 3**
 Test Start: 2021.06.15 @ 15:35:00

GENERAL INFORMATION:

Formation: **LKC H - J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 18:37:27 Tester: Spencer J Staab
 Time Test Ended: 22:28:07 Unit No: 84
 Interval: **3709.00 ft (KB) To 3770.00 ft (KB) (TVD)** Reference Elevations: 2323.00 ft (KB)
 Total Depth: 3770.00 ft (KB) (TVD) 2318.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

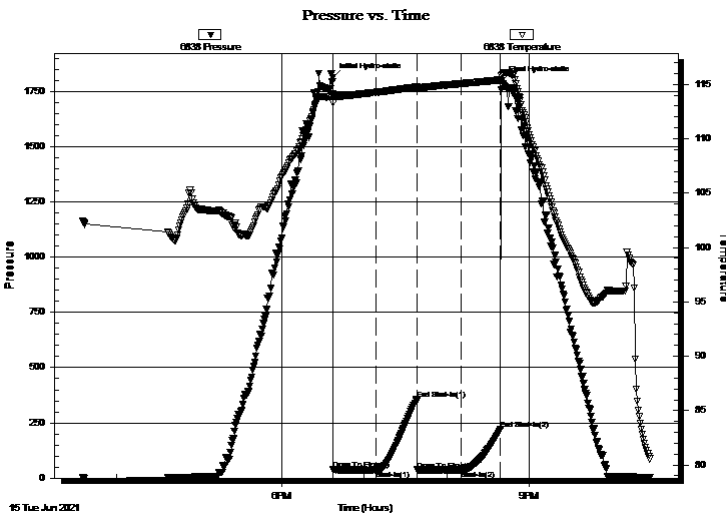
Serial #: 6838

Inside

Press@RunDepth: 36.13 psig @ 3712.00 ft (KB) Capacity: psig
 Start Date: 2021.06.15 End Date: 2021.06.15 Last Calib.: 2021.06.15
 Start Time: 15:35:01 End Time: 22:28:07 Time On Btm: 2021.06.15 @ 18:37:17
 Time Off Btm: 2021.06.15 @ 20:40:12

TEST COMMENT: 30-IF-Tool Slid 3' Blow started @ 1 1/4" Died 25 mins in
 30-ISI-No Return
 30-FF-No Blow
 30-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1813.17	114.14	Initial Hydro-static
1	40.20	113.33	Open To Flow (1)
32	36.52	114.26	Shut-In(1)
61	358.50	114.74	End Shut-In(1)
62	37.91	114.67	Open To Flow (2)
94	36.13	115.05	Shut-In(2)
122	219.71	115.41	End Shut-In(2)
123	1797.55	115.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100%M	0.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC
 PO Box 8037
 Wichita KS 67208+0037
 ATTN: Larry Nicholson

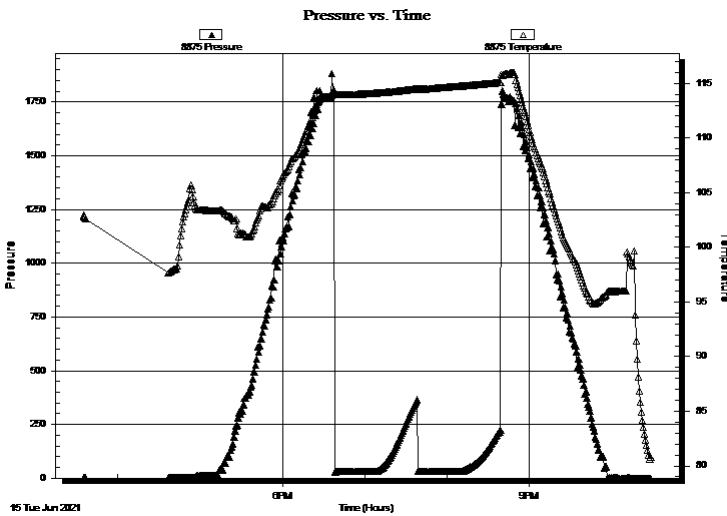
29-7s-23w Graham KS
Trexler #1-29
 Job Ticket: 67359 **DST#: 3**
 Test Start: 2021.06.15 @ 15:35:00

GENERAL INFORMATION:

Formation: **LKC H - J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:37:27
 Time Test Ended: 22:28:07
 Interval: **3709.00 ft (KB) To 3770.00 ft (KB) (TVD)**
 Total Depth: 3770.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2323.00 ft (KB)
 2318.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8875 **Inside**
 Press@RunDepth: psig @ 3712.00 ft (KB) Capacity: psig
 Start Date: 2021.06.15 End Date: 2021.06.15 Last Calib.: 2021.06.15
 Start Time: 15:35:01 End Time: 22:28:47 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-Tool Slid 3' Blow started @ 1 1/4" Died 25 mins in
 30-ISI-No Return
 30-FF-No Blow
 30-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100%M	0.05

