

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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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 1057
 LOCATION Hoxie
 FOREMAN Jack

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-2-23	34579	Busse Unit 1-27	27	4	37	Cheyenne
CUSTOMER Cobalt Energy LLC			TRUCK #			
MAILING ADDRESS 125 N Market St Ste 1775			DRIVER			
CITY Wichita		STATE KS	ZIP CODE 67202		TRUCK #	
			DRIVER			
			103			
			201			

JOB TYPE PTA HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting then set up on Muffin 110. Plugged as ordered.

- 1) 50 sk @ 3200'
- 2) 100 sk @ 2200'
- 3) 50 sk @ 400'
- 4) 70 sk @ 40' & 30 sk RH

Thank you!

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PCOS	1	PUMP CHARGE PTA	\$1500.00	\$1500.00
MILE	84	MILEAGE	\$6.50	\$546.00
MISC	10.68 hrs	TMD	\$1345.68	\$1345.68
C.B.O.I.D	240 sk	60/40 54 gal 1/4" Standard	\$17.35	\$4,164.00
FEOS	1	8 3/8" wooden plug	\$165.00	\$165.00
			sub total	\$7,720.68
			less 5% disc.	\$386.03
			sub total	\$7,334.65
			SALES TAX	349.57
			ESTIMATED TOTAL	7684.22

AUTHORIZATION [Signature] TITLE _____ DATE 9-2-23

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.



416 Main Street
 P.O. Box 225
 Victoria, KS 67671

Office (785) 639-3949
 24 Hour Service Line (785) 639-7269

Invoice

Date	Invoice #
8/25/2023	1047

Please Pay from this Invoice
 Remit Payment to:
 416 Main Street PO BOX 225
 Victoria, KS 67671
 Billing Questions-Call Tamara at
 (785) 639-3949
 Email: franksoilfield@yahoo.com

KCC License Number
 35469

Bill To
Cobalt Energy, LLC 125 N Market Suite 1725 Wichita, KS 67202

County/State	Lease/Well#	Terms	Job Type
Cheyenne County, KS	Basse Unit #1-27	Net 30	Surface

Description	Quantity	Rate	Amount
Pump Charge	1	1,150.00	1,150.00
Mileage	80	6.50	520.00
11.01 tons at 80 miles	880.8	1.50	1,321.20
Surface Blend	225	25.50	5,737.50
Discount		-436.43	-436.43

Thank You!

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.

Subtotal \$8,292.27

We appreciate your business and look forward to serving you again!

Sales Tax (8.5%) \$463.30

Balance Due \$8,755.57

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 1047

LOCATION HOLLY

FOREMAN Tam Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-26-23	34529	Bussle Unit 1-27	27	4	32	Cherokee
CUSTOMER <u>Coltate Energy</u>			TRUCK #		DRIVER	
MAILING ADDRESS			103		Tam W	
CITY			201		Chris K	
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 344' CASING SIZE & WEIGHT 6 5/8" 23#
 CASING DEPTH 344' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Surface cementing & set up on Martin 110" Circulate mud
with 220# surface head & displaced 20 Bbl & shut in 1:00 am
Cement did circulate

Thanks Tam & Chris

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
P1002	1	PUMP CHARGE <u>Surface</u>	\$1150 ⁰⁰	\$1150 ⁰⁰
M001	80	MILEAGE	\$1.50	\$120 ⁰⁰
M009	4.01 tons	Ton Mileage Delivery	\$1,321 ²⁰	\$1,321 ²⁰
CB004	2.25	Case 39ale 20 gal	\$25 ⁵⁰	\$5,757 ⁵⁰
			sub total	\$8,778 ⁷⁰
			less 5% disc.	\$431.43
			sub total	\$8,292 ²⁷
			SALES TAX	463.30
			ESTIMATED TOTAL	8755.57

AUTHORIZATION Ar 7/16 TITLE _____ DATE 8-26-23

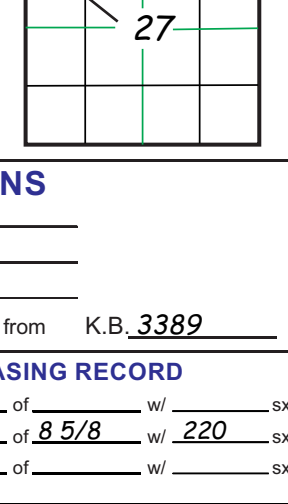
I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

GEOLOGICAL REPORT FINAL

Larry A. Nicholson

NAD 27
39.681478
-101.466646

COMPANY Cobalt Energy, LLC FIELD #
LEASE # Busse Unit WELL # #1-27
LOCATION SW SW NW NW
SURVEY 1059 FNL & 278 FWL
SECTION 27 TWP 4S RGE 37W
COUNTY Cheyenne STATE Kansas



CONTRACTOR Murfin Rig # 110
SPUD 8-23-23 6:00 pm COMP. K.B. 3390
RTD 5:045 4:30 am 09-02-23 LTD 5:47 D.F. 3385
MUD UP AT 4:30 G.L. 3385
MUD TYPE Chemical Mud-Co Reid Atkin All measurements from K.B. 3389

SAMPLES SAVED FROM 4000 TO RTD CASING RECORD
DRILLING TIME FROM 4000 TO RTD Conductor of wf in ft
SAMPLES EXAMINED FROM 4000 TO RTD Surface 344 of 8.5/8 wf 220 in ft
GEOLOGICAL SUPERVISION FROM 4000 TO RTD Production of wf in ft
WELLSITE GEOLOGIST LARRY A. NICHOLSON Drig Supervision

ELECTRICAL SURVEYS Dual Den Micro

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELEC LOG TOPS	SUBSEA DATUM	REFERENCE WELL
Anhydrite			3148	-242	
Heebner			4238	-242	
Lansing			4258	-242	
Muncie Creek			4418	-1023	
LANS 7			4474	-1084	
BKC			4568	-1178	
Pawnee			4678	-1288	
Myrick Station			4705	-1315	
Fort Scott			4731	-1341	
Cherokee			4758	-1368	
Mississippian			4982	-1592	
RTD			5045	-1655	
LTD			5045	-1655	

