

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)</i> <i>(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**

115 S Belmont St #12 Witchita,KS 67218

ATTN: Larry Nicholson

Heilman Trust #1-30

30-3s-26w Decatur,KS

Start Date: 2022.01.24 @ 17:45:00

End Date: 2022.01.25 @ 00:30:00

Job Ticket #: 68559 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.01.28 @ 11:20:03



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Cobalt Energy LLC
 115 S Belmont St #12 Wichita, KS 67218
 ATTN: Larry Nicholson

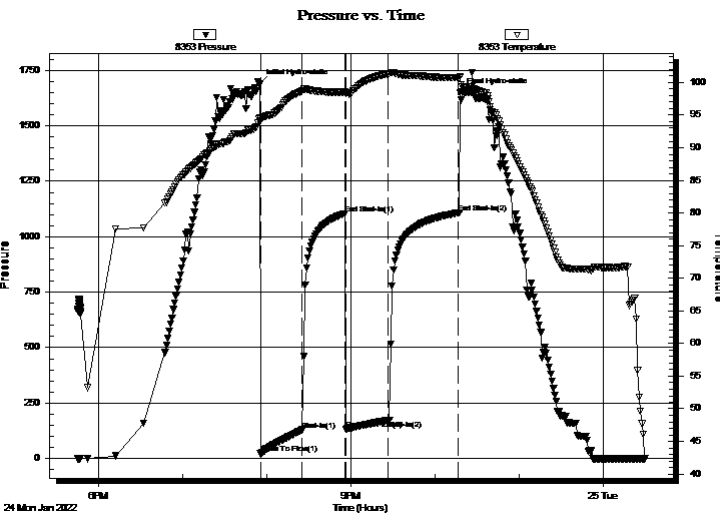
30-3s-26w Decatur, KS
Heilman Trust #1-30
 Job Ticket: 68559 **DST#: 1**
 Test Start: 2022.01.24 @ 17:45:00

GENERAL INFORMATION:

Formation: **Upper Topeka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:55:30
 Time Test Ended: 00:30:00
 Interval: **3395.00 ft (KB) To 3424.00 ft (KB) (TVD)**
 Total Depth: 3424.00 ft (KB) (TVD)
 Hole Diameter: 7.87 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Nathan Aneas
 Unit No: 71
 Reference Elevations: 2595.00 ft (KB)
 2590.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8353 Inside
 Press@RunDepth: 172.56 psig @ 3396.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.01.24 End Date: 2022.01.25 Last Calib.: 2022.01.25
 Start Time: 17:45:01 End Time: 00:30:00 Time On Btm: 2022.01.24 @ 19:55:00
 Time Off Btm: 2022.01.24 @ 22:17:45

TEST COMMENT: 30:IF- Good Surface blow , built to 2.33 inch in 7 min, final blow w as 2.01 inch
 30:IS- No blow back
 30:FF- Weak surface blow , built to 2.44 inch in 5 min, final blow w as 7.84 inch
 45:FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1688.36	94.62	Initial Hydro-static
1	23.24	94.41	Open To Flow (1)
30	129.84	98.72	Shut-In(1)
61	1104.62	98.53	End Shut-In(1)
62	133.50	98.28	Open To Flow (2)
91	172.56	101.36	Shut-In(2)
142	1107.85	100.75	End Shut-In(2)
143	1650.91	100.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
94.00	MW 98%W 2%M	0.46
239.00	MW 95%W 5%M	2.03

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

30-3s-26w Decatur,KS

115 S Belmont St #12 Witchita,KS 67218

Heilman Trust #1-30

Job Ticket: 68559

DST#: 1

ATTN: Larry Nicholson

Test Start: 2022.01.24 @ 17:45:00

Tool Information

Drill Pipe:	Length: 3148.41 ft	Diameter: 3.80 inches	Volume: 44.16 bbl	Tool Weight: 20000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 239.59 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 73000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3395.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3368.00	
Hydraulic tool	5.00			3373.00	
Jars	5.00			3378.00	
EM Tool	4.00			3382.00	
Safety Joint	3.00			3385.00	
Packer	5.00			3390.00	32.00 Bottom Of Top Packer
Packer	5.00			3395.00	
Stubb	1.00			3396.00	
Recorder	0.00	8353	Inside	3396.00	
Recorder	0.00	8676	Outside	3396.00	
Perforations	25.00			3421.00	
Bullnose	3.00			3424.00	29.00 Bottom Packers & Anchor

Total Tool Length: 61.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

30-3s-26w Decatur,KS

115 S Belmont St #12 Witchita,KS 67218

Heilman Trust #1-30

Job Ticket: 68559

DST#: 1

ATTN: Larry Nicholson

Test Start: 2022.01.24 @ 17:45:00

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:

70000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.38 in³

Gas Cushion Type:

Resistivity: 0.37 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
94.00	MW 98%W 2%M	0.462
239.00	MW 95%W 5%M	2.026

Total Length: 333.00 ft

Total Volume: 2.488 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

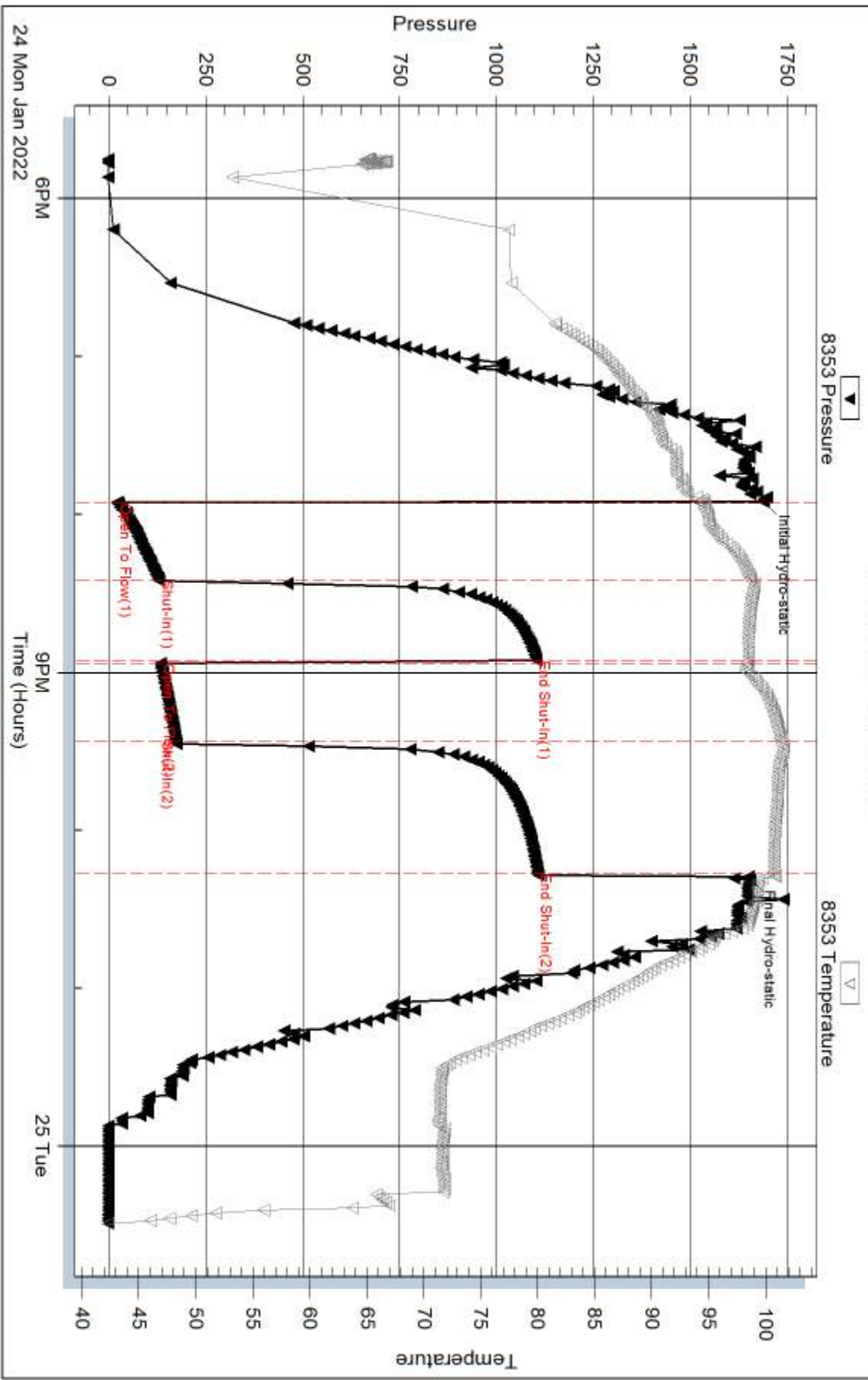
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