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

29-7s-23w Graham KS

PO Box 8037
Wichita KS 67208+0037

Trexler #1-29

Job Ticket: 67359

DST#: 3

ATTN: Larry Nicholson

Test Start: 2021.06.15 @ 15:35:00

Tool Information

Drill Pipe:	Length: 3531.00 ft	Diameter: 3.82 inches	Volume: 50.05 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	88000.00 lb
			<u>Total Volume:</u>	Tool Chased	ft
				String Weight: Initial	72000.00 lb
Drill Pipe Above KB:	34.00 ft			Final	72000.00 lb
Depth to Top Packer:	3709.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	61.00 ft				
Tool Length:	89.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3682.00	
Change Over Sub	1.00			3683.00	
Shut In Tool	5.00			3688.00	
Hydraulic tool	5.00		Fluid	3693.00	
Gap Sub	4.00			3697.00	
Safety Joint	3.00			3700.00	
Packer	5.00			3705.00	28.00 Bottom Of Top Packer
Packer	4.00			3709.00	
Stubb	1.00			3710.00	
Perforations	1.00			3711.00	
Change Over Sub	1.00			3712.00	
Recorder	0.00	6838	Inside	3712.00	
Recorder	0.00	8875	Inside	3712.00	
Drill Pipe	31.00			3743.00	
Change Over Sub	1.00			3744.00	
Perforations	23.00			3767.00	
Bullnose	3.00			3770.00	61.00 Bottom Packers & Anchor
Total Tool Length:	89.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

29-7s-23w Graham KS

PO Box 8037
Wichita KS 67208+0037

Trexler #1-29

Job Ticket: 67359

DST#: 3

ATTN: Larry Nicholson

Test Start: 2021.06.15 @ 15:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 100%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

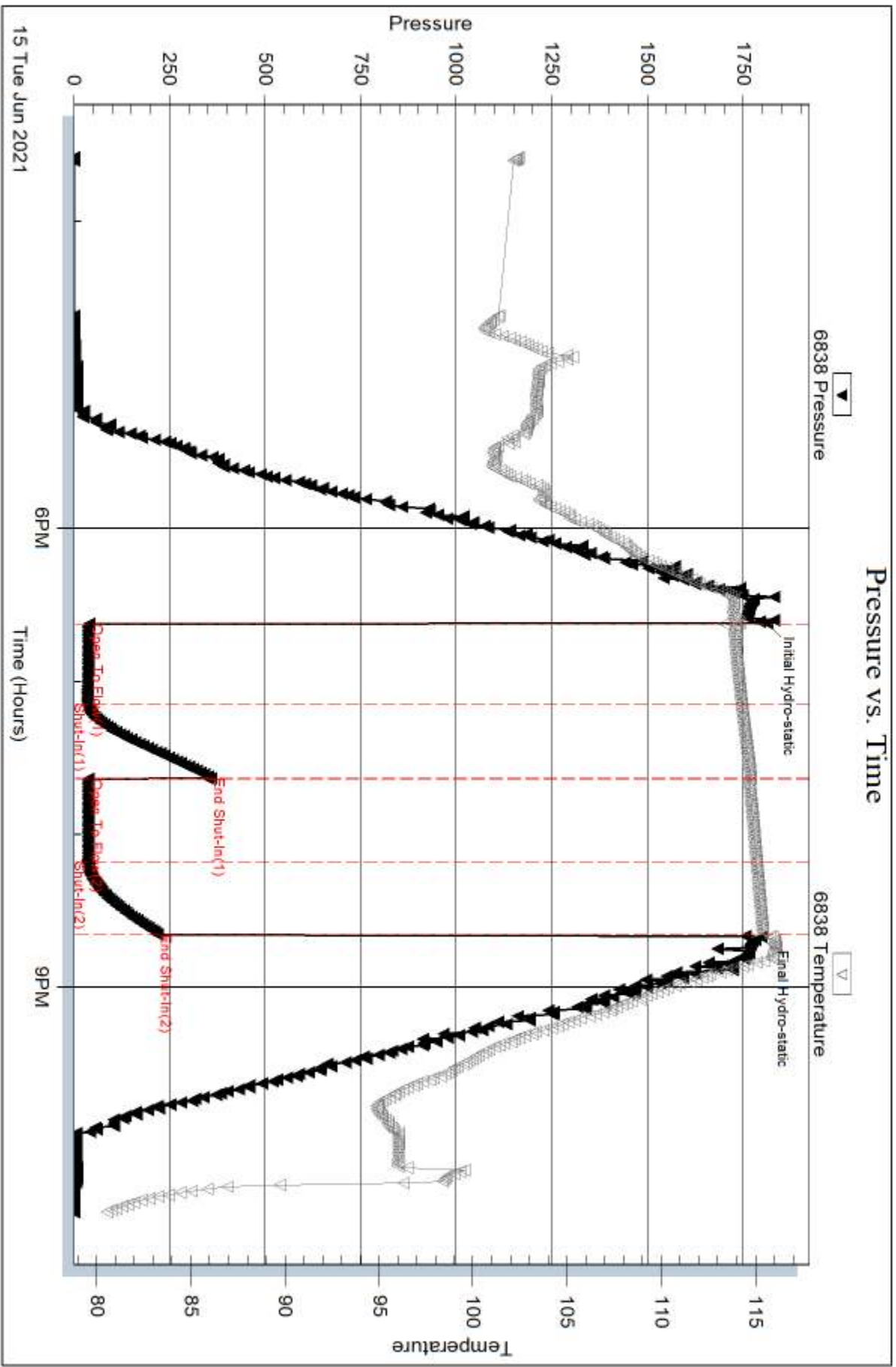
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 1#LCM



