

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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GEOLOGICAL REPORT

Larry A. Nicholson

NAD 83
39.183822825
-99.755814397

COMPANY & WELL **Cobalt Energy Herman Farms #1-15**

LOCATION **2343 FNL 409 FEL NW SE SE NE**

SEC **15** TWP **10S** RGE **22W**

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

COMPANY **Cobalt Energy**

API # **15-065-24273** FIELD **Fault Northeast**

LEASE **Herman Farms #1-15** WELL # **#1-15**

LOCATION **NW SE SE NE**

SURVEY **2343 FNL 409 FEL**

SECTION **15** TWP **10S** RGE **22W**

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

CONTRACTOR **Murfin Drilling** Rig # **16**

SPUD **10:30 am 08-17-23** COMP **2282**

RTD **3825 12:18 pm 8-24-23** LTD **3824**

MUD UP AT **2956**

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

ELEVATIONS

K.B. **2282**

D.F. **2277**

G.L. **2277**

All measurements from K.B. **2282**

CASING RECORD

Conductor _____ of _____ in _____ ft

Surface **237** of **8.5/8"** in **160** ft

Production _____ of _____ in _____ ft

ELECTRICAL SURVEYS Western Neu Den Dual Micro

FORMATION		SAMPLE TOPS	SUBSEA DATUM	ELECG LOG TOPS	SUBSEA DATUM	REFERENCE WELL	
						A	B
Anhydrite				1774	+508		
Topeka				3270	-988		
Heebner				3490	-1208		
Toronto				3512	-1230		
Lansing				3527	-1245		
Lansing G				3626	-1344		
Lansing J				3704	-1422		
Stark				3716	-1434		
Lansing K				3722	-1440		
Hushpuckney				3736	-1454		
BKC				3760	-1478		
RTD				3825	-1543		
LTD				3824	-1542		

REFERENCE WELLS: A: _____ B: _____

LAN 7/92, Modified 5/05, 11/11, 4/12, 4/18 8.5 x 97.5 mem TL 5/05/21 last well

DRILLSTEM TEST SUMMARY :

REMARKS & RECOMMENDATIONS:

Dat #1 3553-3578 (LKC C) 15 30 30 60 IF-39-128 FF-134-264 SI-732-733
Rec Total Fluid 510' 90' GIP 30' GO (5G 95D) 60' MW (60W 50M) 420' W (100W)
IF BOB 6.5 min - 27.5 in, 1' 3" bleed to 2.75' FF BOB 7.5 min - 47.75 in, r 2"
BHT 115F, Gray 42, RW 117 @ 80, CL 59,000

Dat #2 3597-3622 (LKC F) 30 40 45 60 IF-25-60 FF-73-112 SI-619-613
Rec Total Fluid 230' 650' GIP 50' GO (40G 60G) 60' GMCO (30G 60G 5M)
90' MCW (30G 40G 30M) 30' MCW (55W 15M) IF BOB 13.5 min 27.5 in, r 1.75"
FF BOB 10 min 47.5 - r 5"

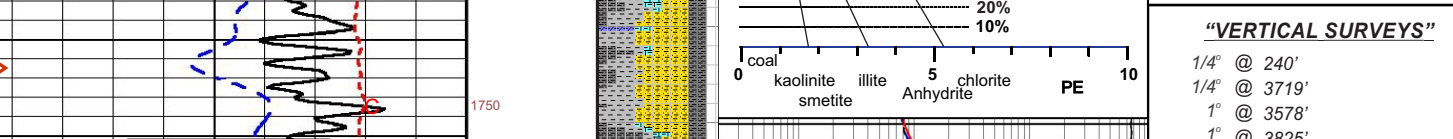
Dat #3 3654-3718 (LKC H-J) 30 30 30 30 IF-22-23 FF-23-25 SI-76-77
Rec Total Fluid 2' VSOCM (20 98M) IF surf to 3/4, nr, FF no blow, nr
BHT 107F

Dat #4 3716-3740 (LKC K) 30 45 45 60 IF-23-37 FF-38-50 SI-911-876
Rec Total Fluid 75' 1' CO (1000) 14' SOCM (50 95M) 60' HWCW (30W 70M)
BHT 112F RW 171 @ 80F CL 36,000ppm

LEGEND

Dolomite	Limestone	Shale	Carbonaceous Shale	Sandstone	Chert	Anhydrite

GAMMA RAY / SP



DEPTH

DEPTH (ft) from 1750 to 3850. Lithology column on the right shows alternating layers of limestone, shale, and dolomite.

SAMPLE DESCRIPTIONS

3200 Start
Mud Up 2956'
Vis 52 wt 8.8 2.0#
3250
Vis 52 wt 8.9 3.0#
3300
Vis 51 wt 8.9 2.0#
3350
Vis 51 wt 8.9 2.0#
3400
Vis 52 wt 8.9 2.0#
3450
Vis 52 wt 8.9 2.0#
3500
Vis 51 wt 8.0 2.0#
3550
Vis 51 wt 8.9 2.0#
3600
Vis 52 wt 8.9 2.0#
3650
Vis 50 wt 9.2 2.0#
3700
Vis 52 wt 8.9 2.0#
3750
Vis 50 wt 9.3 2.0#
3800
Vis 57 wt 9.3 1cm 2#

REMARKS

Spud 10:30 AM 08-17-2023
RTD 12:18 PM 08-24-2023

"BIT RECORD"
Surface Bit : Smith 12-1/4,
Serial #RP9780, cut at 240'
Bit No.1, Smith FH020 7-7/8"
Serial #RP4714
In 240' out at 3582'
Bit No.2, Smith FH020 7-7/8"
Serial #RP4398
In 3582' out at RTD

"VERTICAL SURVEYS"
1/4" @ 240'
1/4" @ 3719'
1" @ 3578'
1" @ 3825'

"PUMP DATA"
National K-380
Stroke 14", Liner 6"
60 strokes 349 gpm

"DAILY REPORT"
Spud
08-17-2023 - 10:30 AM
Drig to 12 1/4" to 240'
Set mixed# 8.5/8" 6 jts
set @ 237'
160 sxw 80/20
2% gel 3% cc
circ 5 bbis Franks
Plug down 4:45 PM 08-17-23
Drig plug 1:45 PM 08-18-23
08-18-2023- 7:00 AM
Drig @ 525'
08-19-2023 - 7:00 AM
Drig @ 1,950'
08-20-2023 - 7:00 AM
Drig @ 2,850'
08-21-2023 - 7:00 AM
CFS wiper @ 3,496'
08-22-2023 - 7:00 AM
CFS @ 3,595'
08-23-2023 - 7:00 AM
CFS @ 3,718'
08-24-2023 - 7:00 AM
TIH @ 3,740'
08-24-2023 - 12:18 PM
RTD @ 3,825'
5 stand wiper
Circ 1 hr
08-24-2023 - 3:15 PM
Rig up MidWest
Finish 5:30 PM
LTD @ 3,824'
Prepare to Run Csg

Mud Check 6 08/21/23 at 3,496'
vis: 54 wt: 9.2 Chlor: 3,000
LCM: 2# Ph: 11.0 WL: 6.0

Pipe Strap 3528.41
Board 3528.37
Strap long 0.14'

DST (1) 3553-3578
LKC C
15 30 45 60
IF: BOB 6.5 min, built 27.5"
IS: built to 3'
FF: BOB 7.5 min, built 48"
FS: surf to 2", died 33 min
Total Rec: 510 ft 90' ft GIP
30' CO (1000)
60' MW (50W 50M)
420' W (100W)
FF: 39-128 FFP: 134-264
SIP: 732 FSP: 733
HP: 1745 FHP: 1732
BHT 115F Grav 42' @ 80F
RW 177 @ 80F, CL 59,000 ppm

Mud Check 7 08/22/23 at 3,622'
vis: 54 wt: 9.2 Chlor: 3,000
LCM: 2# Ph: 10.5 WL: 7.2

DST (2) 3597-3622
LKC F
30 40 45 60
IF: BOB 13.5 min, 27.5"
IS: surf to 1.75'
FF: BOB 10 min, 47 1/2"
FS: surf to 5"
Total Rec: 230 ft 650' ft GIP
30' MCW (85W 15M)
90' GMCO (30G 60G 30M)
60' GMCO (30G 60G 5M)
50' GO (40G 60G)
FF: 25-60 FFP: 73-112
SIP: 619 FSP: 613
HP: 1798 FHP: 1721
BHT 112F Grav 28'
RW 124 @ 36' CL 43,000 ppm