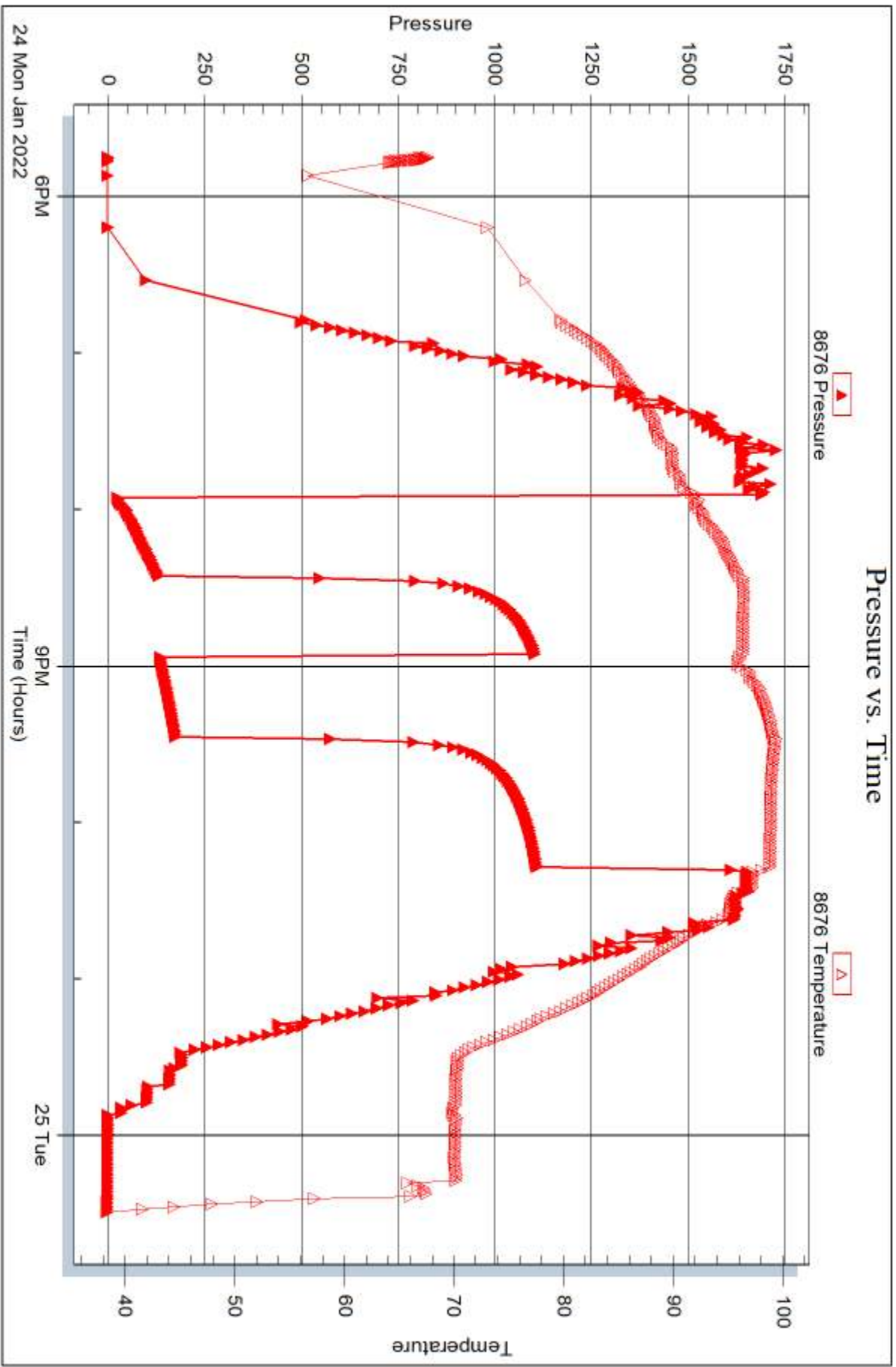


Serial #: 8676

Outside Cobalt Energy LLC

Heliman Trust #1-30

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 68559

Printed: 2022.01.28 @ 11:20:05



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

115 S Belmont St #12 Witchita,KS 67218

ATTN: Larry Nicholson

Heilman Trust #1-30

30-3s-26w Decatur,KS

Start Date: 2022.01.25 @ 19:50:00

End Date: 2022.01.26 @ 02:38:30

Job Ticket #: 68560 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.01.28 @ 11:19:37



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC
 115 S Belmont St #12 Wichita, KS 67218
 ATTN: Larry Nicholson

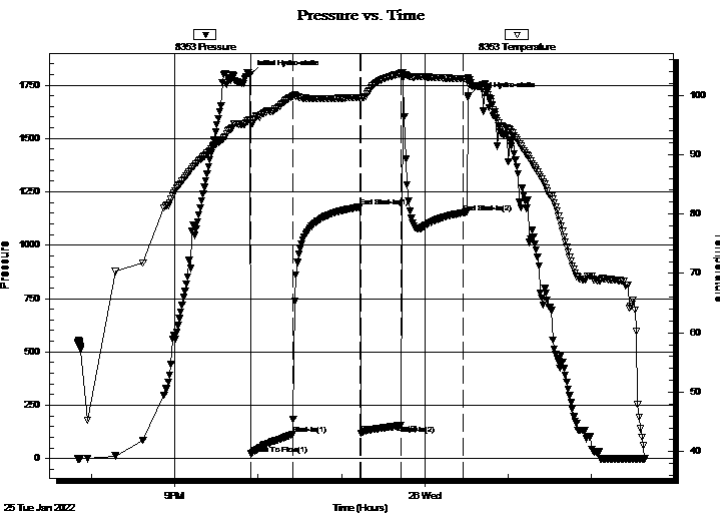
30-3s-26w Decatur, KS
Heilman Trust #1-30
 Job Ticket: 68560 **DST#: 2**
 Test Start: 2022.01.25 @ 19:50:00

GENERAL INFORMATION:

Formation: **Toronto-Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:54:45
 Time Test Ended: 02:38:30
 Interval: **3530.00 ft (KB) To 3585.00 ft (KB) (TVD)**
 Total Depth: 3585.00 ft (KB) (TVD)
 Hole Diameter: 7.87 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Nathan Aneas
 Unit No: 71
 Reference Elevations: 2595.00 ft (KB)
 2590.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8353 Inside
 Press@RunDepth: 156.95 psig @ 3531.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.01.25 End Date: 2022.01.26 Last Calib.: 2022.01.26
 Start Time: 19:50:01 End Time: 02:38:30 Time On Btm: 2022.01.25 @ 21:54:15
 Time Off Btm: 2022.01.26 @ 00:31:00

TEST COMMENT: 30:IF- Weak surface blow , built to 1/2 inch in 5 min, then died to surface
 45:IS- No blow back
 30:FF- Weak surface blow , built to 1 1/2 inch in 13 min, final blow w as 2 1/4 inch
 45:FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1800.51	95.92	Initial Hydro-static
1	22.27	95.41	Open To Flow (1)
31	113.96	99.79	Shut-In(1)
80	1179.16	99.61	End Shut-In(1)
80	119.64	99.46	Open To Flow (2)
109	156.95	103.72	Shut-In(2)
154	1152.19	102.75	End Shut-In(2)
157	1697.92	102.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Mud 100%M	0.30
239.00	MW 95%W 5%M	1.73

* 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

30-3s-26w Decatur,KS

115 S Belmont St #12 Witchita,KS 67218

Heilman Trust #1-30

Job Ticket: 68560

DST#: 2

ATTN: Larry Nicholson

Test Start: 2022.01.25 @ 19:50:00

Tool Information

Drill Pipe:	Length: 3274.41 ft	Diameter: 3.80 inches	Volume: 45.93 bbl	Tool Weight:	20000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 239.59 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose:	68000.00 lb
			<u>Total Volume:</u> - bbl	Tool Chased	5.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	3530.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	55.00 ft				
Tool Length:	87.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3503.00	
Hydraulic tool	5.00			3508.00	
Jars	5.00			3513.00	
EM Tool	4.00			3517.00	
Safety Joint	3.00			3520.00	
Packer	5.00			3525.00	32.00 Bottom Of Top Packer
Packer	5.00			3530.00	
Stubb	1.00			3531.00	
Recorder	0.00	8353	Inside	3531.00	
Recorder	0.00	8676	Outside	3531.00	
Perforations	19.00			3550.00	
Change Over Sub	1.00			3551.00	
Drill Pipe	30.00			3581.00	
Change Over Sub	1.00			3582.00	
Bullnose	3.00			3585.00	55.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