REFERENCE WELLS A: B:

LAN 792, Modified 505, 11/11, 4/12, 4/18 1inch=25.4mm 8.5 x 9.5 216 mm x 2460 mm

DRILLSTEM TEST SUMMARY :

Dst #1 3553-3578 (Pawnee) 30 30 30 30 IF 18-19 FF 18-20 S327-25
Rec: 1' mud/10' sps IF surf died 10 min, net FF blow, n return
BHT 137F

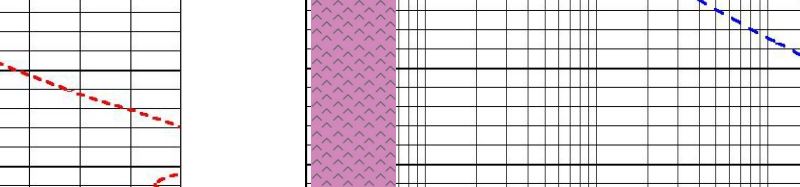
Dst #2 4886-4773 (Myrick) 30 30 30 30 IF 22-27 FF 28-31 S1802-390
Rec: 5' mud/10' sps, 118 CPT IF surf 14', n ret FF n blow, n return
BHT 134F

REMARKS & RECOMMENDATIONS:

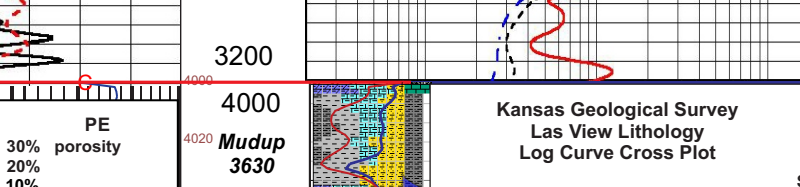
Based on absents of shows in sample
Dst and Dst results, the well was P&A

Note problem with AutoDriller plugging
affected some correlations.

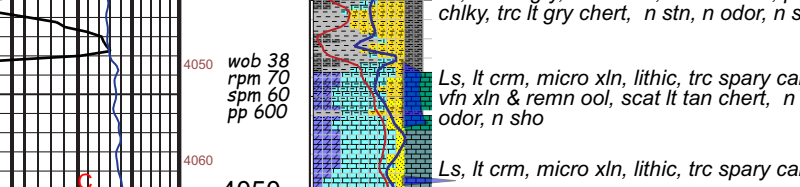
LEGEND



GAMMA RAY / SP



DEPTH



SAMPLE DESCRIPTIONS

3100
3150
3200
4000
4050
4100
4150
4200
4228
4250
4300
4350
4400
4450
4500
4550
4600
4650
4700
4750
4800
4850
4900
4950
5000
5050
5100

REMARKS

Spud 6:00 AM 08-25-2023
RTD 4:30 AM 09-02-2023

"BIT RECORD"

Surface Bit HTC B370X, 7.78" 3-15, see R9810, surf 344
Bit No 1 Smith MDS16, 7.78" 5-14
see JY157 in at 348 out at 384
Bit No 2 Smith 2275, 7.78" 3-15
see RP3701 in at 384 out at RTD

"VERTICAL SURVEYS"

50' @ 344'
75' @ 3884'
1.00' @ 4688'
75' @ 5045'

"PUMP DATA"

Emasco D-375
Stroke 14" Line 4"
62 38k/min
345 GAL/min 8.2 BBL/min

"DAILY REPORT"

08-25-2023 - 6:00 PM Spud
08-26-2023 - 12:14" to 344"
Set new log 8-5/8" 23# seal @ 344"
220 sc x cm Surf Blend

Plug plug 1:15 am 08-26-23
circulate 50bl, Franks
Drig plug 9:15 am 08-26-23
08-27-2023 - 7:00 AM Drig @ 820'
08-29-2023 - 7:00 AM Drig @ 4,175'
08-29-2023 - 7:00 AM Drig @ 3,650'
08-30-2023 - 7:00 AM Drig @ 4,688'
08-31-2023 - 7:00 AM Rigwrk @ 4,773'
09-01-2023 - 7:00 AM Drig @ 4,670'
09-02-2023 - 4:30 AM RTD up 10 stands
Circ 1.5 hrs
TOH for logs

09-02-2023 - 10:15 AM Drig up MidWest Wire LTD @ 5,045'
09-02-2023 - 12:30 PM Rig Down Loggers
Prepare to P&A

Mud Check 4 at 4,145'
vis: 54 wt 9.3 Chlor: 1,000
LCM: 28 Ph: 11.9 WL: 7.2

Total Strap 3864.28
Total Board 3864.02
Strap Short 0.26 ft Long

Mud Check 5 at 4,599'
vis: 54 wt 9.3 Chlor: 1,000
LCM: 28 Ph: 11.9 WL: 8.0

DST (1) 4666-4688

30-30-30-30
IF: surf blow died 10 min
FS: n return
FF: n blow
FUS: n return

Total Rec: 1' M w/O 18-20
FP: 18-19 FFF: 18-20
SIP: 27 FSP: 25
HP: 2384 FHP: 2389
BHT 137 F

DST (2) 4686-4773

30-30-30-30
IF: surf blow 1/4 in 10 min
IS: n return
FF: n blow
FUS: n return

Total Rec: 5' M w/O 29-31
FP: 22-27 FFF: 29-31
SIP: 602 FSP: 590
HP: 2425 FHP: 2370
BHT 137 F

DST (3) 4686-4773

30-30-30-30
IF: surf blow 1/4 in 10 min
IS: n return
FF: n blow
FUS: n return

Total Rec: 5' M w/O 29-31
FP: 22-27 FFF: 29-31
SIP: 602 FSP: 590
HP: 2425 FHP: 2370
BHT 137 F