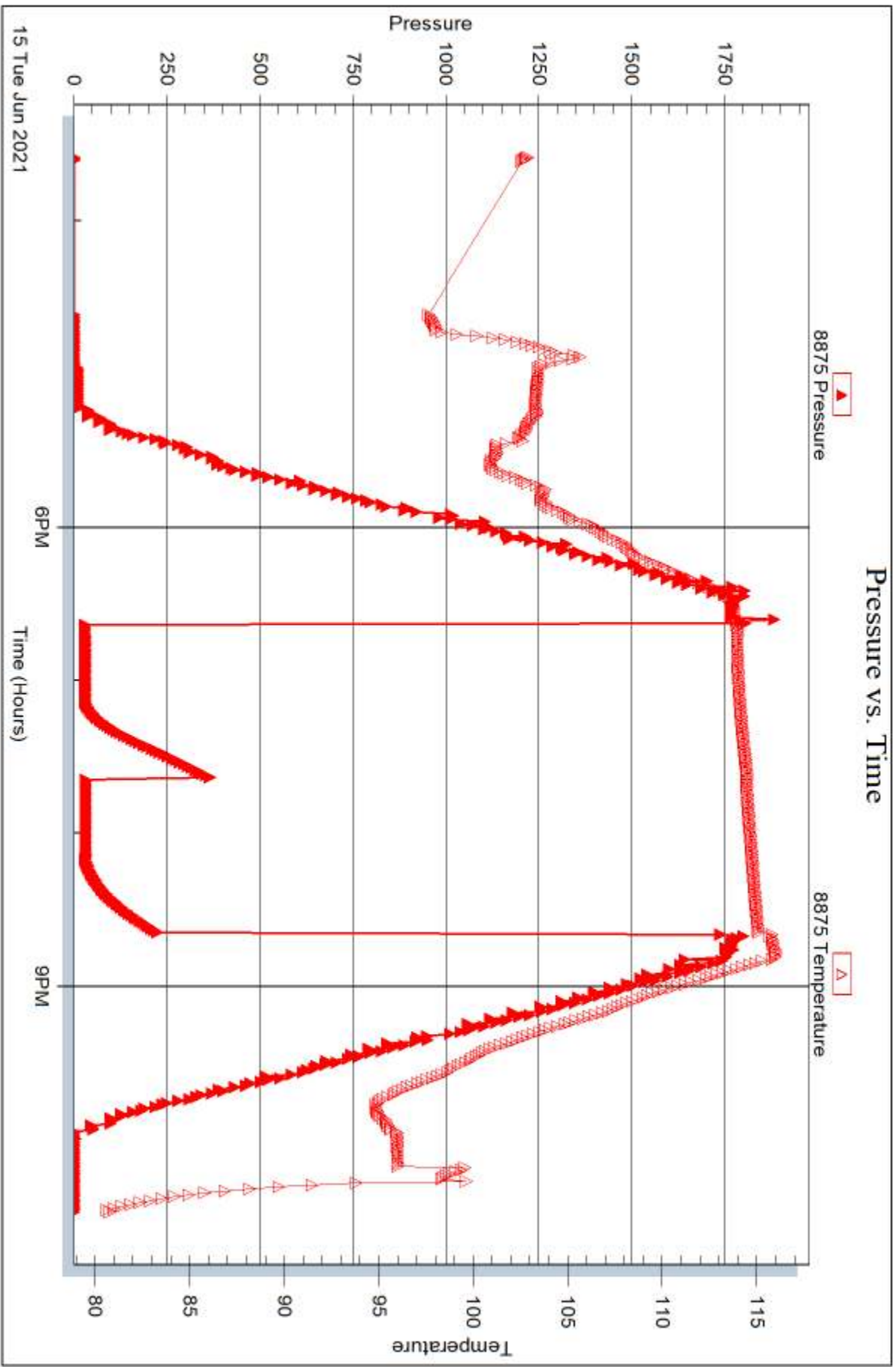
Serial #: 8875

Inside

Cobalt Energy LLC

Trexler #1-29

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 67359

Printed: 2021.06.17 @ 15:25:52



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita KS 67208+0037

ATTN: Larry Nicholson

Trexler #1-29

29-7s-23w Graham KS

Start Date: 2021.06.16 @ 04:41:00

End Date: 2021.06.16 @ 11:18:47

Job Ticket #: 67360 DST #: 4

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

Printed: 2021.06.17 @ 15:22:15



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC
 PO Box 8037
 Wichita KS 67208+0037
 ATTN: Larry Nicholson

29-7s-23w Graham KS
Trexler #1-29
 Job Ticket: 67360 **DST#: 4**
 Test Start: 2021.06.16 @ 04:41:00

GENERAL INFORMATION:

Formation: **LKC K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:08:32
 Time Test Ended: 11:18:47
 Interval: **3768.00 ft (KB) To 3795.00 ft (KB) (TVD)**
 Total Depth: 3795.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer J Staab
 Unit No: 84
 Reference Elevations: 2323.00 ft (KB)
 2318.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6838

