

Confidentiality Requested:

☐ Yes ☒ NoKANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed
Form must be Signed
All blanks must be FilledWELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASEOPERATOR: License # 34967Name: Fossil Resources LLCAddress 1: 111 W. 36TH ST.

Address 2: _____

City: HAYS State: KS Zip: 67601 + 1632Contact Person: Taylor LeikerPhone: (785) 432-1083CONTRACTOR: License # 31548Name: Discovery DrillingWellsite Geologist: Lyle Herrman

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 #: _____3/25/2022 3/31/2022 4/01/2022Spud Date or
Recompletion Date Date Reached TD Completion Date or
Recompletion DateAPI No.: 15-195-23134-00-00

Spot Description: _____

SW NW NE SE Sec. 13 Twp. 14 S. R. 22 ☐ East ☒ West2120 Feet from ☐ North / ☒ South Line of Section1250 Feet from ☒ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:

☐ NE ☐ NW ☒ SE ☐ SWGPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84County: TregoLease Name: COOL CREEK Well #: 1-13

Field Name: _____

Producing Formation: MississippiElevation: Ground: 2168 Kelly Bushing: 2176Total Vertical Depth: 4120 Plug Back Total Depth: _____Amount of Surface Pipe Set and Cemented at: 220 FeetMultiple 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: 42000 ppm Fluid volume: 320 bblsDewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Downing NelsonLease Name: Staab Ogallah License #: 30717Quarter NW Sec. 21 Twp. 12 S. R. 22 ☐ East ☒ WestCounty: Trego Permit #: D 31526.0

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 DistributionALT ☐ I ☒ II ☐ III Approved by: David Befort Date: 07/22/2022

Operator Name: Fossil Resources LLC Lease Name: COOL CREEK Well #: 1-13
 Sec. 13 Twp. 14 S. R. 22 ☐ East ☒ West County: Trego

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 (Attach Additional Sheets)	☒ Yes ☐ No	☒ Log	Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☐ Yes ☒ No	Name	Top	Datum
Cores Taken	☐ Yes ☒ No	Anhydrite	1572	+603
Electric Log Run	☒ Yes ☐ No	LKC	3572	-1397
Geologist Report / Mud Logs	☐ Yes ☒ No	BKC	3822	-1647
List All E. Logs Run:		Cherokee SH	3991	-1816
Attached		RTD	4120	-1945

CASING RECORD ☒ New ☐ 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
Surface	12.25	8.625	23	221	80/20	180	3%cc 2%salt

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing	-			
☐ Plug Back TD				
☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:		METHOD OF COMPLETION:			PRODUCTION INTERVAL:	
☐ Vented	☐ Sold	☐ Used on Lease	☐ Open Hole	☐ Perf.	☐ Dually Comp.	☐ Commingled
(If vented, Submit ACO-18.)			(Submit ACO-5)			(Submit ACO-4)
Top		Bottom				

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)
TUBING RECORD:		Size:	Set At:	Packer At:	

Form	ACO1 - Well Completion
Operator	Fossil Resources LLC
Well Name	COOL CREEK 1-13
Doc ID	1656253

All Electric Logs Run

DIL
CNDL
SONIC
MICRO
RAG

Form	ACO1 - Well Completion
Operator	Fossil Resources LLC
Well Name	COOL CREEK 1-13
Doc ID	1656253

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	221	80/20	180	3%cc 2%salt

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 2744

Date	3-25-22	Sec.	13	Twp.	14	Range	22	County	THE GO	State	KS	On Location		Finish	10:00 Am
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Location								11.7 S of Ogallah 2 E 42							
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Lease				COOL CREEK				Well No.				1				Owner				To Quality Oilwell Cementing, Inc.			
Contractor				Discovery												You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job				SURFACE												Charge To				FOSSIL RESOURCES			
Hole Size				12 1/4				T.D.				221				Street							
Csg.				8 1/2				Depth								City				State			
Tbg. Size								Depth								City				State			
Tool								Depth								The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.				15				Shoe Joint								Cement Amount Ordered				180 lbs 80/20 3-2			
Meas Line								Displace				13											