Mud Check 7 at 4,773'

vis: 57 wt 9.3 Chlor: 1,000
LCM: 28 Ph: 10.9 WL: 6.0

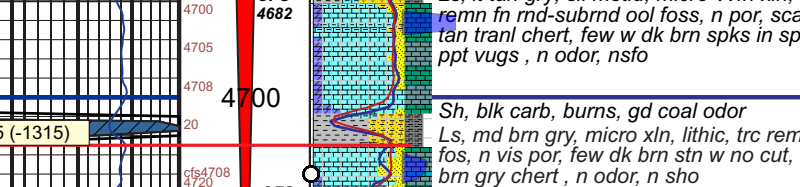
Mud Check 8 at 5,045'

vis: 54 wt 9.3 Chlor: 1,000
LCM: 28 Ph: 10.9 WL: 8.0

Wiper trip 10 stands TOH for Log

Total Strap 5055.88
Total Board 5055.31
Strap Short 1.57 ft Long

GAMMA RAY / SP



SAMPLE DESCRIPTIONS

4900
4950
5000
5050
5100

REMARKS

Mud Check 8 at 5,045'
vis: 54 wt 9.3 Chlor: 1,000
LCM: 28 Ph: 10.9 WL: 8.0

RTD 5:045 04:30 am 09/02/2023
LTD 5:047 10:00 am 09/02/2023

COMPANY Cobalt Energy, LLC FIELD #
LEASE # Busse Unit #1-27 SW SW NW NW WELL #
LOCATION 1059 FNL & 278 FWL SEC 27 TWP 4S RGE 37W
COUNTY Cheyenne STATE Ks All measurements from K.B. 3389



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy, LLC**

125 N. Market St. 1725,
Wichita, KS 67202

ATTN: Larry Nicholson

Busse Unit #1-27

27-4s-37w Cheyenne,KS

Start Date: 2023.08.31 @ 00:54:00

End Date: 2023.08.31 @ 08:04:00

Job Ticket #: 70297 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.09.01 @ 12:33:11



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy, LLC

27-4s-37w Cheyenne,KS

125 N. Market St. 1725,
Wichita, KS 67202

Busse Unit #1-27

ATTN: Larry Nicholson

Job Ticket: 70297

DST#: 1

Test Start: 2023.08.31 @ 00:54:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: 3390.00 ft (KB)

Time Tool Opened: 03:44:30

Time Test Ended: 08:04:00

Test Type: Conventional Bottom Hole (Initial)

Tester: David Urban

Unit No: 67

Interval: 4660.00 ft (KB) To 4688.00 ft (KB) (TVD)

Reference Elevations: 3390.00 ft (KB)

Total Depth: 4688.00 ft (KB) (TVD)

3385.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8677 Outside

Press@RunDepth: 19.50 psig @ 4661.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.08.31

End Date:

2023.08.31

Last Calib.: 2023.08.31

Start Time: 00:54:05

End Time:

08:03:59

Time On Btm: 2023.08.31 @ 03:44:00

Time Off Btm: 2023.08.31 @ 05:45:30

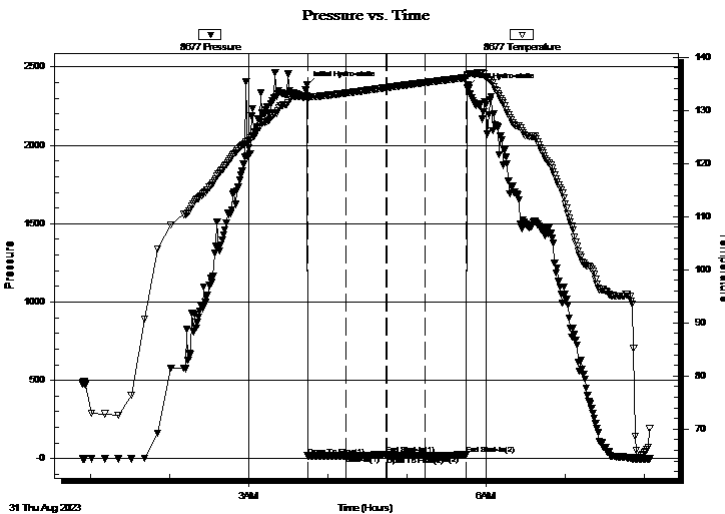
TEST COMMENT: IF- Weak surface blow , Died in 10 minutes.

IS- No return.

FF- No blow .

FS- No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2383.61	132.74	Initial Hydro-static
1	18.26	132.35	Open To Flow (1)
30	19.05	133.24	Shut-In(1)
60	26.66	134.24	End Shut-In(1)
61	17.66	134.26	Open To Flow (2)
90	19.50	135.22	Shut-In(2)
121	25.47	136.14	End Shut-In(2)
122	2368.65	136.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	M w /oil spots- 100%M	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy, LLC

27-4s-37w Cheyenne, KS

125 N. Market St. 1725,
Wichita, KS 67202

Busse Unit #1-27

Job Ticket: 70297

DST#: 1

ATTN: Larry Nicholson

Test Start: 2023.08.31 @ 00:54:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: 3390.00 ft (KB)

Time Tool Opened: 03:44:30

Time Test Ended: 08:04:00

Test Type: Conventional Bottom Hole (Initial)

Tester: David Urban

Unit No: 67

Interval: 4660.00 ft (KB) To 4688.00 ft (KB) (TVD)

Reference Elevations: 3390.00 ft (KB)

Total Depth: 4688.00 ft (KB) (TVD)

3385.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8018 Inside

Press@RunDepth: psig @ 4661.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.08.31

End Date:

2023.08.31

Last Calib.:

2023.08.31

Start Time: 00:54:05

End Time:

08:03:59

Time On Btm:

Time Off Btm:

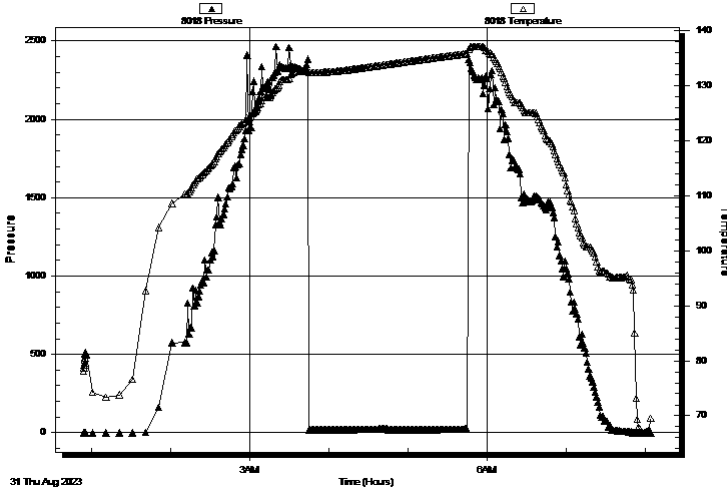
TEST COMMENT: IF- Weak surface blow , Died in 10 minutes.

