

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 & LEASE

OPERATOR: License # 35571
 Name: Canyon Operating LLC
 Address 1: PO BOX 7117
 Address 2: _____
 City: LOVELAND State: CO Zip: 80537 + 7117
 Contact Person: Mike Bradley
 Phone: (970) 222-7530
 CONTRACTOR: License # 35410
 Name: STP Drilling LLC
 Wellsite Geologist: Clayton Erickson
 Purchaser: Coffeyville

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 #: _____

07/18/2022 07/29/2022 07/30/2022
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No.: 15-065-24221-00-00

Spot Description: _____

NE - SE - SE - NW Sec. 19 Twp. 9 S. R. 24 ☐ East ☒ West
2261 Feet from ☒ North / ☐ South Line of Section
2337 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: GrahamLease Name: FINLEY Well #: 19-1

Field Name: _____

Producing Formation: LKCElevation: Ground: 2548 Kelly Bushing: 2555Total Vertical Depth: 4210 Plug Back Total Depth: 4206Amount of Surface Pipe Set and Cemented at: 219 FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf yes, show depth set: 2170 FeetIf Alternate II completion, cement circulated from: 2168feet depth to: 0 w/ 375 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 10700 ppm Fluid volume: 800 bblsDewatering method used: Evaporated

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: 11/15/2022
☐ Confidential Release Date: 11/14/2024
☒ Wireline Log Received ☒ Drill Stem Tests Received
☒ Geologist Report / Mud Logs Received
☐ UIC Distribution
 ALT ☐ I ☒ II ☐ III Approved by: David Befort Date: 11/15/2022

Operator Name: Canyon Operating LLC Lease Name: FINLEY Well #: 19-1
 Sec. 19 Twp. 9 S. R. 24 ☐ East ☒ West County: Graham

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	Top Anhydrite	2220	335
Electric Log Run	☒ Yes ☐ No	Base Anhydrite	2255	300
Geologist Report / Mud Logs	☒ Yes ☐ No	Topeka	3627	-1072
List All E. Logs Run:		Heebner	3842	-1287
Attached		Lansing	3883	-1328
		BKC	4109	1553

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	219	Com	170	3% cc, 2% gel
Production	7.875	5.5	15.5	4206	FSC	150	2% gel, 10% salt, 5# gilsonit
Production	7.875	5.5	5	2168	60/40 POZ	375	8% gel

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: <u>09/01/2022</u>	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 (If vented, Submit ACO-18.)	☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled (Submit ACO-5) (Submit ACO-4)	Top Bottom
		4060 4064

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)
4	4060	4064			Natural
TUBING RECORD: Size: Set At: Packer At:					
2.875 4125					

Form	ACO1 - Well Completion
Operator	Canyon Operating LLC
Well Name	FINLEY 19-1
Doc ID	1673346

All Electric Logs Run

DIL
DUCP
BHCS
MEL
BHV
CPI

Form	ACO1 - Well Completion
Operator	Canyon Operating LLC
Well Name	FINLEY 19-1
Doc ID	1673346

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	219	Com	170	3% cc, 2% gel
Production	7.875	5.5	15.5	4206	FSC	150	2% gel, 10% salt, 5# gilsonit
Production	7.875	5.5	5	2168	60/40 POZ	375	8% gel

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 0666
 LOCATION House
 FOREMAN Tom Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-29-22	35571	Finley 19-1	19	9	24W	Chester
CUSTOMER <u>Cannon Operating</u>						
MAILING ADDRESS <u>PO Box 7117</u>						
CITY <u>Love land</u>	STATE <u>CO</u>	ZIP CODE <u>80537</u>				

TRUCK #	DRIVER	TRUCK #	DRIVER
101	Tom W		
2/103	Jack T		

JOB TYPE DV Tool HOLE SIZE _____ HOLE DEPTH 4210' CASING SIZE & WEIGHT 5 1/2" 15.8#
 CASING DEPTH 4206 DRILL PIPE _____ TUBING _____ OTHER DV 2170
 SLURRY WEIGHT 14.8/11.7 SLURRY VOL 1.51/2.54 WATER gal/sk _____ CEMENT LEFT in CASING _____
 DISPLACEMENT 100Bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & setup on STP#2. Spore casing run casing & float equipment. Hooked up head & circulate 1 hr Mix 150 CMC & wash up. Displace 100Bbl mud & water. Circulate 1 hr Mix 405 sy light 30 sy RIT 375 down hole. Wash up. Displace 53.25Bbl DV fluid

latch down plug - 900 psi lift pressure, 2500 psi set plug

Thanks Tom & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC004	1	PUMP CHARGE DV Tool	\$2500.00	\$2500.00
M001	37	MILEAGE	\$6.50	\$240.50
M002	29.06 tons	Ton Mileage Delivery	\$1,612.83	\$1,612.83
CB030	150 sy	Class A Gaps, 10% sdt, 2% ogel 5#	\$28.55	\$4,282.50
FE059	1	5 1/2" DV Tool	\$4200.00	\$4200.00
FE033	1	5 1/2" Guide Shoe AFU	\$600.00	\$600.00
FE014	11	5 1/2" Turbolizer	\$108.00	\$1188.00
FE022	1	5 1/2" basket	\$385.00	\$385.00
FE051	1	5 1/2" Latch down plug assay	\$695.00	\$695.00
CP013	500 gal.	mud Flush	\$1.00	\$500.00
CP014	20 Bbl	KCL	\$30.00	\$600.00
LE003	1	5 1/2" head & manifold	\$200.00	\$200.00
CB021	405 sy	60/40 97ogel 1/4" Flo-sol	\$17.35	\$7026.75
		Cement Circulated	sub total	\$24,030.58
		less 10% disc		\$21,627.53
		DV Tool closed	sub total	\$21,627.53
			SALES TAX	1328.21
			ESTIMATED TOTAL	22,955.74

AUTHORIZATION

TITLE

DATE

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.



DRILL STEM TEST REPORT

Prepared For: **Canyon Operating**

PO Box 7117
Loveland, CO.80537

ATTN: Clayton Erickson

Finley #19-1

19-9s-24w Graham,KS

Start Date: 2022.07.23 @ 04:30:05

End Date: 2022.07.23 @ 14:55:30

Job Ticket #: 69752 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.08.03 @ 17:17:04



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69752

DST#: 1

ATTN: Clayton Erickson

Test Start: 2022.07.23 @ 04:30:05

GENERAL INFORMATION:

Formation: **LKC A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:00:44

Time Test Ended: 14:55:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Terrance

Unit No: 66

Interval: 3840.00 ft (KB) To 3905.00 ft (KB) (TVD)

Total Depth: 3905.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8320 Outside

Press@RunDepth: 49.96 psig @ 3841.00 ft (KB)

Start Date: 2022.07.23

End Date:

2022.07.23

Start Time: 04:30:05

End Time:

14:55:30

Capacity: 8000.00 psig

Last Calib.: 2022.07.23

Time On Btm: 2022.07.23 @ 08:57:29

Time Off Btm: 2022.07.23 @ 12:04:29

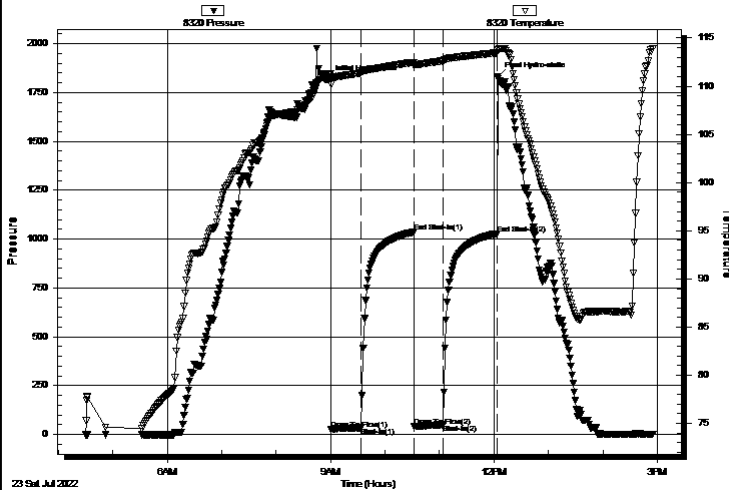
TEST COMMENT: IF-30-Built to 1 1/2 inches

ISI-60-No return

FF-30-Built to 2 inches

FSI-60-No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1814.50	111.25	Initial Hydro-static
4	27.20	110.23	Open To Flow (1)
37	35.89	111.39	Shut-In(1)
95	1036.25	112.48	End Shut-In(1)
95	42.26	112.13	Open To Flow (2)
126	49.96	112.62	Shut-In(2)
186	1027.78	113.46	End Shut-In(2)
187	1830.90	113.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	WM 35%W 75%M	0.34

Gas Rates

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

DRILL STEM TEST REPORT

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69752

DST#: 1

ATTN: Clayton Erickson

Test Start: 2022.07.23 @ 04:30:05

GENERAL INFORMATION:

Formation: **LKC A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:00:44

Time Test Ended: 14:55:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Terrance

Unit No: 66

Interval: 3840.00 ft (KB) To 3905.00 ft (KB) (TVD)

Total Depth: 3905.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8368 Inside

Press@RunDepth: 1017.59 psig @ 3841.00 ft (KB)

Start Date: 2022.07.23

End Date:

2022.07.23

Start Time: 04:30:05

End Time:

14:55:30

Capacity: 8000.00 psig

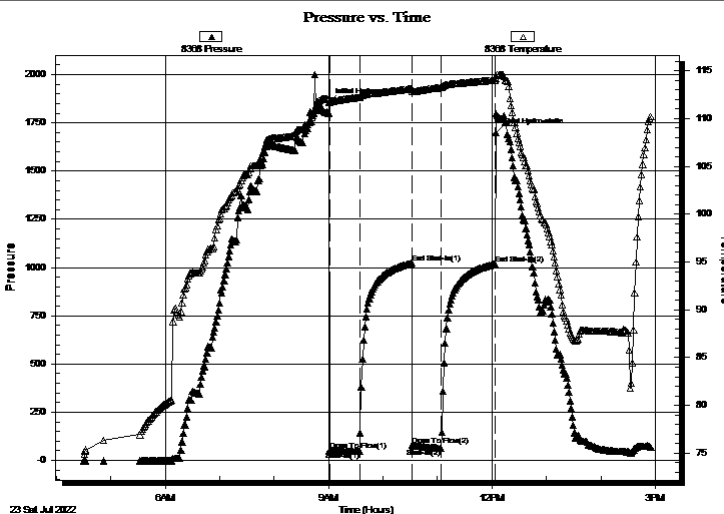
Last Calib.: 2022.07.23

Time On Btm: 2022.07.23 @ 09:00:30

Time Off Btm: 2022.07.23 @ 12:04:00

TEST COMMENT: IF-30-Built to 1 1/2 inches
ISI-60-No return
FF-30-Built to 2 inches
FSI-60-No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1856.15	112.09	Initial Hydro-static
1	51.22	111.73	Open To Flow (1)
34	48.64	112.22	Shut-In(1)
92	1022.21	113.11	End Shut-In(1)
92	80.74	112.88	Open To Flow (2)
124	64.84	113.25	Shut-In(2)
183	1017.59	114.02	End Shut-In(2)
184	1697.69	114.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	WM 35%W 75%M	0.34

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69752

DST#: 1

ATTN: Clayton Erickson

Test Start: 2022.07.23 @ 04:30:05

Tool Information

Drill Pipe:	Length:	3718.00 ft	Diameter:	3.79 inches	Volume:	51.88 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	62000.00 lb
					Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:		29.00 ft					String Weight: Initial	60000.00 lb
Depth to Top Packer:		3840.00 ft					Final	60000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		65.00 ft						
Tool Length:		96.00 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		3810.00	
Shut In Tool	5.00		3815.00	
Hydraulic tool	5.00		3820.00	
Jars	5.00		3825.00	
EM Tool	3.00		3828.00	
Safety Joint	3.00		3831.00	
Packer	5.00		3836.00	31.00 Bottom Of Top Packer
Packer	4.00		3840.00	
Stubb	1.00		3841.00	
Recorder	0.00	8368 Inside	3841.00	
Recorder	0.00	8320 Outside	3841.00	
Perforations	5.00		3846.00	
Change Over Sub	1.00		3847.00	
Drill Pipe	32.00		3879.00	
Change Over Sub	1.00		3880.00	
Perforations	22.00		3902.00	
Bullnose	3.00		3905.00	65.00 Bottom Packers & Anchor
Total Tool Length:	96.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69752

DST#: 1

ATTN: Clayton Erickson

Test Start: 2022.07.23 @ 04:30:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 7.58 in³

Resistivity: ohm.m

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	WM 35%W 75%M	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

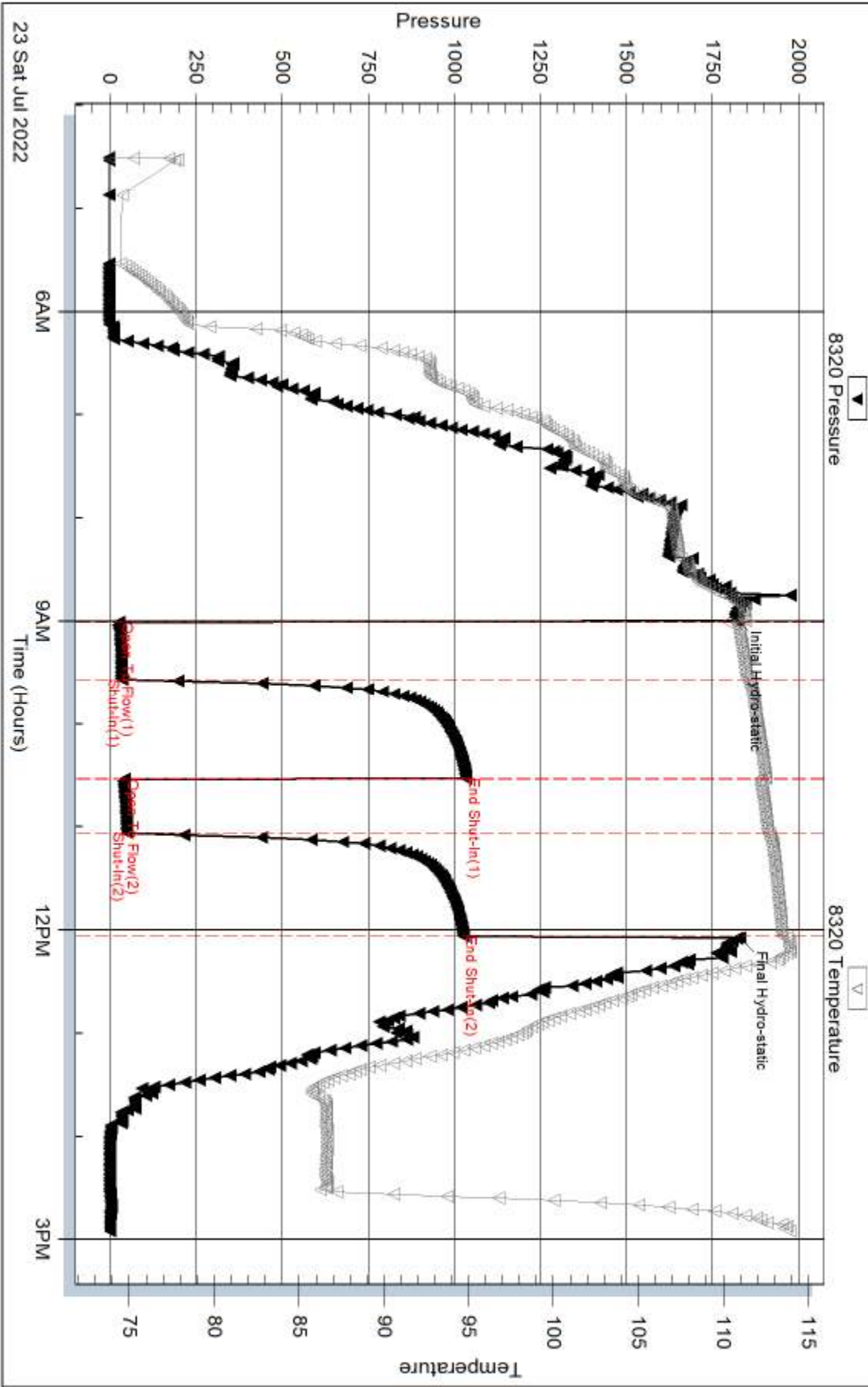
Serial #:

