

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 Recompletion Date _____ 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**

125 N Market St.
STE1725 Wichita KS 67202

ATTN: Larry Nicholson

Braun Unit #1-21

21-10S-22W Graham,KS

Start Date: 2023.10.06 @ 18:38:00

End Date: 2023.10.07 @ 02:00:00

Job Ticket #: 71122 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2023.10.11 @ 14:15:16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC
125 N Market St.
STE1725 Wichita KS 67202
ATTN: Larry Nicholson

21-10S-22W Graham,KS

Braun Unit #1-21

Job Ticket: 71122 **DST#: 1**
Test Start: 2023.10.06 @ 18:38:00

GENERAL INFORMATION:

Formation: **LKC 'C-F'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:00:00
Time Test Ended: 02:00:00
Interval: **3610.00 ft (KB) To 3683.00 ft (KB) (TVD)**
Total Depth: 3683.00 ft (KB) (TVD)
Hole Diameter: 7.79 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Richie Samora
Unit No: 66
Reference Elevations: 2319.00 ft (KB)
2316.00 ft (CF)
KB to GR/CF: 3.00 ft

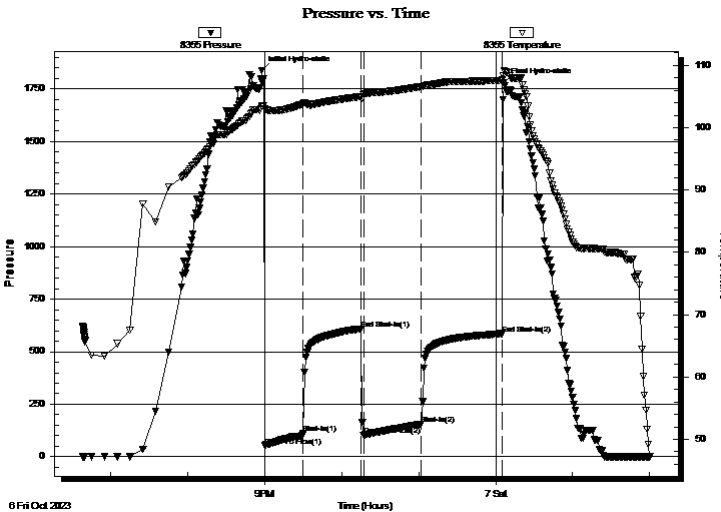
Serial #: 8355

Inside

Press@RunDepth: 155.28 psig @ 3660.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2023.10.06 End Date: 2023.10.07 Last Calib.: 1899.12.30
Start Time: 18:38:05 End Time: 01:59:59 Time On Btm: 2023.10.06 @ 20:57:30
Time Off Btm: 2023.10.07 @ 00:06:30

TEST COMMENT: 30-IF: Fair blow BOB in 29 minutes built to 12.5"
45-ISI: No blow back
45-FF: Fair blow BOB in 41 minutes reached 13.27"
60-FSI: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1838.38	103.36	Initial Hydro-static
3	51.28	103.06	Open To Flow (1)
33	109.40	103.83	Shut-In(1)
78	608.67	105.01	End Shut-In(1)
80	103.18	105.28	Open To Flow (2)
125	155.28	106.59	Shut-In(2)
188	585.20	107.63	End Shut-In(2)
189	1781.13	109.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MCW 90%W 10%M	0.61
63.00	MCW 55%w 45%M	0.88
63.00	WCM 40%W 60%M	0.88
61.00	WCM 10%W 90%M	0.86

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC
125 N Market St.
STE1725 Wichita KS 67202
ATTN: Larry Nicholson

21-10S-22W Graham,KS
Braun Unit #1-21
Job Ticket: 71122 **DST#: 1**
Test Start: 2023.10.06 @ 18:38:00

Tool Information

Drill Pipe:	Length: 3549.00 ft	Diameter: 3.80 inches	Volume: 49.78 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 49.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3610.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3575.00	
Shut In Tool	5.00			3580.00	
Hydraulic tool	5.00			3585.00	
Jars	8.00			3593.00	
EM Tool	4.00			3597.00	
Safety Joint	3.00			3600.00	
Packer	5.00			3605.00	36.00 Bottom Of Top Packer
Packer	5.00			3610.00	
Stubb	1.00			3611.00	
Perforations	11.00			3622.00	
Change Over Sub	1.00			3623.00	
Drill Pipe	31.00			3654.00	
Change Over Sub	1.00			3655.00	
Handling sub	5.00			3660.00	
Recorder	0.00	8355	Inside	3660.00	
Recorder	0.00	8289	Outside	3660.00	
Perforations	20.00			3680.00	
Bullnose	3.00			3683.00	73.00 Bottom Packers & Anchor