Inside

Press@RunDepth: 34.91 psig @ 3769.00 ft (KB) Capacity: psig
 Start Date: 2021.06.16 End Date: 2021.06.16 Last Calib.: 2021.06.16
 Start Time: 04:41:01 End Time: 11:18:47 Time On Btm: 2021.06.16 @ 07:08:27
 Time Off Btm: 2021.06.16 @ 09:25:17

TEST COMMENT: 30-IF-Surface to 1 1/4" Died back to 3/4"
 45-ISI-No Return
 30-FF-Weak Surface Died @ 5 mins
 30-FSI-No Return

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1880.87	113.17	Initial Hydro-static
1	27.48	112.24	Open To Flow (1)
31	30.86	113.47	Shut-In(1)
74	1193.85	114.21	End Shut-In(1)
74	34.29	113.80	Open To Flow (2)
106	34.91	114.86	Shut-In(2)
136	1025.10	115.28	End Shut-In(2)
137	1813.86	115.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100%M tarry oil	0.05

* 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

29-7s-23w Graham KS

PO Box 8037
Wichita KS 67208+0037

Trexler #1-29

Job Ticket: 67360

DST#: 4

ATTN: Larry Nicholson

Test Start: 2021.06.16 @ 04:41:00

Tool Information

Drill Pipe:	Length: 3560.00 ft	Diameter: 3.82 inches	Volume: 50.46 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose:	105000.0 lb
			<u>Total Volume:</u>	Tool Chased	ft
				String Weight: Initial	73000.00 lb
Drill Pipe Above KB:	4.00 ft			Final	73000.00 lb
Depth to Top Packer:	3768.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	27.00 ft				
Tool Length:	55.00 ft				
Number of Packers:	1	Diameter:	6.75 inches		
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3741.00	
Change Over Sub	1.00			3742.00	
Shut In Tool	5.00			3747.00	
Hydraulic tool	5.00		Fluid	3752.00	
Gap Sub	4.00			3756.00	
Safety Joint	3.00			3759.00	
Packer	5.00			3764.00	28.00 Bottom Of Top Packer
Packer	4.00			3768.00	
Stubb	1.00			3769.00	
Recorder	0.00	6838	Inside	3769.00	
Recorder	0.00	8875	Outside	3769.00	
Perforations	23.00			3792.00	
Bullnose	3.00			3795.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

29-7s-23w Graham KS

PO Box 8037
Wichita KS 67208+0037

Trexler #1-29

Job Ticket: 67360

DST#: 4

ATTN: Larry Nicholson

Test Start: 2021.06.16 @ 04:41:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 56.00 sec/qt

Cushion Volume: bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 100%M tarry oil	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

