

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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CEMENT TREATMENT REPORT

Customer:	COBALT ENERGY LLC	Well:	GRACE 1-7	Ticket:	WP1978
City, State:	JETMORE KS	County:	HODGEMAN KS	Date:	10/13/2021
Field Rep:	DALTON POPP	S-T-R:	7-23S-22W	Service:	TWO STG L.S.

Downhole Information	
Hole Size:	7 7/8 in
Hole Depth:	ft
Casing Size:	5 1/2 in
Casing Depth:	4479 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	103.4 bbls

Calculated Slurry - Lead	
Blend:	H-LD
Weight:	15.0 ppg
Water / Sx:	6.5 gal / sx
Yield:	1.51 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	26.0 bbls
Total Sacks:	100 sx

Calculated Slurry - Tail	
Blend:	H-CON
Weight:	11.5 ppg
Water / Sx:	17.4 gal / sx
Yield:	2.86 ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	102.0 bbls
Total Sacks:	200 sx

TIME	RATE	PSI	BBLs	BBLs	REMARKS
9:37 AM			-	-	ON LOCATION
10:30 AM				-	RUN 5 1/2 17# CASING WITH BASKET SHOE ON 21.10' SHOE JOINT, CENTRALIZERS ON FIRST 4 COLLARS & 78
				-	D.V. TOOL AT 1440 COLLAR OF 78, BASKETS ON 76 & 77
1:22 PM				-	CASING ON BOTTOM
1:30 PM				-	HOOK TO CASING
1:40 PM				-	BREAK CIRCULATION WITH RIG, BASKET SHOE SET AT 900 PSI
3:06 PM	2.0	50.0	7.0	7.0	MIX 30 SKS H-CON FOR RAT HOLE
3:21 PM	4.0	240.0	12.0	19.0	PUMP 500 GALLONS MUD FLUSH
3:29 PM	3.0	200.0	20.0	39.0	PUMP 20 BBL KCL WATER
3:36 PM	3.0	250.0	26.0	65.0	MIX 100 SKS H-LD
3:48 PM	3.0	50.0	4.0	69.0	WASH PUMP AND LINE, DROP PLUG
3:56 PM	6.0	250.0	70.0	139.0	START WATER DISPLACEMENT
4:08 PM	5.0	180.0		139.0	START MUD DISPLACEMENT
4:11 PM	5.0	500.0	90.0	229.0	LIFT PRESSURE
4:14 PM	3.5	470.0	93.0	322.0	SLOW RATE
4:16 PM			103.4	425.4	PLUG DOWN, RELEASED AND HELD
4:23 PM				425.4	DROP OPENING TOOL
4:45 PM			810.0	1,235.4	OPEN D.V.
6:15 PM	4.0	160.0	87.0	1,322.4	MIX 170 SKS H-CON
6:39 PM	3.0	50.0	4.0	1,326.4	WASH PUMP AND LINE, DROP CLOSING PLUG
6:43 PM	4.5	450.0		1,326.4	START DISPLACEMENT
6:50 PM	3.0	300.0	23.0	1,349.4	SLOW RATE
6:52 PM		1,500.0	33.4	1,382.8	PLUG DOWN, RELEASED AND HELD
					CEMENT TO SURFACE CIRCULATION THROUGH JOB
				-	JOB COMPLETE, THANK YOU!
				-	MIKE MATTAL
				-	RILEY & RUEBEN

CREW		UNIT	SUMMARY		
Cementer:	MATTAL	912	Average Rate	Average Pressure	Total Fluid
Pump Operator:	OSBORN	176/522	3.8 bpm	332 psi	1,383 bbls
Bulk #1:	RUEBEN	181/533			
Bulk #2:	JONES	78			



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Larry Nicholson

Grace #1-7

7-23s-22w Hodgeman,KS

Start Date: 2021.10.11 @ 11:04:29

End Date: 2021.10.11 @ 17:51:59

Job Ticket #: 67587 DST #: 1

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

Printed: 2021.10.14 @ 10:28:22



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Cobalt Energy LLC

7-23s-22w Hodgeman,KS

PO Box 8037
Wichita, KS 67208

Grace #1-7

Job Ticket: 67587

DST#: 1

ATTN: Larry Nicholson

Test Start: 2021.10.11 @ 11:04:29

GENERAL INFORMATION:

Formation: **FT Scott - Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:19:44

Time Test Ended: 17:51:59

Test Type: Conventional Bottom Hole (Initial)