Total Tool Length: 109.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC
125 N Market St.
STE1725 Wichita KS 67202
ATTN: Larry Nicholson

21-10S-22W Graham,KS
Braun Unit #1-21
Job Ticket: 71122 **DST#: 1**
Test Start: 2023.10.06 @ 18:38:00

Mud and Cushion Information

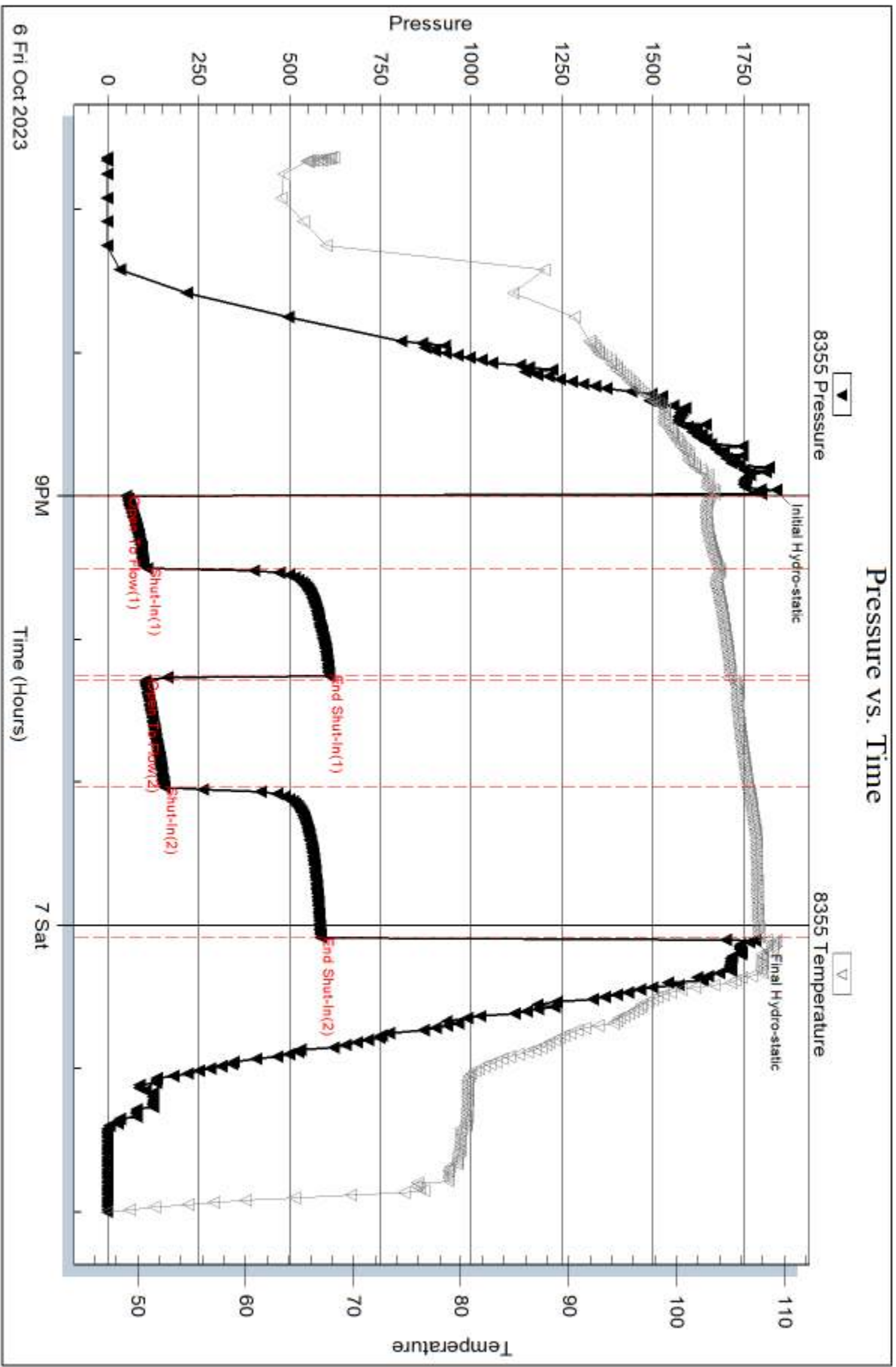
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	55000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	MCW 90%W 10%M	0.610
63.00	MCW 55%w 45%M	0.884
63.00	WCM 40%W 60%M	0.884
61.00	WCM 10%W 90%M	0.856

Total Length: 250.00 ft Total Volume: 3.234 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