EQUIPMENT								Common															
Pumptrk	17	No.	Cementer																				
			Helper																				
Bulktrk		No.	Driver																				
			Driver																				
Bulktrk	9	No.	Driver																				
			Driver																				
								Poz. Mix								35							
								Gel.								3							
								Calcium								7							

JOB SERVICES & REMARKS															
Remarks:															
Rat Hole															
Mouse Hole															
Centralizers															
Baskets															
D/V or Port Collar															
RAN 55 lbs of 8 1/2 set e															
Cement w/ 180 lbs															
pump plug w/ 13 bbs															
Cement did cin															
Hulls															
Salt															
Flowseal															
Kol-Seal															
Mud CLR 48															
CFL-117 or CD110 CAF 38															
Sand															
Handling															
190															
Mileage															

FLOAT EQUIPMENT															
Guide Shoe															
Centralizer															
Baskets															
AFU Inserts															
Float Shoe															
Latch Down															

Pumptrk Charge																Surface															
Mileage																40															
Signature																Ryn L. Smith															
Tax																															
Discount																															
Total Charge																															

Thanks

Federal Tax I.D.# 20-2886107

No. 2747

Date	4-22	Sec.	13	Twp.	14	Range	22	County	TReGO	State	Ks	On Location		Finish	3:00 AM
								Location	OG 91164 11.7 S 3/15						

Lease <u>COOL CREEK</u>	Well No. <u>1-13</u>	Owner
Contractor <u>Discovery</u>		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Type Job <u>P+A</u>		Charge To <u>Fossil Resources</u>
Hole Size <u>7 7/8</u>	T.D. <u>4120</u>	
Csg.	Depth	Street
Tbg. Size	Depth	City State
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.
Cement Left in Csg.	Shoe Joint	Cement Amount Ordered <u>255 @ 4% 1/4 floccal</u>
Meas Line	Displace	

EQUIPMENT

Pumptrk 17	No.	Cementer Helper	B: 11
Bulktrk	No.	Driver	Rick
Bulktrk 1	No.	Driver	JORDAN
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole 152

Mouse Hole 3' 0" H

Centralizers

Baskets

D/V or Port Collar

1600 50A

675 10024

275 504

40 10

Common

Poz. Mix 102

Gel. *G*

Calcium

Hulls

Salt

Flowsea

Kol-Seal

Mud CLR 48

CFL-117 or CD110 CAF 38

Sand

Handling

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

1-5 $\frac{5}{8}$ wood

Pumptrk Charge

Mileage 40

Tax

Discount

Total Charge

X
Signature Ryan T. Zoch



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Fossil Resources

13-14-22w

111 w 36th
Hays KS 67601

Cool Creek 1-13

Job Ticket: 59499

DST#: 1

ATTN: Lyle Herman

Test Start: 2022.03.30 @ 11:20:00

GENERAL INFORMATION:

Formation: **Cherokee sand/Ft. Sc**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:06:15

Time Test Ended: 20:11:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Terrance

Unit No: 75

Interval: **3948.00 ft (KB) To 4040.00 ft (KB) (TVD)**

Total Depth: 4040.00 ft (KB) (TVD)

Hole Diameter: inches Hole Condition: Fair

Reference Elevations: 2172.00 ft (KB)

2164.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8320 Outside

Press@RunDepth: 40.27 psig @ 3953.00 ft (KB)

Start Date: 2022.03.30

End Date:

2022.03.30

Start Time: 11:20:05

End Time:

20:11:15

Capacity: 8000.00 psig

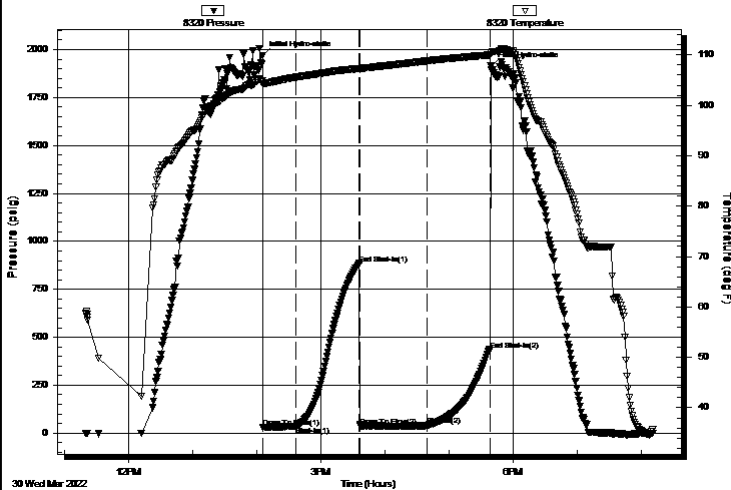
Last Calib.: 2022.03.30

Time On Btm: 2022.03.30 @ 14:06:00

Time Off Btm: 2022.03.30 @ 17:39:15

TEST COMMENT: if-30-surface blow
isi-60-no return
ff-60-2 inches
fsi-60-noreturn

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1968.55	104.86	Initial Hydro-static
1	31.03	104.18	Open To Flow (1)
31	35.73	105.59	Shut-In(1)
91	880.89	107.29	End Shut-In(1)
91	38.11	107.21	Open To Flow (2)
154	40.27	108.80	Shut-In(2)
213	431.90	109.97	End Shut-In(2)
214	1913.17	110.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	ocm 30% oil 70 %mud	0.29

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Fossil Resources

13-14-22w

111 w 36th
Hays KS 67601

Cool Creek 1-13

Job Ticket: 59499

DST#: 1

ATTN: Lyle Herman

Test Start: 2022.03.30 @ 11:20:00

GENERAL INFORMATION:

Formation: **Cherokee sand/Ft. Sc**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:06:15

Time Test Ended: 20:11:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Terrance

Unit No: 75

Interval: **3948.00 ft (KB) To 4040.00 ft (KB) (TVD)**

Total Depth: 4040.00 ft (KB) (TVD)

Hole Diameter: inches Hole Condition: Fair

Reference Elevations: 2172.00 ft (KB)

2164.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8368 Inside

Press@RunDepth: psig @ 3953.00 ft (KB)

Start Date: 2022.03.30

End Date:

2022.03.30

Start Time: 11:20:05

End Time:

20:11:15

Capacity: 8000.00 psig

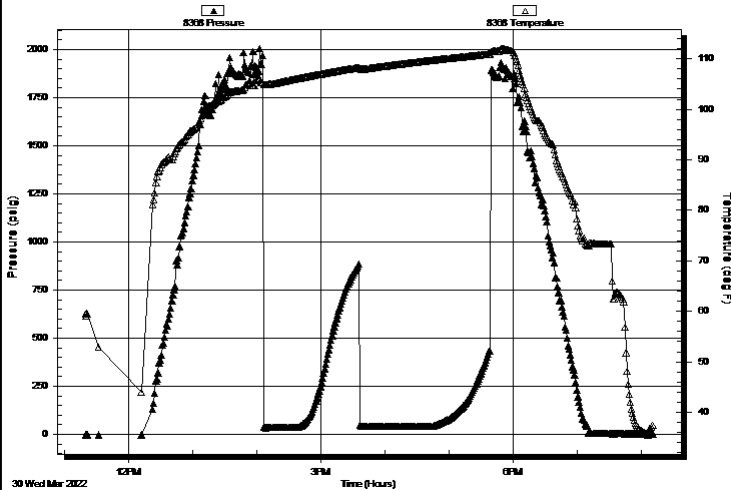
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: if-30-surface blow
isi-60-no return
ff-60-2 inches
fsi-60-noreturn

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
40.00	ocm 30% oil 70 %mud	0.29

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Fossil Resources

13-14-22w

111 w 36th
Hays KS 67601

Cool Creek 1-13

Job Ticket: 59499

DST#: 1

ATTN: Lyle Herman

Test Start: 2022.03.30 @ 11:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	ocm 30% oil 70 %mud	0.290