30-3s-26w Decatur,KS

115 S Belmont St #12 Witchita,KS 67218

Heilman Trust #1-30

Job Ticket: 68560

DST#: 2

ATTN: Larry Nicholson

Test Start: 2022.01.25 @ 19:50:00

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:

54000 ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.51 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
62.00	Mud 100%M	0.305
239.00	MW 95%W 5%M	1.735

Total Length: 301.00 ft

Total Volume: 2.040 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

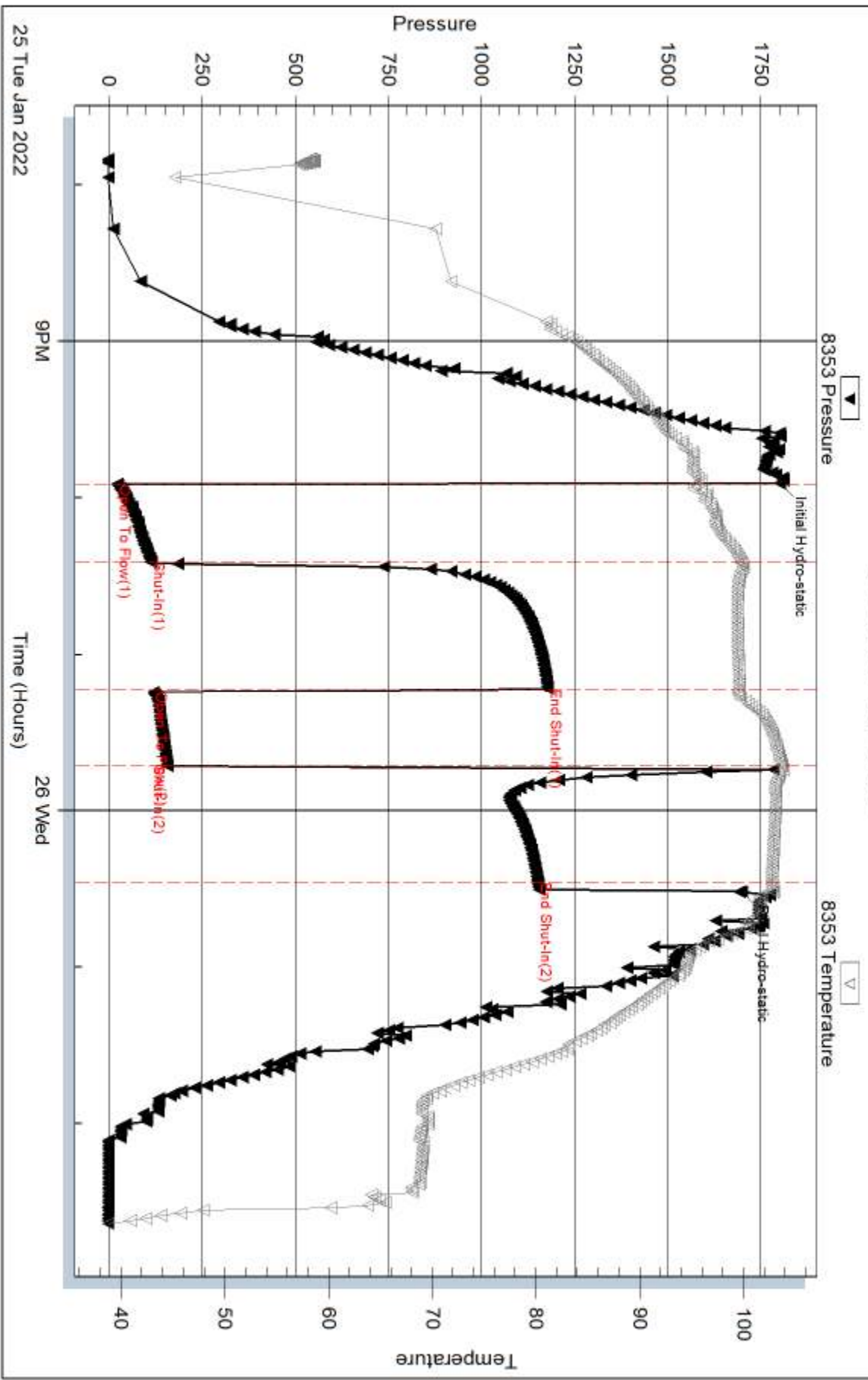
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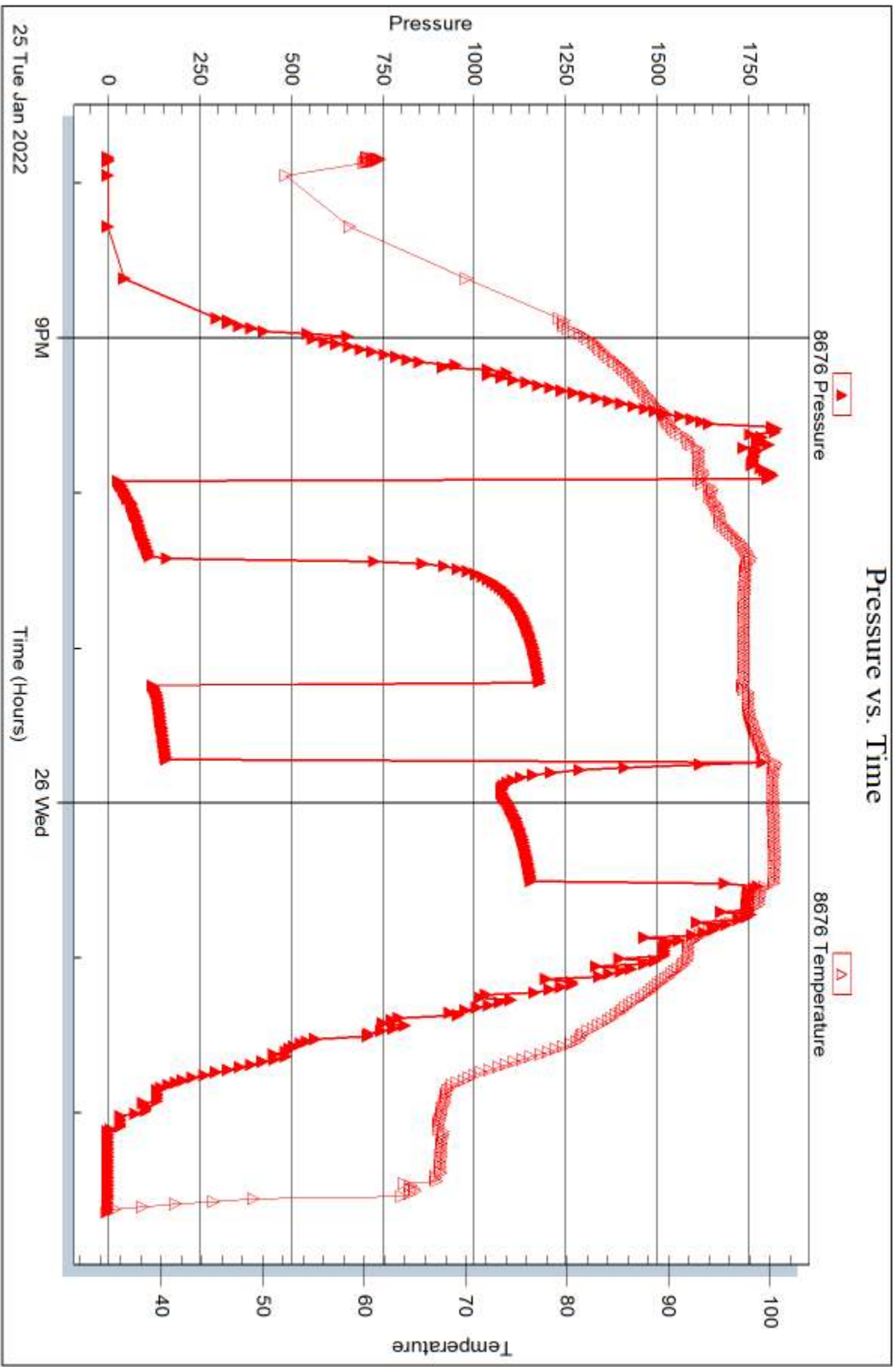
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

115 S Belmont St #12 Witchita,KS 67218

ATTN: Larry Nicholson

Heilman Trust #1-30

30-3s-26w Decatur,KS

Start Date: 2022.01.26 @ 13:35:00

End Date: 2022.01.26 @ 21:18:45

Job Ticket #: 68561 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.01.28 @ 11:19:12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC
115 S Belmont St #12 Wichita, KS 67218
ATTN: Larry Nicholson

30-3s-26w Decatur, KS
Heilman Trust #1-30
Job Ticket: 68561 **DST#: 3**
Test Start: 2022.01.26 @ 13:35:00