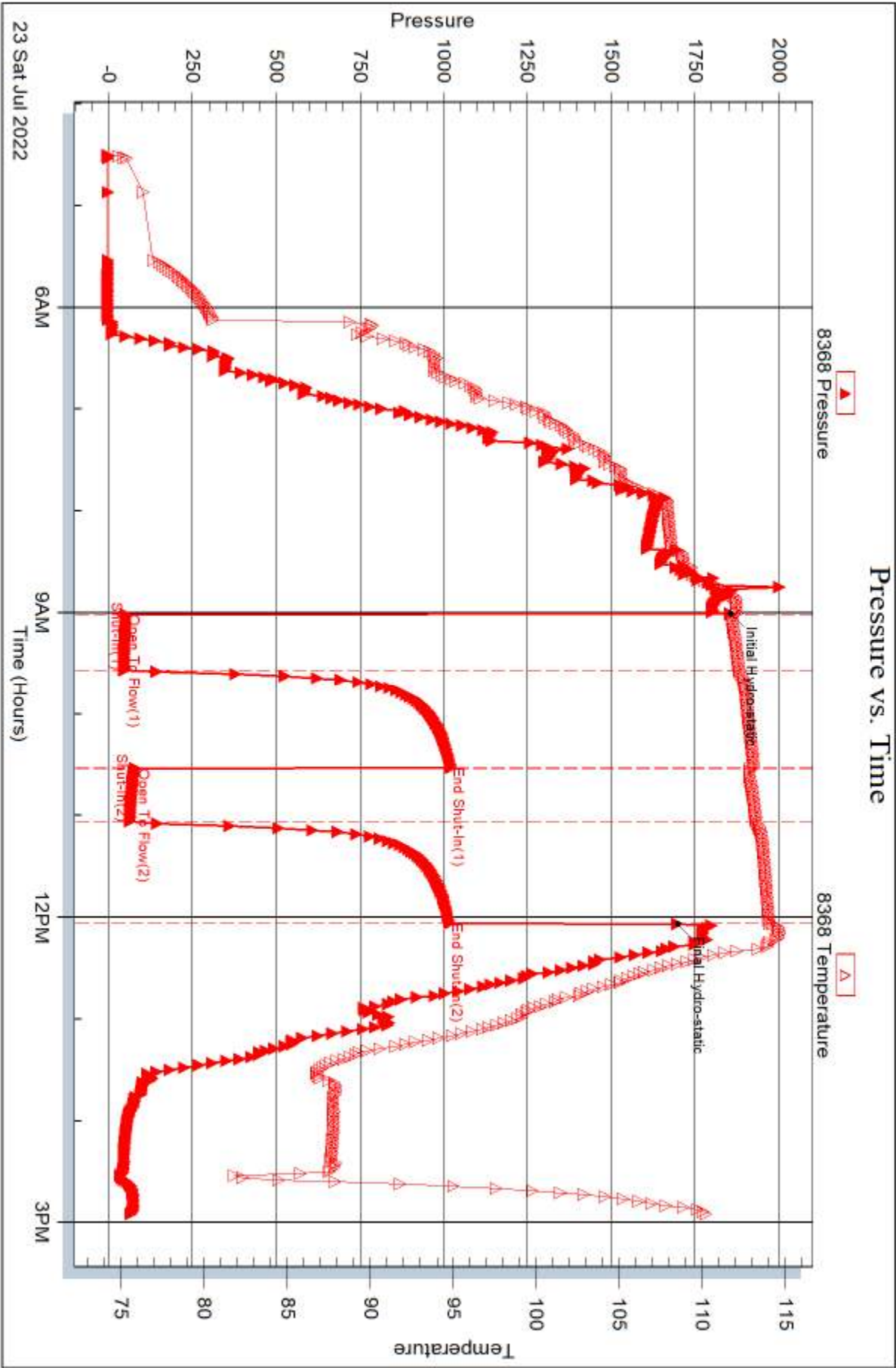
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Canyon Operating**

PO Box 7117
Loveland, CO.80537

ATTN: Clayton Erickson

Finley #19-1

19-9s-24w Graham,KS

Start Date: 2022.07.24 @ 03:20:00

End Date: 2022.07.24 @ 12:06:30

Job Ticket #: 69753 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.08.03 @ 17:16:00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69753

DST#: 2

ATTN: Clayton Erickson

Test Start: 2022.07.24 @ 03:20:00

GENERAL INFORMATION:

Formation: **LKC C - D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:12:45

Time Test Ended: 12:06:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 66

Interval: 3900.00 ft (KB) To 3945.00 ft (KB) (TVD)

Total Depth: 3945.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8320 Outside

Press@RunDepth: 387.06 psig @ 3901.00 ft (KB)

Start Date: 2022.07.24

End Date:

2022.07.24

Start Time: 03:20:05

End Time:

12:06:30

Capacity: 8000.00 psig

Last Calib.: 2022.07.24

Time On Btm: 2022.07.24 @ 06:12:30

Time Off Btm: 2022.07.24 @ 09:15:00

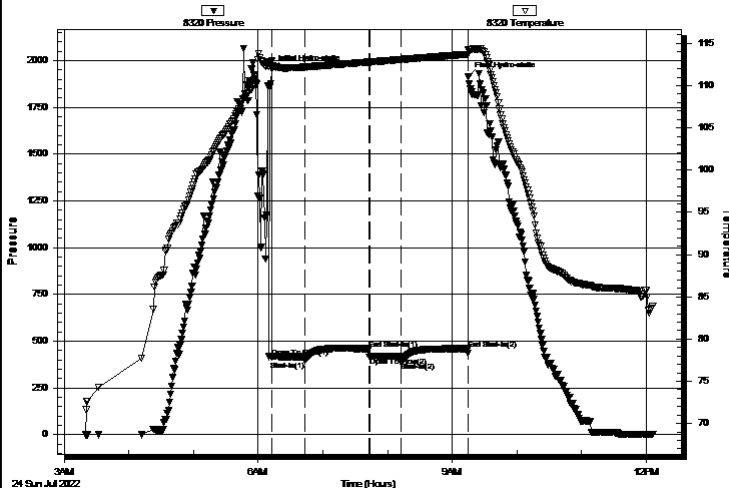
TEST COMMENT: IF-30-10 Inches then reset packer -No blow

ISI-60-No return

ff-30-No blow

FSI-60-No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1954.72	112.93	Initial Hydro-static
1	413.99	112.28	Open To Flow (1)
31	394.93	112.20	Shut-In(1)
91	456.79	112.80	End Shut-In(1)
91	414.98	112.80	Open To Flow (2)
121	387.06	113.09	Shut-In(2)
182	459.44	113.72	End Shut-In(2)
183	1913.52	114.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
780.00	mud 100%	9.80

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69753

DST#: 2

ATTN: Clayton Erickson

Test Start: 2022.07.24 @ 03:20:00

GENERAL INFORMATION:

Formation: **LKC C - D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:12:45

Time Test Ended: 12:06:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 66

Interval: 3900.00 ft (KB) To 3945.00 ft (KB) (TVD)

Total Depth: 3945.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8368 Inside

Press@RunDepth: psig @ 3901.00 ft (KB)

Start Date: 2022.07.24

End Date:

2022.07.24

Start Time: 03:20:05

End Time:

12:08:15

Capacity: 8000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

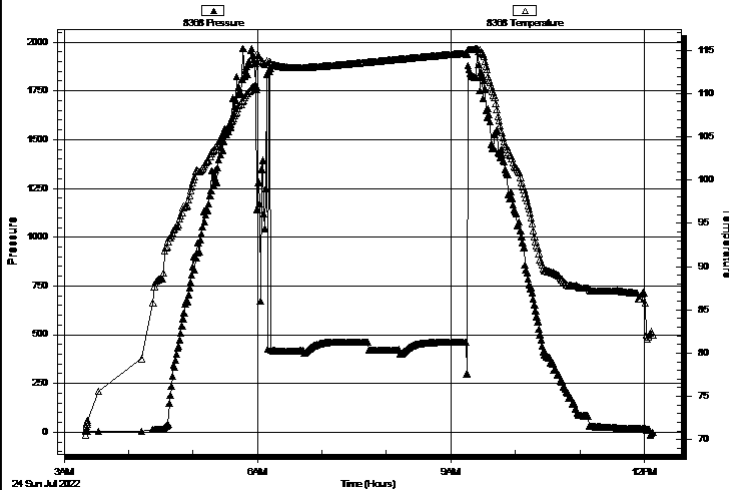
TEST COMMENT: IF-30-10 Inches then reset packer -No blow

ISI-60-No return

ff-30-No blow

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)
780.00	mud 100%	9.80

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

TOOL DIAGRAM

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69753

DST#: 2

ATTN: Clayton Erickson

Test Start: 2022.07.24 @ 03:20:00

Tool Information

Drill Pipe:	Length:	3780.00 ft	Diameter:	3.79 inches	Volume:	52.74 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	65000.00 lb
					Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:		31.00 ft					String Weight: Initial	58000.00 lb
Depth to Top Packer:		3900.00 ft					Final	63000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		45.00 ft						
Tool Length:		76.00 ft						
Number of Packers:		2	Diameter:	6.88 inches				
Tool Comments:								

Tool Description

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

Change Over Sub	1.00		3870.00	
Shut In Tool	5.00		3875.00	
Hydraulic tool	5.00		3880.00	
Jars	5.00		3885.00	
EM Tool	3.00		3888.00	
Safety Joint	3.00		3891.00	
Packer	5.00		3896.00	31.00 Bottom Of Top Packer
Packer	4.00		3900.00	
Stubb	1.00		3901.00	
Recorder	0.00	8368 Inside	3901.00	
Recorder	0.00	8320 Outside	3901.00	
Perforations	5.00		3906.00	
Change Over Sub	1.00		3907.00	
Drill Pipe	32.00		3939.00	
Change Over Sub	1.00		3940.00	
Perforations	2.00		3942.00	
Bullnose	3.00		3945.00	45.00 Bottom Packers & Anchor
Total Tool Length:	76.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69753

DST#: 2

ATTN: Clayton Erickson

Test Start: 2022.07.24 @ 03:20:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.58 in³

Resistivity: ohm.m

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
780.00	mud 100%	9.800

Total Length: 780.00 ft

Total Volume: 9.800 bbl

Num Fluid Samples: 0

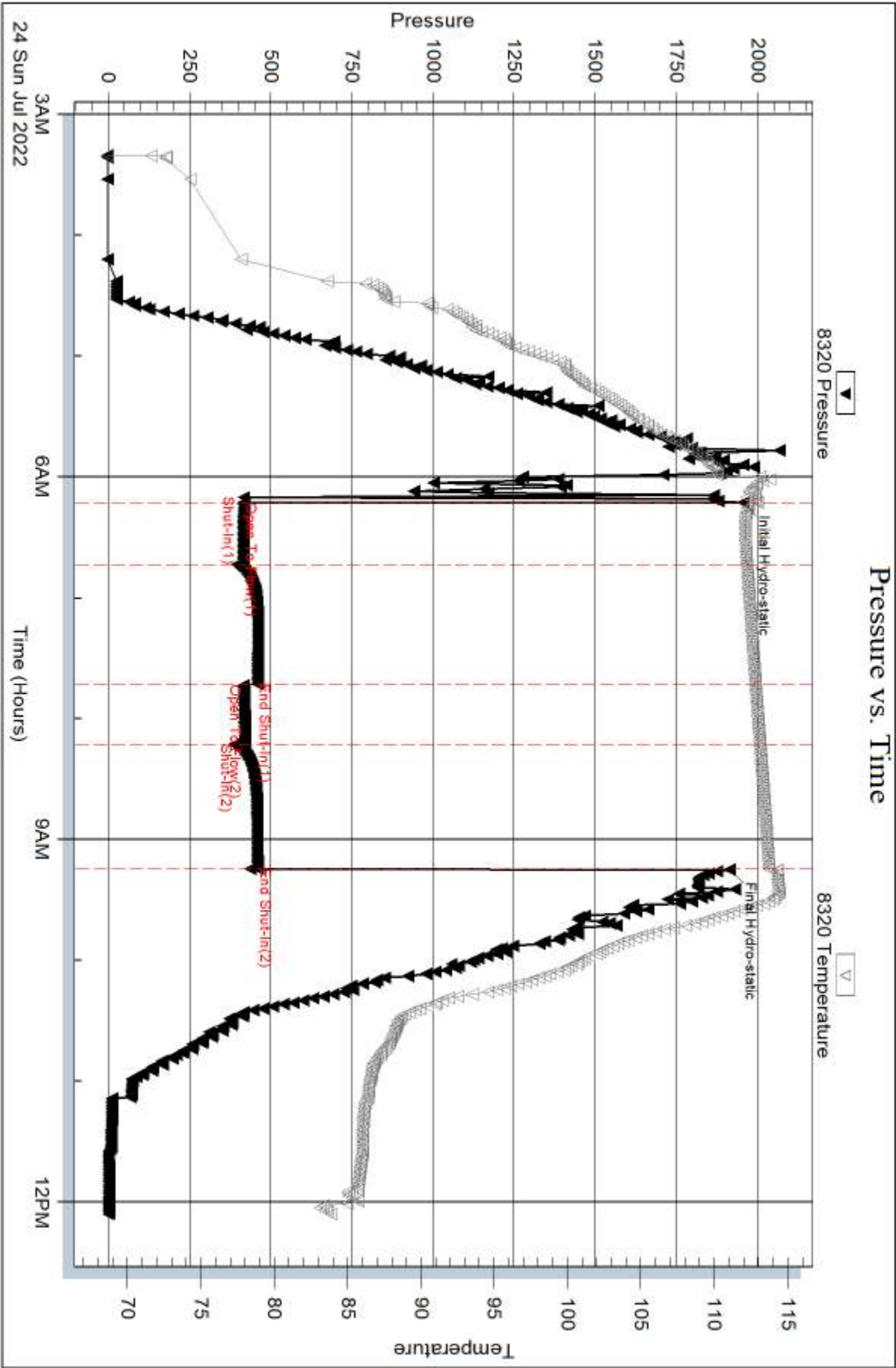
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