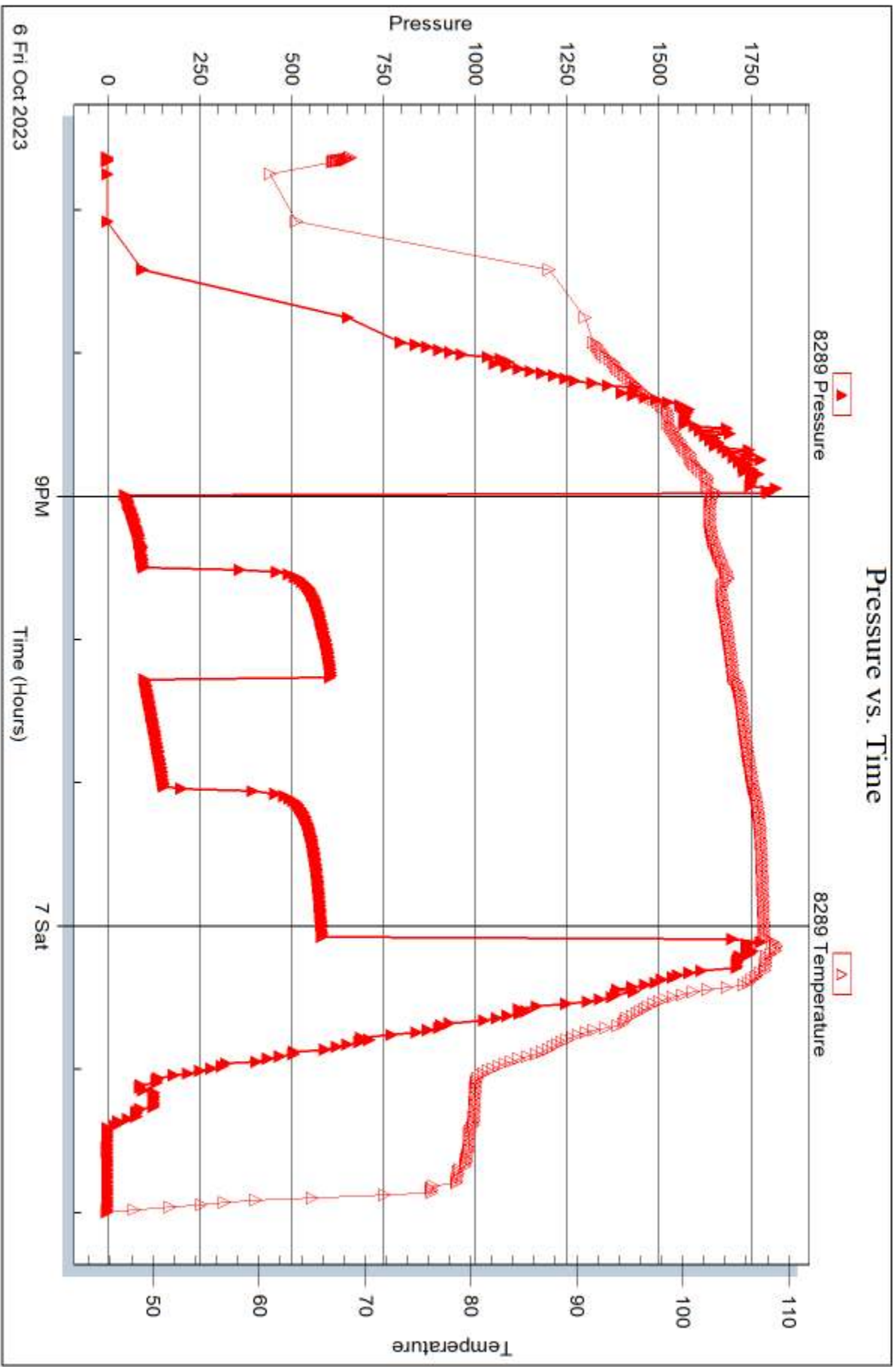


Serial #: 8289

Outside Cobalt Energy LLC

Braun Unit #1-21

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 71122

Printed: 2023.10.11 @ 14:15:17



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

125 N Market St.
STE1725 Wichita KS 67202

ATTN: Larry Nicholson

Braun Unit #1-21

21-10S-22W Graham,KS

Start Date: 2023.10.07 @ 16:02:00

End Date: 2023.10.07 @ 23:38:30

Job Ticket #: 71123 DST #: 2

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

Printed: 2023.10.11 @ 14:06:01



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC
 125 N Market St.
 STE1725 Wichita KS 67202
 ATTN: Larry Nicholson

21-10S-22W Graham,KS

Braun Unit #1-21

Job Ticket: 71123 **DST#: 2**
 Test Start: 2023.10.07 @ 16:02:00

GENERAL INFORMATION:

Formation: **LKC 'H-J'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:45:00
 Time Test Ended: 23:38:30
 Interval: **3709.00 ft (KB) To 3774.00 ft (KB) (TVD)**
 Total Depth: 3774.00 ft (KB) (TVD)
 Hole Diameter: 7.79 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Richie Samora
 Unit No: 66
 Reference Elevations: 2319.00 ft (KB)
 2316.00 ft (CF)
 KB to GR/CF: 3.00 ft

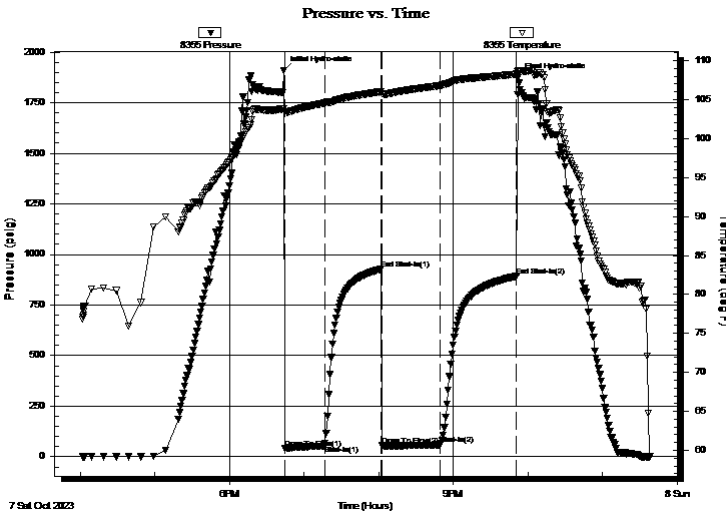
Serial #: 8355

Inside

Press@RunDepth: 59.58 psig @ 3756.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2023.10.07 End Date: 2023.10.07 Last Calib.: 2023.10.07
 Start Time: 16:02:05 End Time: 23:38:29 Time On Btm: 2023.10.07 @ 18:44:00
 Time Off Btm: 2023.10.07 @ 21:52:30

TEST COMMENT: 30-IF: Weak blow built to 1"
 45-ISI: No blow back
 45-FF: Weak blow 14 minutes into flow built to .5"
 60-FSI: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1909.09	103.86	Initial Hydro-static
1	42.59	103.41	Open To Flow (1)
33	54.60	104.53	Shut-In(1)
78	927.10	106.02	End Shut-In(1)
79	55.28	105.73	Open To Flow (2)
126	59.58	106.79	Shut-In(2)
187	892.82	108.26	End Shut-In(2)
189	1875.00	108.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MCW 40%M 60%W	0.07
30.00	WCM 85%M 15%W	0.28

* 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
125 N Market St.
STE1725 Wichita KS 67202
ATTN: Larry Nicholson

21-10S-22W Graham,KS
Braun Unit #1-21
Job Ticket: 71123 **DST#: 2**
Test Start: 2023.10.07 @ 16:02:00

Tool Information

Drill Pipe:	Length: 3675.00 ft	Diameter: 3.80 inches	Volume: 51.55 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 3.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 51.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3709.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	101.00 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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Change Over Sub	1.00			3674.00	
Shut In Tool	5.00			3679.00	
Hydraulic tool	5.00			3684.00	
Jars	8.00			3692.00	
EM Tool	4.00			3696.00	
Safety Joint	3.00			3699.00	
Packer	5.00			3704.00	36.00 Bottom Of Top Packer
Packer	5.00			3709.00	
Stubb	1.00			3710.00	
Perforations	8.00			3718.00	
Change Over Sub	1.00			3719.00	
Drill Pipe	31.00			3750.00	
Change Over Sub	1.00			3751.00	
Handling sub	5.00			3756.00	
Recorder	0.00	8355	Inside	3756.00	
Recorder	0.00	8289	Outside	3756.00	
Perforations	15.00			3771.00	
Bullnose	3.00			3774.00	65.00 Bottom Packers & Anchor

Total Tool Length: 101.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC
125 N Market St.
STE1725 Wichita KS 67202
ATTN: Larry Nicholson

21-10S-22W Graham,KS
Braun Unit #1-21
Job Ticket: 71123 **DST#: 2**
Test Start: 2023.10.07 @ 16:02:00

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:	20000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1900.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