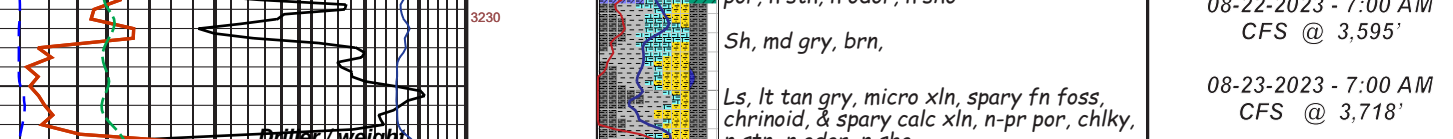
Mud Check 8 08/23/23 at 3,718'
vis: 53 wt: 9.2 Chlor: 3,500
LCM: 2# Ph: 11.0 WL: 7.2

DST (3) 3654-3718
LKC H-J
30 30 30 30
IF: surf to 34"
IS: return
FF: n blow
FS: n return
Total Rec: 2 ft
2' VSOCM (20 98M)
FF: 22-23 FFP: 23-25
SIP: 76 FSP: 27
HP: 1843 FHP: 1695
Temp 109F BHT
Grav 28'

Mud Check 9 08/24/23 at 3,749'
vis: 53 wt: 9.2 Chlor: 4,000
LCM: 2# Ph: 11.0 WL: 7.8

DST (4) 3716-3740
LKC K
30 45 45 60
IF: surf to 2.34"
IS: n return
FF: surf to 3.5"
FS: n return
Total Rec: 75 ft
1' CO (1000)
14' SOCM (50 95M)
60' HWCW (30W 70M)
FF: 23-37 FFP: 38-50
SIP: 911 FSP: 876
HP: 1696 FHP: 1650
Temp 112F BHT
RW 171 @ 80F
CL 36,000 ppm

GAMMA RAY / SP



DEPTH

DEPTH (ft) from 3850 to 4100. Lithology column on the right shows alternating layers of limestone, shale, and dolomite.

SAMPLE DESCRIPTIONS

3850
3900
3950
4000
4050
4100

REMARKS

RTD 3825 12:18 pm 08/24/2023
LTD 3824 (-1542)
RTD 3825 (-1543)

ELEVATIONS

K.B. **2282**

D.F. **2277**

G.L. **2277**

All measurements from K.B. **2282**

COMPANY **Cobalt Energy**

LEASE **Herman Farms #1-15 NW SE SE NE**

LOCATION **2343 FNL 409 FEL** SEC. **15** TWP **10S** RGE **22W**

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

ELEVATIONS

K.B. **2282**

D.F. **2277**

G.L. **2277**

All measurements from K.B. **2282**



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

125 N Market ST STE 1725
Wichita KS 67206

ATTN: Larry Nicholson

Herman Farms #1-15

15-10s-22w Graham KS

Start Date: 2023.08.21 @ 20:16:00

End Date: 2023.08.22 @ 02:59:07

Job Ticket #: 71131 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.08.24 @ 17:09:59



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC
125 N Market ST STE 1725
Wichita KS 67206
ATTN: Larry Nicholson

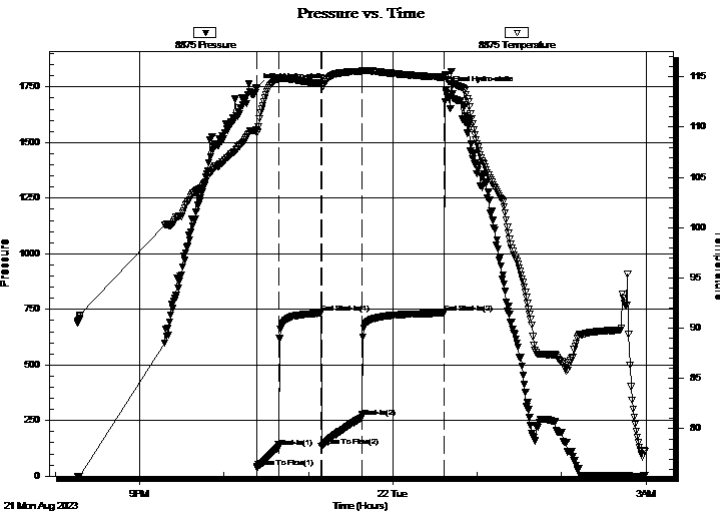
15-10s-22w Graham KS
Herman Farms #1-15
Job Ticket: 71131 **DST#: 1**
Test Start: 2023.08.21 @ 20:16:00

GENERAL INFORMATION:

Formation: **LKC C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:23:32
Time Test Ended: 02:59:07
Interval: **3553.00 ft (KB) To 3578.00 ft (KB) (TVD)**
Total Depth: 3578.00 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: 2282.00 ft (KB)
2277.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8875 Outside
Press@RunDepth: 264.24 psig @ 3554.00 ft (KB) Capacity: psig
Start Date: 2023.08.21 End Date: 2023.08.22 Last Calib.: 2023.08.22
Start Time: 20:16:01 End Time: 02:59:07 Time On Btm: 2023.08.21 @ 22:23:17
Time Off Btm: 2023.08.22 @ 00:37:52

TEST COMMENT: 15-IF-BOB 6.5 mins Built to 27.5"
30-ISI-3 mins to bleed off Surface to 3" Died back to 2.75"
30-FF-BOB 7.5 mins Built to 47.75"
60-FSI-4 mins to bleed off Surface to 2" Died @ 33 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1745.56	109.73	Initial Hydro-static
1	39.88	109.47	Open To Flow (1)
16	128.67	114.85	Shut-In(1)
46	732.65	114.29	End Shut-In(1)
46	134.88	114.17	Open To Flow (2)
75	264.24	115.57	Shut-In(2)
134	733.39	114.97	End Shut-In(2)
135	1732.13	115.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
420.00	Water 100%W	5.68
60.00	MW 50%M 50%W	0.85
30.00	GO 5%G 95%O 42 Gravity	0.43
0.00	90 GIP 100%G	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

15-10s-22w Graham KS

125 N Market ST STE 1725
Wichita KS 67206

Herman Farms #1-15

Job Ticket: 71131

DST#: 1

ATTN: Larry Nicholson

Test Start: 2023.08.21 @ 20:16:00

Tool Information

Drill Pipe:	Length: 3521.00 ft	Diameter: 3.82 inches	Volume: 49.91 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	68000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	48000.00 daN
Depth to Top Packer:	3553.00 ft			Final	49000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	57.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3522.00	
Shut In Tool	5.00			3527.00	
Hydraulic tool	5.00			3532.00	
Jars	5.00			3537.00	
Gap Sub	4.00			3541.00	
Safety Joint	3.00			3544.00	
Packer	5.00			3549.00	32.00 Bottom Of Top Packer
Packer	4.00			3553.00	
Stubb	1.00			3554.00	
Recorder	0.00	6838	Inside	3554.00	
Recorder	0.00	8875	Outside	3554.00	
Perforations	21.00			3575.00	
Bullnose	3.00			3578.00	25.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

15-10s-22w Graham KS

125 N Market ST STE 1725
Wichita KS 67206

Herman Farms #1-15

Job Ticket: 71131

DST#: 1

ATTN: Larry Nicholson

Test Start: 2023.08.21 @ 20:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

42 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

59000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
420.00	Water 100%W	5.676
60.00	MW 50%M 50%W	0.851
30.00	GO 5%G 95%O 42 Gravity	0.425
0.00	90 GIP 100%G	0.000