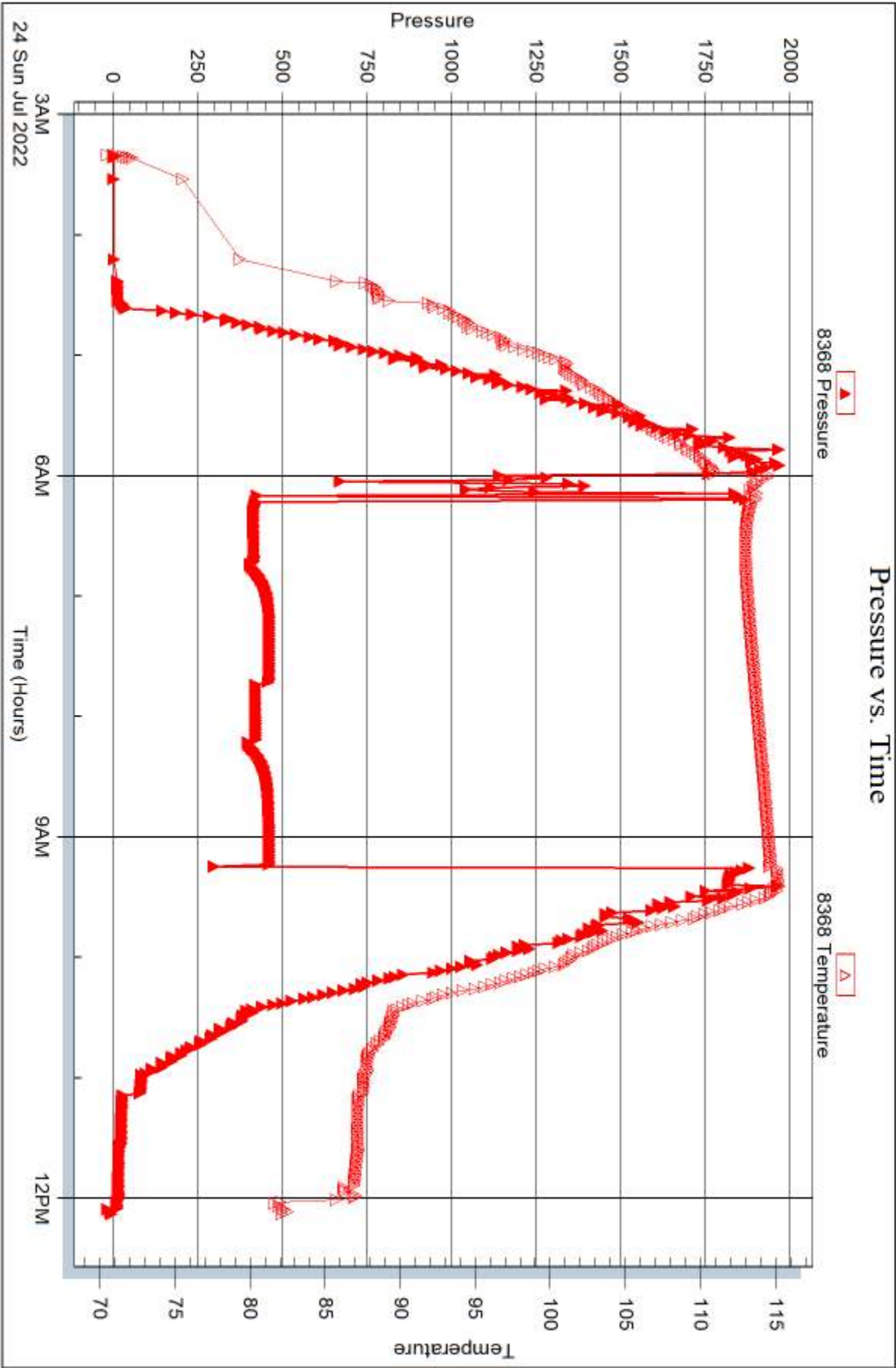
Serial #: 8368

Inside

Canyon Operating

Finley #19-1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Canyon Operating**

PO Box 7117
Loveland, CO.80537

ATTN: Clayton Erickson

Finley #19-1

19-9s-24w Graham,KS

Start Date: 2022.07.24 @ 14:10:00

End Date: 2022.07.24 @ 23:13:30

Job Ticket #: 69754 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.08.03 @ 17:15:15



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69754

DST#: 3

ATTN: Clayton Erickson

Test Start: 2022.07.24 @ 14:10:00

GENERAL INFORMATION:

Formation: **LKC C - D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:19:45

Time Test Ended: 23:13:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 66

Interval: 3897.00 ft (KB) To 3945.00 ft (KB) (TVD)

Total Depth: 3905.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8368 Inside

Press@RunDepth: 210.44 psig @ 3898.00 ft (KB)

Start Date: 2022.07.24

End Date:

2022.07.24

Start Time: 14:10:05

End Time:

23:13:30

Capacity: 8000.00 psig

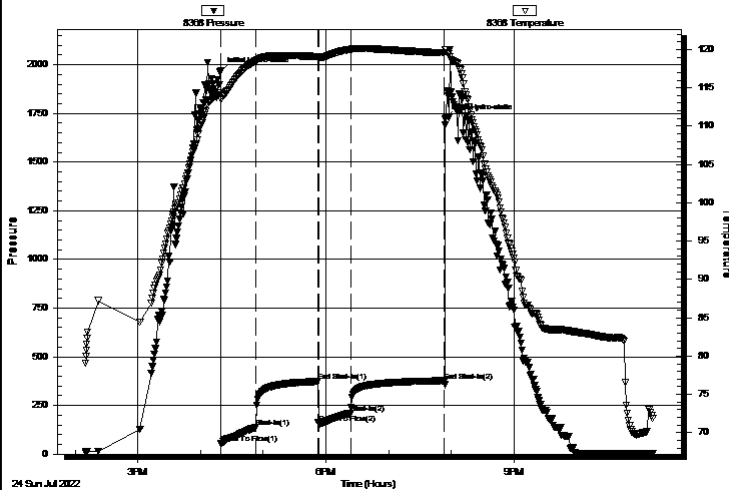
Last Calib.: 2022.07.24

Time On Btm: 2022.07.24 @ 16:19:30

Time Off Btm: 2022.07.24 @ 19:54:15

TEST COMMENT: IF-30-10 Inches
IS-60-2 Inches return
FF-30-30Inches
FS-90-12 Inches return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1966.57	114.40	Initial Hydro-static
1	54.82	113.51	Open To Flow (1)
33	136.68	118.49	Shut-In(1)
93	373.05	119.08	End Shut-In(1)
94	158.70	119.02	Open To Flow (2)
124	210.44	120.01	Shut-In(2)
214	376.27	119.56	End Shut-In(2)
215	1723.11	119.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
260.00	100% water	2.54
60.00	40%oil 20%water 40%mud	0.84
60.00	40%oil 60%mud	0.84
120.00	100%oil	1.67
0.00	180 gas	0.00

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

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69754

DST#: 3

ATTN: Clayton Erickson

Test Start: 2022.07.24 @ 14:10:00

GENERAL INFORMATION:

Formation: **LKC C - D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:19:45

Time Test Ended: 23:13:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 66

Interval: 3897.00 ft (KB) To 3945.00 ft (KB) (TVD)

Total Depth: 3905.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8320 Outside

Press@RunDepth: psig @ 3898.00 ft (KB)

Start Date: 2022.07.24

End Date:

2022.07.24

Start Time: 14:10:05

End Time:

23:14:15

Capacity: 8000.00 psig

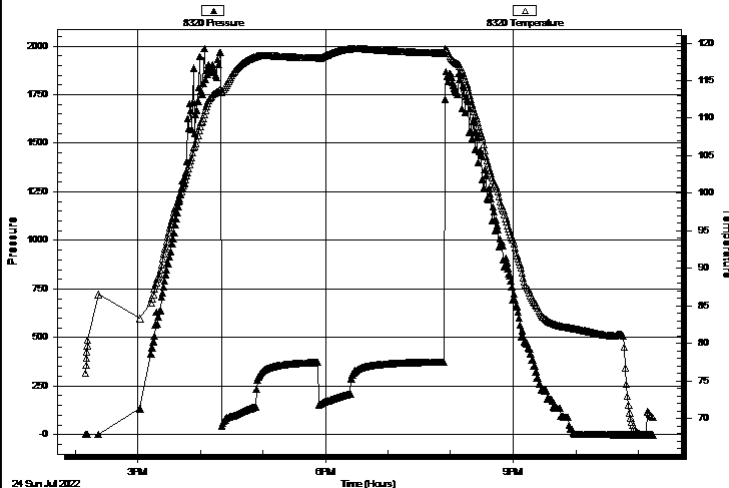
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30-10 Inches
IS-60-2 Inches return
FF-30-30Inches
FS-90-12 Inches return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
260.00	100% w water	2.54
60.00	40%oil 20%w ater 40%mud	0.84
60.00	40%oil 60%mud	0.84
120.00	100%oil	1.67
0.00	180 gas	0.00

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

TOOL DIAGRAM

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69754

DST#: 3

ATTN: Clayton Erickson

Test Start: 2022.07.24 @ 14:10:00

Tool Information

Drill Pipe:	Length:	3748.00 ft	Diameter:	3.79 inches	Volume:	52.30 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	66000.00 lb
					Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:		2.00 ft					String Weight: Initial	60000.00 lb
Depth to Top Packer:		3897.00 ft					Final	64000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		48.00 ft						
Tool Length:		79.00 ft						
Number of Packers:		2	Diameter:	6.88 inches				
Tool Comments:								

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		3867.00	
Shut In Tool	5.00		3872.00	
Hydraulic tool	5.00		3877.00	
Jars	5.00		3882.00	
EM Tool	3.00		3885.00	
Safety Joint	3.00		3888.00	
Packer	5.00		3893.00	31.00 Bottom Of Top Packer
Packer	4.00		3897.00	
Stubb	1.00		3898.00	
Recorder	0.00	8368 Inside	3898.00	
Recorder	0.00	8320 Outside	3898.00	
Perforations	5.00		3903.00	
Change Over Sub	1.00		3904.00	
Drill Pipe	32.00		3936.00	
Change Over Sub	1.00		3937.00	
Perforations	5.00		3942.00	
Bullnose	3.00		3945.00	48.00 Bottom Packers & Anchor
Total Tool Length:	79.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69754

DST#: 3

ATTN: Clayton Erickson

Test Start: 2022.07.24 @ 14:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.58 in³

Resistivity: ohm.m

Salinity: 2400.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

27 deg API

Water Salinity:

85000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
260.00	100% water	2.544
60.00	40%oil 20%water 40%mud	0.837
60.00	40%oil 60%mud	0.837
120.00	100%oil	1.674
0.00	180 gas	0.000