IS- No return.

FF- No blow .

FS- No return.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1.00	M w /oil spots- 100%M	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy, LLC

27-4s-37w Cheyenne,KS

125 N. Market St. 1725,
Wichita, KS 67202

Busse Unit #1-27

Job Ticket: 70297

DST#: 1

ATTN: Larry Nicholson

Test Start: 2023.08.31 @ 00:54:00

Tool Information

Drill Pipe:	Length: 4487.00 ft	Diameter: 3.80 inches	Volume: 62.94 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose:	15000.00 lb
			<u>Total Volume: 63.81 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	36.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4660.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	28.00 ft				
Tool Length:	60.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00		Fluid	4629.00	
Shut In Tool	5.00			4634.00	
Hydraulic tool	5.00			4639.00	
Jars	5.00			4644.00	
EM Tool	4.00			4648.00	
Safety Joint	3.00			4651.00	
Packer	5.00			4656.00	32.00 Bottom Of Top Packer
Packer	4.00			4660.00	
Stubb	1.00			4661.00	
Recorder	0.00	8677	Outside	4661.00	
Recorder	0.00	8018	Inside	4661.00	
Perforations	24.00			4685.00	
Bullnose	3.00			4688.00	28.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy, LLC

27-4s-37w Cheyenne,KS

125 N. Market St. 1725,
Wichita, KS 67202

Busse Unit #1-27

Job Ticket: 70297

DST#: 1

ATTN: Larry Nicholson

Test Start: 2023.08.31 @ 00:54:00

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: 71.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	M w/oil spots- 100%M	0.005

Total Length: 1.00 ft Total Volume: bbl

Num Fluid Samples: 0

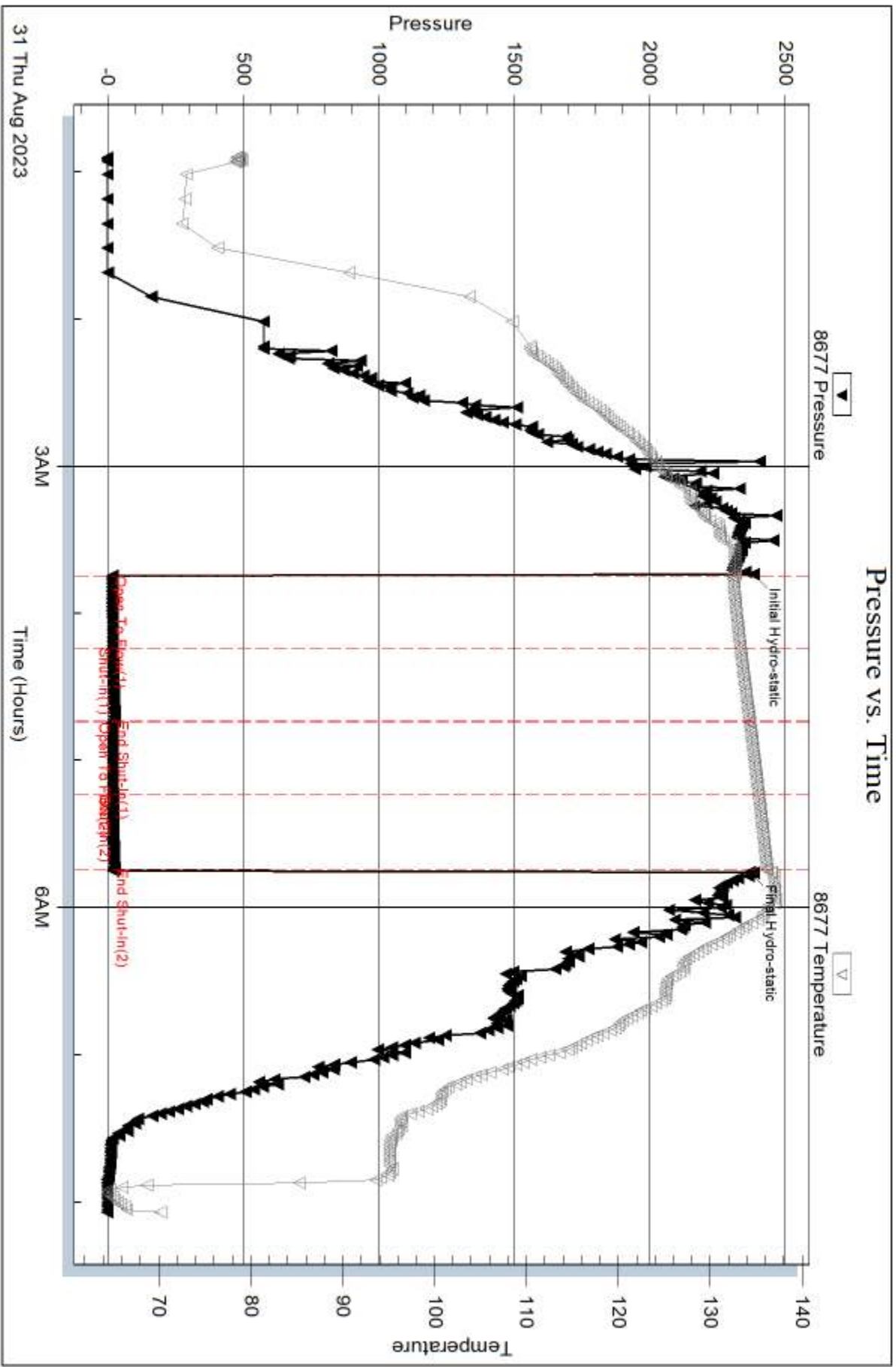
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM- 2#