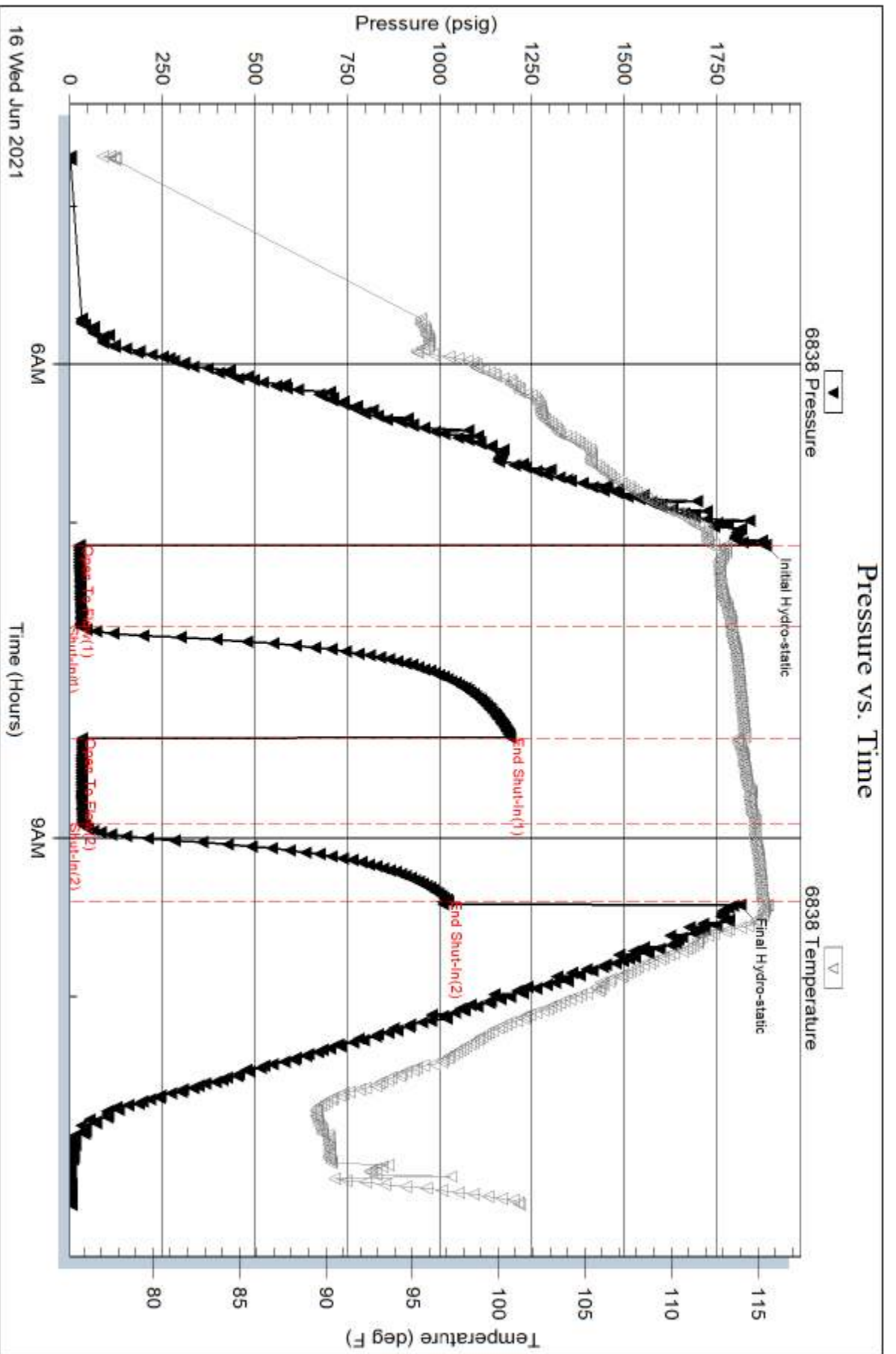
Num Gas Bombs: 0

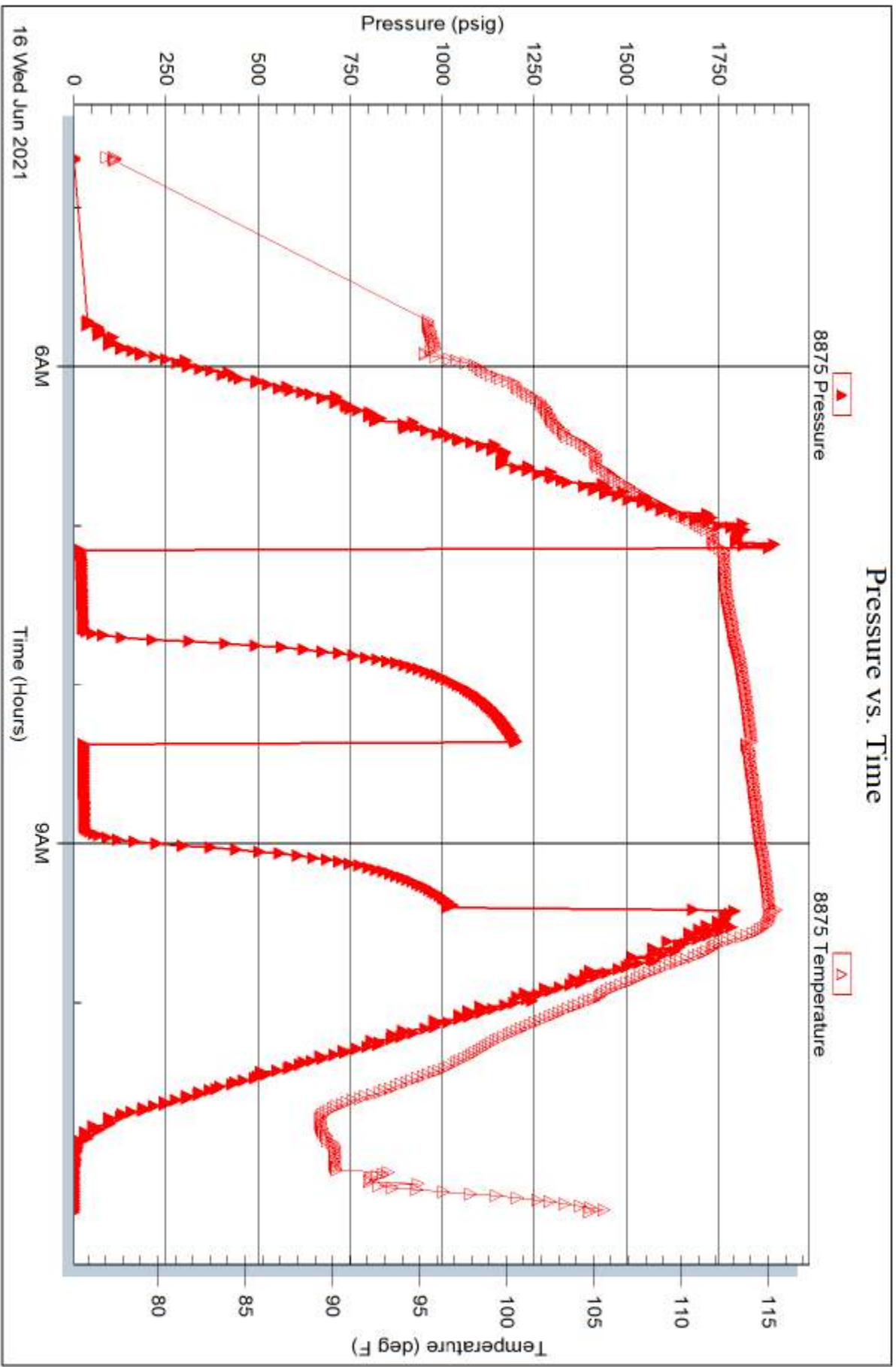
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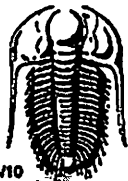
Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67357