GENERAL INFORMATION:

Formation: **LKC C-D**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:43:00
Time Test Ended: 21:18:45
Interval: **3587.00 ft (KB) To 3617.00 ft (KB) (TVD)**
Total Depth: 3617.00 ft (KB) (TVD)
Hole Diameter: 7.87 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Nathan Aneas
Unit No: 71
Reference Elevations: 2595.00 ft (KB)
2590.00 ft (CF)
KB to GR/CF: 5.00 ft

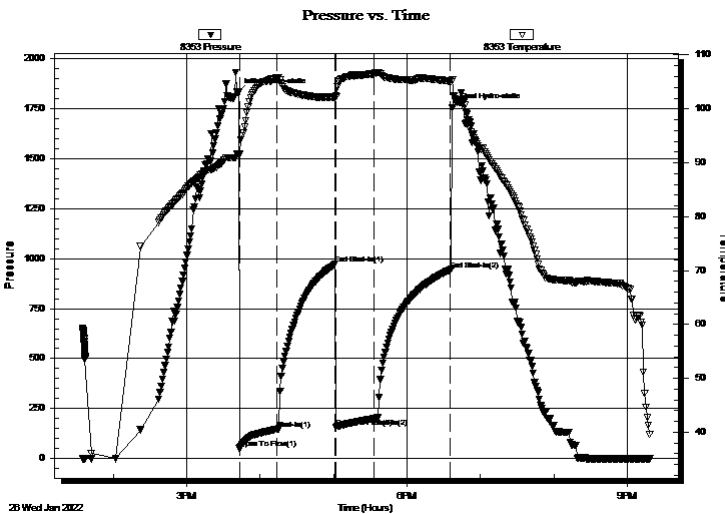
Serial #: 8353

Inside

Press@RunDepth: 200.24 psig @ 3588.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.01.26 End Date: 2022.01.26 Last Calib.: 2022.01.26
Start Time: 13:35:01 End Time: 21:18:45 Time On Btm: 2022.01.26 @ 15:42:00
Time Off Btm: 2022.01.26 @ 18:37:15

TEST COMMENT: 30:IF- Good surface blow , built to 2 1/2 inch in 5 min, BOB in 22 min
45:IS- Weak surface blow , built to 1/2 inch in 5 min, final blow is 3/4 inch
30:FF- Good surface blow , blow built to 4 inch in 5 min, BOB in 15 min
60:FS- Weak surface blow , built to 1/2 inch in 3 min, final blow is 1 1/4 inch

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1830.94	91.73	Initial Hydro-static
1	49.63	91.51	Open To Flow (1)
32	147.01	105.79	Shut-In(1)
80	971.67	102.20	End Shut-In(1)
80	156.46	102.43	Open To Flow (2)
111	200.24	106.46	Shut-In(2)
173	942.69	105.16	End Shut-In(2)
176	1752.73	105.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	CO 100%O	0.10
221.00	SGMCW 96%W 2%G 2%M	1.38
209.00	MW 95%W 5%M	2.93
0.00	GIP 252	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

30-3s-26w Decatur,KS

115 S Belmont St #12 Witchita,KS 67218

Heilman Trust #1-30

Job Ticket: 68561

DST#: 3

ATTN: Larry Nicholson

Test Start: 2022.01.26 @ 13:35:00

Tool Information

Drill Pipe:	Length: 3368.00 ft	Diameter: 3.80 inches	Volume: 47.24 bbl	Tool Weight:	20000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 209.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume:</u> - bbl	Tool Chased	ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3587.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	62.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3560.00	
Hydraulic tool	5.00			3565.00	
Jars	5.00			3570.00	
EM Tool	4.00			3574.00	
Safety Joint	3.00			3577.00	
Packer	5.00			3582.00	32.00 Bottom Of Top Packer
Packer	5.00			3587.00	
Stubb	1.00			3588.00	
Recorder	0.00	8353	Inside	3588.00	
Recorder	0.00	8676	Outside	3588.00	
Perforations	26.00			3614.00	
Bullnose	3.00			3617.00	30.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

30-3s-26w Decatur,KS

115 S Belmont St #12 Witchita,KS 67218

Heilman Trust #1-30

Job Ticket: 68561

DST#: 3

ATTN: Larry Nicholson

Test Start: 2022.01.26 @ 13:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32.6 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

55000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.17 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	CO 100%O	0.098
221.00	SGMCW 96%W 2%G 2%M	1.378
209.00	MW 95%W 5%M	2.932
0.00	GIP 252	0.000

Total Length: 450.00 ft

Total Volume: 4.408 bbl

Num Fluid Samples: 0

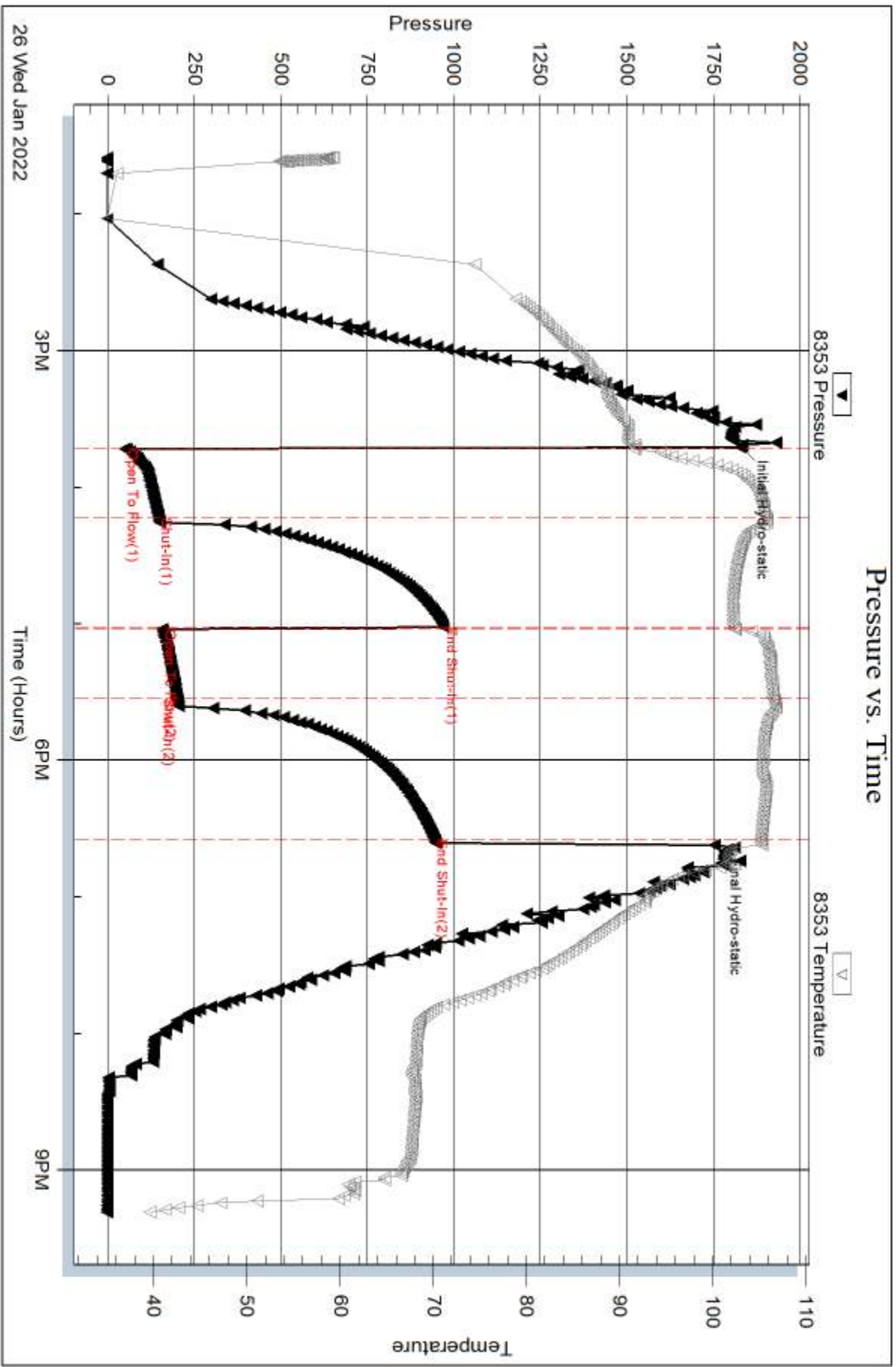
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