Tester: Matt Smith

Unit No: 68

Interval: **4412.00 ft (KB) To 4465.00 ft (KB) (TVD)**

Reference Elevations: 2266.00 ft (KB)

Total Depth: 4465.00 ft (KB) (TVD)

2261.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8788

Inside

Press@RunDepth: 28.55 psig @ 4413.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.11

End Date:

2021.10.11

Last Calib.:

2021.10.11

Start Time: 11:04:34

End Time:

17:51:58

Time On Btm:

2021.10.11 @ 13:16:29

Time Off Btm:

2021.10.11 @ 15:39:44

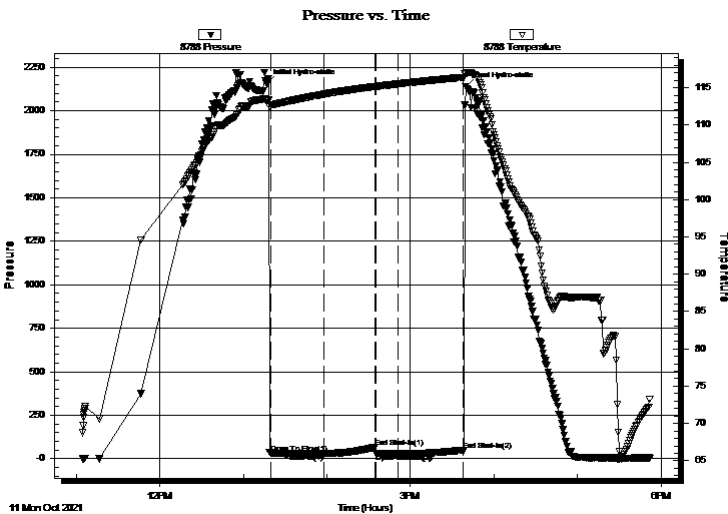
TEST COMMENT: IF: Weak Blow . Built to 1/4". (30)

IS: No Blow . (45)

FF: No Blow . (15)

FS: No Blow . (45)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2156.56	113.28	Initial Hydro-static
4	33.27	112.74	Open To Flow (1)
42	29.32	114.14	Shut-In(1)
79	67.27	115.18	End Shut-In(1)
79	32.83	115.17	Open To Flow (2)
95	28.55	115.51	Shut-In(2)
141	49.42	116.39	End Shut-In(2)
144	2140.58	116.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	GOSM 2%g 98%m	0.04

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Cobalt Energy LLC

7-23s-22w Hodgeman,KS

PO Box 8037
Wichita, KS 67208

Grace #1-7

Job Ticket: 67587

DST#: 1

ATTN: Larry Nicholson

Test Start: 2021.10.11 @ 11:04:29

Tool Information

Drill Pipe:	Length: 4270.00 ft	Diameter: 3.80 inches	Volume: 59.90 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.80 inches	Volume: 0.89 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 60.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4412.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4382.00	
Shut In Tool	5.00			4387.00	
Hydraulic tool	5.00			4392.00	
Jars	5.00			4397.00	
EMT	3.00			4400.00	
Safety Joint	3.00			4403.00	
Packer	4.00			4407.00	31.00 Bottom Of Top Packer
Packer	5.00			4412.00	
Stubb	1.00			4413.00	
Recorder	0.00	8788	Inside	4413.00	
Recorder	0.00	8931	Outside	4413.00	
Perforations	3.00			4416.00	
Change Over Sub	1.00			4417.00	
Blank Spacing	31.00			4448.00	
Change Over Sub	1.00			4449.00	
Perforations	13.00			4462.00	
Bullnose	3.00			4465.00	53.00 Bottom Packers & Anchor
Total Tool Length:	84.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

7-23s-22w Hodgeman,KS

PO Box 8037
Wichita, KS 67208

Grace #1-7

Job Ticket: 67587

DST#: 1

ATTN: Larry Nicholson

Test Start: 2021.10.11 @ 11:04:29

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 54.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3450.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	GOSM 2%g 98%m	0.038

Total Length: 5.00 ft Total Volume: 0.038 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: None

Laboratory Name:

Laboratory Location:

Recovery Comments:

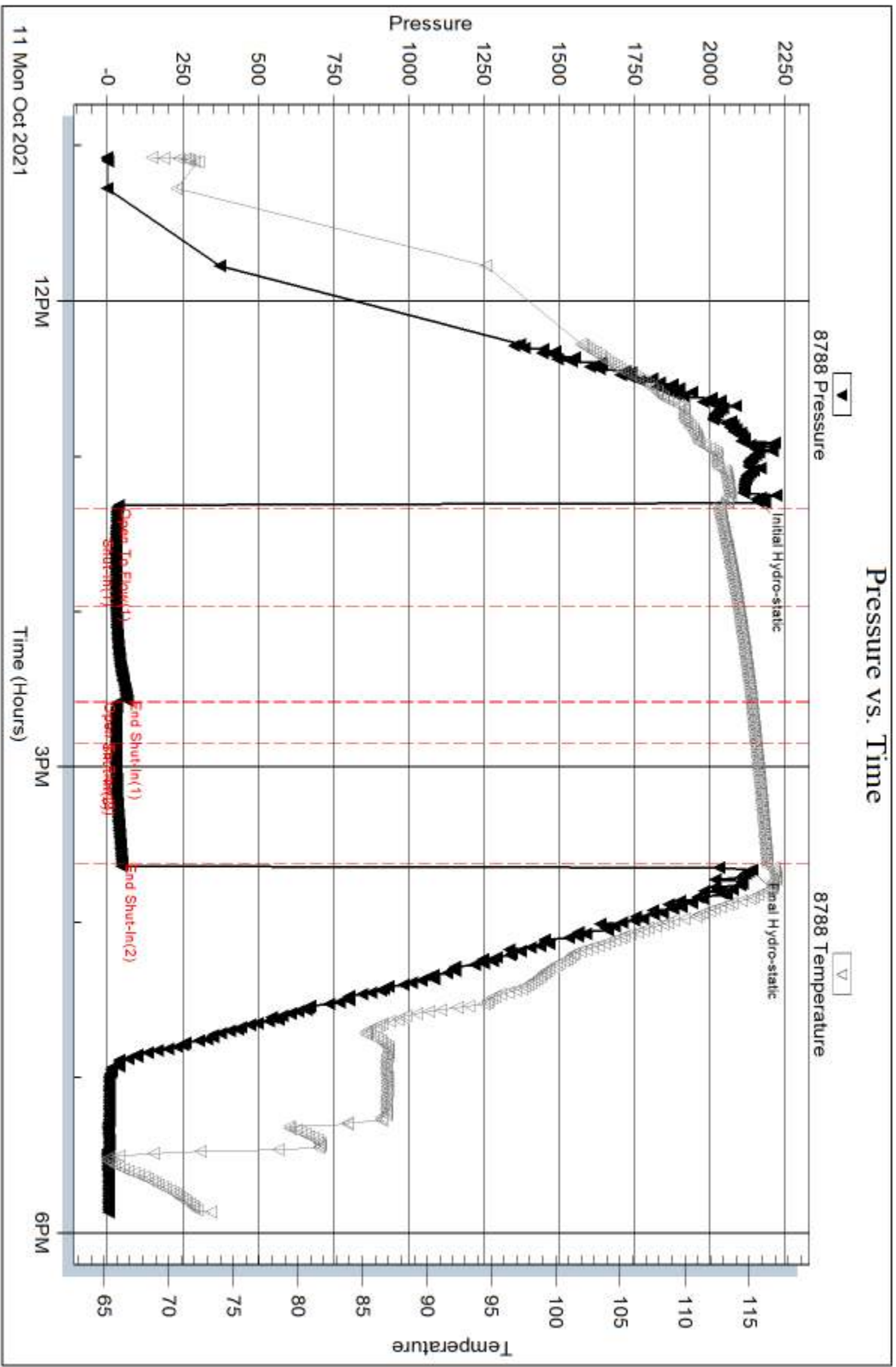
Serial #: 8788

Inside

Cobalt Energy LLC

Grace #1-7

DST Test Number: 1

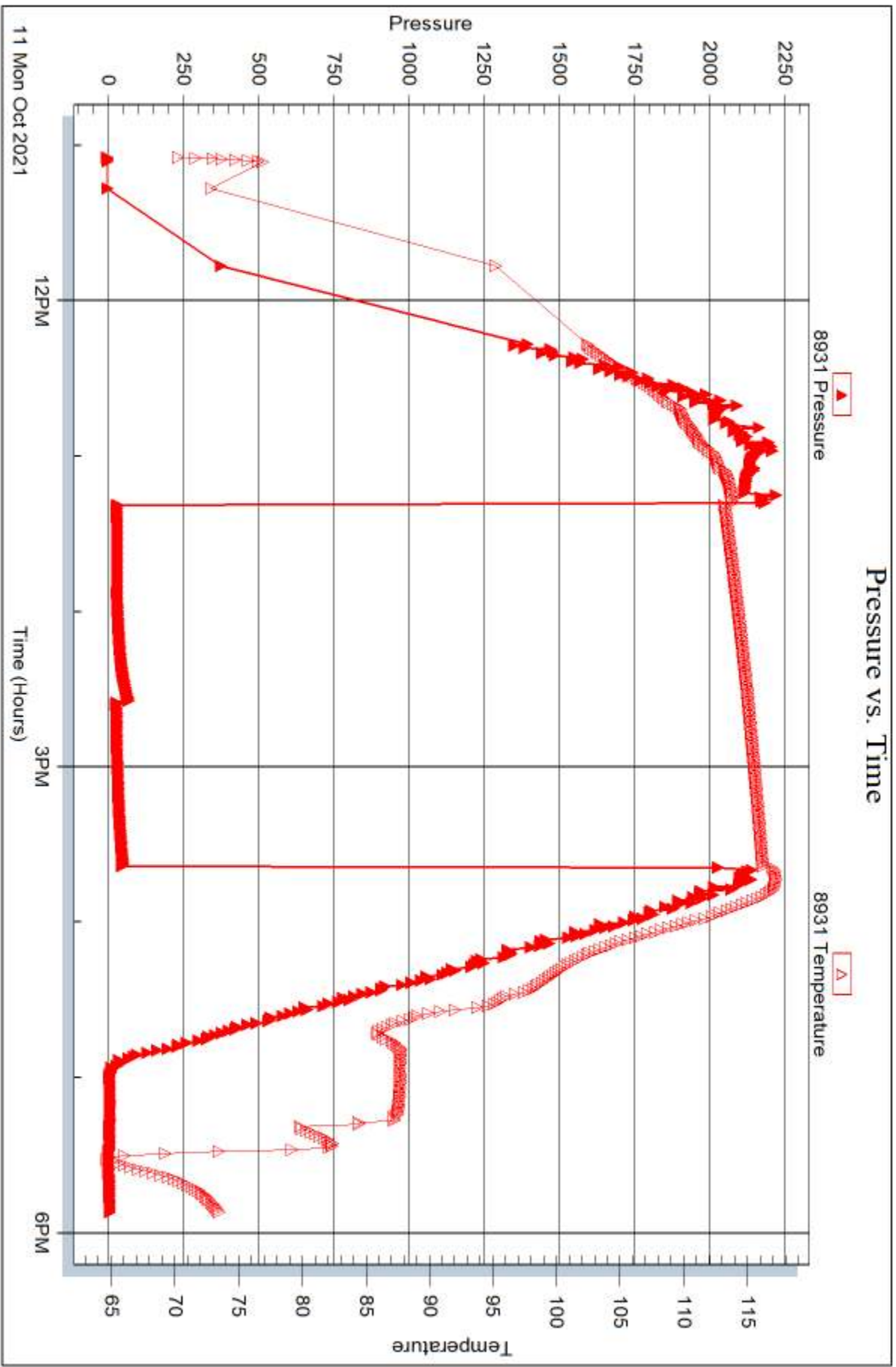


Serial #: 8931

Outside Cobalt Energy LLC

Grace #1-7

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 67587

Printed: 2021.10.14 @ 10:29:10



DRILL STEM TEST REPORT

Prepared For: **Cobalt Energy LLC**

PO Box 8037
Wichita, KS 67208

ATTN: Larry Nicholson

Grace #1-7

7-23s-22w Hodgeman,KS

Start Date: 2021.10.12 @ 06:59:17

End Date: 2021.10.12 @ 15:46:47

Job Ticket #: 67588 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2021.10.14 @ 10:27:28



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Cobalt Energy LLC

7-23s-22w Hodgeman,KS

PO Box 8037
Wichita, KS 67208

Grace #1-7

Job Ticket: 67588

DST#: 2

ATTN: Larry Nicholson

Test Start: 2021.10.12 @ 06:59:17

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:18:47

Time Test Ended: 15:46:47

Test Type: Conventional Bottom Hole (Reset)

Tester: Matt Smith

Unit No: 68

Interval: 4489.00 ft (KB) To 4515.00 ft (KB) (TVD)

Reference Elevations: 2266.00 ft (KB)

Total Depth: 4515.00 ft (KB) (TVD)

2261.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8788

Inside

Press@RunDepth: 157.64 psig @ 4490.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.10.12