Well Name & No. Trepler #1-29 Test No. 1 Date 06/14/2021
 Company Colant Energy LLC Elevation 2323 KB 2318 GL
 Address 115 S. Belmont #12 PO BOX 8037 Wichita Ks 67208
 Co. Rep / Geo. Larry Nicholson Rig Murfin #8 70037
 Location: Sec. 29 Twp 7s Rge. 23w Co. Dodham State Ks

Interval Tested 3621' - 3643' Zone Tested LKC C
 Anchor Length 22' Drill Pipe Run 3436' Mud Wt. 9.0
 Top Packer Depth 3616' Drill Collars Run 184' Vis 54
 Bottom Packer Depth 3621' Wt. Pipe Run - WL 5.8
 Total Depth 3643' Chlorides 4800 ppm System LCM 2#

Blow Description 17- Surface to 3/4"
1st No Return
77- Surface to 1/2"
7st No Return

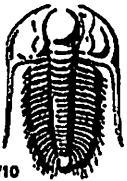
Rec	Feet of	%gas	%oil	%water	%mud
<u>80'</u>	<u>W9M</u>		<u>40</u>	<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 80' BHT 118° Gravity - API RW .088 @ 97° F Chlorides 61000 ppm
 (A) Initial Hydrostatic 1839 Test 1200 T-On Location 04:20
 (B) First Initial Flow 30 Jars _____ T-Started 05:01
 (C) First Final Flow 41 Safety Joint 75 T-Open 07:53
 (D) Initial Shut-In 1129 Circ Sub _____ T-Pulled 09:53
 (E) Second Initial Flow 51 Hourly Standby _____ T-Out 11:51
 (F) Second Final Flow 68 Mileage 13827 172.50 Comments _____
 (G) Final Shut-In 1119 Sampler _____
 (H) Final Hydrostatic 1805 Straddle _____ EM Tool 350
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1447.50 MP/DST Disc't _____
 Sub Total 1797.50

Approved By _____ Our Representative Jasper J. [Signature] Thanks!
 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.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67358

Well Name & No. Fremper # 1-29 Test No. 2 Date 06/14/2021
 Company Cobalt Energy LLC Elevation 2323 KB 2318 GL
 Address 115 S. Belmont, PO BOX 8037 Wichita, KS 67208+0037
 Co. Rep / Geo. Larry Nicholson Rig Murphy #8
 Location: Sec. 29 Twp 7S Rge. 23W Co. Graham State KS

Interval Tested 3642' - 3681' Zone Tested LKC D-7
 Anchor Length 39' Drill Pipe Run 3438' Mud Wt. 9.0
 Top Packer Depth 3637' Drill Collars Run 184' Vis 54
 Bottom Packer Depth 3642' Wt. Pipe Run - WL 5.8
 Total Depth 3681' Chlorides 4800 ppm System LCM 2#

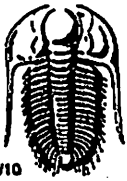
Blow Description 77- Surface to 1"
33- No Return
77- Surface to 1/2"
75- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>125'</u>	<u>WM</u>		<u>30</u>	<u>70</u>	
<u>80'</u>	<u>Oil spotted WM</u>		<u>30</u>	<u>70</u>	

Rec Total 205' BHT 117° Gravity - API RW 111 @ 66 °F Chlorides 83000 ppm
 Test 1200 T-On Location 18:30
 Jars _____ T-Started 19:05
 Safety Joint 75 T-Open 22:01
 Circ Sub _____ T-Pulled 01:45
 Hourly Standby X T-Out 03:56
 Mileage 138rt 172.50 Comments _____
 Sampler _____
 Straddle _____ EM Tool 350 NS
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1447.50
 Sub Total 1447.50 MP/DST Disc't _____

Approved By _____ Our Representative Spencer J. Frank Thanks!
 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.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67359

Well Name & No. Trepler #1-29 Test No. 3 Date 06/15/2021
 Company Colalt Energy LLC Elevation 2323 KB 2318 GL
 Address 115 S. Belmont #12 PO BOX 8037 Wichita, KS 67208
 Co. Rep / Geo. Larry Nickelson Rig Murphy # 8 +0037
 Location: Sec. 29 Twp 7s Rge. 23w Co. Draheim State KS

Interval Tested 3709'-3770' Zone Tested LRC H-J
 Anchor Length 61' Drill Pipe Run _____ Mud Wt. 9.4
 Top Packer Depth 3704' Drill Collars Run 184' Vis 54
 Bottom Packer Depth 3709' Wt. Pipe Run - WL 5.6
 Total Depth 3770' Chlorides 1600 ppm System LCM 1#

Blow Description J7- Tool slid 3ft; Blow started @ 14"; Died 25 min in
JSD- No Return
77- No Blow
78- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>OSM</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10' BHT 115° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