Total Length: 40.00 ft

Total Volume: 0.290 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

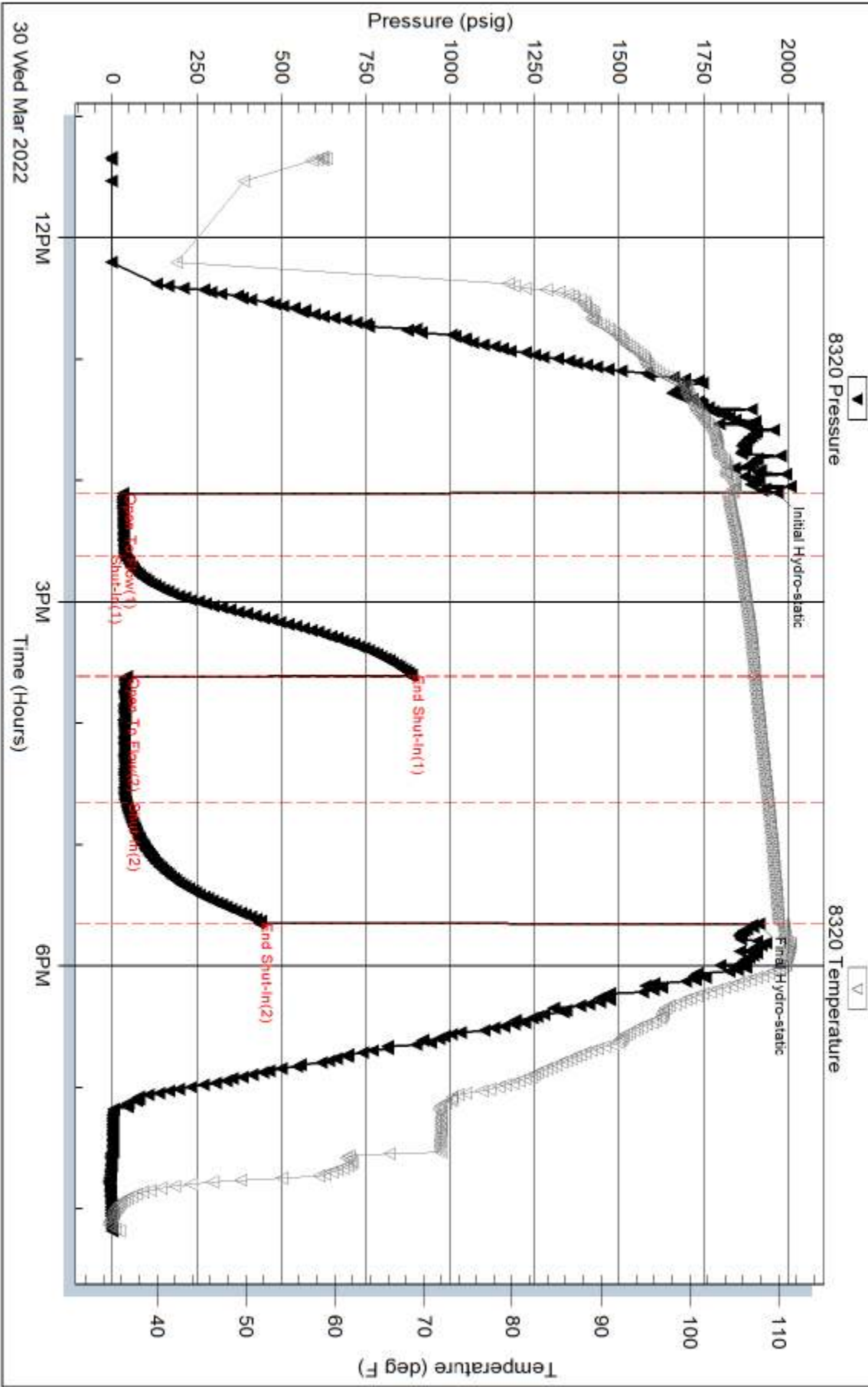
Serial #: 8320

Outside Fossil Resources

Cool Creek 1-13

DST Test Number: 1

Pressure vs. Time



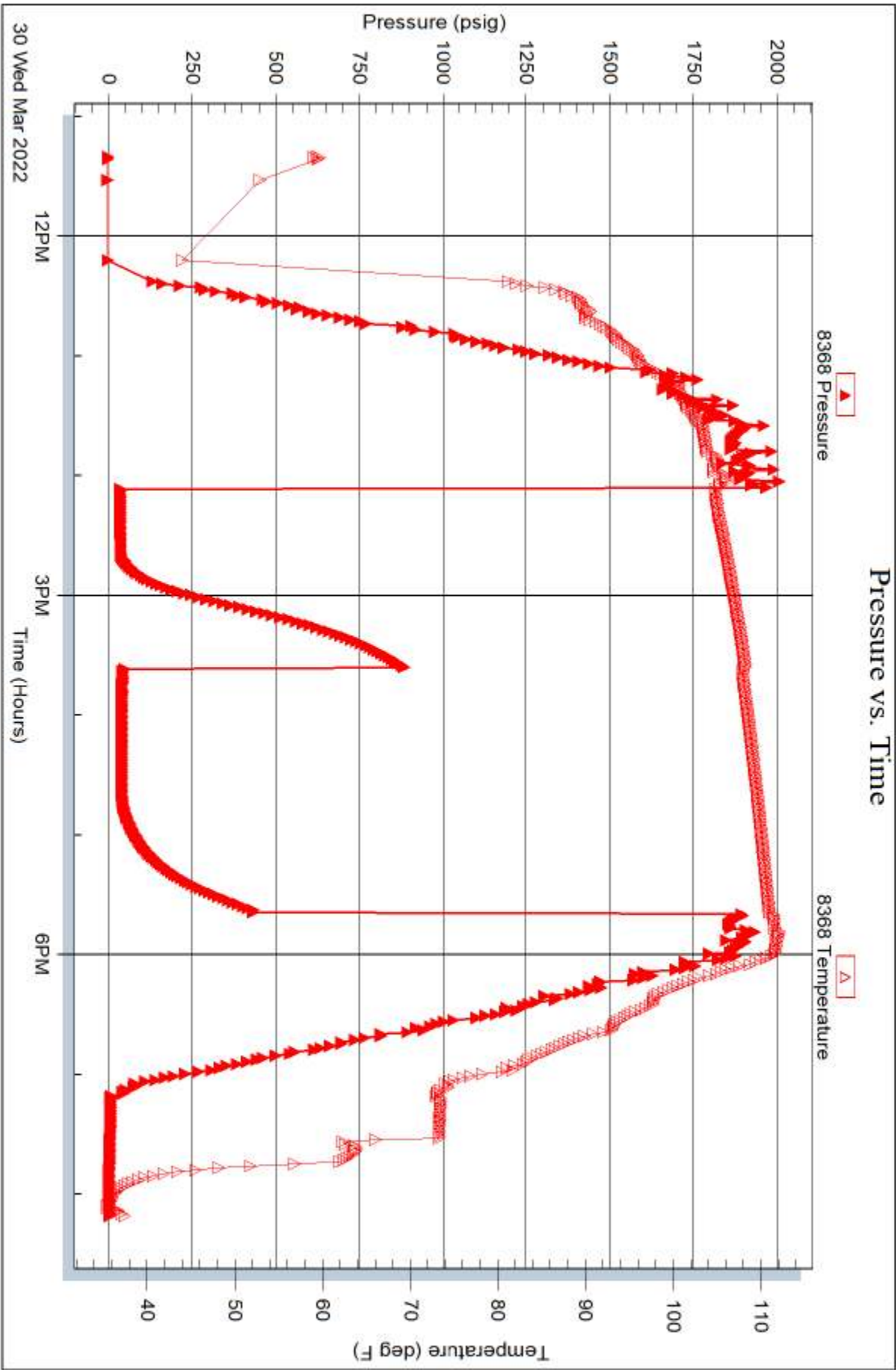
Serial #: 8368

Inside

Fossil Resources

Cool Creek 1-13

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Fossil Resources

13-14-22w

111 w 36th
Hays KS 67601

Cool Creek 1-13

Job Ticket: 59500

DST#: 2

ATTN: Lyle Herman

Test Start: 2022.03.31 @ 11:40:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:26:15