End Date: 2021.10.12

Last Calib.: 2021.10.12

Start Time: 06:59:22

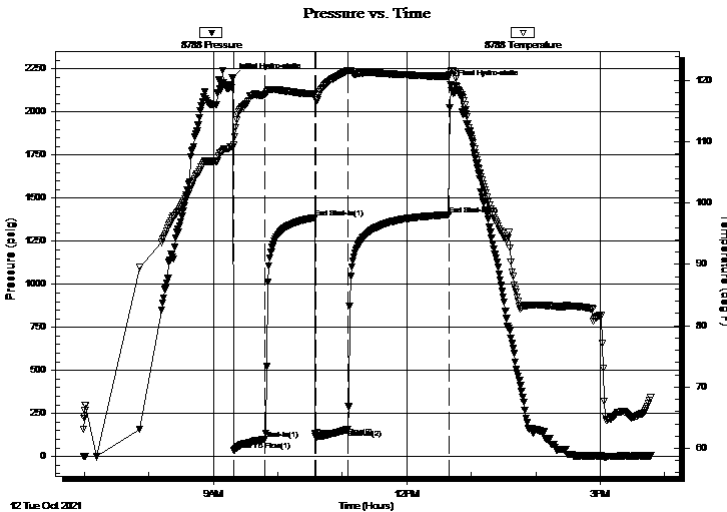
End Time: 15:46:47

Time On Btm: 2021.10.12 @ 09:17:47

Time Off Btm: 2021.10.12 @ 12:40:47

TEST COMMENT: IF: Strong Blow . B.O.B. in 23 mins. Built to 16.48". (30)
IS: No Blow . (45)
FF: Strong Blow . B.O.B. in 19 mins. Built to 19.43". (30)
FS: Weak Blow . Built to 1 1/2". Decreased to 1". (90)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.05	109.20	Initial Hydro-static
1	34.74	109.47	Open To Flow (1)
31	102.32	117.77	Shut-In(1)
77	1387.13	117.86	End Shut-In(1)
78	115.60	117.23	Open To Flow (2)
108	157.64	121.59	Shut-In(2)
202	1403.79	120.72	End Shut-In(2)
203	2157.34	121.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
59.00	GOWCM 13%g 10%o 27%w 50%m	0.45
59.00	GOWCM 10%g 25%o 5%w 60%m	0.46
63.00	GOCM 5%g 35%o 60%m	0.88
181.00	CO 100%o	2.54
0.00	260' GIP 100%g	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

7-23s-22w Hodgeman,KS

PO Box 8037
Wichita, KS 67208

Grace #1-7

Job Ticket: 67588

DST#: 2

ATTN: Larry Nicholson

Test Start: 2021.10.12 @ 06:59:17

Tool Information

Drill Pipe:	Length: 4365.00 ft	Diameter: 3.80 inches	Volume: 61.23 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.80 inches	Volume: 0.89 bbl	Weight to Pull Loose: 61000.00 lb
			<u>Total Volume: 62.12 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	4489.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	57.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4459.00	
Shut In Tool	5.00			4464.00	
Hydraulic tool	5.00			4469.00	
Jars	5.00			4474.00	
EMT	3.00			4477.00	
Safety Joint	3.00			4480.00	
Packer	4.00			4484.00	31.00 Bottom Of Top Packer
Packer	5.00			4489.00	
Stubb	1.00			4490.00	
Recorder	0.00	8788	Inside	4490.00	
Recorder	0.00	8931	Outside	4490.00	
Perforations	22.00			4512.00	
Bullnose	3.00			4515.00	26.00 Bottom Packers & Anchor

Total Tool Length: 57.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Cobalt Energy LLC

7-23s-22w Hodgeman,KS

PO Box 8037
Wichita, KS 67208

Grace #1-7

Job Ticket: 67588

DST#: 2

ATTN: Larry Nicholson

Test Start: 2021.10.12 @ 06:59:17

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 8.78 in³
Resistivity: ohm.m
Salinity: 6400.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