Total Length: 510.00 ft

Total Volume: 6.952 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

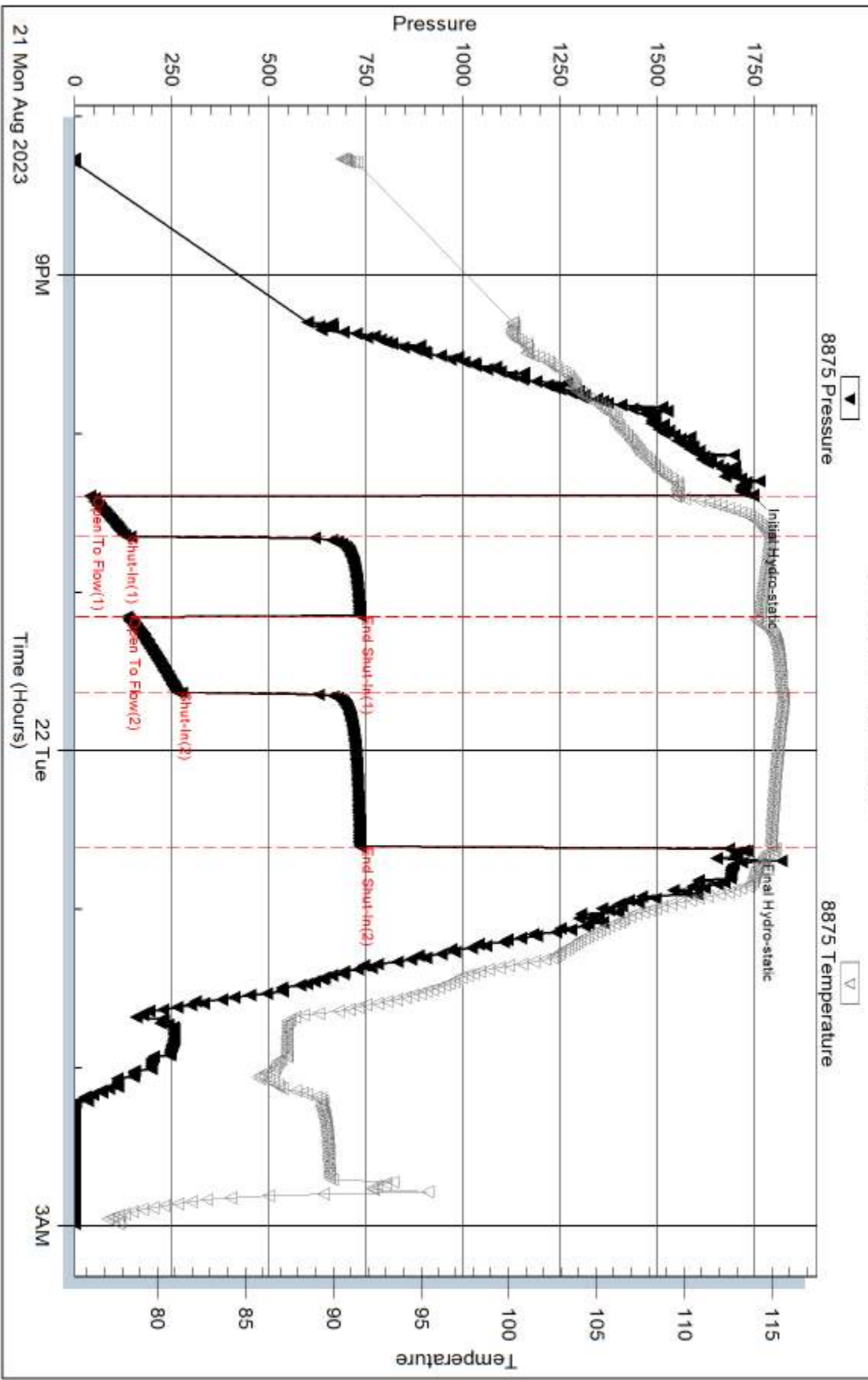
Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

RW=.117@80F

Pressure vs. Time



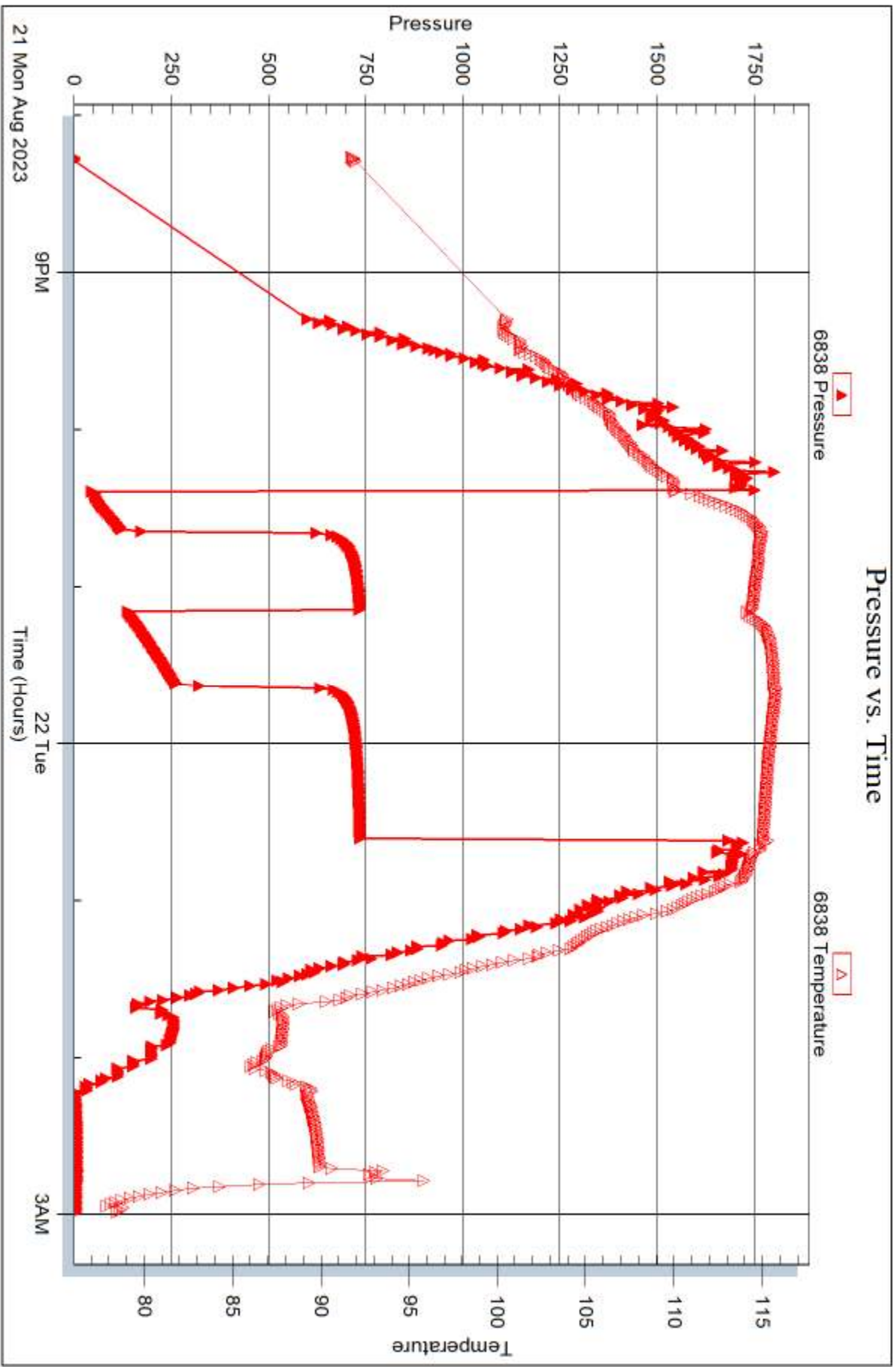
Serial #: 6838

Inside

Cobalt Energy LLC

Herman Farms #1-15

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 71131

Printed: 2023.08.24 @ 17:10:00



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

125 N Market ST STE 1725
Wichita KS 67206

ATTN: Larry Nicholson

Herman Farms #1-15

15-10s-22w Graham KS

Start Date: 2023.08.22 @ 13:27:00

End Date: 2023.08.22 @ 20:24:47

Job Ticket #: 71132 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.08.24 @ 17:09:35



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC
 125 N Market ST STE 1725
 Wichita KS 67206
 ATTN: Larry Nicholson

15-10s-22w Graham KS
Herman Farms #1-15
 Job Ticket: 71132 **DST#: 2**
 Test Start: 2023.08.22 @ 13:27:00

GENERAL INFORMATION:

Formation: **LKC F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:17:57
 Time Test Ended: 20:24:47
 Interval: **3597.00 ft (KB) To 3622.00 ft (KB) (TVD)**
 Total Depth: 3622.00 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: 2282.00 ft (KB)
 2277.00 ft (CF)
 KB to GR/CF: 5.00 ft

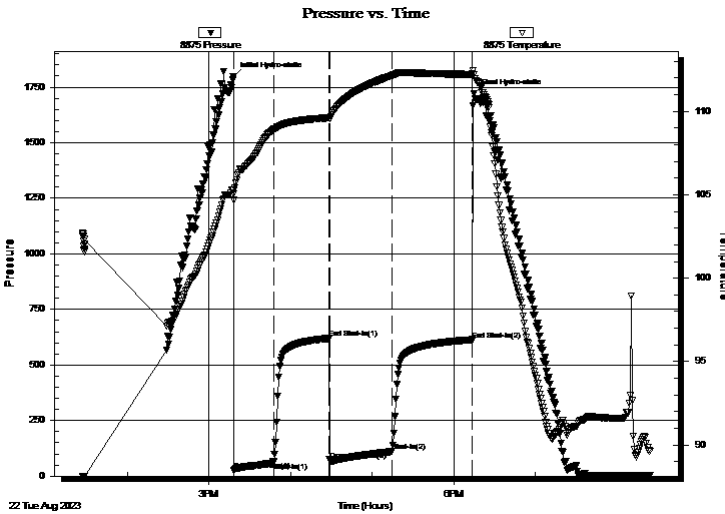
Serial #: 8875

Outside

Press@RunDepth: 112.15 psig @ 3598.00 ft (KB) Capacity: psig
 Start Date: 2023.08.22 End Date: 2023.08.22 Last Calib.: 2023.08.22
 Start Time: 13:27:01 End Time: 20:24:47 Time On Btm: 2023.08.22 @ 15:17:52
 Time Off Btm: 2023.08.22 @ 18:15:12