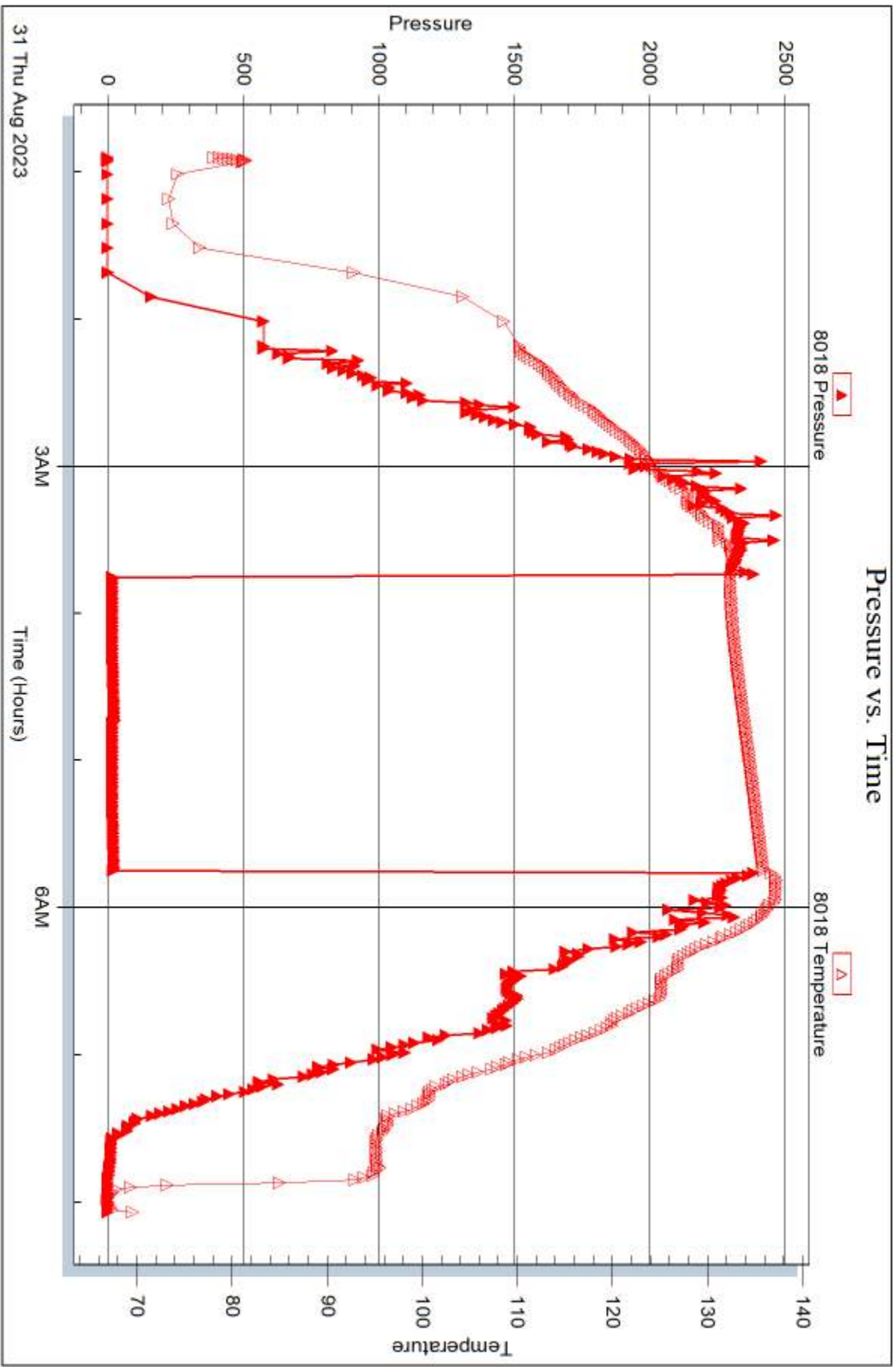
Serial #: 8018

Inside

Cobalt Energy, LLC

Busse Unit #1-27

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 70297

Printed: 2023.09.01 @ 12:33:11



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy, LLC**

125 N. Market St. 1725,
Wichita, KS 67202

ATTN: Larry Nicholson

Busse Unit #1-27

27-4s-37w Cheyenne,KS

Start Date: 2023.08.31 @ 22:10:00

End Date: 2023.09.01 @ 05:16:30

Job Ticket #: 70298 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.09.01 @ 12:31:16



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy, LLC

27-4s-37w Cheyenne, KS

125 N. Market St. 1725,
Wichita, KS 67202

Busse Unit #1-27

Job Ticket: 70298

DST#: 2

ATTN: Larry Nicholson

Test Start: 2023.08.31 @ 22:10:00

GENERAL INFORMATION:

Formation: **Myrick Station- Cher**

Deviated: No Whipstock: 3390.00 ft (KB)

Time Tool Opened: 00:38:00

Time Test Ended: 05:16:30

Test Type: Conventional Bottom Hole (Reset)

Tester: David Urban

Unit No: 67

Interval: 4686.00 ft (KB) To 4773.00 ft (KB) (TVD)

Reference Elevations: 3390.00 ft (KB)

Total Depth: 4773.00 ft (KB) (TVD)

3385.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8677 Outside

Press@RunDepth: 30.96 psig @ 4687.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2023.08.31 End Date: 2023.09.01