- (A) Initial Hydrostatic 1813
- (B) First Initial Flow 40
- (C) First Final Flow 36
- (D) Initial Shut-In 358
- (E) Second Initial Flow 37
- (F) Second Final Flow 36
- (G) Final Shut-In 219
- (H) Final Hydrostatic 1797

- Test 1200
- Jars _____
- Safety Joint 75
- Circ Sub _____
- Hourly Standby _____
- Mileage 138rt 172.50
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____

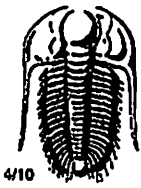
T-On Location 15:10
 T-Started 15:35
 T-Open 18:36
 T-Pulled 20:36
 T-Out 22:27

Comments _____
 EM Tool 350
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 350
 Total 1797.50

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

Sub Total 1447.50 MP/DST Dist't _____

Approved By _____ Our Representative Spencer [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.
785-259-0057



TRIOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67360

Name & No. Treater # 1-29 Test No. 4 Date 06/16/2021
 Company Colwell Energy LLC Elevation 2323 KB 2318 GL
 Address 115 S Belmont #12 PO BOX 8037 Wichita KS 67208-0037
 Co. Rep / Geo. Larry Nicholson Rig Murphy #8
 Location: Sec. 29 Twp 7S Rge. 23W Co. Indian State KS

Interval Tested 3768-3795' Zone Tested LAC K
 Anchor Length 27' Drill Pipe Run 3560' Mud Wt. 9.2
 Top Packer Depth 3763' Drill Collars Run 184 Vis 56
 Bottom Packer Depth 3768' Wt. Pipe Run - WL 6.0
 Total Depth 3795' Chlorides 1700 ppm System LCM 2H

Blow Description 77- Surface to 1 1/4"; Died back to 3/4"
78- No Return
79- Weak Surface; Died @ 5 min
75- No Return

Rec	Feet of	%gas	%oil	%water	%mud
10'	OSM carry oil			100%	

Rec Total 10' BHT 115° Gravity - API RW - @ - °F Chlorides - ppm

- (A) Initial Hydrostatic 1880
- (B) First Initial Flow 27
- (C) First Final Flow 30
- (D) Initial Shut-In 1193
- (E) Second Initial Flow 34
- (F) Second Final Flow 34
- (G) Final Shut-In 1025
- (H) Final Hydrostatic 1813

- Test 1200
- Jars
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 138rt 172.50
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1447.50

- T-On Location 04:25
- T-Started 04:41
- T-Open 07:05
- T-Pulled 09:20
- T-Out 11:16

- Comments
- EM Tool 350
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 350
- Total 1797.50
- MP/DST Disc't

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 30

Approved By _____ Our Representative Spencer J. Staud

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785-259-0056

GEOLOGICAL REPORT FINAL

Larry A. Nicholson

NAD 83
39.41639987
-99.91442019

COMPANY & WELL: **Cobalt Energy, LLC Trexler #1-29**

LOCATION: **2136' FNL 1549' FWL NW SW SE NW**

SEC: **29** TWP: **7S** RGE: **23W**

COUNTY: **Graham** STATE: **Ks**

COMPANY **Cobalt Energy, LLC**

API # **15-065-24192** FIELD **NA**

LEASE **Trexler** WELL # **#1-29**

LOCATION **NW SW SE NW**

SURVEY **2136' FNL 1549' FWL**

SECTION **29** TWP **7S** RGE **23W**

COUNTY **Graham** STATE **Kansas**

CONTRACTOR **Murfin Jason Galli** Rig # **8**

SPUD **06-10-21 11:00 am** COMP

RTD **3950** LTD **3946**

MUD UP AT **3113'-3127'**

MUD TYPE **Chemical-Mud-Co Gary**

ELEVATIONS

K.B. **2323**

D.F.

G.L. **2318**

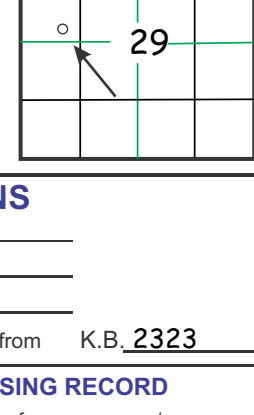
All measurements from K.B. **2323**

CASING RECORD

Conductor **221** of **8 5/8** in **165** sxs

Surface **221** of **8 5/8** in **165** sxs

Production of in sxs



ELECTRICAL SURVEYS **Dual, Den, Neu, Micro**

FORMATION				ELEC LOG TOPS				REFERENCE WELL	
FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELEC LOG TOPS	SUBSEA DATUM	A	B			
Anhydrite	1989	+334	1986	+337					
Base Anhy	2022	+301	2018	+305					
Heebner	3559	-1236	3554	-1231					
Lansing	3600	-1277	3595	-1272					
C	3629	-1306	3624	-1301					
Muncie Ck	3710	-1387	3705	-1382					
H	3726	-1403	3721	-1398					
J	3762	-1439	3757	-1434					
STARK	3770	-1447	3765	-1442					
K	3778	-1455	3773	-1450					
BKC	3797	-1474	3792	-1469					
RTD	3850	-1527	3850	-1527					
LTD	3846	-1523	3846	-1523					