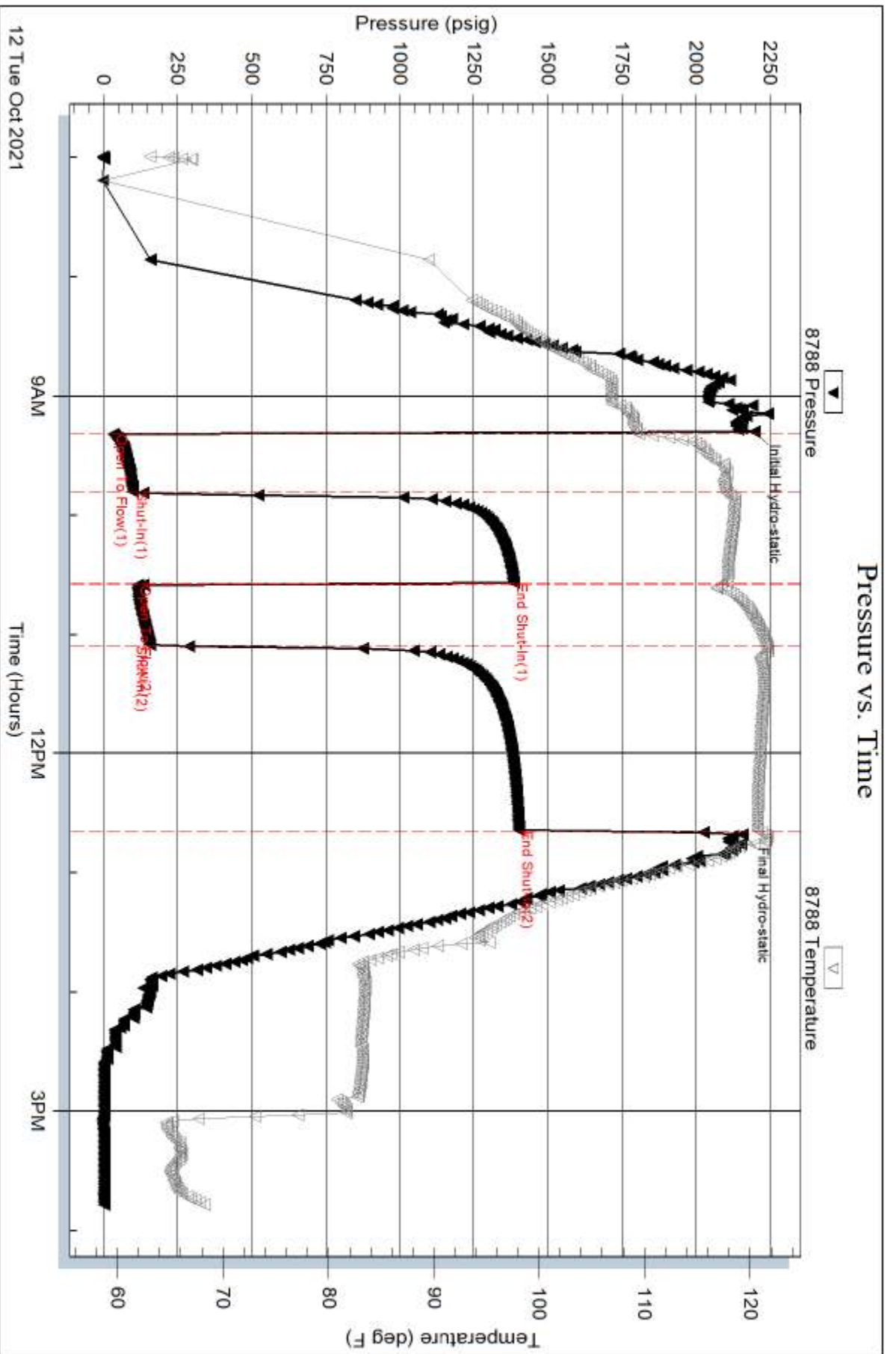
Length ft	Description	Volume bbl
59.00	GOWCM 13%g 10%o 27%w 50%m	0.449
59.00	GOWCM 10%g 25%o 5%w 60%m	0.456
63.00	GOCM 5%g 35%o 60%m	0.884
181.00	CO 100%o	2.539
0.00	260' GIP 100%g	0.000

Total Length: 362.00 ft Total Volume: 4.328 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: NONE

Laboratory Name: Laboratory Location:

Recovery Comments: 260 FT of Gas in Pipe.
Gravity w as 36.2 @ 65 Degrees. = 35.7 @ 60 Degrees.
Could Not Check Chlorides.