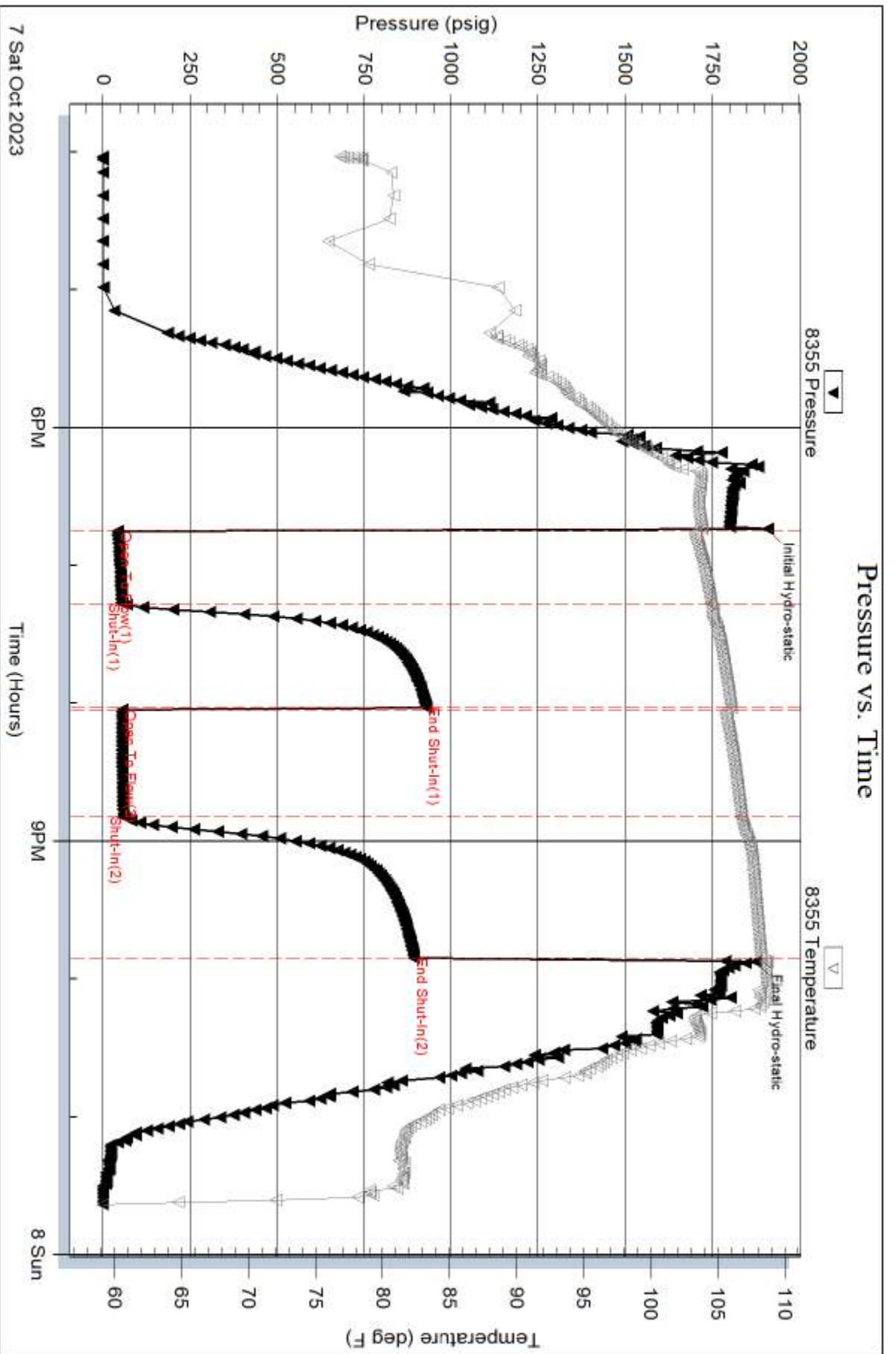
Length ft	Description	Volume bbl
15.00	MCW 40%M 60%W	0.074
30.00	WCM 85%M 15%W	0.284