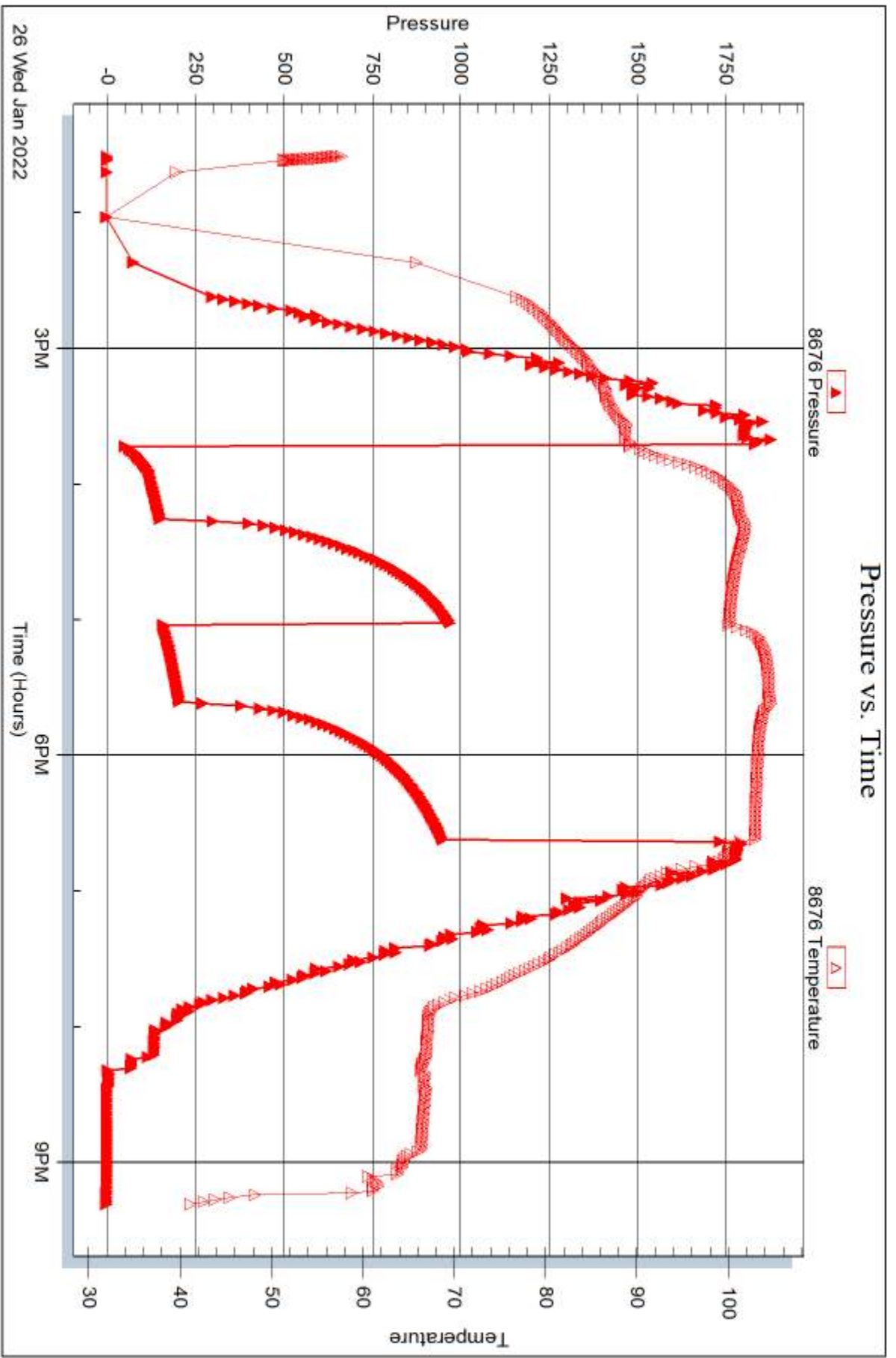


Serial #: 8676

Outside Cobalt Energy LLC

Heliman Trust #1-30

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 68561

Printed: 2022.01.28 @ 11:19:13



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

115 S Belmont St #12 Witchita,KS 67218

ATTN: Larry Nicholson

Heilman Trust #1-30

30-3s-26w Decatur,KS

Start Date: 2022.01.27 @ 18:05:00

End Date: 2022.01.28 @ 01:25:45

Job Ticket #: 68562 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.01.28 @ 11:18:42



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC
 115 S Belmont St #12 Wichita, KS 67218
 ATTN: Larry Nicholson

30-3s-26w Decatur, KS
Heilman Trust #1-30
 Job Ticket: 68562 **DST#: 4**
 Test Start: 2022.01.27 @ 18:05:00

GENERAL INFORMATION:

Formation: **LKC H - K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:22:00
 Time Test Ended: 01:25:45
 Interval: **3670.00 ft (KB) To 3754.00 ft (KB) (TVD)**
 Total Depth: 3754.00 ft (KB) (TVD)
 Hole Diameter: 7.87 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Nathan Aneas
 Unit No: 71
 Reference Elevations: 2595.00 ft (KB)
 2590.00 ft (CF)
 KB to GR/CF: 5.00 ft

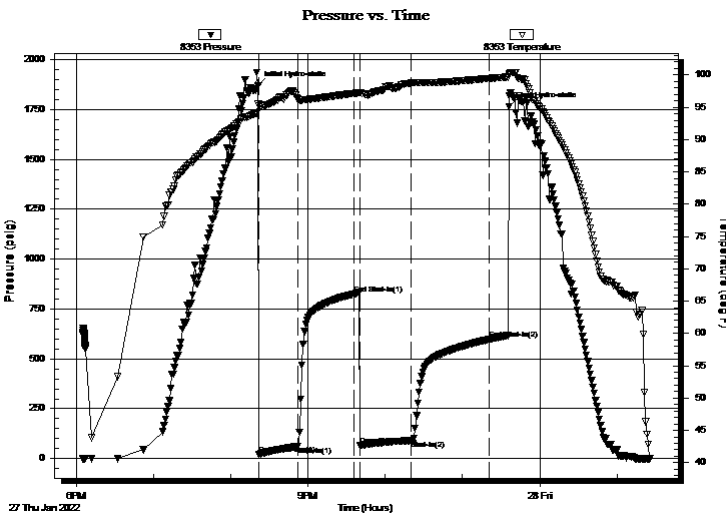
Serial #: 8353

Inside

Press@RunDepth: 90.52 psig @ 3671.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2022.01.27 End Date: 2022.01.28 Last Calib.: 2022.01.28
 Start Time: 18:05:01 End Time: 01:25:45 Time On Btm: 2022.01.27 @ 20:21:15
 Time Off Btm: 2022.01.27 @ 23:36:00

TEST COMMENT: 30:IF-Weak surface blow , built to 1 inch in 3 min, final blow w as 2 3/4 inch
 45:IS-No blow back
 45:FF-Weak surface blow , built to 1/2 inch in 8 min, final blow w as 1 1/4 inch
 60:FS-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1868.95	95.49	Initial Hydro-static
1	20.78	95.18	Open To Flow (1)
31	62.47	96.28	Shut-In(1)
74	824.37	97.13	End Shut-In(1)
79	65.47	97.29	Open To Flow (2)
119	90.52	98.73	Shut-In(2)
179	596.87	99.44	End Shut-In(2)
195	1765.09	100.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
181.00	Mud 100%M	0.89

* 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

30-3s-26w Decatur,KS

115 S Belmont St #12 Witchita,KS 67218

Heilman Trust #1-30

Job Ticket: 68562

DST#: 4

ATTN: Larry Nicholson

Test Start: 2022.01.27 @ 18:05:00

Tool Information

Drill Pipe:	Length: 3464.00 ft	Diameter: 3.80 inches	Volume: 48.59 bbl	Tool Weight:	20000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 209.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	76000.00 lb
			<u>Total Volume:</u>	Tool Chased	ft
			- bbl	String Weight: Initial	61000.00 lb
Drill Pipe Above KB:	35.00 ft			Final	61000.00 lb
Depth to Top Packer:	3670.00 ft				
Depth to Bottom Packer:	ft				
Interval between Packers:	84.00 ft				
Tool Length:	116.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3643.00	
Hydraulic tool	5.00			3648.00	
Jars	5.00			3653.00	
EM Tool	4.00			3657.00	
Safety Joint	3.00			3660.00	
Packer	5.00			3665.00	32.00 Bottom Of Top Packer
Packer	5.00			3670.00	
Stubb	1.00			3671.00	
Recorder	0.00	8353	Inside	3671.00	
Recorder	0.00	8676	Outside	3671.00	
Perforations	15.00			3686.00	
Change Over Sub	1.00			3687.00	
Blank Spacing	63.00			3750.00	
Change Over Sub	1.00			3751.00	
Bullnose	3.00			3754.00	84.00 Bottom Packers & Anchor