Total Length: 500.00 ft

Total Volume: 5.892 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

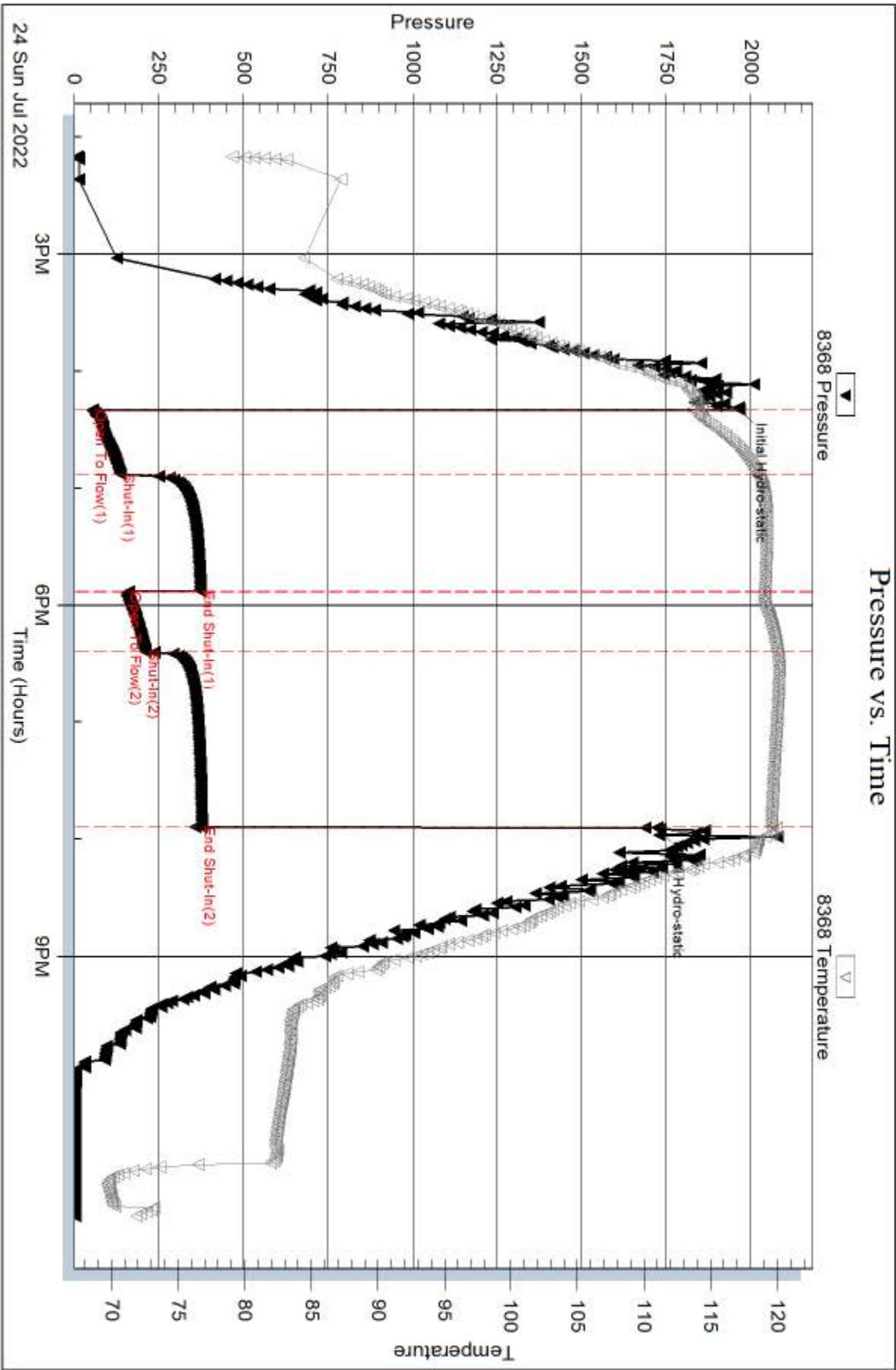
Serial #: 8368

Inside

Canyon Operating

Finley #19-1

DST Test Number: 3

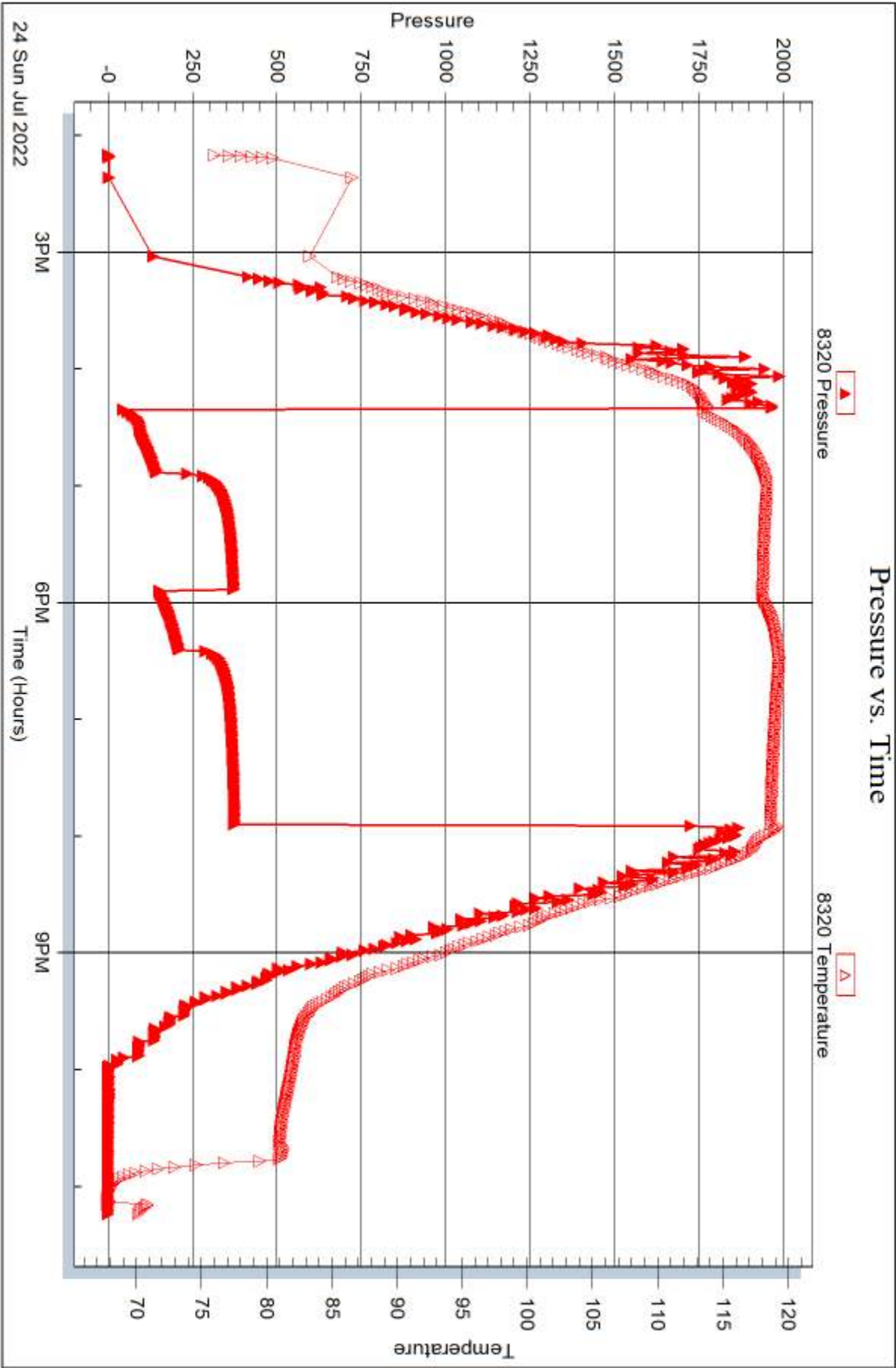


Serial #: 8320

Outside Canyon Operating

Finley #19-1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Canyon Operating**

PO Box 7117
Loveland, CO.80537

ATTN: Clayton Erickson

Finley #19-1

19-9s-24w Graham,KS

Start Date: 2022.07.25 @ 10:40:00

End Date: 2022.07.25 @ 19:13:45

Job Ticket #: 69754 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.08.03 @ 17:09:14



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69754

DST#: 4

ATTN: Clayton Erickson

Test Start: 2022.07.25 @ 10:40:00

GENERAL INFORMATION:

Formation: **LKC E - F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:46:00

Time Test Ended: 19:13:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 66

Interval: 3945.00 ft (KB) To 3975.00 ft (KB) (TVD)

Reference Elevations: 2555.00 ft (KB)

Total Depth: 3905.00 ft (KB) (TVD)

2548.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8957 Outside

Press@RunDepth: 129.56 psig @ 3946.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.07.25

End Date:

2022.07.25

Last Calib.: 2022.07.25

Start Time: 10:40:01

End Time:

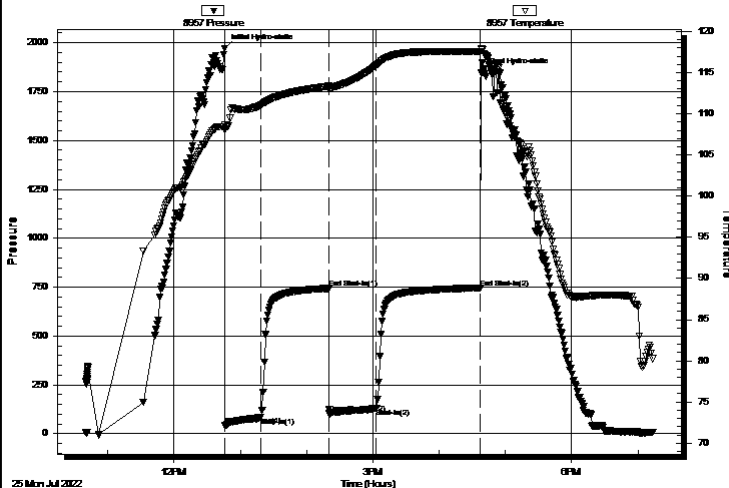
19:13:45

Time On Btm: 2022.07.25 @ 12:45:45

Time Off Btm: 2022.07.25 @ 16:38:15

TEST COMMENT: IF-30-15 Inches
ISI-60-No return
FF-45-25 Inches
FSI-90-No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1970.96	108.62	Initial Hydro-static
1	41.65	108.00	Open To Flow (1)
33	83.48	111.03	Shut-In(1)
95	743.50	113.35	End Shut-In(1)
95	106.25	113.17	Open To Flow (2)
138	129.56	115.88	Shut-In(2)
232	745.97	117.57	End Shut-In(2)
233	1844.94	117.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	10%oil 30%water 60%mud	0.30
60.00	30%oil 70%mud	0.30
100.00	100%oil	1.40
0.00	180 gas	0.00

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

Canyon Operating

19-9s-24w Graham, KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69754

DST#: 4

ATTN: Clayton Erickson

Test Start: 2022.07.25 @ 10:40:00

GENERAL INFORMATION:

Formation: **LKC E - F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:46:00

Time Test Ended: 19:13:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 66

Interval: 3945.00 ft (KB) To 3975.00 ft (KB) (TVD)

Total Depth: 3905.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8368 Inside

Press@RunDepth: psig @ 3946.00 ft (KB)

Start Date: 2022.07.25

End Date:

2022.07.25

Start Time: 10:40:05

End Time:

19:13:45

Capacity: 8000.00 psig

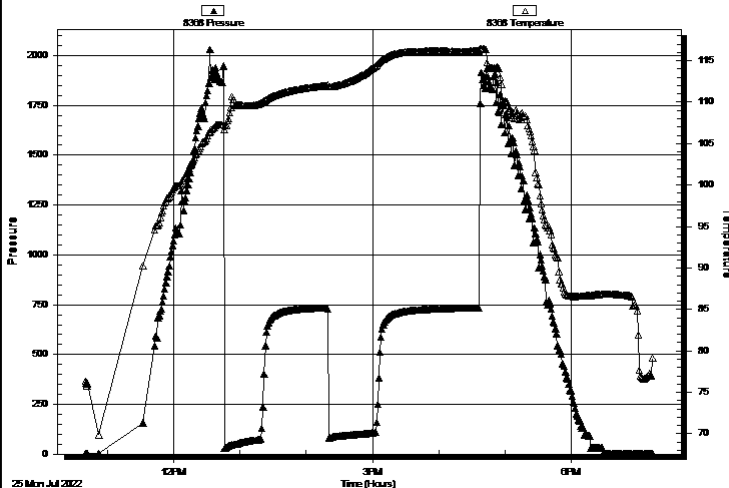
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30-15 Inches
IS-60-No return
FF-45-25 Inches
FS-90-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)
60.00	10%oil 30%water 60%mud	0.30
60.00	30%oil 70%mud	0.30
100.00	100%oil	1.40
0.00	180 gas	0.00

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

TOOL DIAGRAM

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69754

DST#: 4

ATTN: Clayton Erickson

Test Start: 2022.07.25 @ 10:40:00

Tool Information

Drill Pipe:	Length:	3813.00 ft	Diameter:	3.79 inches	Volume:	53.21 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	65000.00 lb
					Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:		19.00 ft					String Weight: Initial	58000.00 lb
Depth to Top Packer:		3945.00 ft					Final	61000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		30.00 ft						
Tool Length:		61.00 ft						
Number of Packers:		2	Diameter:	6.88 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3915.00	
Shut In Tool	5.00			3920.00	
Hydraulic tool	5.00			3925.00	
Jars	5.00			3930.00	
EM Tool	3.00			3933.00	
Safety Joint	3.00			3936.00	
Packer	5.00			3941.00	31.00 Bottom Of Top Packer
Packer	4.00			3945.00	
Stubb	1.00			3946.00	
Recorder	0.00	8368	Inside	3946.00	
Recorder	0.00	8957	Outside	3946.00	
Perforations	5.00			3951.00	
Perforations	21.00			3972.00	
Bullnose	3.00			3975.00	30.00 Bottom Packers & Anchor

Total Tool Length: 61.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69754

DST#: 4

ATTN: Clayton Erickson

Test Start: 2022.07.25 @ 10:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

40 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	10%oil 30%w ater 60%mud	0.295
60.00	30%oil 70%mud	0.295
100.00	100%oil	1.395
0.00	180 gas	0.000

Total Length: 220.00 ft

Total Volume: 1.985 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

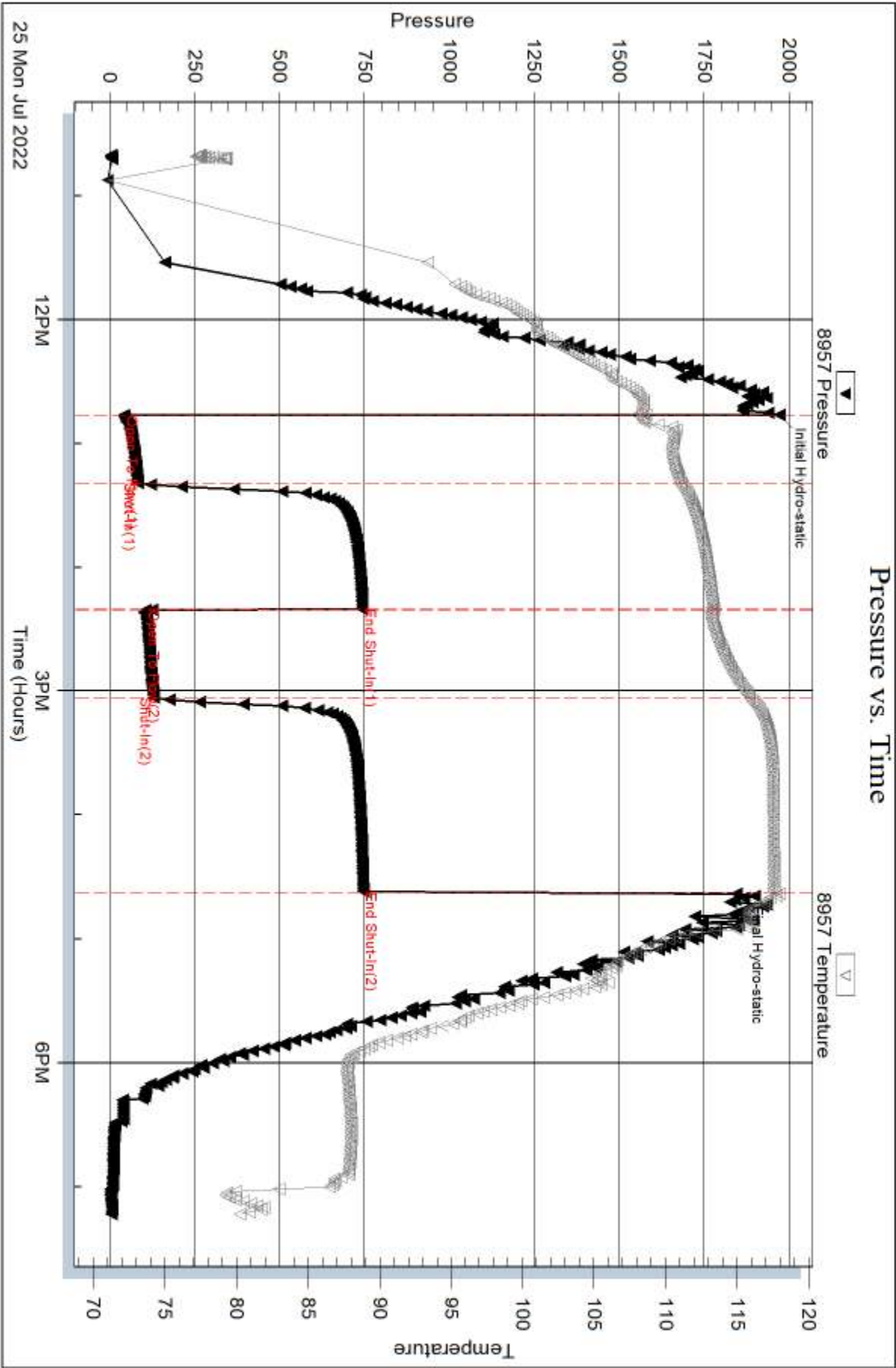
Recovery Comments:

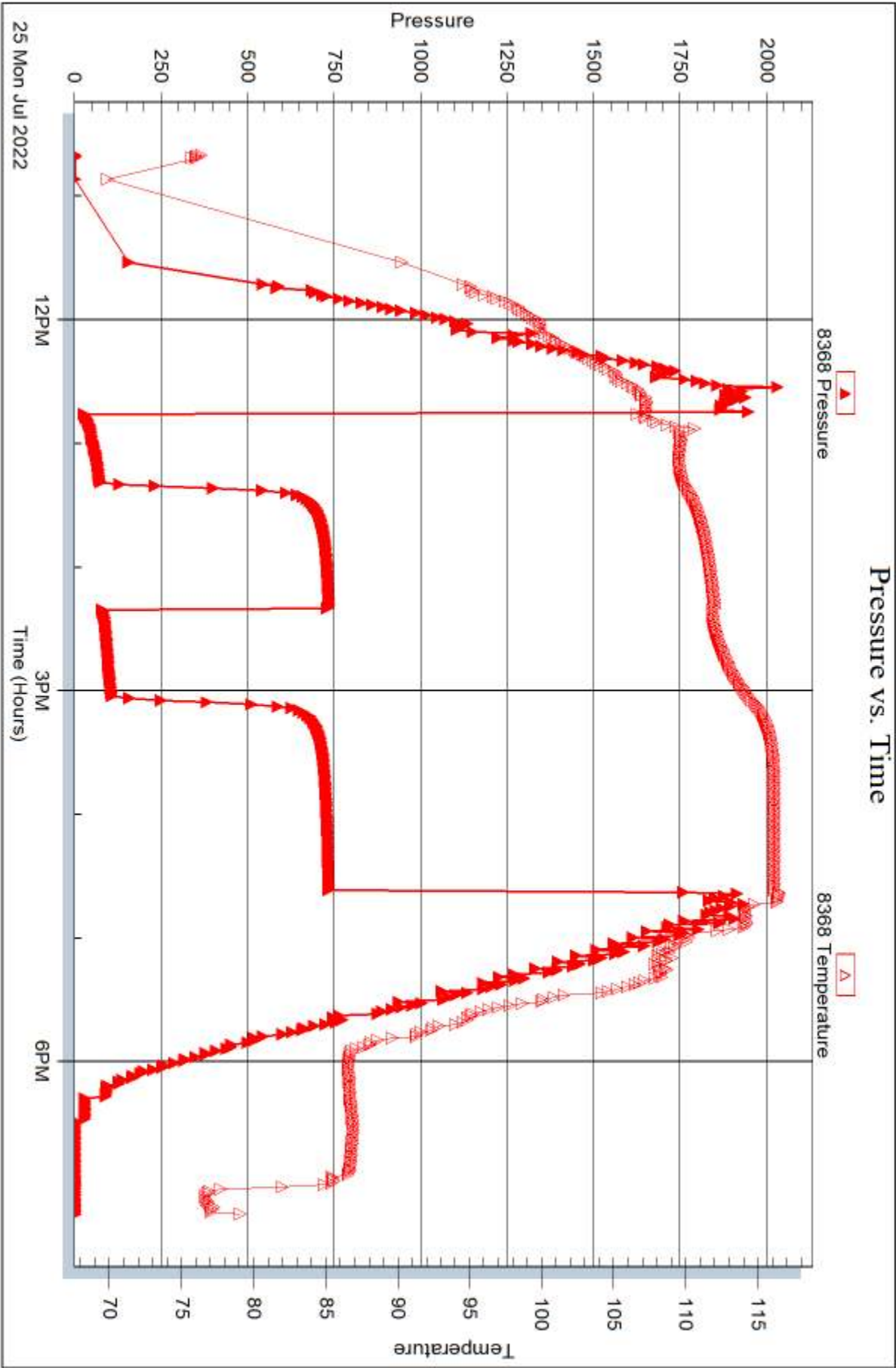
Serial #: 8957

Outside Canyon Operating

Finley #19-1

DST Test Number: 4







DRILL STEM TEST REPORT

Prepared For: **Canyon Operating**

PO Box 7117
Loveland, CO.80537

ATTN: Clayton Erickson

Finley #19-1

19-9s-24w Graham,KS

Start Date: 2022.07.26 @ 09:30:00

End Date: 2022.07.26 @ 18:26:30

Job Ticket #: 69756 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.08.03 @ 17:01:50



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69756

DST#: 5

ATTN: Clayton Erickson

Test Start: 2022.07.26 @ 09:30:00

GENERAL INFORMATION:

Formation: **LKC H - I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:52:15

Time Test Ended: 18:26:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 66

Interval: 3999.00 ft (KB) To 4057.00 ft (KB) (TVD)

Total Depth: 3905.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8957

Press@RunDepth: 66.97 psig @ 4000.00 ft (KB)

Start Date: 2022.07.26

End Date:

2022.07.26

Start Time: 09:30:01

End Time:

18:26:30

Capacity: 8000.00 psig

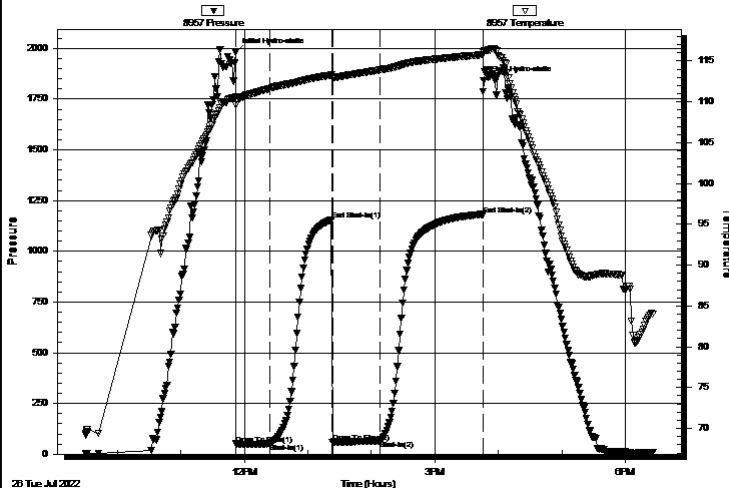
Last Calib.: 2022.07.26

Time On Btm: 2022.07.26 @ 11:51:45

Time Off Btm: 2022.07.26 @ 15:46:00

TEST COMMENT: IF-30-2Inches
IS-60- No return
FF-45- 15 Inches
FS-90- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1980.27	110.60	Initial Hydro-static
1	49.01	110.22	Open To Flow (1)
33	52.22	111.65	Shut-In(1)
91	1153.44	113.27	End Shut-In(1)
92	59.24	113.02	Open To Flow (2)
137	66.97	113.91	Shut-In(2)
234	1181.71	115.77	End Shut-In(2)
235	1842.65	116.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	50%oil 50%mud	0.30
5.00	100% oil	0.02
0.00	325' gas	0.00

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

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69756

DST#: 5

ATTN: Clayton Erickson

Test Start: 2022.07.26 @ 09:30:00

GENERAL INFORMATION:

Formation: **LKC H - I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:52:15

Time Test Ended: 18:26:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 66

Interval: 3999.00 ft (KB) To 4057.00 ft (KB) (TVD)

Total Depth: 3905.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8368 Inside

Press@RunDepth: psig @ 4000.00 ft (KB)

Start Date: 2022.07.26

End Date:

2022.07.26

Start Time: 09:30:05

End Time:

18:26:15

Capacity: 8000.00 psig

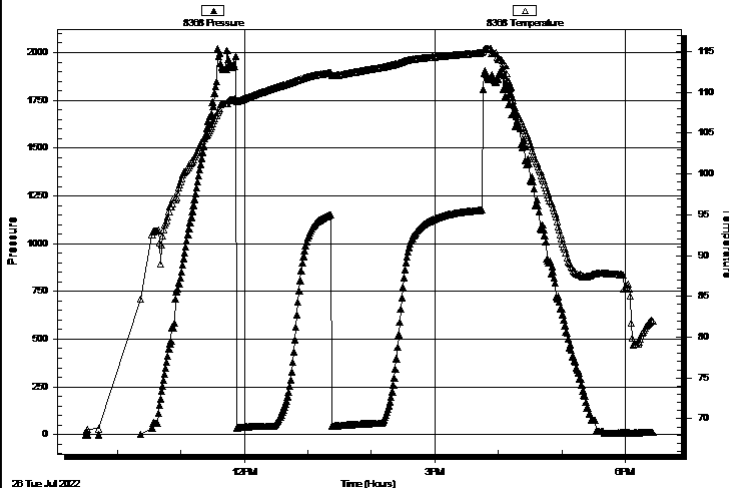
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30-2Inches
IS-60- No return
FF-45- 15 Inches
FS-90- 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)
60.00	50%oil 50%mud	0.30
5.00	100% oil	0.02
0.00	325' gas	0.00

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

TOOL DIAGRAM

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69756

DST#: 5

ATTN: Clayton Erickson

Test Start: 2022.07.26 @ 09:30:00

Tool Information

Drill Pipe:	Length:	3878.00 ft	Diameter:	3.79 inches	Volume:	54.11 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	62000.00 lb
					Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:		30.00 ft					String Weight: Initial	58000.00 lb
Depth to Top Packer:		3999.00 ft					Final	61000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		58.00 ft						
Tool Length:		89.00 ft						
Number of Packers:		2	Diameter:	6.88 inches				
Tool Comments:								

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		3969.00	
Shut In Tool	5.00		3974.00	
Hydraulic tool	5.00		3979.00	
Jars	5.00		3984.00	
EM Tool	3.00		3987.00	
Safety Joint	3.00		3990.00	
Packer	5.00		3995.00	31.00 Bottom Of Top Packer
Packer	4.00		3999.00	
Stubb	1.00		4000.00	
Recorder	0.00	8368 Inside	4000.00	
Recorder	0.00	8320 Outside	4000.00	
Perforations	5.00		4005.00	
Change Over Sub	1.00		4006.00	
Drill Pipe	32.00		4038.00	
Change Over Sub	1.00		4039.00	
Perforations	15.00		4054.00	
Bullnose	3.00		4057.00	58.00 Bottom Packers & Anchor
Total Tool Length:	89.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69756

DST#: 5

ATTN: Clayton Erickson

Test Start: 2022.07.26 @ 09:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 7.97 in³

Resistivity: ohm.m

Salinity: 3700.00 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:

40 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	50%oil 50%mud	0.295
5.00	100% oil	0.025
0.00	325' gas	0.000

Total Length: 65.00 ft

Total Volume: 0.320 bbl

Num Fluid Samples: 0

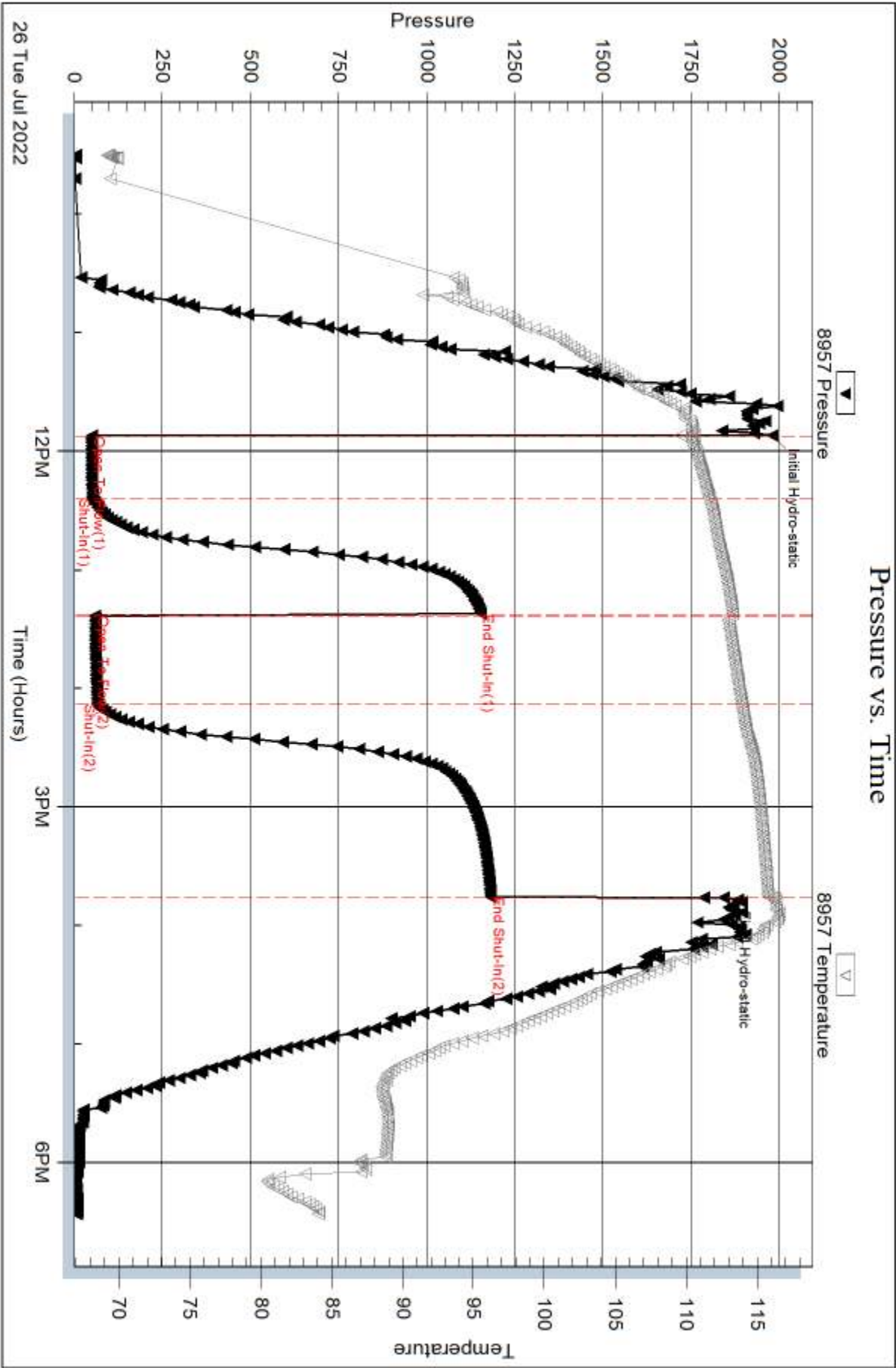
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