Time Test Ended: 19:12:30

Test Type: Conventional Straddle (Reset)

Tester: Terrance

Unit No: 75

Interval: 3898.00 ft (KB) To 3933.00 ft (KB) (TVD)

Total Depth: 4040.00 ft (KB) (TVD)

Hole Diameter: inches Hole Condition: Fair

Reference Elevations: 2172.00 ft (KB)

2164.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8320 Outside

Press@RunDepth: 61.47 psig @ 3903.00 ft (KB)

Start Date: 2022.03.31

End Date:

2022.03.31

Start Time: 11:40:05

End Time:

19:12:29

Capacity: 8000.00 psig

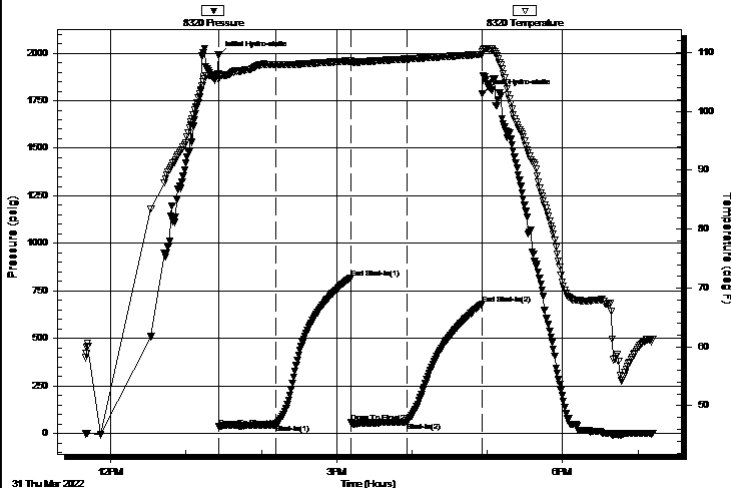
Last Calib.: 1899.12.30

Time On Btm: 2022.03.31 @ 13:26:00

Time Off Btm: 2022.03.31 @ 16:56:15

TEST COMMENT: if-45-6 1/2 inches
isi-60- no return
ff-45-6 inches
fsi-60- no return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1989.11	106.43	Initial Hydro-static
1	34.73	105.34	Open To Flow (1)
46	46.40	107.91	Shut-In(1)
106	817.46	108.57	End Shut-In(1)
106	60.58	108.34	Open To Flow (2)
150	61.47	108.89	Shut-In(2)
210	680.54	109.68	End Shut-In(2)
211	1786.31	110.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	ocm 30%mud 70%Oil	1.15

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Fossil Resources

13-14-22w

111 w 36th
Hays KS 67601

Cool Creek 1-13

Job Ticket: 59500

DST#: 2

ATTN: Lyle Herman

Test Start: 2022.03.31 @ 11:40:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:26:15

Time Test Ended: 19:12:30

Test Type: Conventional Straddle (Reset)

Tester: Terrance

Unit No: 75

Interval: 3898.00 ft (KB) To 3933.00 ft (KB) (TVD)

Total Depth: 4040.00 ft (KB) (TVD)

Hole Diameter: inches Hole Condition: Fair

Reference Elevations: 2172.00 ft (KB)

2164.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8368 Inside

Press@RunDepth: psig @ 3903.00 ft (KB)

Start Date: 2022.03.31

End Date:

2022.03.31

Start Time: 11:40:05

End Time:

19:13:14

Capacity: 8000.00 psig

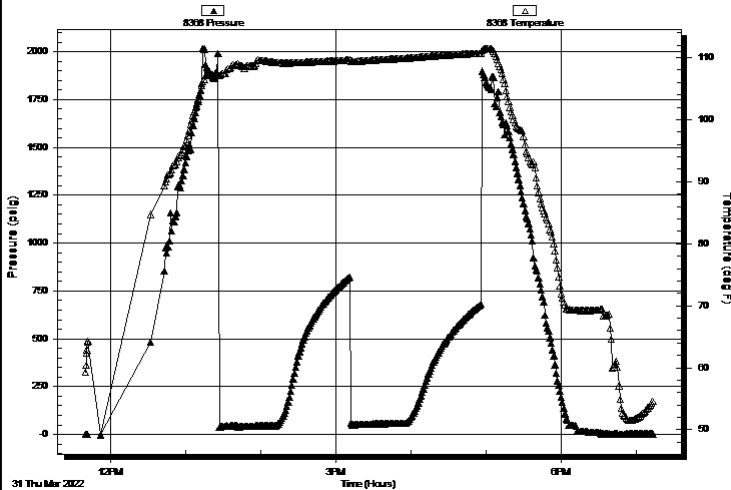
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: if-45-6 1/2 inches
isi-60- no return
ff-45-6 inches
fsi-60- no return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
100.00	ocm 30%mud 70%Oil	1.15

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Fossil Resources

13-14-22w

111 w 36th
Hays KS 67601

Cool Creek 1-13

Job Ticket: 59500

DST#: 2

ATTN: Lyle Herman

Test Start: 2022.03.31 @ 11:40:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:26:15

Time Test Ended: 19:12:30

Test Type: Conventional Straddle (Reset)

Tester: Terrance

Unit No: 75

Interval: **3898.00 ft (KB) To 3933.00 ft (KB) (TVD)**

Total Depth: 4040.00 ft (KB) (TVD)

Hole Diameter: inches Hole Condition: Fair

Reference Elevations: 2172.00 ft (KB)

2164.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8957 Below (Straddle)

Press@RunDepth: psig @ 3935.00 ft (KB)

Start Date: 2022.03.31

End Date:

2022.03.31

Start Time: 11:40:01

End Time:

19:13:30

Capacity: 8000.00 psig

Last Calib.:

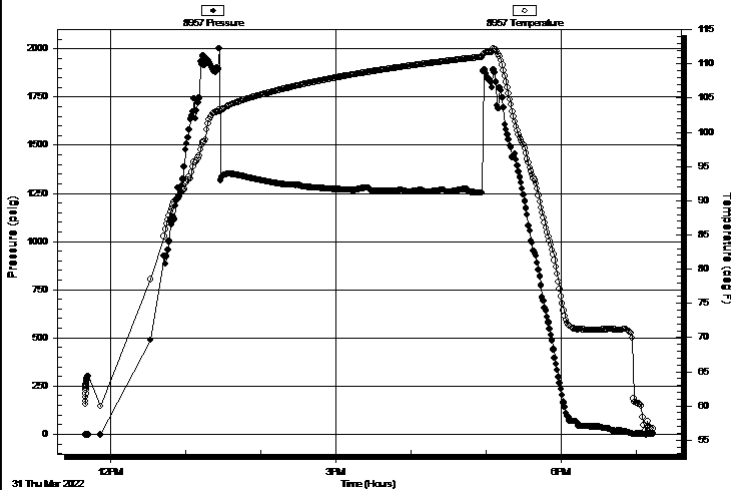
2022.03.31

Time On Btm:

Time Off Btm:

TEST COMMENT: if-45-6 1/2 inches
isi-60- no return
ff-45-6 inches
fsi-60- no return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
100.00	ocm 30%mud 70%Oil	1.15

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Fossil Resources

13-14-22w

111 w 36th
Hays KS 67601

Cool Creek 1-13

Job Ticket: 59500

DST#: 2

ATTN: Lyle Herman

Test Start: 2022.03.31 @ 11:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 7.20 in³

Resistivity: ohm.m

Salinity: 4100.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	ocm 30% mud 70% oil	1.145