TEST COMMENT: 30-IF-BOB in 13.5 mins Built to 27.5"
 40-ISI-Surface to 1.75"
 45-FF-BOB 10 mins Built to 47.5"
 60-FSI-Surface to 5"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1798.04	105.25	Initial Hydro-static
1	25.18	104.66	Open To Flow (1)
30	60.89	108.89	Shut-In(1)
71	619.67	109.60	End Shut-In(1)
71	73.20	109.59	Open To Flow (2)
117	112.15	112.16	Shut-In(2)
176	613.98	112.24	End Shut-In(2)
178	1721.40	112.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	MCW 15%M 85%W RW=.124@95F=43K	0.15
90.00	GMO 30%G 30%M 40%O	1.28
60.00	GSMCO 30%G 5%M 65%O	0.85
50.00	GO 40%G 60%O Gravity=36	0.71
0.00	650 GIP 100%G	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

15-10s-22w Graham KS

125 N Market ST STE 1725
Wichita KS 67206

Herman Farms #1-15

Job Ticket: 71132

DST#: 2

ATTN: Larry Nicholson

Test Start: 2023.08.22 @ 13:27:00

Tool Information

Drill Pipe:	Length: 3551.00 ft	Diameter: 3.82 inches	Volume: 50.34 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	52000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	49000.00 daN
Depth to Top Packer:	3597.00 ft			Final	50000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	57.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3566.00	
Shut In Tool	5.00			3571.00	
Hydraulic tool	5.00			3576.00	
Jars	5.00			3581.00	
Gap Sub	4.00			3585.00	
Safety Joint	3.00			3588.00	
Packer	5.00			3593.00	32.00 Bottom Of Top Packer
Packer	4.00			3597.00	
Stubb	1.00			3598.00	
Recorder	0.00	6838	Inside	3598.00	
Recorder	0.00	8875	Outside	3598.00	
Perforations	21.00			3619.00	
Bullnose	3.00			3622.00	25.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

15-10s-22w Graham KS

125 N Market ST STE 1725
Wichita KS 67206

Herman Farms #1-15

Job Ticket: 71132

DST#: 2

ATTN: Larry Nicholson

Test Start: 2023.08.22 @ 13:27:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

43000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	MCW 15%M 85%W RW=.124@95F=43K	0.148
90.00	GMO 30%G 30%M 40%O	1.276
60.00	GSMCO 30%G 5%M 65%O	0.851
50.00	GO 40%G 60%O Gravity=36	0.709
0.00	650 GIP 100%G	0.000

Total Length: 230.00 ft

Total Volume:

2.984 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

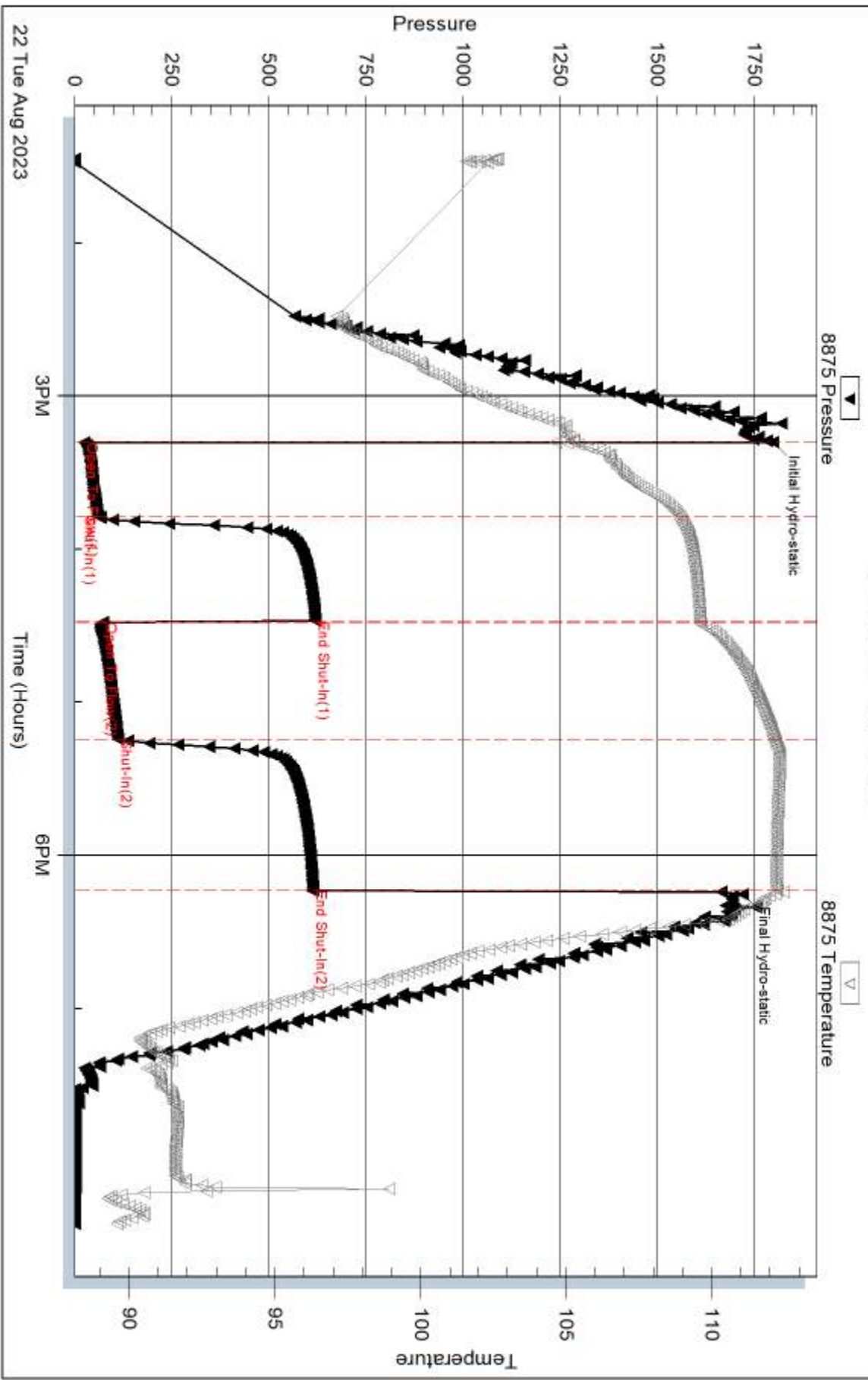
Laboratory Name:

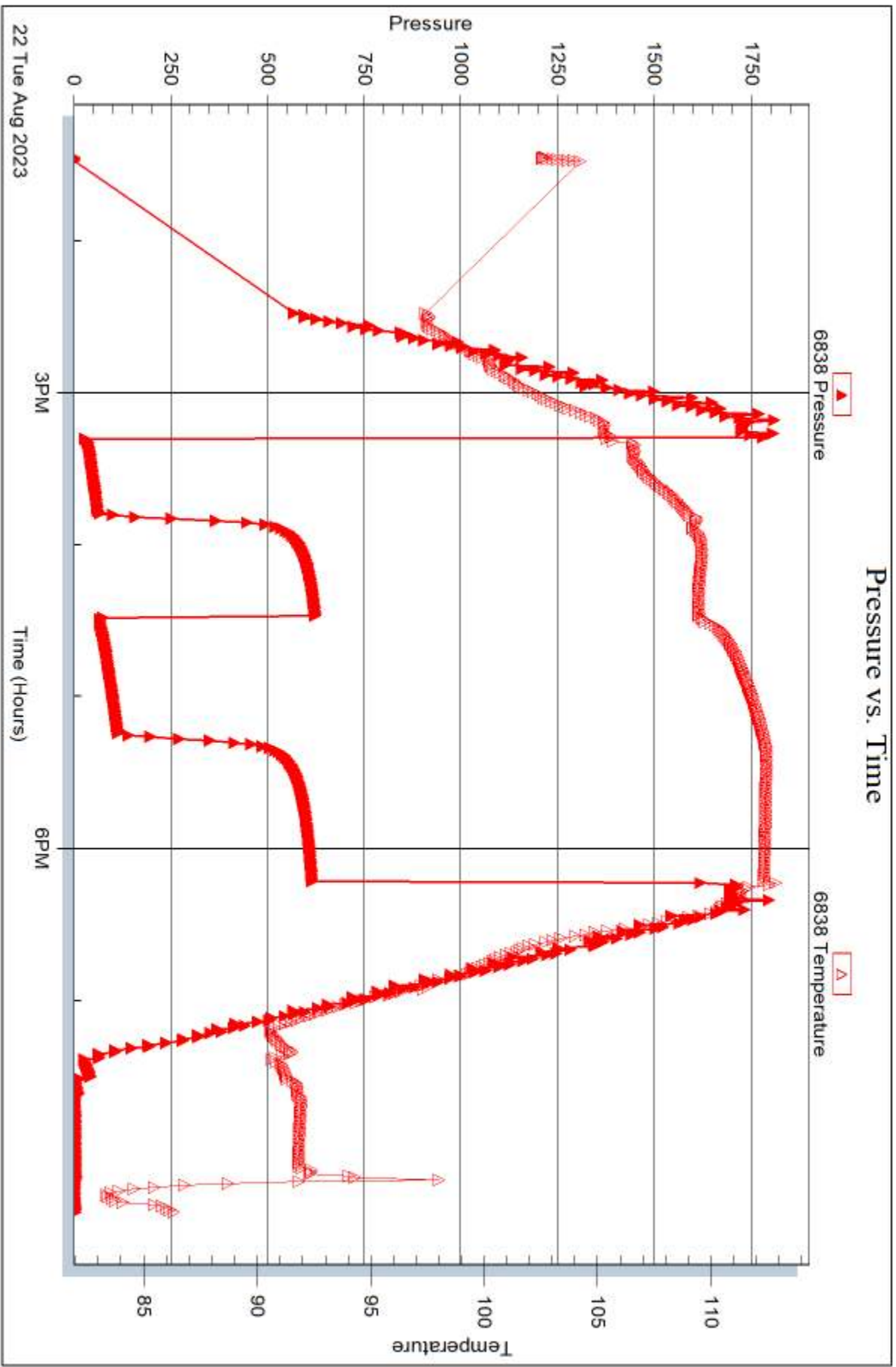
Laboratory Location:

Recovery Comments: 2#LCM

RW=.124@95F

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

125 N Market ST STE 1725
Wichita KS 67206

ATTN: Larry Nicholson

Herman Farms #1-15

15-10s-22w Graham KS

Start Date: 2023.08.23 @ 09:38:00

End Date: 2023.08.23 @ 14:39:56

Job Ticket #: 71133 DST #: 3

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

Printed: 2023.08.24 @ 17:09:10

Cobalt Energy LLC
15-10s-22w Graham KS
Herman Farms #1-15
DST # 3
LKC H-J
2023.08.23



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC
 125 N Market ST STE 1725
 Wichita KS 67206
 ATTN: Larry Nicholson

15-10s-22w Graham KS
Herman Farms #1-15
 Job Ticket: 71133 **DST#: 3**
 Test Start: 2023.08.23 @ 09:38:00

GENERAL INFORMATION:

Formation: **LKC H-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:25:57
 Time Test Ended: 14:39:56
 Interval: **3654.00 ft (KB) To 3718.00 ft (KB) (TVD)**
 Total Depth: 3718.00 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: 2282.00 ft (KB)
 2277.00 ft (CF)
 KB to GR/CF: 5.00 ft

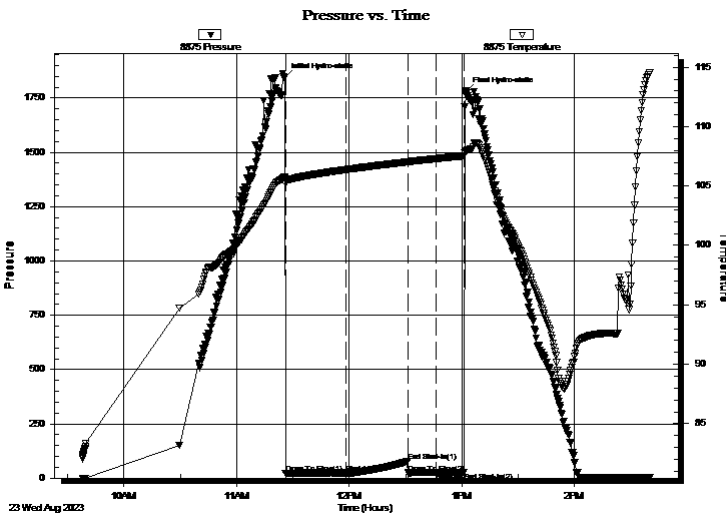
Serial #: 8875

Inside

Press@RunDepth: 25.43 psig @ 3657.00 ft (KB) Capacity: psig
 Start Date: 2023.08.23 End Date: 2023.08.23 Last Calib.: 2023.08.23
 Start Time: 09:38:01 End Time: 14:39:56 Time On Btm: 2023.08.23 @ 11:25:47
 Time Off Btm: 2023.08.23 @ 13:02:12

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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1843.19	105.73	Initial Hydro-static
1	22.83	105.17	Open To Flow (1)
33	23.40	106.38	Shut-In(1)
66	76.96	107.03	End Shut-In(1)
66	23.95	107.03	Open To Flow (2)
81	25.43	107.30	Shut-In(2)
96	27.45	107.58	End Shut-In(2)
97	1781.64	107.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	VSOCM 2% O 98%M	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

15-10s-22w Graham KS

125 N Market ST STE 1725
Wichita KS 67206

Herman Farms #1-15

Job Ticket: 71133

DST#: 3

ATTN: Larry Nicholson

Test Start: 2023.08.23 @ 09:38:00

Tool Information

Drill Pipe:	Length: 3610.00 ft	Diameter: 3.82 inches	Volume: 51.17 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	55000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
				String Weight: Initial	50000.00 daN
Drill Pipe Above KB:	18.00 ft			Final	50000.00 daN
Depth to Top Packer:	3654.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	96.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3623.00	
Shut In Tool	5.00			3628.00	
Hydraulic tool	5.00			3633.00	
Jars	5.00			3638.00	
Gap Sub	4.00			3642.00	
Safety Joint	3.00			3645.00	
Packer	5.00			3650.00	32.00 Bottom Of Top Packer
Packer	4.00			3654.00	
Stubb	1.00			3655.00	
Perforations	1.00			3656.00	
Change Over Sub	1.00			3657.00	
Recorder	0.00	6838	Inside	3657.00	
Recorder	0.00	8875	Inside	3657.00	
Drill Pipe	32.00			3689.00	
Change Over Sub	1.00			3690.00	
Perforations	25.00			3715.00	
Bullnose	3.00			3718.00	64.00 Bottom Packers & Anchor
Total Tool Length:	96.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

15-10s-22w Graham KS

125 N Market ST STE 1725
Wichita KS 67206

Herman Farms #1-15

Job Ticket: 71133

DST#: 3

ATTN: Larry Nicholson

Test Start: 2023.08.23 @ 09:38:00

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	VSOCM 2% O 98%M	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

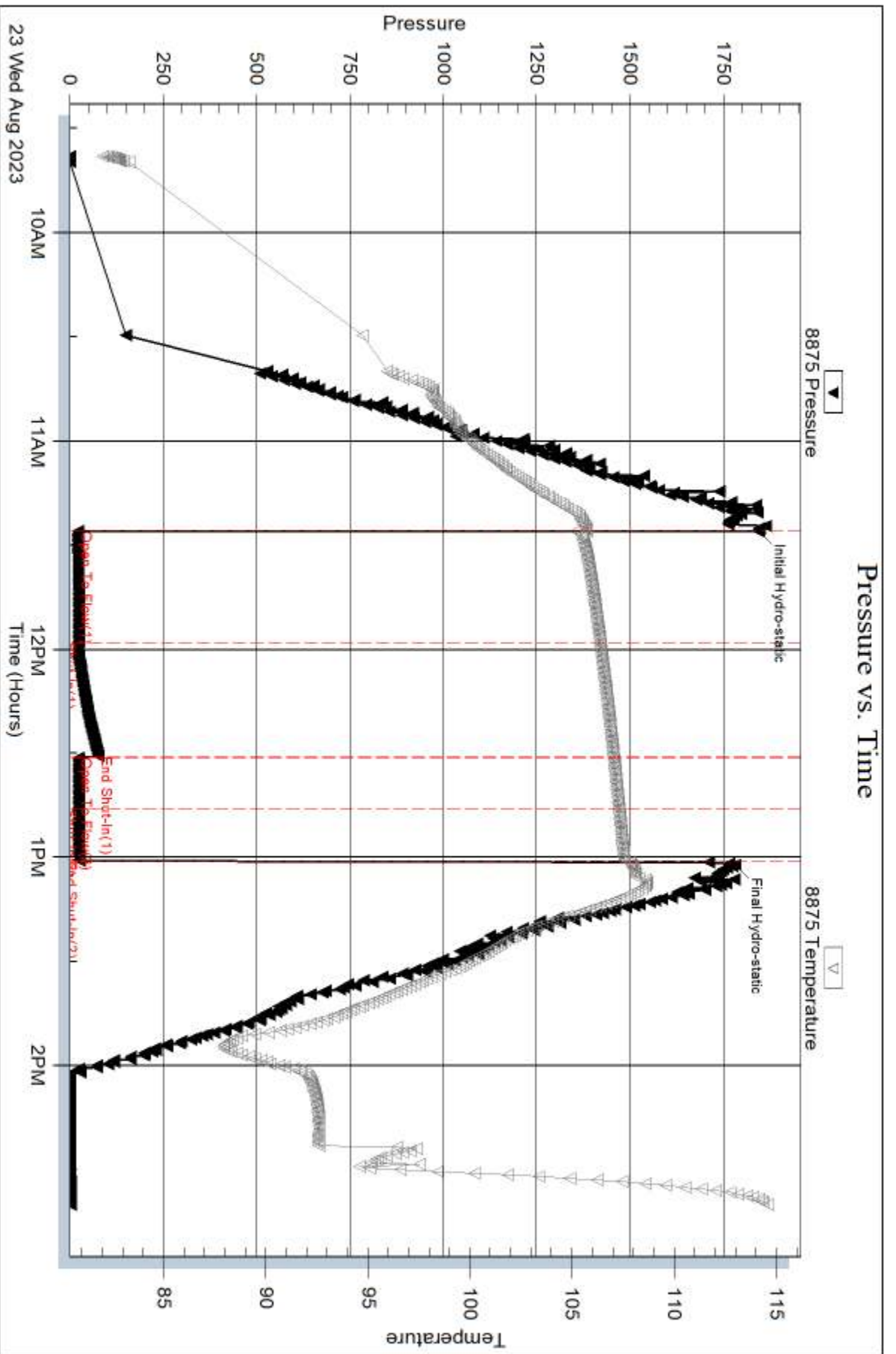
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM



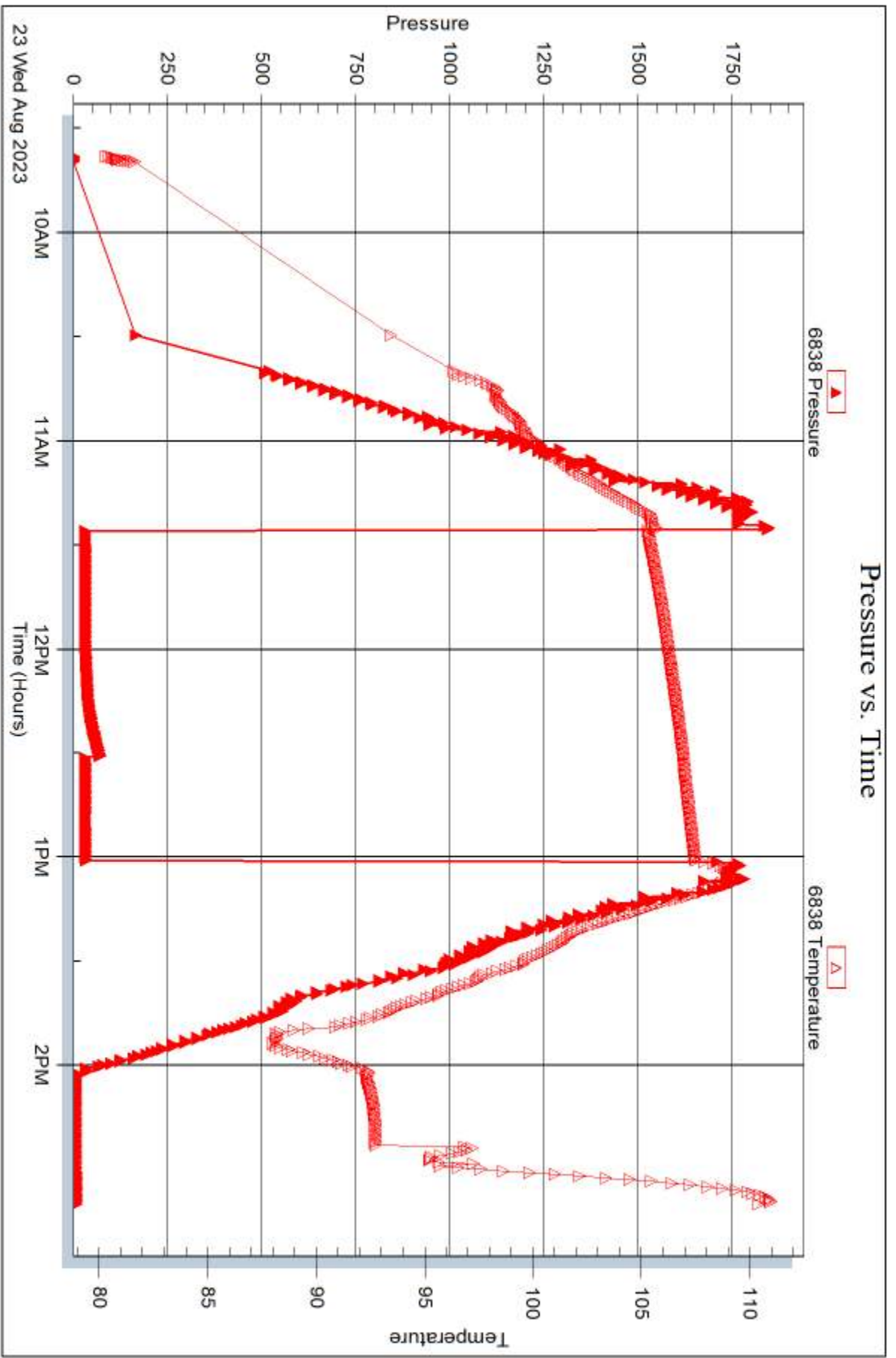
Serial #: 6838

Inside

Cobalt Energy LLC

Herman Farms #1-15

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 71133

Printed: 2023.08.24 @ 17:09:10



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

125 N Market ST STE 1725
Wichita KS 67206

ATTN: Larry Nicholson

Herman Farms #1-15

15-10s-22w Graham KS

Start Date: 2023.08.23 @ 21:28:00

End Date: 2023.08.24 @ 04:57:07

Job Ticket #: 71134 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.08.24 @ 17:08:10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC
125 N Market ST STE 1725
Wichita KS 67206
ATTN: Larry Nicholson

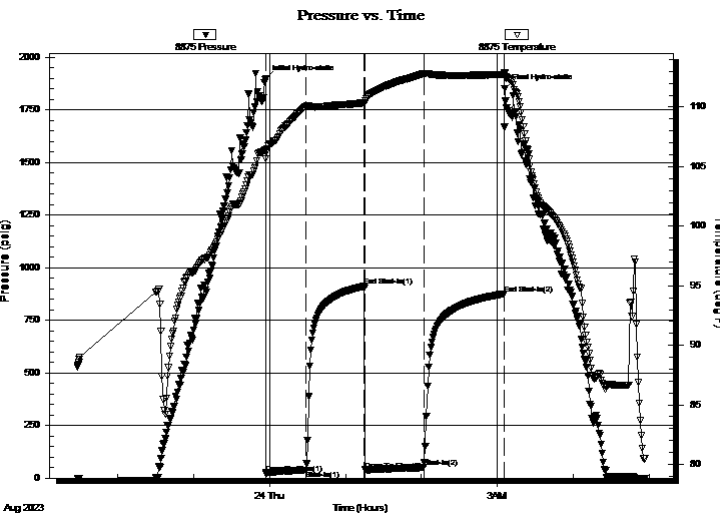
15-10s-22w Graham KS
Herman Farms #1-15
Job Ticket: 71134 **DST#: 4**
Test Start: 2023.08.23 @ 21:28:00

GENERAL INFORMATION:

Formation: **LKC K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:56:42
Time Test Ended: 04:57:07
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer J Staab
Unit No: 84
Interval: **3716.00 ft (KB) To 3740.00 ft (KB) (TVD)**
Reference Elevations: 2282.00 ft (KB)
Total Depth: 3740.00 ft (KB) (TVD) 2277.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8875 Outside
Press@RunDepth: 50.39 psig @ 3717.00 ft (KB) Capacity: psig
Start Date: 2023.08.23 End Date: 2023.08.24 Last Calib.: 2023.08.24
Start Time: 21:28:01 End Time: 04:57:07 Time On Btm: 2023.08.23 @ 23:56:37
Time Off Btm: 2023.08.24 @ 03:05:47