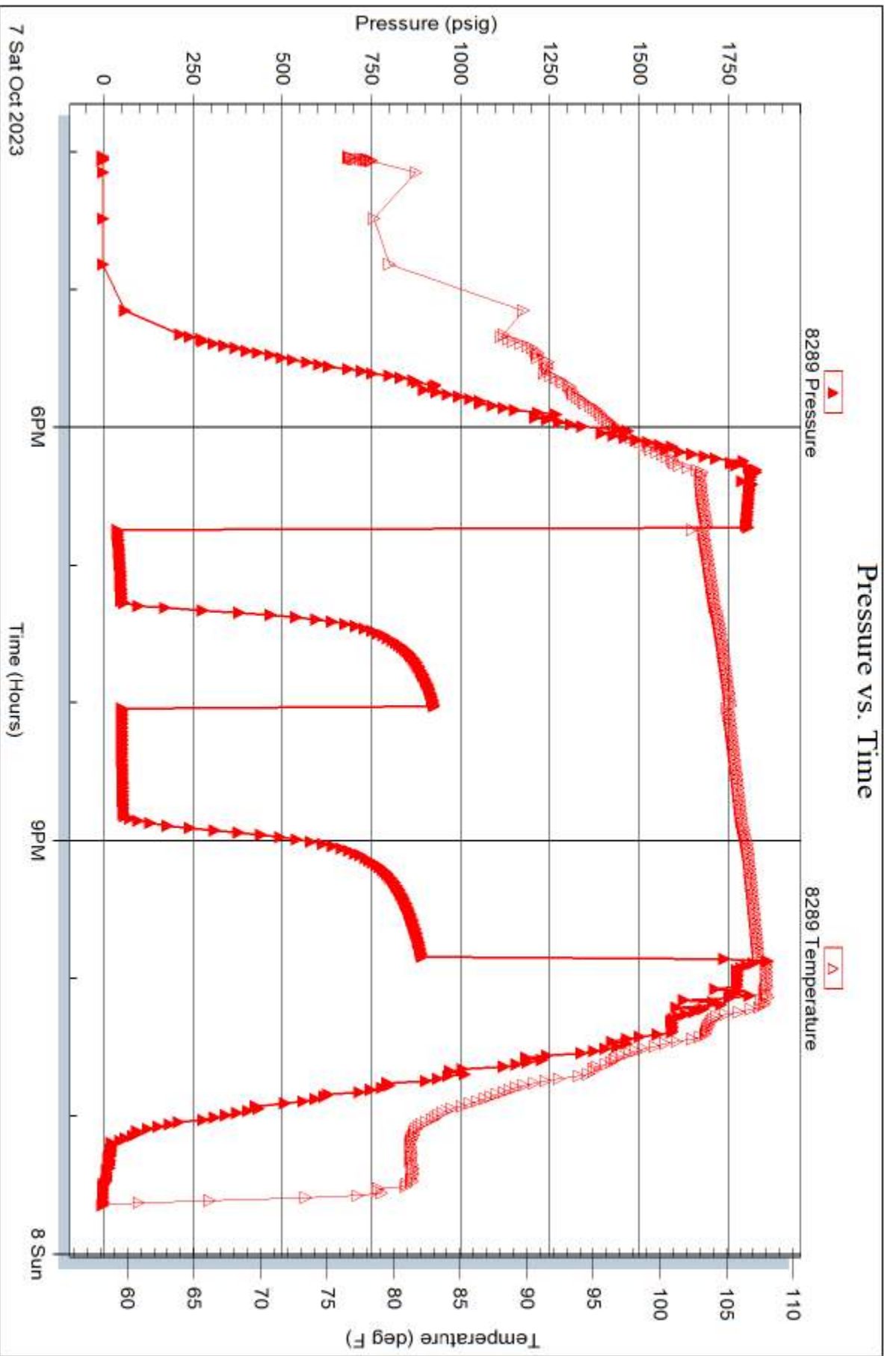
Total Length: 45.00 ft Total Volume: 0.358 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 71122

Well Name & No. Braun Unit #1-21 Test No. 1 Date 10-6-23
 Company Cobalt Energy LLC Elevation 2319 KB 2316 GL
 Address 125 N Market St STE 1725 Wichita KS 67202
 Co. Rep / Geo Larry Nicholson Rig Martin 16
 Location: Sec. 21 Twp 10S Rge. 22W Co. Graham State KS

Interval Tested 3610-3683 Zone Tested LKC'C-F'
 Anchor Length 73 Drill Pipe Run 3549 Mud Wt. 9.2
 Top Packer Depth 3605 Drill Collars Run 30 Vis 55
 Bottom Packer Depth 3610 Wt. Pipe Run 0 WL 5.8
 Total Depth 3683 Chlorides 1,500 ppm System LCM 2#

Blow Description IF: Fair blow BOB in 29 minutes built to 12.5"
IS1: No blow back
FF: Fair blow BOB in 41 minutes reached 13.27"
FS1: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>Mew</u>	<u>0</u>	<u>0</u>	<u>90</u>	<u>10</u>
<u>63</u>	<u>Mew</u>	<u>0</u>	<u>0</u>	<u>55</u>	<u>45</u>
<u>63</u>	<u>W/M</u>	<u>0</u>	<u>0</u>	<u>40</u>	<u>60</u>
<u>63</u>	<u>WCM</u>	<u>0</u>	<u>0</u>	<u>20</u>	<u>80</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 250 BHT 109.2 Gravity NA API RW 252 @ 39 *F Chlorides 55,000 ppm
 Initial Hydrostatic 1838 Test 1800 Ruined Shale Packer
 Initial Flow 51 to 109 Jars 300 Ruined Packer
 Initial Shut-In 609 Circ Sub Hotel
 Final Flow 103 to 155 Hourly Standby EM Tool Successful
 Final Shut-In 585 Mileage 100 50mi 87.50 Accessibility
 Final Hydrostatic 1781 Sampler 9mi 15.75 Gas Sample