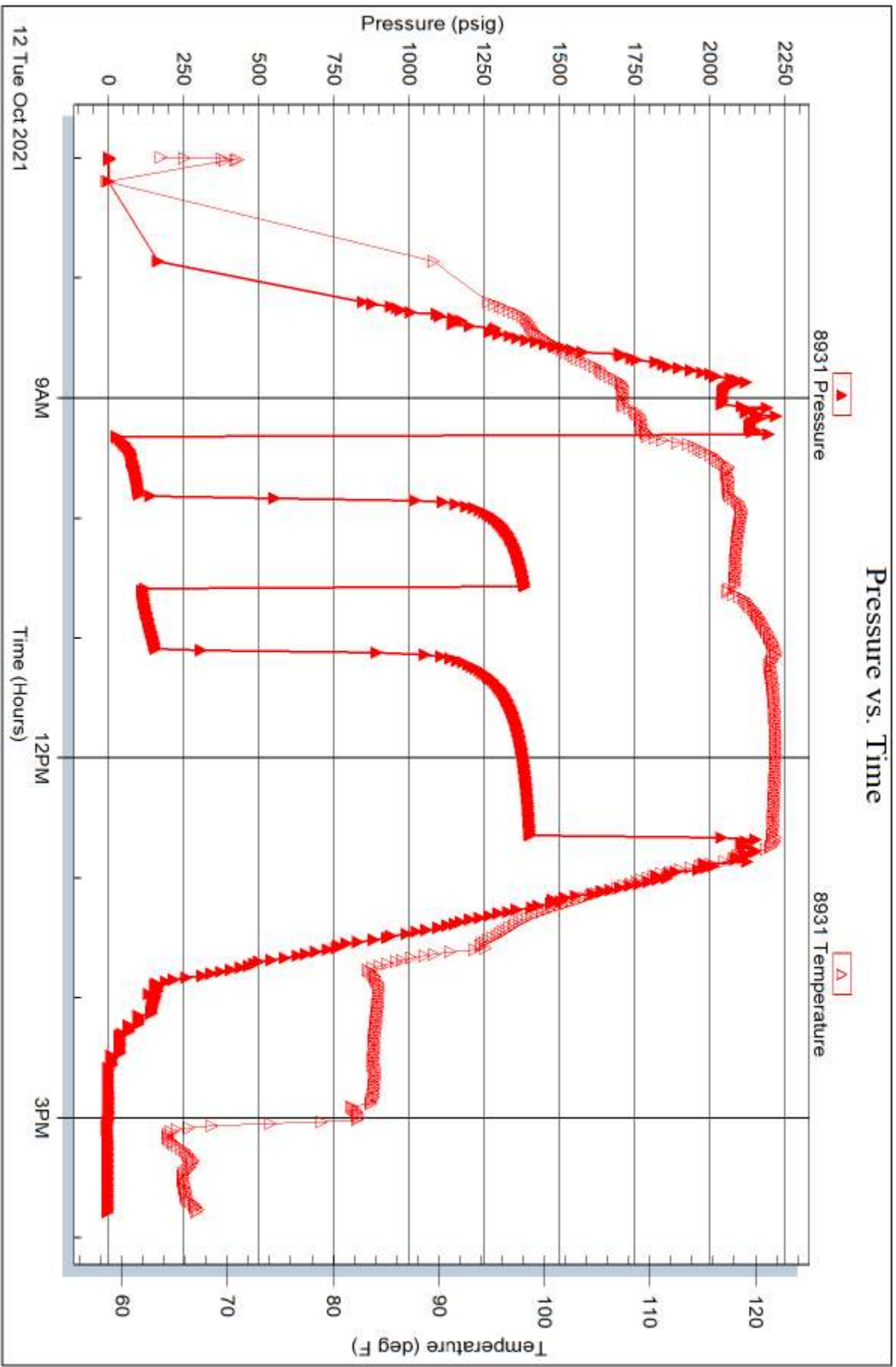


Serial #: 8931

Outside Cobalt Energy LLC

Grace #1-7

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67587

Well Name & No. Grace 1-7 Test No. 1 Date 10/11/21
 Company Cobalt Energy LLC Elevation 2266 KB 2261 GL
 Address 1155 S. Belmont #12 P.O. Box 8037 Wichita, KS. 67208
 Co. Rep / Geo. Larry Nicholson Rig Murfin 102
 Location: Sec. 7 Twp 23S Rge. 22W Co. Hodgeman State KS.