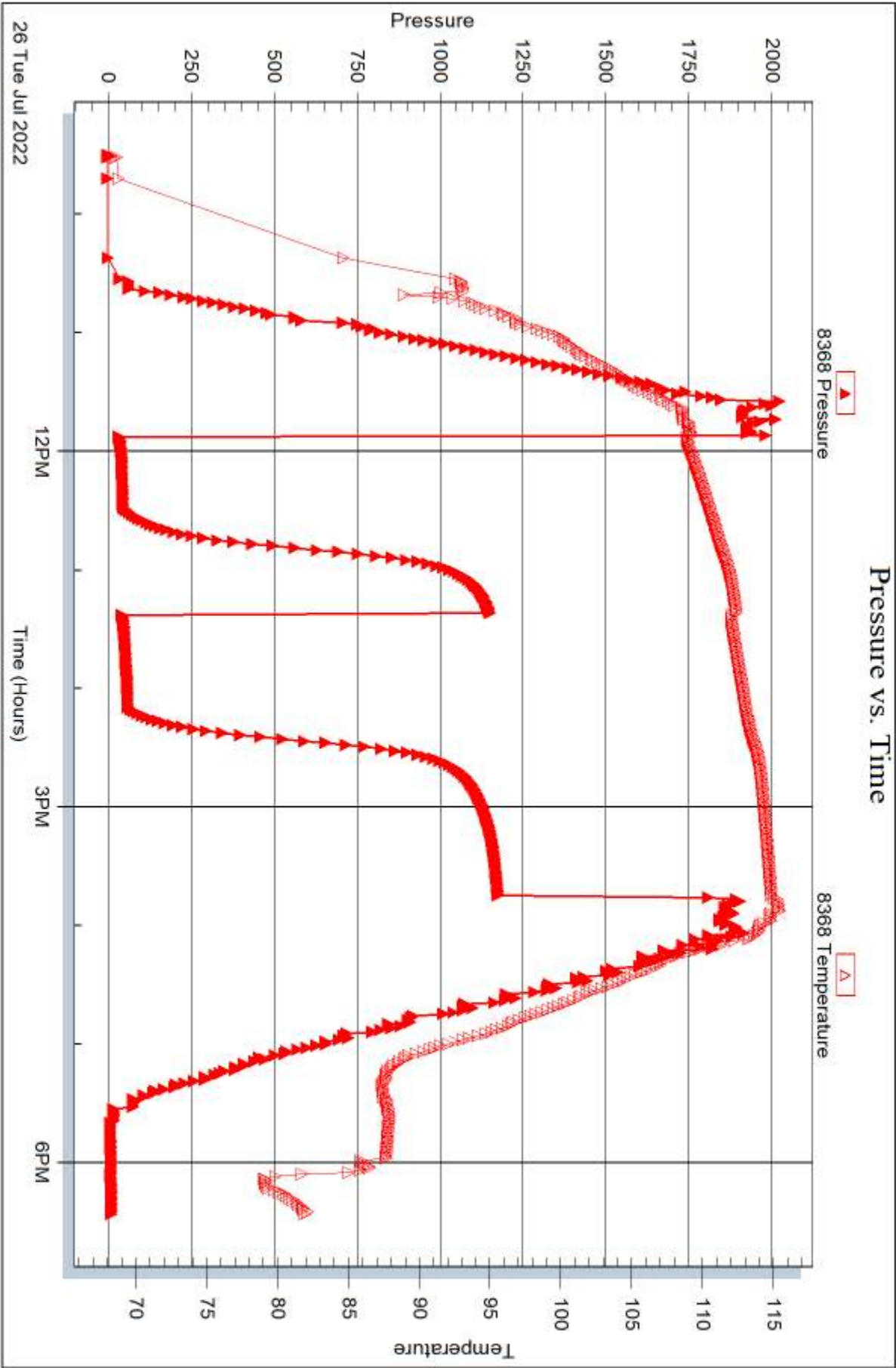
Serial #: 8368

Inside

Canyon Operating

Finley #19-1

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **Canyon Operating**

PO Box 7117
Loveland, CO.80537

ATTN: Clayton Erickson

Finley #19-1

19-9s-24w Graham,KS

Start Date: 2022.07.27 @ 04:00:00

End Date: 2022.07.27 @ 13:52:45

Job Ticket #: 69757 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.08.03 @ 16:58:46



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69757

DST#: 6

ATTN: Clayton Erickson

Test Start: 2022.07.27 @ 04:00:00

GENERAL INFORMATION:

Formation: **L/KC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:58:45

Time Test Ended: 13:52:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 66

Interval: 4050.00 ft (KB) To 4080.00 ft (KB) (TVD)

Total Depth: 3905.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8957 Outside

Press@RunDepth: 735.54 psig @ 4056.00 ft (KB)

Start Date: 2022.07.27

End Date:

2022.07.27

Start Time: 04:00:01

End Time:

13:52:45

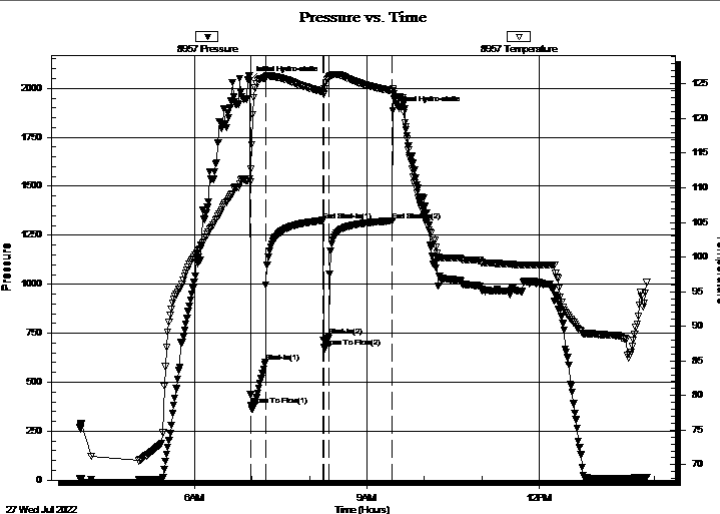
Capacity: 8000.00 psig

Last Calib.: 2022.07.27

Time On Btm: 2022.07.27 @ 06:57:45

Time Off Btm: 2022.07.27 @ 09:27:00

TEST COMMENT: IF-15-398 Inches
ISI-60-54 Inches
FSI-5- 168 Inches ,gas to surface
ISI-60-6 Inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.73	111.27	Initial Hydro-static
1	384.08	112.69	Open To Flow (1)
17	602.48	125.86	Shut-In(1)
77	1325.74	123.88	End Shut-In(1)
77	679.04	123.62	Open To Flow (2)
83	735.54	125.90	Shut-In(2)
149	1324.07	124.01	End Shut-In(2)
150	1887.86	124.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2160.00	199%oil	29.06
0.00	1830' gas	0.00

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

Canyon Operating

19-9s-24w Graham, KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69757

DST#: 6

ATTN: Clayton Erickson

Test Start: 2022.07.27 @ 04:00:00

GENERAL INFORMATION:

Formation: **L/KC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:58:45

Time Test Ended: 13:52:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 66

Interval: 4050.00 ft (KB) To 4080.00 ft (KB) (TVD)

Total Depth: 3905.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8368 Inside

Press@RunDepth: psig @ 4056.00 ft (KB)

Start Date: 2022.07.27

End Date:

2022.07.27

Start Time: 04:00:05

End Time:

13:52:45

Capacity: 8000.00 psig

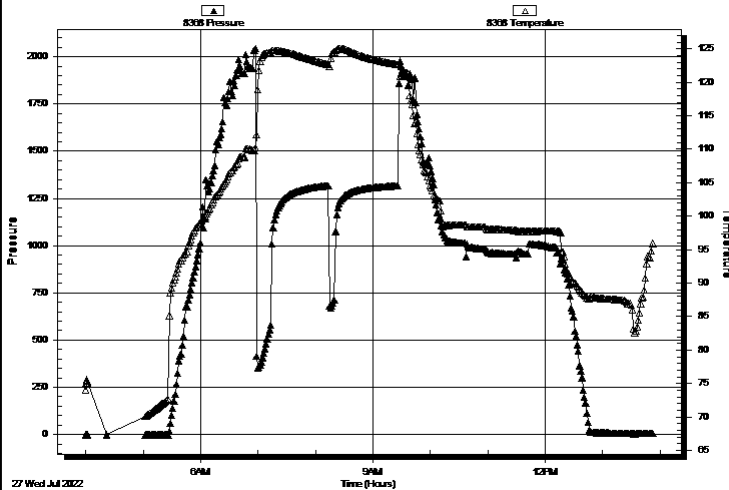
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-15-398 Inches
ISI-60-54 Inches
FSI-5- 168 Inches ,gas to surface
ISI-60-6 Inches

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
2160.00	199%oil	29.06
0.00	1830' gas	0.00

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

TOOL DIAGRAM

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69757

DST#: 6

ATTN: Clayton Erickson

Test Start: 2022.07.27 @ 04:00:00

Tool Information

Drill Pipe:	Length:	3910.00 ft	Diameter:	3.79 inches	Volume:	54.56 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:		11.00 ft					String Weight: Initial	58000.00 lb
Depth to Top Packer:		4050.00 ft					Final	68000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		30.00 ft						
Tool Length:		61.00 ft						
Number of Packers:		2	Diameter:	6.88 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4020.00	
Shut In Tool	5.00			4025.00	
Hydraulic tool	5.00			4030.00	
Jars	5.00			4035.00	
EM Tool	3.00			4038.00	
Safety Joint	3.00			4041.00	
Packer	5.00			4046.00	31.00 Bottom Of Top Packer
Packer	4.00			4050.00	
Stubb	1.00			4051.00	
Perforations	5.00			4056.00	
Recorder	0.00	8368	Inside	4056.00	
Recorder	0.00	8957	Outside	4056.00	
Perforations	21.00			4077.00	
Bullnose	3.00			4080.00	30.00 Bottom Packers & Anchor

Total Tool Length: 61.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69757

DST#: 6

ATTN: Clayton Erickson

Test Start: 2022.07.27 @ 04:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

42 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2160.00	199%oil	29.056
0.00	1830' gas	0.000

Total Length: 2160.00 ft

Total Volume: 29.056 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

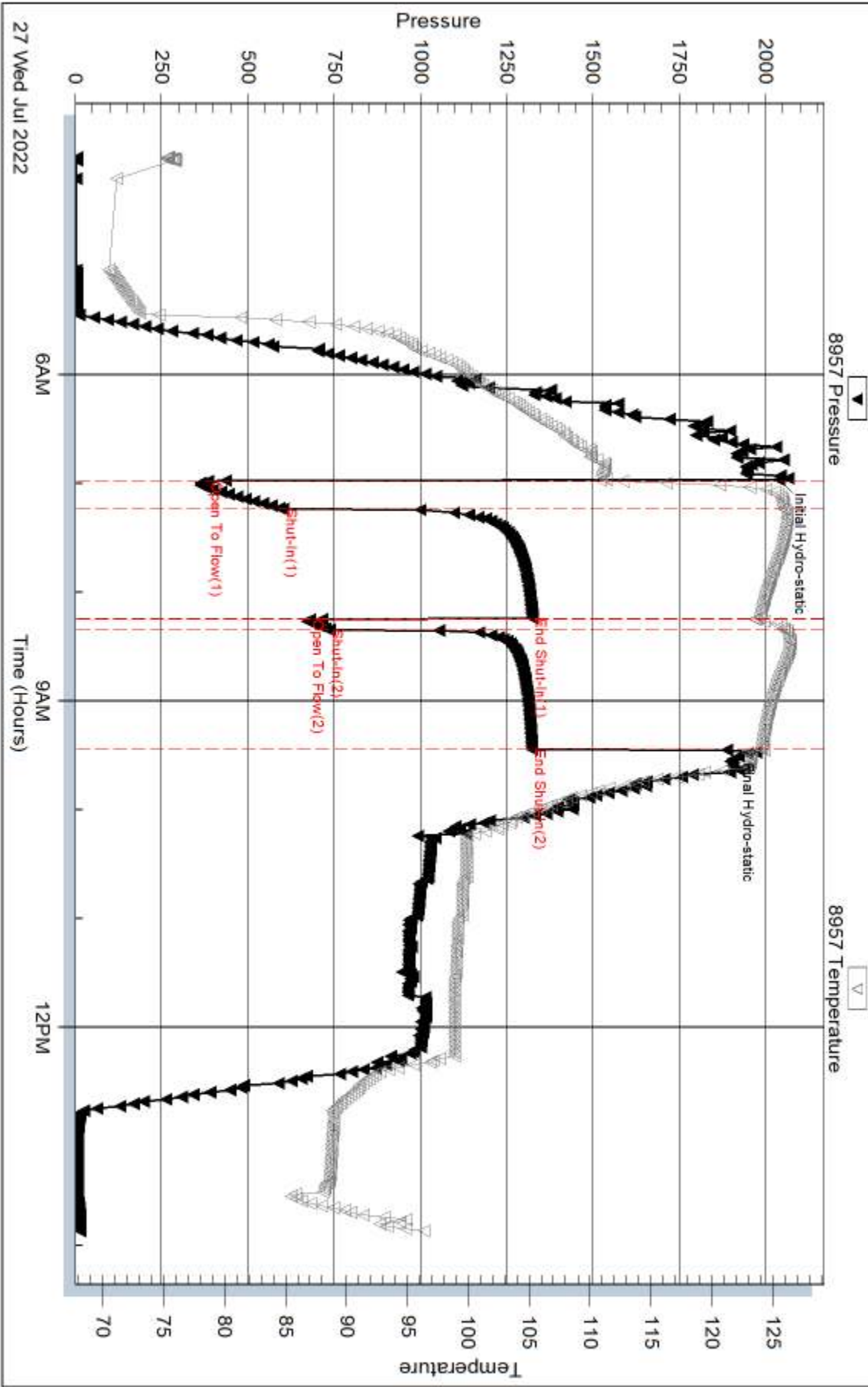
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