Straddle Oversized Hole
 Shale Packer Sub Total 0
 Extra Packer Total 2203.25
 Extra Recorder Tool Loaded @
 Day Standby MP/DST Disc't

Comments BHT 1838
EMG K06

Approved By [Signature] Our Representative Richard Sommers

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 offered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Wells 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. 71123

Well Name & No. Braun Unit # 1-21 Test No. 2 Date 10-7-23
 Company Cobalt Energy llc Elevation 2319 KB 2316 GL
 Address 125 N Market St STE 1725 Wichita KS 67202
 Co. Rep / Geo Larry Nicholson Rig Martin 16
 Location: Sec. 21 Twp 10s Rge. 22W Co. Graham State KS

Interval Tested 3709-3774 Zone Tested L-KC 'H-J'
 Anchor Length 65' Drill Pipe Run 3675 Mud Wt. 9.1
 Top Packer Depth 3704 Drill Collars Run 30 Vis 56
 Bottom Packer Depth 3709 Wt. Pipe Run 0 WL 5.8
 Total Depth 3774 Chlorides 1900 ppm System LCM 2 #

Blow Description IF: Weak blow reached 1"
IS1: No blow back
FF: Weak blow 14 minutes into flow
FS1: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
30	WCM	0	0	15	85
15	MCLW	0	0	60	40
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud

Rec Total 45' BHT 108.7 Gravity NA API RW .409 @ 58 *F Chlorides 20,000 ppm

Initial Hydrostatic 1909 Test 1800 Ruined Shale Packer
 Initial Flow 43 to 55 Jars 300 Ruined Packer
 Initial Shut-In 927 Circ Sub Hotel
 Final Flow 55 to 60 Hourly Standby EM Tool Successful
 Final Shut-In 893 Mileage 18 Accessibility
 Final Hydrostatic 1875 Sampler 31.50 + 15.75 + 87.50 Gas Sample

T-On Location 1410 Straddle Oversized Hole
 Initial Flow 30 T-Started 1700 Shale Packer Sub Total 0
 Initial Shut-In 45 T-Open 1845 Extra Packer Total 2234.75
 Final Flow 45 T-Pulled 21:50 Extra Recorder Tool Loaded 10/8 @ 8:28
 Final Shut-In 60 T-Out 2330 Day Standby MP/DST Disc't

Comments Batts @ 1602
EM @ 1627

Approved By [Signature] 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.

GEOLOGICAL REPORT

Larry A. Nicholson

FINAL
NAD 83
39.171756859
-99.791031651

COMPANY & WELL **Cobalt Energy Braun Unit #1-21**

LOCATION **1522 FNL & 259 FWL NW NW SW NW**

SEC **21** TWP **10S** RGE **22W**

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

COMPANY **Cobalt Energy** FIELD **NA**

API # **15-065-24274** WELL # **#1-21**

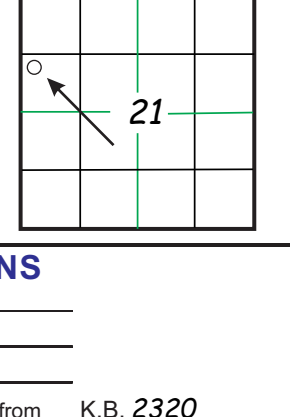
LEASE **Braun Unit**

LOCATION **NW NW SW NW**

SURVEY **1522' FNL & 259' FWL**

SECTION **21** TWP **10S** RGE **22W**

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



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

SPUD **10:00 am 10-02-23** COMP. **2320**

RTD **3:49 am 10-08-23** LTD **3868**

MUD UP AT **2999**

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

ELEVATIONS

K.B. **2320**

D.F. **2315**

G.L. **2315**

All measurements from K.B. **2320**

SAMPLES SAVED FROM 3200 TO RTD

SAMPLES EXAMINED FROM 3200 TO RTD

GEOLOGICAL SUPERVISION FROM 3200 TO RTD

WELLSITE GEOLOGIST LARRY A. NICHOLSON

CASING RECORD

Conductor of _____

Surface **217** of **8 5/8"** w/ **165** s/s

Production of _____ w/ _____ s/s

ELECTRICAL SURVEYS Western Neu Den Dual Micro

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELECLOG TOPS	SUBSEA DATUM	REFERENCE WELL	
					A	B
Anhydrite			1832	+488		
Topeka			3324	-1004		
Heebner			3546	-1226		
Toronto			3568	-1248		
Lansing			3584	-1264		
Lansing J			3682	-1362		
Lansing G			3760	-1440		
Stark			3769	-1449		
Lansing K			3774	-1454		
Hushpuckney			3789	-1469		
BKC			3810	-1490		
RTD			3870	-1550		
LTD			3868	-1548		

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 :