Total Tool Length: 116.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

30-3s-26w Decatur,KS

115 S Belmont St #12 Witchita,KS 67218

Heilman Trust #1-30

Job Ticket: 68562

DST#: 4

ATTN: Larry Nicholson

Test Start: 2022.01.27 @ 18:05:00

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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
181.00	Mud 100%M	0.890

Total Length: 181.00 ft Total Volume: 0.890 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

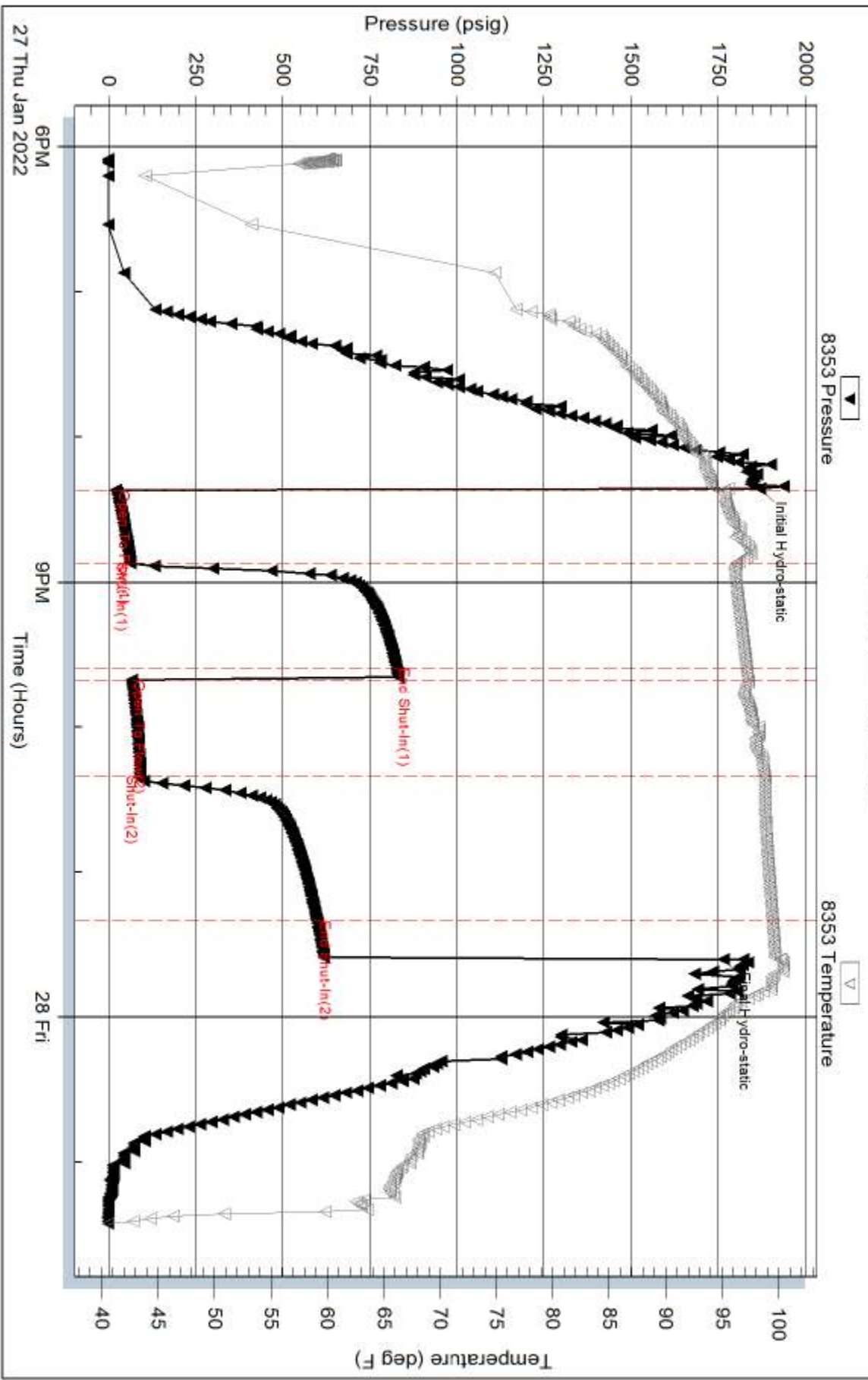
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

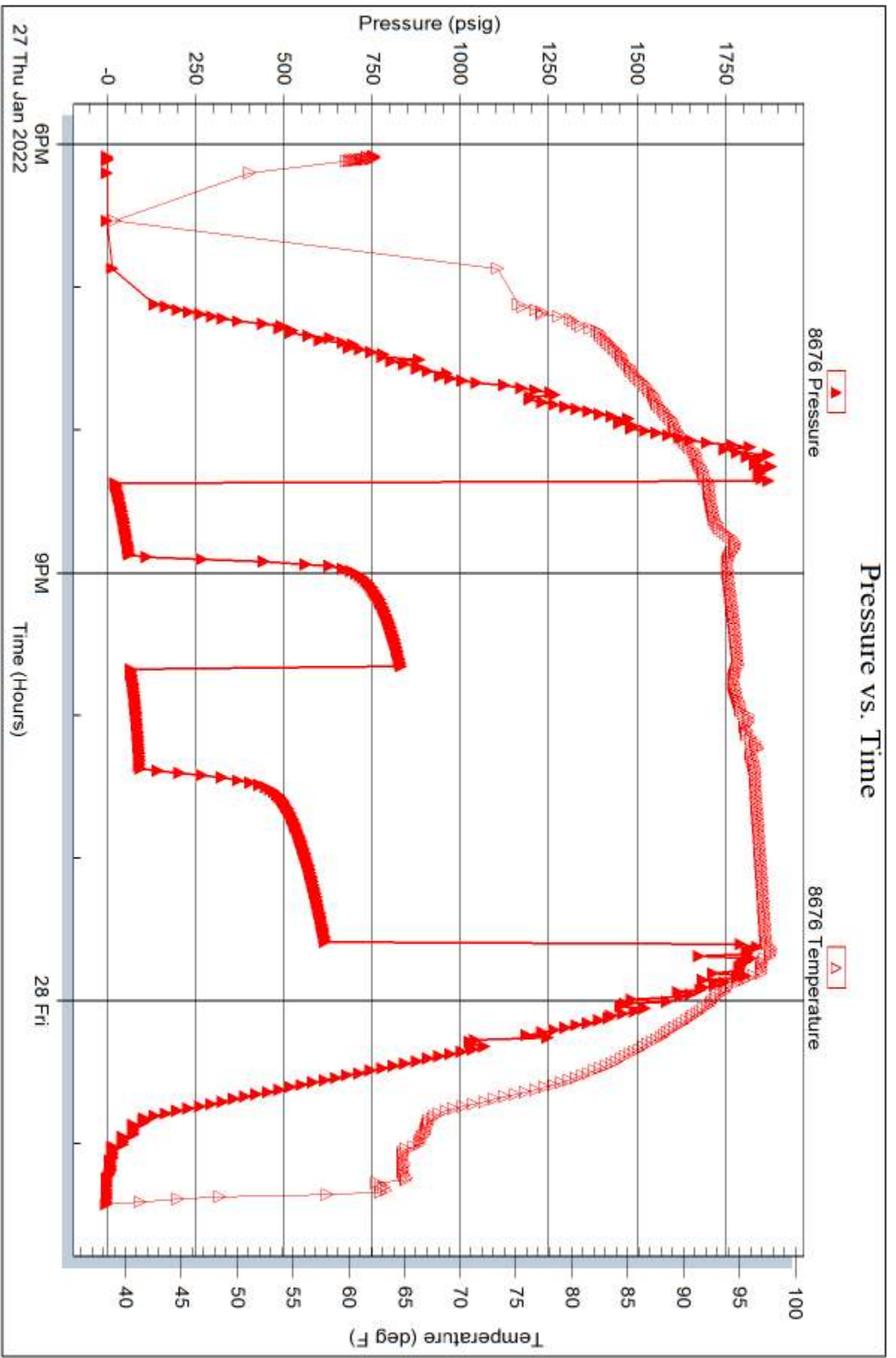


Serial #: 8676

Outside Cobalt Energy LLC

Heliman Trust #1-30

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 68562

Printed: 2022.01.28 @ 11:18:43



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68559

Well Name & No. Heilman Trust #1-30 Test No. 1 Date 1/24/22
 Company Cobalt Energy LLC Elevation 2595 KB 2590 GL
 Address 115 S Belmont St #12 Wichita, KS 67218
 Co. Rep / Geo. Larry Nicholson Rig Murfin #7
 Location: Sec. 30 Twp 35 Rge. 26W Co. Decatur State KO