Last Calib.: 2023.09.01

Start Time: 22:10:05 End Time: 05:16:29

Time On Btm: 2023.09.01 @ 00:37:30

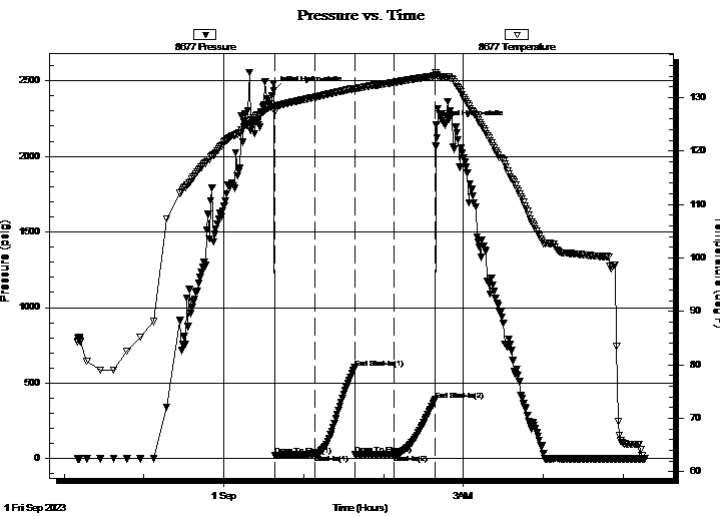
Time Off Btm: 2023.09.01 @ 02:39:30

TEST COMMENT: IF- Weak surface blow , Built to 1/4" in 10 minutes; Final 1/4".

IS- No return.

FF- No blow .

FS- No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2435.35	128.39	Initial Hydro-static
1	21.93	127.28	Open To Flow (1)
31	27.22	130.07	Shut-In(1)
61	602.21	131.72	End Shut-In(1)
61	28.56	131.54	Open To Flow (2)
91	30.96	132.85	Shut-In(2)
121	389.64	134.10	End Shut-In(2)
122	2210.01	134.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M w/oil spots- 100%M	0.02
0.00	118' G- 100%	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy, LLC

27-4s-37w Cheyenne, KS

125 N. Market St. 1725,
Wichita, KS 67202

Busse Unit #1-27

Job Ticket: 70298

DST#: 2

ATTN: Larry Nicholson

Test Start: 2023.08.31 @ 22:10:00

GENERAL INFORMATION:

Formation: **Myrick Station- Cher**

Deviated: No Whipstock: 3390.00 ft (KB)

Time Tool Opened: 00:38:00

Time Test Ended: 05:16:30

Test Type: Conventional Bottom Hole (Reset)

Tester: David Urban

Unit No: 67

Interval: **4686.00 ft (KB) To 4773.00 ft (KB) (TVD)**

Total Depth: 4773.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3390.00 ft (KB)

3385.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: psig @ 4687.00 ft (KB)

Start Date: 2023.08.31 End Date: 2023.09.01

Start Time: 22:10:05 End Time: 05:16:29

Capacity: 8000.00 psig

Last Calib.: 2023.09.01

Time On Btm:

Time Off Btm:

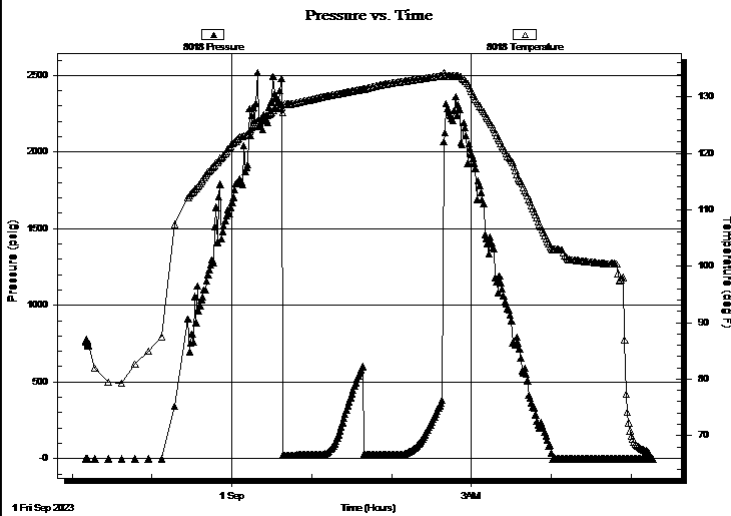
TEST COMMENT: IF- Weak surface blow , Built to 1/4" in 10 minutes; Final 1/4".

IS- No return.

FF- No blow .

FS- No return.

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M w/oil spots- 100%M	0.02
0.00	118' G- 100%	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy, LLC

27-4s-37w Cheyenne,KS

125 N. Market St. 1725,
Wichita, KS 67202

Busse Unit #1-27

Job Ticket: 70298

DST#: 2

ATTN: Larry Nicholson

Test Start: 2023.08.31 @ 22:10:00

Tool Information

Drill Pipe:	Length: 4487.00 ft	Diameter: 3.80 inches	Volume: 62.94 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 10000.00 lb
			<u>Total Volume: 63.81 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4686.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	87.00 ft			
Tool Length:	119.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00		Fluid	4655.00	
Shut In Tool	5.00			4660.00	
Hydraulic tool	5.00			4665.00	
Jars	5.00			4670.00	
EM Tool	4.00			4674.00	
Safety Joint	3.00			4677.00	
Packer	5.00			4682.00	32.00 Bottom Of Top Packer
Packer	4.00			4686.00	
Stubb	1.00			4687.00	
Recorder	0.00	8677	Outside	4687.00	
Recorder	0.00	8018	Inside	4687.00	
Perforations	18.00			4705.00	
Change Over Sub	1.00			4706.00	
Drill Pipe	63.00			4769.00	
Change Over Sub	1.00			4770.00	
Bullnose	3.00			4773.00	87.00 Bottom Packers & Anchor
Total Tool Length:	119.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy, LLC

27-4s-37w Cheyenne,KS

125 N. Market St. 1725,
Wichita, KS 67202

Busse Unit #1-27

Job Ticket: 70298

DST#: 2

ATTN: Larry Nicholson

Test Start: 2023.08.31 @ 22:10:00

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: 62.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	M w/oil spots- 100%M	0.025
0.00	118' G- 100%	0.000