TEST COMMENT: 30-IF-Surface to 2.75"
45-ISI-No Return
45-FF-Surface to 3.5"
60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1896.43	106.38	Initial Hydro-static
1	23.94	105.66	Open To Flow (1)
32	37.89	110.02	Shut-In(1)
79	911.52	110.35	End Shut-In(1)
79	38.97	110.40	Open To Flow (2)
126	50.39	112.79	Shut-In(2)
189	876.34	112.76	End Shut-In(2)
190	1850.42	112.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	HWCM 30%W 70%M	0.57
14.00	SOCM 5%O 95%M	0.20
1.00	Clean oil	0.01

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

15-10s-22w Graham KS

125 N Market ST STE 1725
Wichita KS 67206

Herman Farms #1-15

Job Ticket: 71134

DST#: 4

ATTN: Larry Nicholson

Test Start: 2023.08.23 @ 21:28:00

Tool Information

Drill Pipe:	Length: 3679.00 ft	Diameter: 3.82 inches	Volume: 52.15 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 daN
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	51000.00 daN
			<u>Total Volume:</u>	Tool Chased	ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	50000.00 daN
Depth to Top Packer:	3716.00 ft			Final	50000.00 daN
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	56.00 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			3685.00	
Shut In Tool	5.00			3690.00	
Hydraulic tool	5.00			3695.00	
Jars	5.00			3700.00	
Gap Sub	4.00			3704.00	
Safety Joint	3.00			3707.00	
Packer	5.00			3712.00	32.00 Bottom Of Top Packer
Packer	4.00			3716.00	
Stubb	1.00			3717.00	
Recorder	0.00	6838	Inside	3717.00	
Recorder	0.00	8875	Outside	3717.00	
Perforations	20.00			3737.00	
Bullnose	3.00			3740.00	24.00 Bottom Packers & Anchor

Total Tool Length: 56.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

15-10s-22w Graham KS

125 N Market ST STE 1725
Wichita KS 67206

Herman Farms #1-15

Job Ticket: 71134

DST#: 4

ATTN: Larry Nicholson

Test Start: 2023.08.23 @ 21:28:00

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:

36000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	HWCM 30%W 70%M	0.573
14.00	SOCM 5%O 95%M	0.198
1.00	Clean oil	0.014

Total Length: 75.00 ft Total Volume: 0.785 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

RW=.171@80F

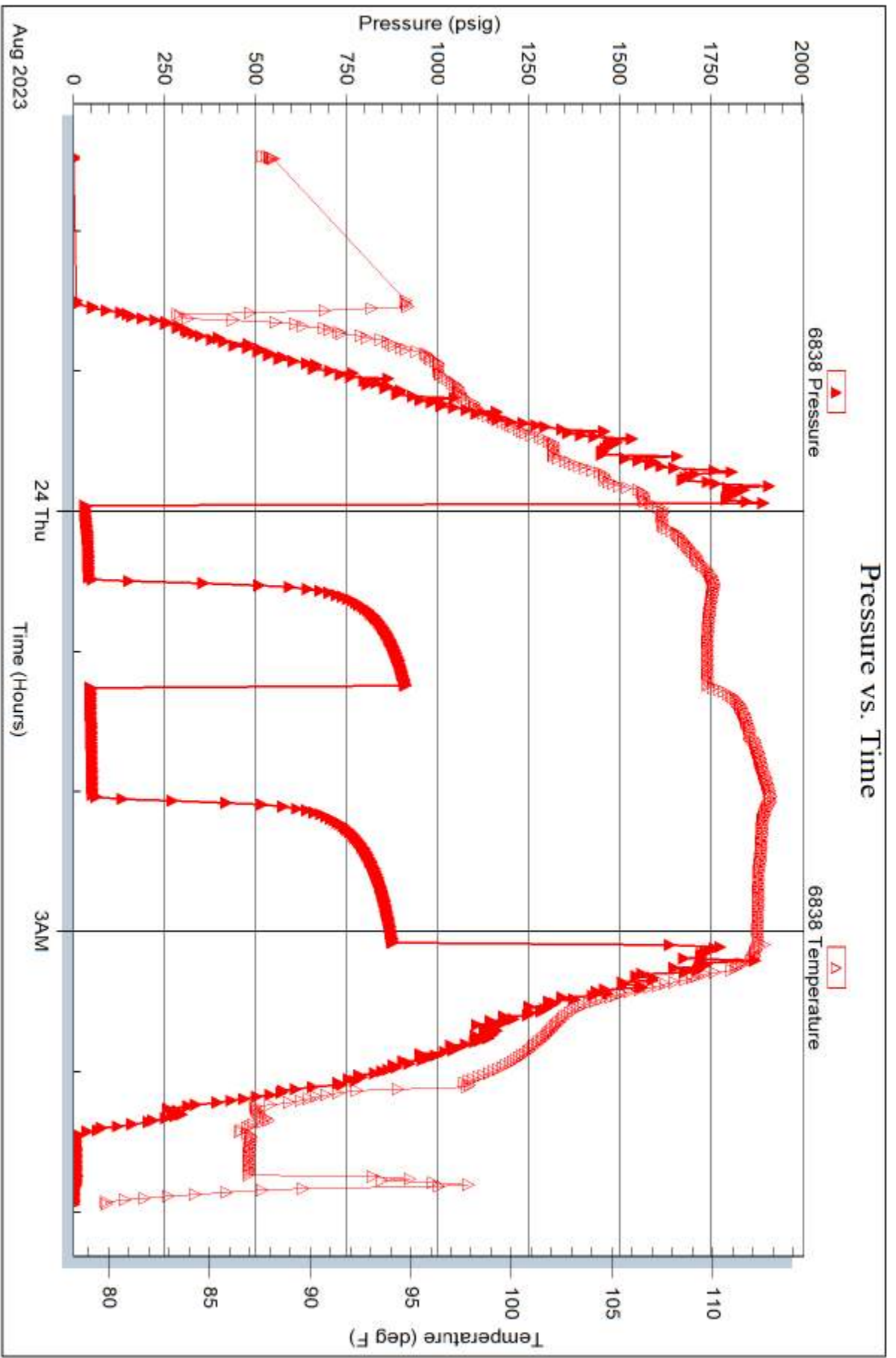
Serial #: 6838

Inside

Cobalt Energy LLC

Herman Farms #1-15

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 71134

Printed: 2023.08.24 @ 17:08:11



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **71131**

Well Name & No. Herman Farms #1-15 Test No. 1 Date 08/21/2023
 Company Cobalt Energy LLC Elevation 2282 KB 2277 GL
 Address 125 N Market ST STE 1725 Wichita KS 67206-
 Co. Rep / Geo Larry Nicholson Rig Murfin #16
 Location: Sec. 15 Twp 10s Rge. 22w Co. Graham State KS

Interval Tested 3553' - 3578 Zone Tested LKC C
 Anchor Length 25' Drill Pipe Run 3521' Mud Wt. 8.9
 Top Packer Depth 3548' Drill Collars Run 30' Vis 54
 Bottom Packer Depth 3553' Wt. Pipe Run - WL 6.0
 Total Depth 3578' Chlorides 3800 ppm System LCM 2H

Blow Description 87- BOB in 6 1/2 mins Built to 27 1/2"
80- 3 mins to bleed off; surface to 3"; Died back to 2.75"
77- BOB 7 1/2 mins; Built to 47 3/4"
75D- 4 mins to bleed off; surface to 2"; Died back to @ 33 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>420'</u>	<u>Water</u>		<u>100</u>		
<u>60'</u>	<u>MW</u>		<u>50</u>	<u>50</u>	
<u>30'</u>	<u>GD</u>	<u>5</u>	<u>95</u>		
	<u>9' GIP</u>	<u>100</u>			

Rec Total 510' BHT 115° Gravity 42° API RW .117 @ 80 °F Chlorides 59,000 ppm
 Initial Hydrostatic 1745 Test 1800 Ruined Shale Packer
 Initial Flow 39 to 128 Jars 300 Ruined Packer
 Initial Shut-In 732 Circ Sub Hotel
 Final Flow 134 to 264 Hourly Standby EM Tool Successful -350
 Final Shut-In 733 Mileage 11627 58mi 101.50 Accessibility
 Final Hydrostatic 1732 Sampler 18mi 31.50 Gas Sample
 T-On Location A.16 Straddle Oversized Hole
 Initial Flow 15 T-Started 20:16 Shale Packer Sub Total -350
 Initial Shut-In 30 T-Open 22:23 Extra Packer Total 1883
 Final Flow 30 T-Pulled 00:38 Extra Recorder Tool Loaded @
 Final Shut-In 60 T-Out 02:59 Day Standby MP/DST Disc't

Comments stayed in AC house

Approved By _____ Our Representative [Signature]

TriLOBITE TESTING INC. shall not be liable for damage of any kind of 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. **71132**