Interval Tested 3395-3424 Zone Tested Topeka (upper)
 Anchor Length 29 Drill Pipe Run 3148.41 Mud Wt. 8.7
 Top Packer Depth 3390 Drill Collars Run 239.59 Vis 57
 Bottom Packer Depth 3395 Wt. Pipe Run _____ WL 6.4
 Total Depth 3424 Chlorides 1200 ppm System LCM 2
 Blow Description IF - Good surface blow, built to 2.33 inches, Final blow was 2.0
ISI - No blow back
FF - weak surface blow, built to 2.44 inches in 5 min, Final blow was 7.9
FSI - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>94</u>	<u>MW</u>		<u>98</u>	<u>2</u>	
<u>239</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud
Rec _____	Feet of _____	%gas	%oil	%water	%mud

Rec Total 334 BHT 100 Gravity _____ API RW 268 @ 21 °F Chlorides 70,000 ppm

(A) Initial Hydrostatic <u>1688.36</u>	<input checked="" type="checkbox"/> Test <u>1300</u>	T-On Location <u>15:00</u>
(B) First Initial Flow <u>23.24</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>17:45</u>
(C) First Final Flow <u>129.84</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>19:55</u>
(D) Initial Shut-In <u>1104.62</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>22:15</u>
(E) Second Initial Flow <u>133.50</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>00:30</u>
(F) Second Final Flow <u>172.56</u>	<input checked="" type="checkbox"/> Mileage <u>36 RT</u> ⁴⁵	Comments _____
(G) Final Shut-In <u>1107.85</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1650.91</u>	<input type="checkbox"/> Straddle _____	<input checked="" type="checkbox"/> EM Tool <u>350</u>
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>350</u>
	<input type="checkbox"/> Accessibility _____	Total <u>2270</u>
	Sub Total <u>1920</u>	MP/DST Disc _____

Approved By _____ Our Representative [Signature]

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TRIBOLITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **68560**

Well Name & No. Heilman Trust #1-30 Test No. 2 Date 1/25/22
 Company Cobalt Energy LLC Elevation 2595 KB 2590 GL
 Address 115 S Belmont St #12 Wichita, KS 67218
 Co. Rep / Geo. Larry Nicholson Rig Murfin #4
 Location: Sec. 30 Twp 3S Rge. 26W Co. Deerstar State KS

Interval Tested 3530 - 3585 Zone Tested Toronto - Lansing
 Anchor Length 55 Drill Pipe Run 3274 Mud Wt. 9.0
 Top Packer Depth 3525 Drill Collars Run 239.59 Vis 63
 Bottom Packer Depth 3530 Wt. Pipe Run _____ WL 80
 Total Depth 3585 Chlorides 3000 ppm System LCM 2

Blow Description IF - Weak Surface blow, built to 1/2 inch in 5 min, died to surface
ISI - No blow back
FF - Weak Surface blow, built to 1/2 inch in 13 min, Final blow was 2 1/2
FSI - No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>Mud</u>			<u>100</u>	
<u>239</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
____	____				
____	____				
____	____				

Rec Total 301 BHT 102 Gravity _____ API RW .513 @ 20 °F Chlorides 54,000 ppm

(A) Initial Hydrostatic 1800.51 Test 1300 T-On Location 16:15
 (B) First Initial Flow 22.27 Jars 250 T-Started 19:50
 (C) First Final Flow 103.96 Safety Joint 75 T-Open 21:54
 (D) Initial Shut-In 1179.16 Circ Sub _____ T-Pulled 00:27
 (E) Second Initial Flow 119.64 Hourly Standby _____ T-Out 02:15
 (F) Second Final Flow 156.95 Mileage 36 RT 45 Comments Using Diesel
 (G) Final Shut-In 1152.19 Sampler _____ for blow bucket
 (H) Final Hydrostatic 1697.92 Straddle _____
 Shale Packer 250 EM Tool 350 NS
 Extra Packer _____ Ruined Shale Packer _____
 Extra Recorder _____ Ruined Packer _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1920
 Sub Total 1920 MP/DST Disc _____

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

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **68561**

Well Name & No. Heilman Trust #1-30 Test No. 3 Date 1/26/22
 Company Cobalt Energy LLC Elevation 2595 KB 2590 GL
 Address 115 S Belmont St #12 Wichita, KS 67218
 Co. Rep / Geo. Larry Nicholson Rig Murfin #7
 Location: Sec. 30 Twp 3S Rge. 26W Co. Decatur State KS

Interval Tested 3587 - 3617 Zone Tested LKC C-D
 Anchor Length 30 Drill Pipe Run 3368 Mud Wt. 9.6
 Top Packer Depth 3582 Drill Collars Run 209 Vis 59
 Bottom Packer Depth 3587 Wt. Pipe Run _____ WL 8.8
 Total Depth 3617 Chlorides 3300 ppm System LCM 2

Blow Description IF - Good surface blow, built to 2 1/2 inch in 5 min, BOB in 22 min
ISI - Weak surface blow, built to 1/2 inch in 5 min, Final blow is 3/4 inch
FF - Good surface blow, built to 4 inch in 5 min, BOB in 15 min
FSI - Weak surface blow, built to 1/2 inch in 3 min, Final blow is 1 1/4 inch

Rec	Feet of	%gas	%oil	%water	%mud
<u>20'</u>	<u>CO</u>	<u>100</u>			
<u>221'</u>	<u>SGMCW</u>	<u>2</u>	<u>96</u>	<u>2</u>	
<u>209'</u>	<u>MW</u>		<u>95</u>	<u>5</u>	
<u>0'</u>	<u>GIP 252'</u>				
<u>450'</u>	<u>BHT 105</u>	<u>32 @ 60</u>	<u>169 @ 60</u>	<u>53000</u>	

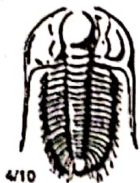
- (A) Initial Hydrostatic 1830
- (B) First Initial Flow 49
- (C) First Final Flow 147
- (D) Initial Shut-In 971
- (E) Second Initial Flow 156
- (F) Second Final Flow 200
- (G) Final Shut-In 942
- (H) Final Hydrostatic 1752

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 60

- Test 1300
- Jars 250
- Safety Joint 75
- Circ Sub _____
- Hourly Standby _____
- Mileage 36 RT 45
- Sampler _____
- Straddle _____
- Shale Packer 250
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1920

T-On Location 11:45
 T-Started 13:35
 T-Open 15:43
 T-Pulled 18:34
 T-Out 21:15
 Comments Using diesel for blow bucket
 EM Tool 350
 Ruined Shala Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 350
 Total 2270
 MP/DST Disc'l _____

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68562

Well Name & No. Heilman Trust #1-30 Test No. 4 Date 1/27/22
 Company Cobalt Energy LLC Elevation 2595 KB 2590 GL
 Address 115 S Belmont St #12 Wichita, KS 67218
 Co. Rep / Geo. Larry Nicholson Rig Murfin #7
 Location: Sec. 30 Twp 35 Rge. 26W Co. Douglas State KS

Interval Tested 3670-3754 Zone Tested LKC H, J, K
 Anchor Length 84 Drill Pipe Run 3464 Mud Wt. 9.3
 Top Packer Depth 3665 Drill Collars Run 209 Vis 53
 Bottom Packer Depth 3670 Wt. Pipe Run - WL 8
 Total Depth 3754 Chlorides 3000 ppm System LCM 3

Blow Description IF-Weak surface blow, built to 1' inch 3min, Final blow 2 3/4 inch
ISI- No blow back
FF-Weak surface blow, built to 1/2 inch in 8min, Final blow 1 1/4 inch
FBI- No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>181'</u>	<u>Mud</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 181 BHT 100 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1869
 (B) First Initial Flow 21
 (C) First Final Flow 62
 (D) Initial Shut-In 824
 (E) Second Initial Flow 65
 (F) Second Final Flow 91
 (G) Final Shut-In 596
 (H) Final Hydrostatic 1765

Test 1300
 Jars 250
 Safety Joint 75
 Circ Sub
 Hourly Standby
 Mileage 36 RT 45
 Sampler
 Straddle
 Shale Packer 250
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1920

T-On Location 13:00
 T-Started 18:05
 T-Open 20:22
 T-Pulled 23:20
 T-Out 01:20

Comments Used diesel for blow bucket

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

EM Tool 350 NS
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1920
 MP/DST Disc't

Approved By _____ Our Representative [Signature]

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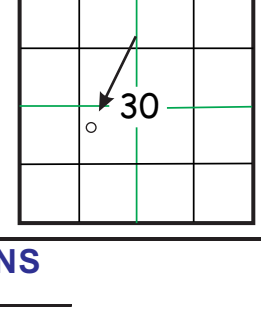
GEOLOGICAL REPORT FINAL