Interval Tested 4412 - 4465 Zone Tested Ft. Scott - Cherokee
 Anchor Length 53' Drill Pipe Run 4270 Mud Wt. 9.3
 Top Packer Depth 4407 Drill Collars Run 117 Vis 54
 Bottom Packer Depth 4412 Wt. Pipe Run 2 WL 7.2
 Total Depth 4465 Chlorides 3450 ppm System LCM 1st

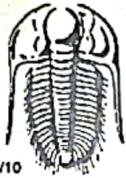
Blow Description IF: Weak Blow. Built to 1/4"
 ISI: No Blow.
 FF: No Blow.
 FSI: No Blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>605M</u>	<u>2</u>		<u>98</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5' Fluids BHT 113° Gravity N/A API RW N/A @ — F Chlorides 3450 ppm

(A) Initial Hydrostatic <u>2157</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>1062</u>
(B) First Initial Flow <u>33</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1104</u>
(C) First Final Flow <u>29</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>1319</u>
(D) Initial Shut-In <u>67</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1539</u>
(E) Second Initial Flow <u>33</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>1751</u>
(F) Second Final Flow <u>29</u>	<input checked="" type="checkbox"/> Mileage <u>(174)⁹ Pratt 160rt 200</u>	Comments
(G) Final Shut-In <u>49</u>	<input type="checkbox"/> Sampler	<input checked="" type="checkbox"/> EM Tool <u>350 NS</u>
(H) Final Hydrostatic <u>2141</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1975</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>1975</u>	

Approved By _____ Our Representative Matthew Smith
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67588

Well Name & No. Grace 1-7 Test No. 2 Date 10/12/21
 Company Cobalt Energy LLC Elevation 2264 KB 2261 GL
 Address 1155 S. Belmont #12 P.O. Box 8037 Wichita, KS. 67208
 Co. Rep / Geo. Larry Nicholson Rig Mursin 102
 Location: Sec. 7 Twp 23s Rge. 22w Co. Hodgeman State KS.

Interval Tested 4489 - 4515 Zone Tested Mississippi
 Anchor Length 26' Drill Pipe Run 4365 Mud Wt. 9.0
 Top Packer Depth 4484 Drill Collars Run 117 Vls 50
 Bottom Packer Depth 4489 Wt. Pipe Run 0 WL 8.8
 Total Depth 4515 Chlorides 6400 ppm System LCM 1/2"

Blow Description FF: Strong Blow. B.O.B. in 23 mins. Built to 16.48"
ISS: NO Blow.

FF: Strong Blow. B.O.B. in 19 mins. Built to 17.43"

FSD: Weak Blow. Built to 1 1/2". ~~28~~ Decreased to 1"

Rec	Feet of	%gas	%oil	%water	%mud
<u>260</u>	<u>GIP</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>181</u>	<u>CD</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>0</u>
<u>63</u>	<u>GOCM</u>	<u>5</u>	<u>(35) 35</u>	<u>0</u>	<u>60</u>
<u>59</u>	<u>GOWCM</u>	<u>10</u>	<u>25</u>	<u>5</u>	<u>60</u>
<u>59</u>	<u>GOWCM</u>	<u>13</u>	<u>10</u>	<u>27</u>	<u>50</u>

Rec Total 362' Fluid BHT 109° Gravity 35.7 @ 60° API RW N/A @ — °F Chlorides 6400 ppm

- (A) Initial Hydrostatic 2198
- (B) First Initial Flow 35
- (C) First Final Flow 102
- (D) Initial Shut-In 1387
- (E) Second Initial Flow 116
- (F) Second Final Flow 158
- (G) Final Shut-In 1404
- (H) Final Hydrostatic 2157

- Test 1450
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage (174) 8247 200
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1975

- T-On Location 0630
- T-Started 0659
- T-Open 0918
- T-Pulled 1240
- T-Out 1546

Comments Could not get chlorides.

- EM Tool 350 NS
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1975

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 90

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Remit To: Hurricane Services, Inc.
 250 N. Water, Suite 200
 Wichita, KS 67202
 316-303-9515

Customer:
 COBALT ENERGY LLC
 PO BOX 8037
 WICHITA, KS 67208-8037

IDC 7500.122

Invoice Date: 9/29/2021
 Invoice #: 0355754
 Lease Name: Grace
 Well #: 1-7 (New)
 County: Hodgeman, Ks
 Job Number: WP1930
 District: Oakley

Date/Description	HRS/QTY	Rate	Total
Surface	0.000	0.000	0.00
Cement Class A	175.000	15.300	2,677.50
Light Eq Mileage	120.000	1.800	216.00
Heavy Eq Mileage	120.000	3.600	432.00
Ton Mileage	120.000	11.138	1,336.50
Depth Charge 0'-500'	1.000	900.000	900.00

Total 5,562.00

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!

Cobalt Energy