Total Length: 100.00 ft

Total Volume: 1.145 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

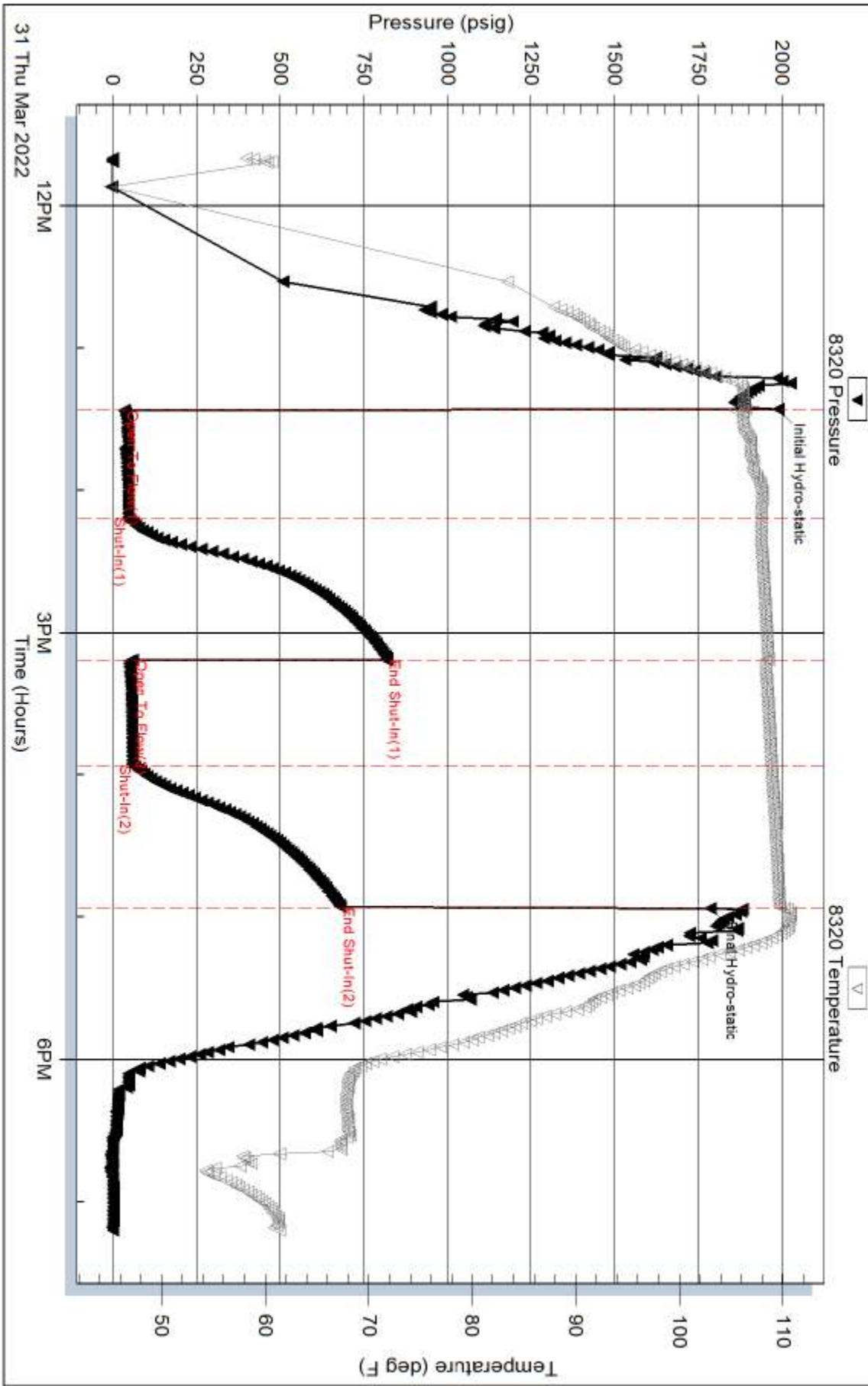
Serial #: 8320

Outside Fossil Resources

Cool Creek 1-13

DST Test Number: 2

Pressure vs. Time



Serial #: 8368

Inside

Fossil Resources

Cool Creek 1-13

DST Test Number: 2