Larry A. Nicholson

NAD 83
39.66187434
-101.46684032

COMPANY & WELL Cobalt Energy, Heilman Trust #1-30
LOCATION 2093' FSL 1596' FWL SW NW NE SW
SEC 30 TWP 03S RGE 26W
COUNTY Decatur STATE Ks

COMPANY **Cobalt Energy, LLC**
LEASE # **15-039-21276** FIELD **NA**
API # **Heilman Trust** WELL # **#1-30**
LOCATION **SW NW NE SW**
SURVEY **2093' FSL 1596' FWL**
SECTION **30** TWP **03S** RGE **26W**
COUNTY **Decatur** STATE **Kansas**



CONTRACTOR **Murfin** Rig # **Z**
SPUD **01-21-22 10:30 am** COMP
RTD **3830 10:43 am 01-28-22** LTD **3828**
MUD UP AT **4016-3038**
MUD TYPE **Chemical, Mud-Co Reid Atkin**

ELEVATIONS
K.B. **2595**
D.F.
G.L. **2590**
All measurements from K.B. **2595**

SAMPLES SAVED FROM **3200** TO **RTD**
DRILLING TIME FROM **3300** TO **RTD**
SAMPLES EXAMINED FROM **3300** TO **RTD**
GEOLOGICAL SUPERVISION FROM **3300** TO **RTD**
WELLSITE GEOLOGIST **Larry A. Nicholson**

CASING RECORD
Conductor of _____ w/ _____ sx
Surface **248** of **8 5/8** w/ **200** sx
Production of _____ w/ _____ sx
Drig Supervision _____

ELECTRICAL SURVEYS Midwest: Dual, Den, Neu, Micro

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELEC LOG TOPS	SUBSEA DATUM	REFERENCE WELL	
					A	B
Anhydrite			2175	+419		
B/Anhydrite			2206	+388		
Topeka			3361	-767		
Heebner			3529	-935		
Toronto			3558	-964		
Lansing			3574	-980		
Stark			3724	-1130		
BKC			3770	-1176		
RTD			3830	-1236		
LTD			3828	-1234		

REFERENCE WELLS
A: _____
B: _____

LAN 7/92, Modified 5/05, 11/11, 4/12, 4/18, 4/18 1 inch=25.4mm 8.5 x 9.75 216 mm x 2460 mm

DRILLSTEM TEST SUMMARY :

REMARKS & RECOMMENDATIONS:

Dst #1 3395-3424 (Upp Topeka) 45 60 45 90 IF:23-129 FF:133-172 SI:1104-1107
Total Rec 334' 239 MW (95W 5M) 94 MW (98W 2M) IF built to 2.33 INR
FF built to 7.84' INR, BHT 100, RW, 368 @ 21, CL 70,000 ppm

Dst #2 3530-3585 (Tor-Lans) 30 45 30 45 IF:22-114 FF:119-157 SI:1179-1152
Total Rec 301' IF built to 12" INR (valve o FF built to 2.14' INR (100M)
239' MW (95W 5M) BHT 102, RW, 513 @ 20, 54,000 ppm

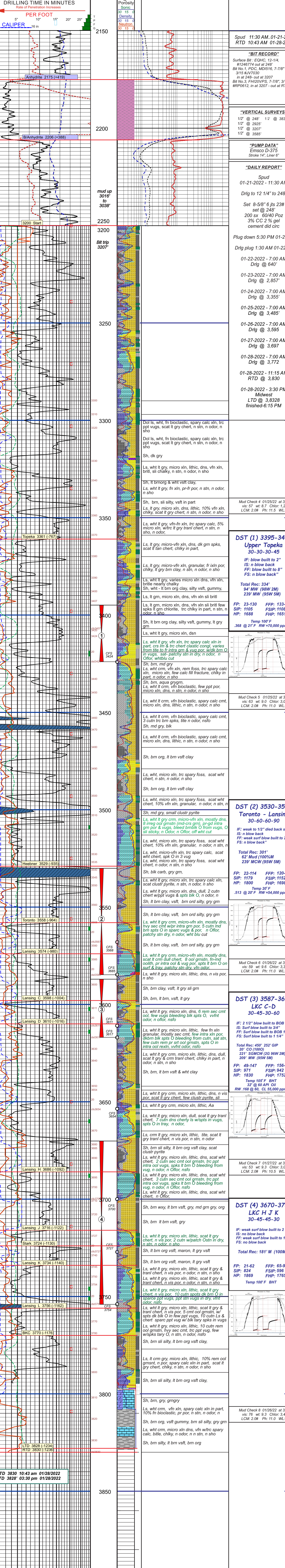
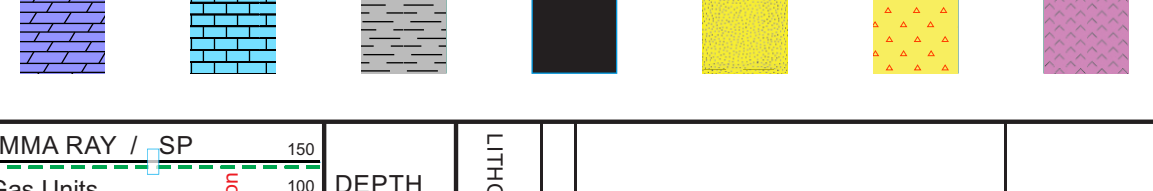
Dst #3 3587-3617 (LKC C-D) 30 45 30 60 IF:49-147 FF:156-200 SI:971-942
Total Rec 450' 252' GIP IF surf blow to BOB 22'R 3/4" FF built to BOB 15' R 1 1/4"
20' CO 221' SGM CW (96W 2M) 209' MW (95W 5M) BHT 105, 32 Grav @ 60,
RW, 169 @ 60, CL 55,000 ppm

Dst #4 3670-3754 (LKC H J K) 30 45 45 60 IF:21-62 FF:65-91 SI:824-596
Total Rec 181' Mud (100M) IF surf blow built 2 3/4" INR FF surf blow built 1 1/4" INR
BHT 100

Based on weak sample shows and dst results
the well was P&A

Note ROP & Dsts are 2 feet low to the Elog.

LEGEND



COMPANY **Cobalt Energy, LLC** **ELEVATIONS**
LEASE **Heilman Trust #1-30 SW NW NE SW** K.B. **2595**
LOCATION **2093' FSL 1596' FWL SEC. 30 TWP 03S RGE 26W** D.F.
COUNTY **Decatur** STATE **Ks** G.L. **2590**
All measurements from K.B. **2595**





CEMENT TREATMENT REPORT

Customer:	Cobalt Energy	Well:	Heilman Trust #1-30	Ticket:	WP 2339
City, State:		County:	Decatur KS	Date:	1/21/2022
Field Rep:		S-T-R:	30-3S-26W	Service:	Surface

Downhole Information	
Hole Size:	12.25 in
Hole Depth:	248 ft
Casing Size:	8 5/8 in
Casing Depth:	245 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Depth:	ft
Displacement:	15.5 bbls

Calculated Slurry - Lead	
Blend:	H-325
Weight:	14.8 ppg
Water / Sx:	6.9 gal / sx
Yield:	1.41 ft ³ / sx
Annular Bbls / Ft.:	0.0735 bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	125%
Total Slurry:	50.2 bbls
Total Sacks:	200 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	BBLs	TOTAL BBLs	REMARKS
430p			-	-	Arrived on location
435p				-	Safety meeting
440p				-	Rig up
500p	4.5	275.0	5.0	5.0	Pumped water ahead
505p	4.8	350.0	50.2	55.2	Cement 14.8 ppg
517p	3.0	200.0	15.5	70.7	Displace H2O
525p				70.7	Plug down/shut in
530p				70.7	Wash up
550p				70.7	Rig down
610p				70.7	Leave location
				70.7	

CREW		UNIT		SUMMARY		
Cementer:	Jimmie/John	914		Average Rate	Average Pressure	Total Fluid
Pump Operator:	Kale	208		4.1 bpm	275 psi	71 bbls
Bulk #1:	Jose	194/235				
Bulk #2:						

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



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

Dwight D. Keen, Chair
Susan K. Duffy, Commissioner
Andrew J. French, Commissioner

Laura Kelly, Governor

June 08, 2022

Nicholas Hess
Cobalt Energy LLC
125 N MARKET ST STE 1725
WICHITA, KS 67202-1717

Re: ACO-1
API 15-039-21276-00-00
HEILMAN TRUST 1-30
SW/4 Sec.30-03S-26W
Decatur County, Kansas

Dear Nicholas 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 1/21/2022 and the ACO-1 was received on June 08, 2022 (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