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

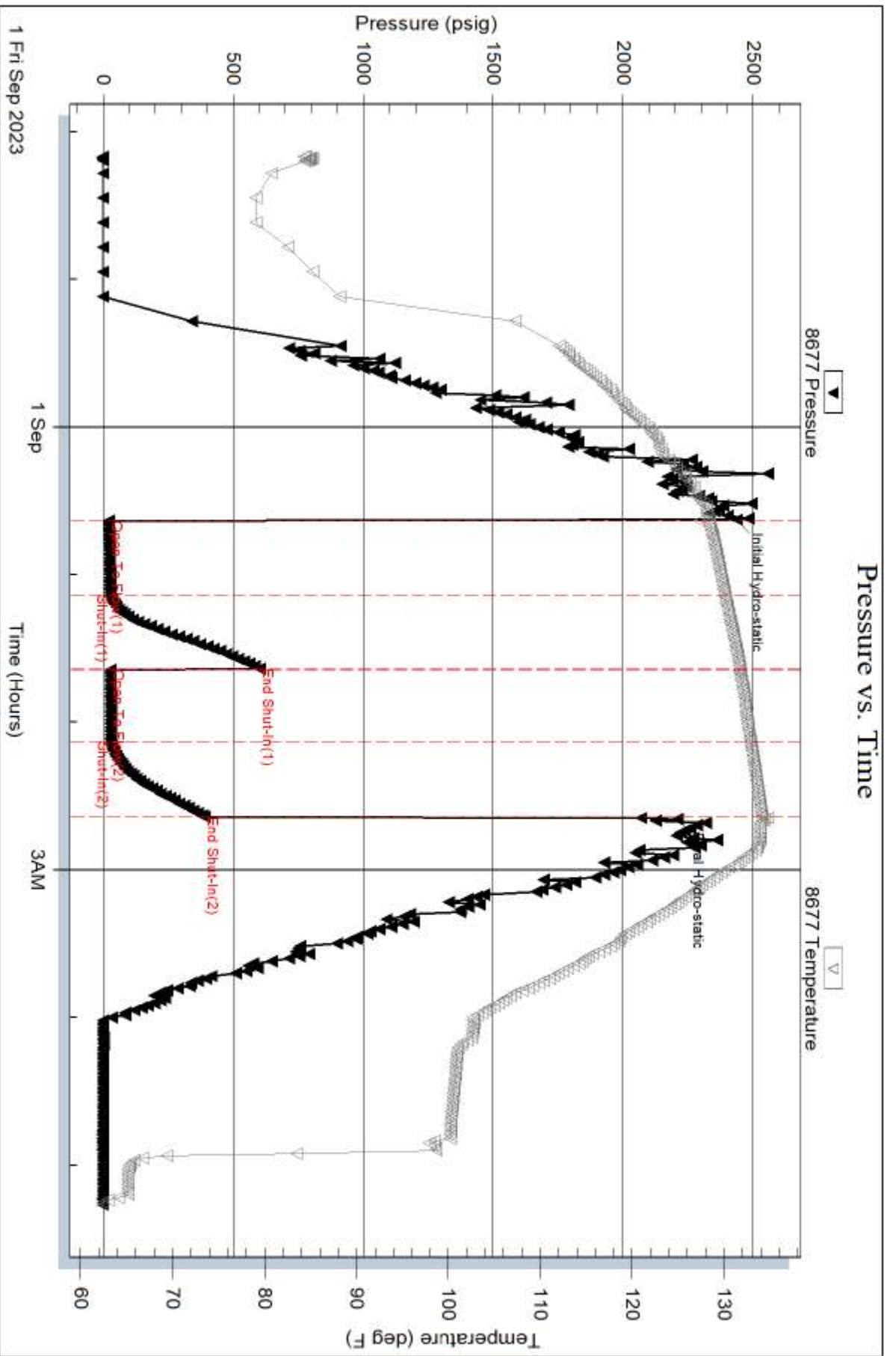
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM- 3#