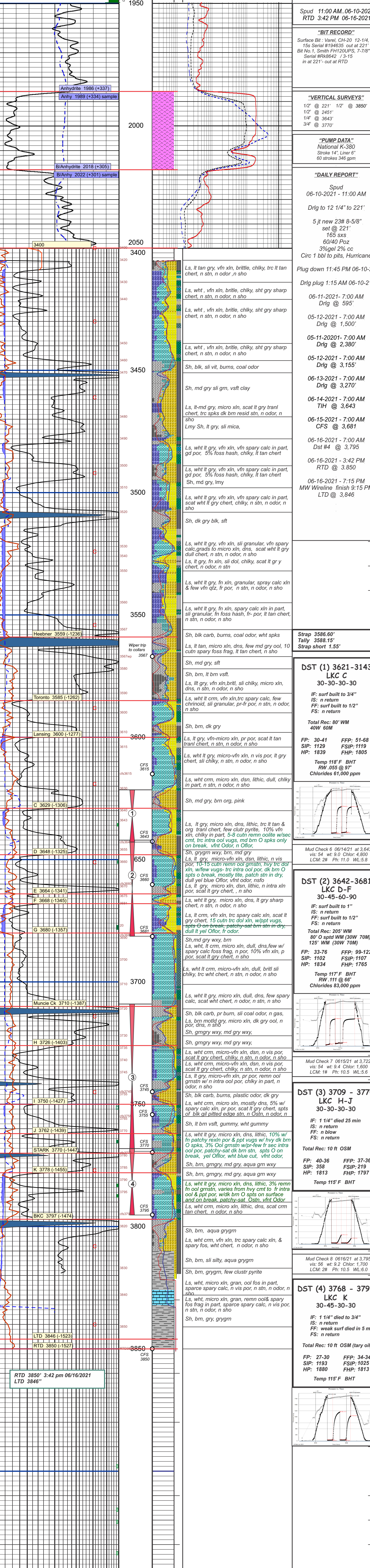
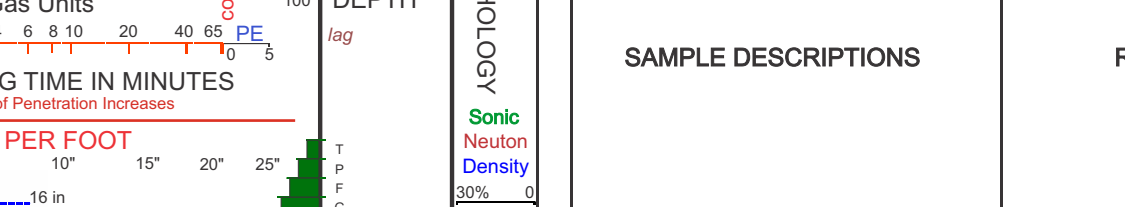
REFERENCE WELLS: A: _____ B: _____

LAN 7/92, Modified 5/05, 11/11, 4/12, 4/18 1inch = 25.4mm 8.5 x 9.7.5 In Memory Tim Lauer 5/05/21 last well

DRILLSTEM TEST SUMMARY :

<p>Dst #1 3621-3643 (LKC C) 30 30 30 30 IF:30-41 FF:51-68 SI:1129-1119 Rec 80' WM (40W 90M) IF built to 3/4", nr FF built to 1/2", nr BHT 118, RW 088 @ 97</p> <p>Dst #2 3642-3681 (LKC D-F) 30 45 60 90 IF:33-76 FF:98-122 SI:1102-1107 Rec 205' WM sps@O (30W 70M) IF built to 1", nr FF built to 1/2", nr BHT 117 RW 111 @ 65</p> <p>Dst #3 3705-3770 (LKC H-J) 30 30 30 30 IF:40-36 FF:37-36 SI:358-219 Rec 10' OSM IF 1 1/4" died 25 min, nr FF n blow, nr BHT 115</p> <p>Dst #4 3768-3795 (LKC K) 30 45 30 30 IF:27-30 FF:34-34 SI:1193-1025 Rec 10' OSM tary oil IF 1 1/4" died to 3/4", nr FF weak surf died 5 min, nr BHT 115</p> <p>Dst #1 3616-3638 (LKC C) Dst #2 3637-3676 (LKC D-F) Dst #3 3704-3765 (LKC H-J) Dst #4 3763-3790 (LKC K)</p> <p style="text-align: right;">Dst corrected to E-Log Depth (5ft)</p>	<p style="text-align: center;">REMARKS & RECOMMENDATIONS:</p> <p><i>The well was structurally high. The formations lack loss hash/fragments and porosity. There were shows in most pay zones. The well was P&A</i></p> <p><i>** Rig ROP is 5 ft deep to elog. The Elog curves on GeoReport were moved down 5 feet to match the ROP</i></p>
--	--

LEGEND



COMPANY **Cobalt Energy, LLC**

LEASE **Trexler #1-29 NW SW SE NW**

LOCATION **2136' FNL 1549' FWL** SEC. **29** TWP **7S** RGE **23W**

COUNTY **Graham** STATE **Ks**

ELEVATIONS

K.B. **2323**

D.F.

G.L. **2318**

All measurements from K.B. **2323**