Dst #1 3610-3683 (LKC C-F) 30 45 45 60 IF-51-109 FF-103-155 SI-609-585
 Rec Total Fluid 250' MCW (51W 49M) IF-BOB 29 min, 12.5", nr
 FF BOB 41 min, 13.27", nr BHT 109'F, RW 252@ 39'F, CL 55,000 ppm

Dst #2 3709-3774 (LKC H-J) 30 45 45 60 IF-43-55 FF-55-60 SI-927-893
 Rec Total Fluid 45' 15' MCW (60W 40M) 30' WCM (10W 85M) IF-weak-1", nr
 FF weak low 14 min, nr BHT 109'F, RW 409@ 59'F, CL 20,000 ppm

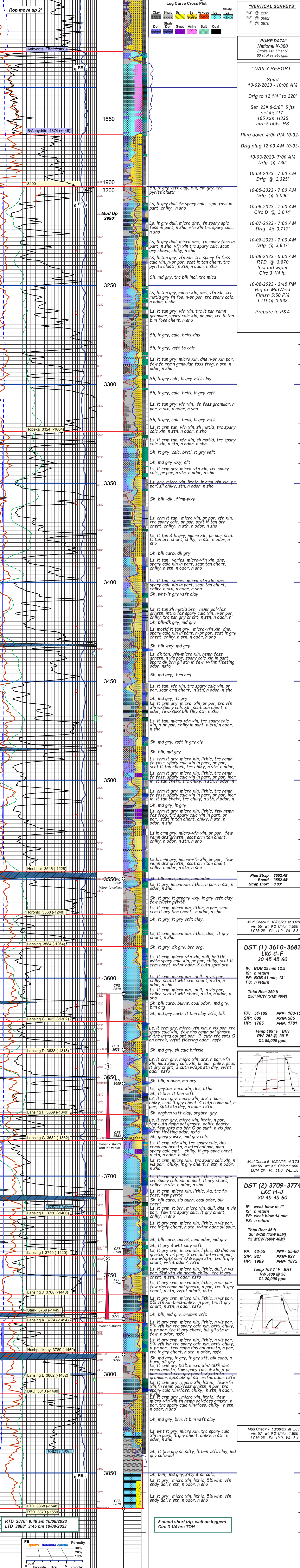
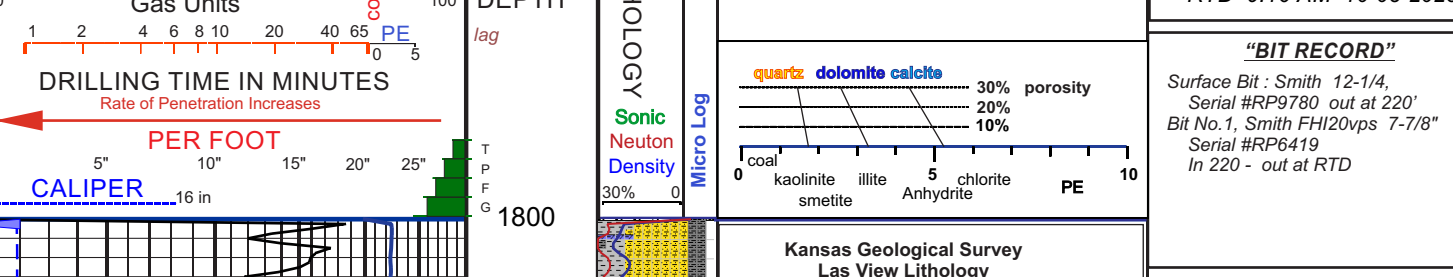
REMARKS AND RECOMMENDATIONS:

Based on Sample Shows and Dst Results the well was P&A.

* Note Rop, Dsts, Sho, cfs, lag, moved up 2 ft. to match elogs (depth moved, num not changed)

Sincerely Submitted,
Larry Nicholson Geologist

LEGEND



RTD 3870' 3:49 am 10/08/2023 LTD 3868' 3:45 pm 10/08/2023

5 stand short trip, wait on loggers Circ 3/14 hrs TOH

PE **quartz dolomite calcite** Porosity 30%, 20%, 10%
 coal kaolinite illite chlorite smectite Anhydrite

GAMMA RAY / SP Gas Units DRILLING TIME IN MINUTES PER FOOT CALIPER

DEPTH LITHOLOGY SAMPLE DESCRIPTIONS REMARKS

COMPANY **Cobalt Energy** LEASE **Braun Unit #1-21 NW NW SW NW** LOCATION **1522' FNL & 259' FWL** SEC. **21** TWP **10S** RGE **22W** COUNTY **Graham** STATE **Ks**

ELEVATIONS K.B. **2320** D.F. **2315** G.L. **2315** All measurements from K.B. **2320**