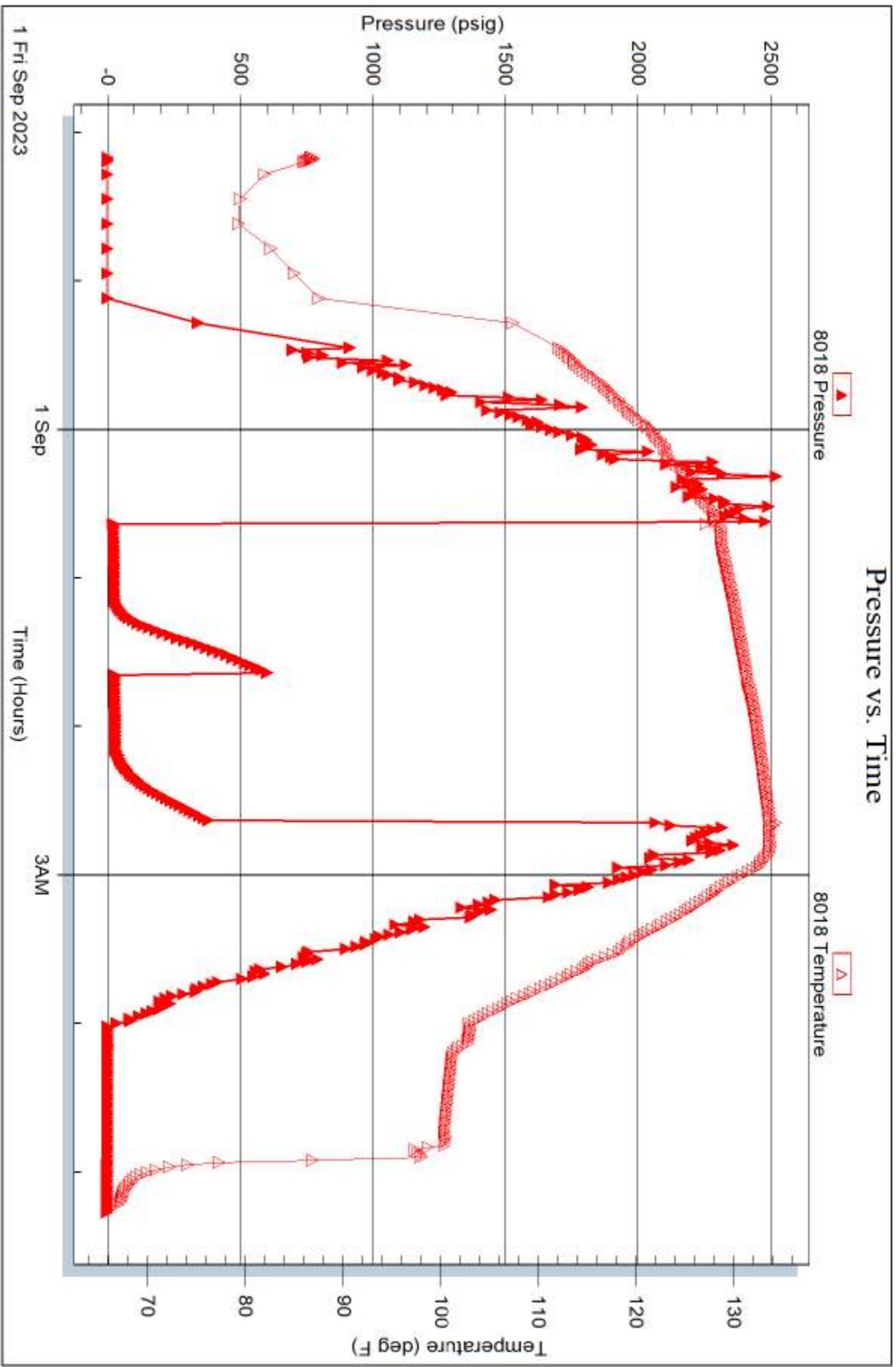
Serial #: 8018

Inside

Cobalt Energy, LLC

Busse Unit #1-27

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 70298

Printed: 2023.09.01 @ 12:31:17



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 70297

Well Name & No. Busse Unit #1-27 Test No. DST#1 Date 8/30/23
 Company Cobalt Energy, LLC Elevation 3390 KB 3385 GL
 Address 125 N. Market St. 1725 Wichita KS 67202
 Co. Rep / Geo Larry & Nicholson Rig Murphy Big 110
 Location: Sec. 27 Twp 4S Rge. 37W Co. Cheyenne State KS

Interval Tested ~~8160-4660~~ 4660-4688 Zone Tested Pawnee
 Anchor Length 28 Drill Pipe Run 4487 Mud Wt. 9.2
 Top Packer Depth 4655 Drill Collars Run 177 Vis 71
 Bottom Packer Depth 4660 Wt. Pipe Run 0.0 WL 8.0
 Total Depth 4688 Chlorides 1500 ppm System LCM 2#

Blow Description IF-weak surface blow, Died in 10 minutes.
IF- No return
FP- No blow
FSI- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>u/oil spots</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 1 BHT 137 Gravity — API RW —@ —*F Chlorides — ppm
 Initial Hydrostatic 2384 Test 1950 Ruined Shale Packer
 Initial Flow 18 to 19 Jars 300 Ruined Packer
 Initial Shut-In 27 Circ Sub Hotel
 Final Flow 18 to 20 Hourly Standby EM Tool Successful -350
 Final Shut-In 25 Mileage 122 RT Accessibility
 Final Hydrostatic 2369 Sampler 61mi 106.75 33mi 57.75 Gas Sample
 T- On Location 22:20 Straddle Sub Total -350
 Initial Flow 30 T-Started 00:54 8/31 Shale Packer Total 2064.50
 Initial Shut-In 30 T-Open 3:44 8/31 Extra Packer Tool Loaded @
 Final Flow 30 T-Pulled 5:44 8/31 Extra Recorder MP/DST Disc't
 Final Shut-In 30 T-Out 8:04 8/31 Day Standby

Comments _____

Approved By _____ Our Representative Paul

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. 70298

Well Name & No. Busse Unit #1-27 Test No. 2 Date 8/31/23
 Company Cobalt Energy, LLC Elevation 3390 KB 3385 GL
 Address 125 N Market St. 1725, Wichita, KS 67202
 Co. Rep / Geo Larry Nicholson Rig Murfin #110
 Location: Sec. 27 Twp 4s Rge. 37w Co. Cheyenne State KS

Interval Tested 4686-4733 Zone Tested Myrick Station - Cherokee Lm
 Anchor Length 87 Drill Pipe Run 4487 Mud Wt. 9.3
 Top Packer Depth 4681 Drill Collars Run 177 Vis 62
 Bottom Packer Depth 4686 Wt. Pipe Run 020 WL 8.0
 Total Depth 4773 Chlorides 1500 ppm System LCM 3#

Blow Description EF - weak surface blow, Built to 1/4 in 10 minutes; Final 1/4"
EST - No return.
EF - No blow
EST - No return.

Rec	Feet of	%gas	%oil	%water	%mud
5	Mudail spots			100	

Rec Total 5 / 118' Gas BHT 134°F Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 Initial Hydrostatic 2435 Test 1950 Ruined Shale Packer _____
 Initial Flow 22 to 27 Jars 300 Ruined Packer _____
 Initial Shut-In 602 Circ Sub _____ Hotel _____
 Final Flow 29 to 31 Hourly Standby _____ EM Tool Successful -350
 Final Shut-In 390 Mileage 66 RT Accessibility _____
 Final Hydrostatic 2210 Sampler 106.75 + 57.75 Gas Sample _____
 T- On Location 20:10 Straddle _____ Sub Total -350
 Initial Flow 30 T-Started 22:10 Shale Packer _____ Total 2064.50
 Initial Shut-In 30 T-Open 00:38 9/1 Extra Packer _____ Tool Loaded 8/31 @ 7:30
 Final Flow 30 T-Pulled 2:39 9/1 Extra Recorder _____ MP/DST Disc't _____
 Final Shut-In 30 T-Out 5:17 9/1 Day Standby _____
 Comments Loaded Tool after test.

Approved By _____ Our Representative Daph

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.

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 15-023-21632-00-00
BUSSE UNIT 1-27
NW/4 Sec.27-04S-37W
Cheyenne 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 8/25/2023 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