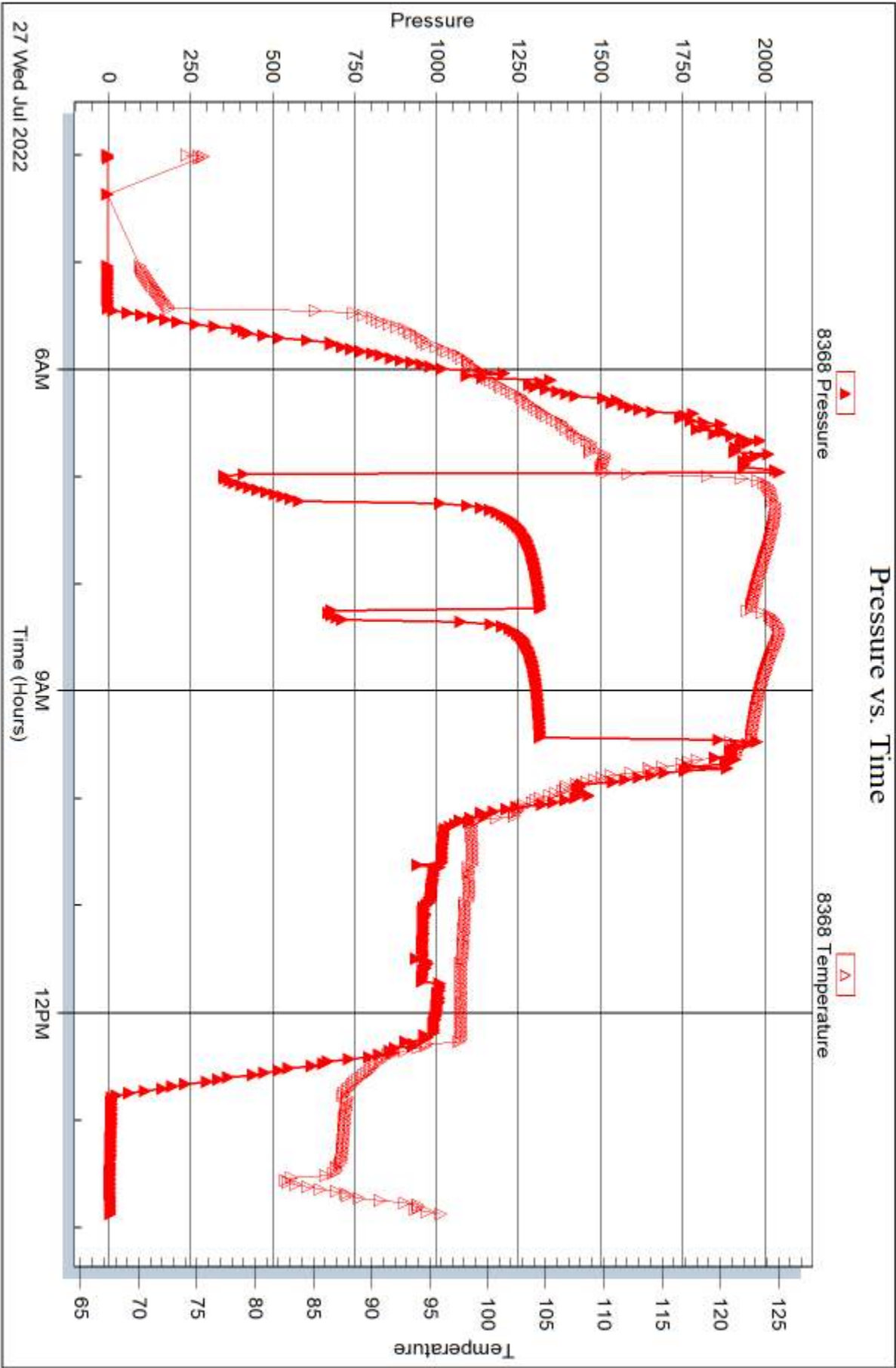
Serial #: 8368

Inside

Canyon Operating

Finley #19-1

DST Test Number: 6





DRILL STEM TEST REPORT

Prepared For: **Canyon Operating**

PO Box 7117
Loveland, CO.80537

ATTN: Clayton Erickson

Finley #19-1

19-9s-24w Graham,KS

Start Date: 2022.07.28 @ 00:30:00

End Date: 2022.07.28 @ 09:46:00

Job Ticket #: 69758 DST #: 7

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.08.03 @ 16:58:09



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69758

DST#: 7

ATTN: Clayton Erickson

Test Start: 2022.07.28 @ 00:30:00

GENERAL INFORMATION:

Formation: **LKC K - L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:47:30

Time Test Ended: 09:46:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 66

Interval: 4076.00 ft (KB) To 4120.00 ft (KB) (TVD)

Total Depth: 3905.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8368 Inside

Press@RunDepth: 92.32 psig @ 4082.00 ft (KB)

Start Date: 2022.07.28

End Date:

2022.07.28

Start Time: 00:30:05

End Time:

09:46:00

Capacity: 8000.00 psig

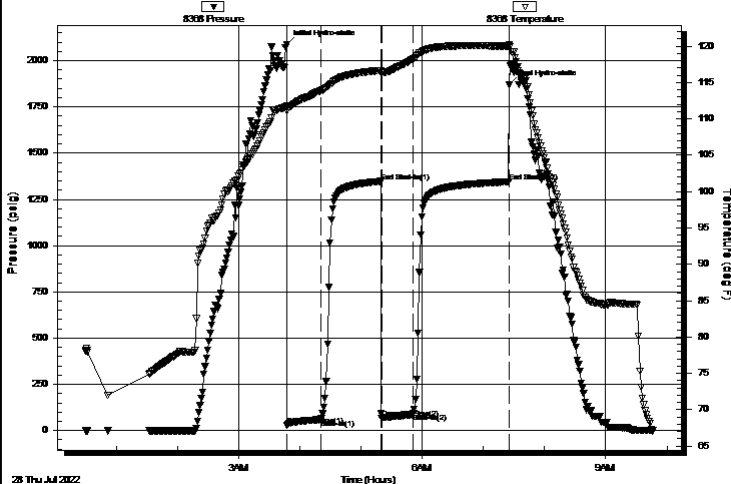
Last Calib.: 2022.07.28

Time On Btm: 2022.07.28 @ 03:47:15

Time Off Btm: 2022.07.28 @ 07:25:15

TEST COMMENT: IF-30-18 Inches
IS-60-2 Inches return
FF-30-40 Inches
FS-90-7 Inches return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2087.71	111.85	Initial Hydro-static
1	28.72	111.04	Open To Flow (1)
34	59.59	113.88	Shut-In(1)
92	1347.27	116.67	End Shut-In(1)
93	67.90	116.38	Open To Flow (2)
125	92.32	118.24	Shut-In(2)
218	1345.31	120.01	End Shut-In(2)
218	1867.91	120.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mco 50% mud 50% oil	0.30
90.00	100% oil	0.71
0.00	600 gas	0.00

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

Canyon Operating

PO Box 7117
Loveland, CO.80537

ATTN: Clayton Erickson

19-9s-24w Graham,KS

Finley #19-1

Job Ticket: 69758

DST#: 7

Test Start: 2022.07.28 @ 00:30:00

GENERAL INFORMATION:

Formation: **LKC K - L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:47:30

Time Test Ended: 09:46:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Terrance

Unit No: 66

Interval: 4076.00 ft (KB) To 4120.00 ft (KB) (TVD)

Total Depth: 3905.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2555.00 ft (KB)

2548.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8957

Press@RunDepth: psig @ ft (KB)

Start Date: 2022.07.28

End Date:

2022.07.28

Start Time: 00:30:01

End Time:

09:46:15

Capacity: 8000.00 psig

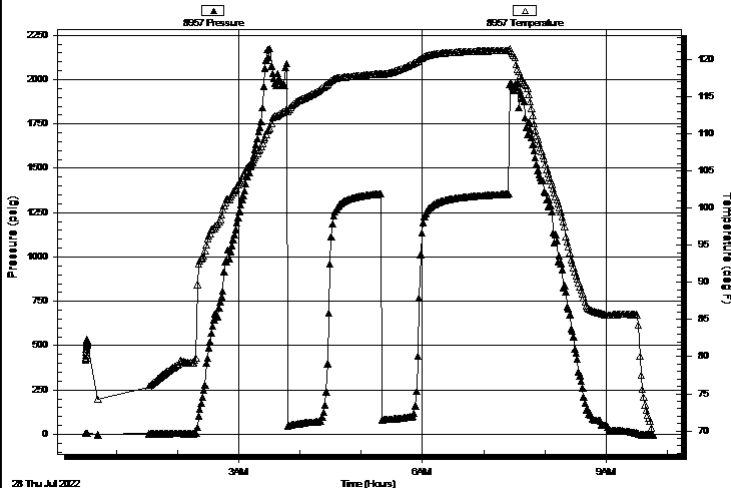
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30-18 Inches
IS-60-2 Inches return
FF-30-40 Inches
FS-90-7 Inches return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mco 50% mud 50% oil	0.30
90.00	100% oil	0.71
0.00	600 gas	0.00

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

TOOL DIAGRAM

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69758

DST#: 7

ATTN: Clayton Erickson

Test Start: 2022.07.28 @ 00:30:00

Tool Information

Drill Pipe:	Length:	3931.00 ft	Diameter:	3.79 inches	Volume:	54.85 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	62000.00 lb
					Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:		6.00 ft					String Weight: Initial	60000.00 lb
Depth to Top Packer:		4076.00 ft					Final	61000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		44.00 ft						
Tool Length:		75.00 ft						
Number of Packers:		2	Diameter:	6.88 inches				
Tool Comments:								

Tool Description

Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00		4046.00	
Shut In Tool	5.00		4051.00	
Hydraulic tool	5.00		4056.00	
Jars	5.00		4061.00	
EM Tool	3.00		4064.00	
Safety Joint	3.00		4067.00	
Packer	5.00		4072.00	31.00 Bottom Of Top Packer
Packer	4.00		4076.00	
Stubb	1.00		4077.00	
Perforations	5.00		4082.00	
Recorder	0.00	8368 Inside	4082.00	
Recorder	0.00	8320 Outside	4082.00	
Change Over Sub	1.00		4083.00	
Drill Pipe	32.00		4115.00	
Change Over Sub	1.00		4116.00	
Perforations	1.00		4117.00	
Bullnose	3.00		4120.00	44.00 Bottom Packers & Anchor
Total Tool Length:	75.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Canyon Operating

19-9s-24w Graham,KS

PO Box 7117
Loveland, CO.80537

Finley #19-1

Job Ticket: 69758

DST#: 7

ATTN: Clayton Erickson

Test Start: 2022.07.28 @ 00:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 3700.00 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:

37 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mco 50% mud 50% oil	0.295
90.00	100% oil	0.714
0.00	600 gas	0.000