Well Name & No. Herman Farms #1-15 Test No. 2 Date 08/22/2023
 Company Cobalt Energy LLC Elevation 2282 KB 2277 GL
 Address 125 N Market St STE 1725 Wichita KS 67206
 Co. Rep / Geo Larry Nicholson Rig Murfin #16
 Location: Sec. 15 Twp 10s Rge. 22w Co. Shoalam State KS

Interval Tested 3597' - 3622 Zone Tested LAC 7
 Anchor Length 25' Drill Pipe Run 3551' Mud Wt. 9.2
 Top Packer Depth 3592' Drill Collars Run 30' Vis 54
 Bottom Packer Depth 3597' Wt. Pipe Run - WL 7.2
 Total Depth 3622' Chlorides 3,000 ppm System LCM 2H

Blow Description 27-BOB 13.5 mins; Built to 27.5"
25'-Surface to 1.75"
77-BOB 10 mins; Built to 47.2"
75'-Surface to 5"

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>MCW</u>		<u>85</u>	<u>15</u>	
<u>80</u>	<u>GMO</u>	<u>30</u>	<u>40</u>		<u>30</u>
<u>60</u>	<u>GSMCO</u>	<u>30</u>	<u>65</u>		<u>5</u>
<u>50</u>	<u>GO</u>	<u>40</u>	<u>60</u>		
	<u>650' GTP</u>	<u>100</u>			

Rec Total 230 BHT 112° Gravity 36° API RW .124 @ 95 °F Chlorides 43,000 ppm
 Initial Hydrostatic 1798 Test 1800 Ruined Shale Packer
 Initial Flow 25 to 60 Jars 300 Ruined Packer
 Initial Shut-In 619 Circ Sub Hotel
 Final Flow 73 to 112 Hourly Standby EM Tool Successful -175
 Final Shut-In 613 Mileage 3627 63 Accessibility
 Final Hydrostatic 1721 Sampler Gas Sample
 T-On Location 13:16 Straddle Oversized Hole
 Initial Flow 30 T-Started 13:27 Shale Packer Sub Total -175
 Initial Shut-In 40 T-Open 15:18 Extra Packer Total 1988
 Final Flow 45 T-Pulled 18:13 Extra Recorder Tool Loaded @
 Final Shut-In 60 T-Out Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damage of any kind of 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. **71133**

Well Name & No. Herman Farms #1-15 Test No. 3 Date 08/23/2023
 Company Colalt Energy LLC Elevation 2282 KB 2277 GL
 Address 125 N Market ST STE 1725 Wichita KS 67206
 Co. Rep / Geo Larry Nicholson Rig Murphy #16
 Location: Sec. 15 Twp 10S Rge. 22W Co. Nebraska State KS

Interval Tested 3654'-3718' Zone Tested LKC A-J
 Anchor Length 64' Drill Pipe Run 3610' Mud Wt. 9.2
 Top Packer Depth 3649' Drill Collars Run 30 Vis 53
 Bottom Packer Depth 3654' Wt. Pipe Run - WL 7.2
 Total Depth 3718' Chlorides 3500 ppm System LCM 2#

Blow Description D7-Surface to 3/4"
DSD-No Return
77-No Blows
78-No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>2'</u>	<u>VSOCM</u>	<u>2</u>		<u>98</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	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 2' BHT 1070 Gravity - API RW - @ - °F Chlorides - ppm
 Initial Hydrostatic 1843 Test 1800 Ruined Shale Packer
 Initial Flow 22 to 23 Jars 300 Ruined Packer
 Initial Shut-In 76 Circ Sub Hotel
 Final Flow 23 to 25 Hourly Standby EM Tool Successful
 Final Shut-In 27 Mileage 3627 63 Accessibility
 Final Hydrostatic 1781 Sampler Gas Sample
 T-On Location 09:07 Straddle Oversized Hole
 Initial Flow 30 T-Started 09:38 Shale Packer Sub Total 0
 Initial Shut-In 30 T-Open 11:26 Extra Packer Total 2163
 Final Flow 30 T-Pulled 13:26 Extra Recorder Tool Loaded @
 Final Shut-In 30 T-Out 14:39 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative [Signature]

TriLOBITE Testing Inc. shall not be liable for damage of any kind of 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. **71134**

Well Name & No. Herman Farms #1-15 Test No. 4 Date 08/23/2023
 Company Colt Energy LLC Elevation 2282 KB 2277 GL
 Address 125 N Market ST SWE 1725 Wichita KS 67206
 Co. Rep / Geo Larry Nicholson Rig Murphy #16
 Location: Sec. 15 Twp 10s Rge. 22w Co. Prichard State KS

Interval Tested 3716' - 3740' Zone Tested LAC #
 Anchor Length 24' Drill Pipe Run 3679 Mud Wt. 9.2
 Top Packer Depth 3711' Drill Collars Run 30 Vis 53
 Bottom Packer Depth 3716' Wt. Pipe Run - WL 7.2
 Total Depth 3740' Chlorides 3500 ppm System LCM 2#

Blow Description 17-Surface to 2.75"
DSD - No Return
77-Surface to 3.5"
9SD - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60'</u>	<u>HWCM</u>		<u>30</u>	<u>70</u>	
<u>14'</u>	<u>SOCM</u>		<u>5</u>	<u>95</u>	
<u>1'</u>	<u>Clean Oil</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 Total 75 BHT 112° Gravity - API RW .171 @ 80 °F Chlorides 36,000 ppm
 Initial Hydrostatic 1896 Test 1800 Ruined Shale Packer
 Initial Flow 23 to 37 Jars 300 Ruined Packer
 Initial Shut-In 911 Circ Sub Hotel
 Final Flow 38 to 50 Hourly Standby EM Tool Successful
 Final Shut-In 876 Mileage 3627 18mi 31.50 Accessibility
 Final Hydrostatic 1850 Sampler 63 58mi 101.50 Gas Sample
 T-On Location 20:44 Straddle Oversized Hole
 Initial Flow 30 T-Started 21:28 Shale Packer Sub Total 0
 Initial Shut-In 45 T-Open 23:58 Extra Packer Total 2296
 Final Flow 45 T-Pulled 02:58 Extra Recorder Tool Loaded 08/24 @ 06:06
 Final Shut-In 60 T-Out 04:59 Day Standby MP/DST Disc't

Comments _____

Approved By _____ Our Representative [Signature]

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FRANKS Oilfield Service

◆ 815 Main Street Victoria, KS 67671 ◆ 24 Hour Phone (785) 639-7269
 ◆ Office Phone (785) 639-3949 ◆ Email: franksoilfield@yahoo.com

TICKET NUMBER 1038

LOCATION Hoxie

FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-17-23	34579	Herman Farms 1-15	15	10	22	Graham
CUSTOMER <u>Cabalz Energy LLC</u>						
MAILING ADDRESS <u>125 N Market St. STE 1725</u>						
CITY <u>Wichita</u>		STATE <u>KS</u>	ZIP CODE <u>67202</u>			
TRUCK # <u>103</u>		DRIVER <u>Tom W</u>		TRUCK # <u>201</u>		DRIVER <u>Jack T</u>

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 240' CASING SIZE & WEIGHT _____
 CASING DEPTH 237' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & set up on Mar 25 @ 16. Circulate mud. Mix 160 gal surface blend. Displace 14 Bbl + shut in.

Cement circulated

Thanks Tom & Jack

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
<u>P1002</u>	<u>1</u>	<u>PUMP CHARGE Surface</u>	<u>\$1150.00</u>	<u>\$1150.00</u>
<u>M001</u>	<u>52</u>	<u>MILEAGE</u>	<u>\$41.50</u>	<u>\$2358.00</u>
<u>M002</u>	<u>7.84 tons</u>	<u>Ton Mileage Delivery</u>	<u>\$411.52</u>	<u>\$411.52</u>
<u>CB004</u>	<u>160 gal</u>	<u>Class A 39% 29 gal</u>	<u>\$25.50</u>	<u>\$4080.00</u>
			<u>sub total</u>	<u>\$6179.52</u>
			<u>less 5% disc.</u>	<u>\$308.97</u>
			<u>sub total</u>	<u>\$5870.55</u>
			<u>SALES TAX</u>	<u>290.70</u>
			ESTIMATED TOTAL	6161.25

AUTHORIZATION _____ 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.

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



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

Andrew J. French, Chairperson
Dwight D. Keen, Commissioner
Annie Kuether, Commissioner

Laura Kelly, Governor

January 24, 2024

NICK HESS
Cobalt Energy LLC
125 N MARKET ST STE 1725
WICHITA, KS 67202-1717

Re: ACO-1
API 15-065-24273-00-00
HERMAN FARMS 1-15
NE/4 Sec.15-10S-22W
Graham County, Kansas

Dear NICK HESS:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 8/17/2023 and the ACO-1 was received on January 09, 2024 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department