Total Length: 150.00 ft

Total Volume: 1.009 bbl

Num Fluid Samples: 0

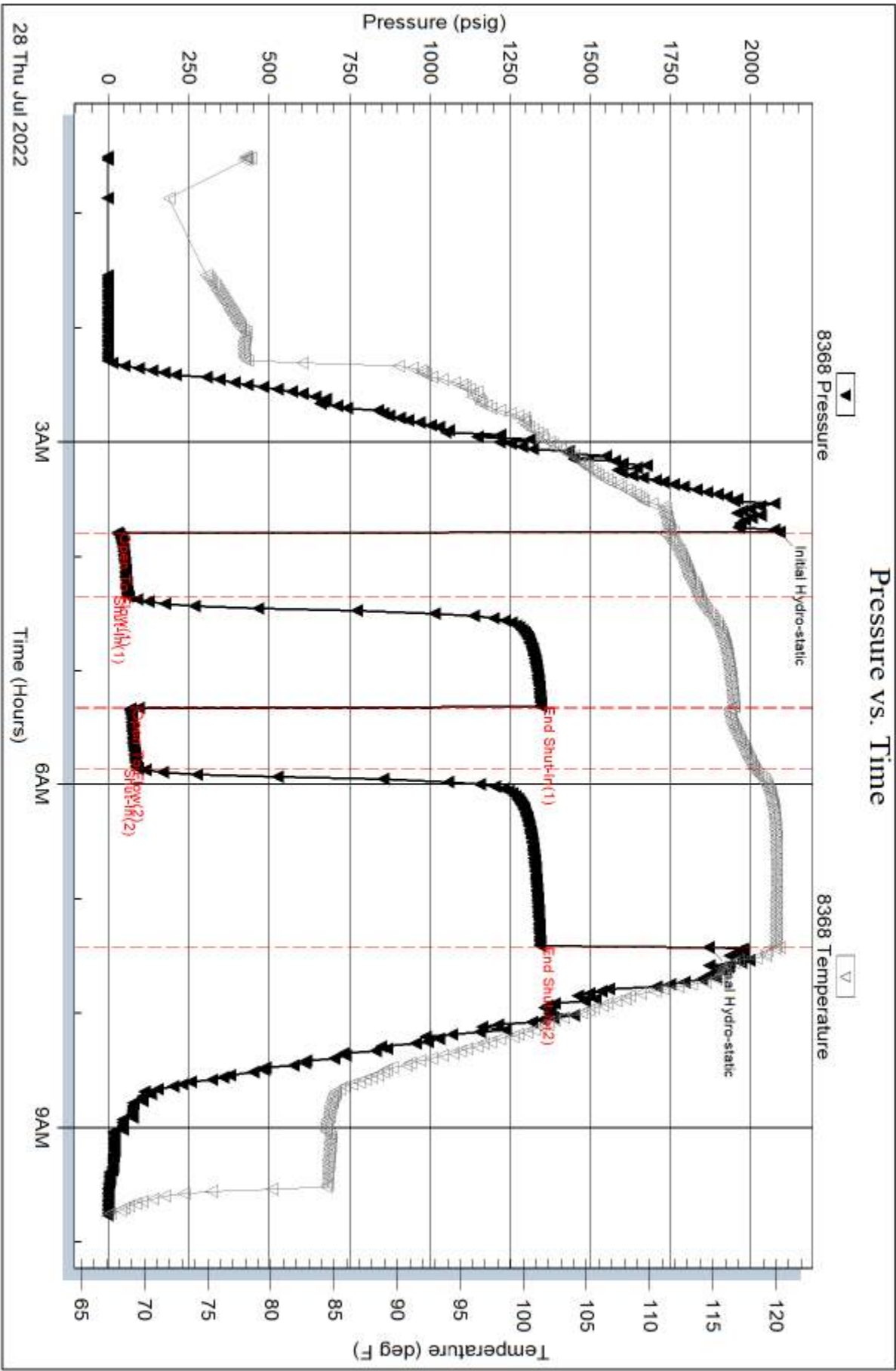
Num Gas Bombs: 0

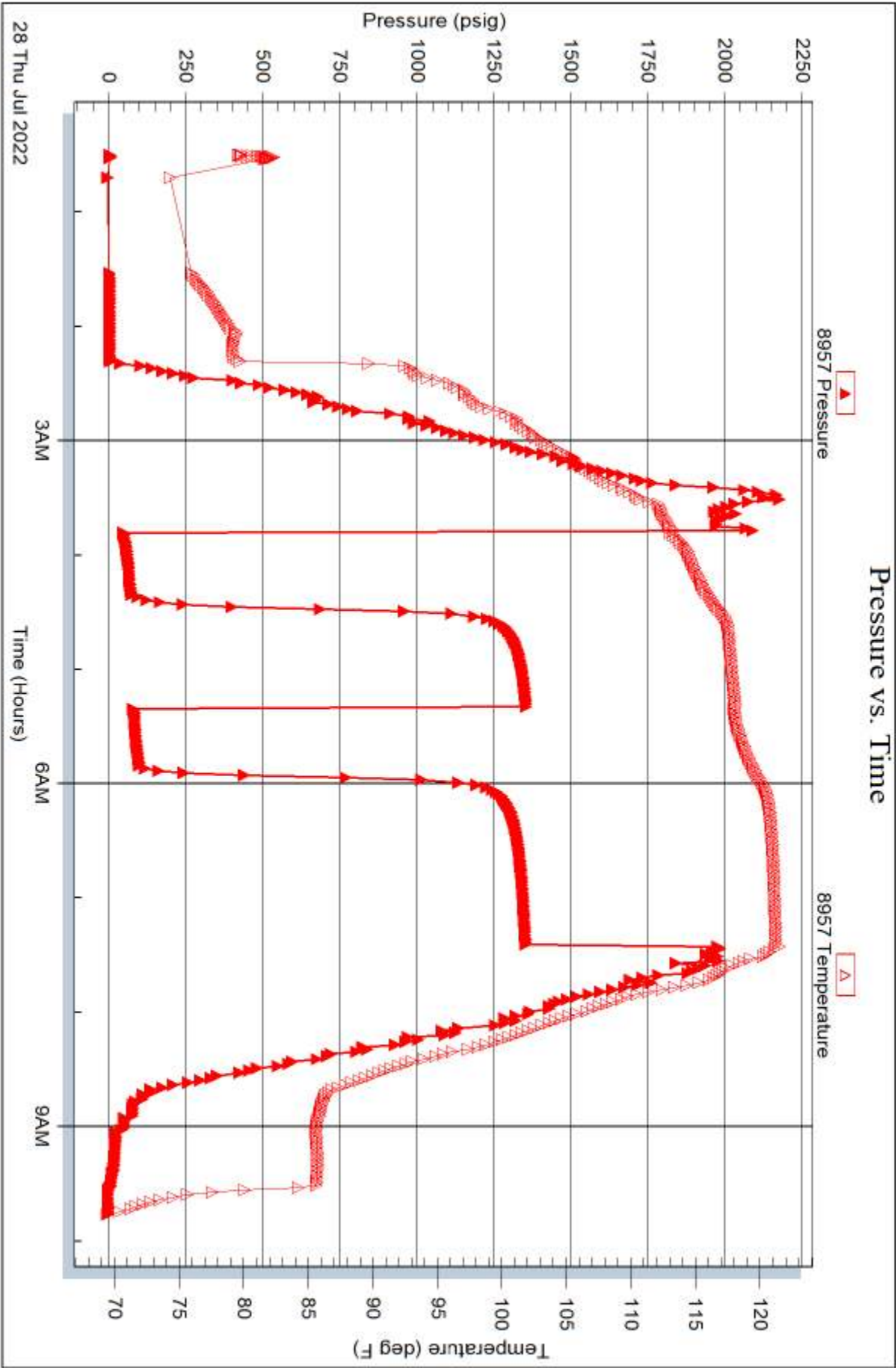
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69752

Well Name & No. Finley #19-1 Test No. 1 Date 7-23-22
 Company Canyon Operating Elevation 2548 KB 2555 GL
 Address P.O. Box 7117 Loveland Co. 80537
 Co. Rep / Geo. Clayton Erikson Rig STP 2
 Location: Sec. 19 Twp 9S Rge. 24W Co. Graham State KS

Interval Tested 3840 - 3905 Zone Tested Lansing A
 Anchor Length 65' Drill Pipe Run 3718 Mud Wt. 8.8
 Top Packer Depth 3835 Drill Collars Run 120 Vis 50
 Bottom Packer Depth 3840 Wt. Pipe Run 1200 - WL 7.4
 Total Depth 3905 Chlorides 2400 ppm System LCM 14
 Blow Description IS-30 - 1 1/2 inches
ISI-60 - No Return
FF-30 - 2 inches
FSS-60 - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>				<u>35</u>	<u>125</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 70 BHT 114 Gravity 1800 API RW 1.08 @ 95 °F Chlorides 70,000 ppm
 (A) Initial Hydrostatic 1856 ☒ Test 1800 T-On Location 12:30
 (B) First Initial Flow 51 ☒ Jars 300 T-Started 4:30
 (C) First Final Flow 49 ☒ Safety Joint T-Open 8:30
 (D) Initial Shut-In 1082 ☐ Circ Sub T-Pulled 11:30
 (E) Second Initial Flow 81 ☐ Hourly Standby 2 hrs 200 T-Out 2:30
 (F) Second Final Flow 65 ☐ Mileage 63 x 2 189 Comments
 (G) Final Shut-In 1018 ☐ Sampler
 (H) Final Hydrostatic 1698 ☐ Straddle

Initial Open 30 ☒ Shale Packer 250 ☒ EM Tool -350
 Initial Shut-In 60 ☐ Extra Packer ☐ Ruined Shale Packer
 Final Flow 30 ☐ Extra Recorder ☐ Ruined Packer
 Final Shut-In 60 ☐ Day Standby ☐ Extra Copies
 Sub Total 2739 ☐ Accessibility Sub Total -350
 Total 2389 MP/DST Disc't

Approved By Our Representative Terrance Witham
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **69753**

Well Name & No. Finley 19-1 Test No. 2 Date 7-24-22
 Company Canyon Operating Elevation 2555 KB 2548 GL
 Address P.O. Box 7117 Loveland, Co. 80537
 Co. Rep / Geo. Clayton Erickson Rig STR 2
 Location: Sec. 19 Twp 9S Rge. 24W Co. Graham State KS

Interval Tested 3900-3945 Zone Tested Lansing C-ID
 Anchor Length 45 Drill Pipe Run 3780 Mud Wt. 9.1
 Top Packer Depth 3895 Drill Collars Run 120 Vis 51
 Bottom Packer Depth 3900 Wt. Pipe Run 1 WL 7.6
 Total Depth 3945 Chlorides 2400 ppm System LCM 1#
 Blow Description IF-30-10 inches Then Reset Tool - then No Blow
FSI-40- No Return
FF-30- No Blow
FSI-60- No Return

Rec <u>780</u>	Feet of	%gas	%oil	%water /100	%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 780 BHT 115 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1954 ☒ Test 1800 T-On Location 12:00
 (B) First Initial Flow 414 ☒ Jars 300 T-Started 3:20
 (C) First Final Flow 394 ☒ Safety Joint _____ T-Open 6:15
 (D) Initial Shut-In 457 ☐ Circ Sub _____ T-Pulled 9:15
 (E) Second Initial Flow 415 ☐ Hourly Standby _____ T-Out 12:15
 (F) Second Final Flow 387 ☐ Mileage 63 x 2 189 Comments _____
 (G) Final Shut-In 459 ☐ Sampler _____
 (H) Final Hydrostatic 1913 ☐ Straddle _____ ☒ EM Tool _____

Initial Open 30 ☐ Ruined Shale Packer _____
 Initial Shut-In 60 ☐ Ruined Packer _____
 Final Flow 30 ☐ Extra Copies _____
 Final Shut-In 60 ☐ Extra Recorder _____ Sub Total 0
☐ Day Standby _____ Total 2539
☐ Accessibility _____ Sub Total 2539 MP/DST Disc't _____

Approved By _____ Our Representative Terrance Wickham

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **69754**

Well Name & No. Finley #19-1 Test No. 3 Date 7-24-22
 Company Canyon Operating Elevation 2555 KB 2548 GL
 Address P.O. Box 7117 Loveland, Co. 80537
 Co. Rep / Geo. Clayton Erickson Rig STP 2
 Location: Sec. 19 Twp 9S Rge. 24W Co. Graham State KS

Interval Tested 3897-3945 Zone Tested Lansing C-D
 Anchor Length 48 Drill Pipe Run 3748 Mud Wt. 9.1
 Top Packer Depth 3897 Drill Collars Run 120 Vis 51
 Bottom Packer Depth 3897 Wt. Pipe Run 120 WL 7.4
 Total Depth 3945 Chlorides 2400 ppm System LCM 1#
 Blow Description IS-30-10 inches
ISI-60-2" Return
SS-45-30"
FST-90-

Rec <u>260</u>	Feet of	%gas	%oil	100	%water	%mud
Rec <u>60</u>	Feet of	%gas	40	%oil	20	%water 40 %mud
Rec <u>60</u>	Feet of	%gas	40	%oil	%water	60 %mud
Rec <u>120</u>	Feet of	%gas	100	%oil	%water	%mud
Rec <u>180</u>	Feet of	100	%gas	%oil	%water	%mud

Rec Total 680 BHT 118 Gravity 27 API RW .08 @ 80° F Chlorides 85,000 ppm

(A) Initial Hydrostatic 1967
 (B) First Initial Flow 55
 (C) First Final Flow 137
 (D) Initial Shut-In 373
 (E) Second Initial Flow 159
 (F) Second Final Flow 210
 (G) Final Shut-In 376
 (H) Final Hydrostatic 1723

☒ Test 1800
☒ Jars 300
☒ Safety Joint
☐ Circ Sub
☐ Hourly Standby
☐ Mileage 63 X 2 189
☐ Sampler
☐ Straddle
☒ Shale Packer 250
☐ Extra Packer
☐ Extra Recorder
☐ Day Standby
☐ Accessibility
 Sub Total 2539

T-On Location 12:00
 T-Started 14:10
 T-Open 16:20
 T-Pulled 19:50
 T-Out 23:10
 Comments
☒ EM Tool -350
☐ Ruined Shale Packer
☐ Ruined Packer
☐ Extra Copies
 Sub Total -350
 Total
 MP/DST Disc't

Initial Open
 Initial Shut-In
 Final Flow
 Final Shut-In

Approved By _____

Our Representative Terrance Wickham

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **69755**

Well Name & No. Finley Test No. 4 Date 7-25-22
 Company Canyon Operating Elevation 2555 KB 2548 GL
 Address P.O. Box 717 Lardand Co., 80537
 Co. Rep / Geo. Clayton Erickson Rig STP 2
 Location: Sec. 19 Twp 9S Rge. 24W Co. Graham State KS

Interval Tested 3945-3975 Zone Tested Lansing E-F
 Anchor Length 30 Drill Pipe Run 3813 Mud Wt. 9.1
 Top Packer Depth 3940 Drill Collars Run 120 Vis 59
 Bottom Packer Depth 3945 Wt. Pipe Run 7.4 WL 1#
 Total Depth 3975 Chlorides 3,000 ppm System LCM 1#

Blow Description IS-30-15 inches
ISI-60-No Return
FF-45-25 inches
FSS-90-No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>		<u>10</u>	<u>30</u>	<u>60</u>	
<u>60</u>		<u>30</u>	<u>70</u>		
<u>100</u>		<u>100</u>			
<u>140</u>		<u>100</u>			
<u>300</u>					

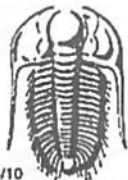
Rec Total 400 BHT 117 Gravity 40 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic <u>1971</u>	☒ Test <u>1800</u>	T-On Location <u>10:15</u>
(B) First Initial Flow <u>42</u>	☒ Jars <u>300</u>	T-Started <u>10:40</u>
(C) First Final Flow <u>83</u>	☒ Safety Joint	T-Open <u>12:45</u>
(D) Initial Shut-In <u>744</u>	☐ Circ Sub	T-Pulled <u>16:30</u>
(E) Second Initial Flow <u>106</u>	☐ Hourly Standby	T-Out <u>19:15</u>
(F) Second Final Flow <u>130</u>	☒ Mileage <u>63X2</u> <u>189</u>	Comments
(G) Final Shut-In <u>746</u>	☐ Sampler	
(H) Final Hydrostatic <u>1845</u>	☐ Straddle	

Initial Open <u>30</u>	☒ Shale Packer <u>250</u>	☒ EM Tool
Initial Shut-In <u>60</u>	☐ Extra Packer	☐ Ruined Shale Packer
Final Flow <u>45</u>	☐ Extra Recorder	☐ Ruined Packer
Final Shut-In <u>90</u>	☐ Day Standby	☐ Extra Copies
	☐ Accessibility	Sub Total <u>0</u>
	Sub Total <u>2539</u>	Total <u>2539</u>

Approved By _____ Our Representative Terrance Wickham

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69756

Well Name & No. Finley #19-1 Test No. 5 Date 7-26-22
 Company Canyon Operating Elevation 2555 KB 2548 GL
 Address P.O. Box 7117 Loveland, Co. 80537
 Co. Rep / Geo. Clayton Erickson Rig STP 2
 Location: Sec. 19 Twp 9S Rge. 24W Co. Graham State KS

Interval Tested 3999-4057 Zone Tested Lansing/Kc. H&I
 Anchor Length 58 Drill Pipe Run 3878 Mud Wt. 9.2
 Top Packer Depth 3994 Drill Collars Run 120 Vis 62
 Bottom Packer Depth 3999 Wt. Pipe Run _____ WL 4.0
 Total Depth 4057 Chlorides 3700 ppm System LCM _____

Blow Description IS - 30 - 2 inches
IST - 60 - No Return
FF - 45 - 15 inches
IST 90 - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>		<u>50</u>		<u>50</u>	
<u>5</u>		<u>100</u>			
<u>325</u>		<u>100</u>			

Rec Total 390 BHT 115 Gravity 40 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1960</u>	☒ Test <u>1950</u>	T-On Location <u>8:30</u>
(B) First Initial Flow <u>49</u>	☒ Jars <u>300</u>	T-Started <u>9:30</u>
(C) First Final Flow <u>52</u>	☒ Safety Joint _____	T-Open <u>11:55</u>
(D) Initial Shut-In <u>1153</u>	☐ Circ Sub _____	T-Pulled <u>4:45</u>
(E) Second Initial Flow <u>59</u>	☐ Hourly Standby _____	T-Out <u>4</u>
(F) Second Final Flow <u>67</u>	☐ Mileage <u>63 X 2</u> 189	Comments _____
(G) Final Shut-In <u>1142</u>	☐ Sampler _____	
(H) Final Hydrostatic <u>1842</u>	☒ Straddle _____	

Initial Open <u>30</u>	☒ Shale Packer <u>250</u>	☒ EM Tool _____
Initial Shut-In <u>60</u>	☐ Extra Packer _____	☐ Ruined Shale Packer _____
Final Flow <u>45</u>	☐ Extra Recorder _____	☐ Ruined Packer _____
Final Shut-In <u>90</u>	☐ Day Standby _____	☐ Extra Copies _____
	☐ Accessibility _____	Sub Total <u>0</u>
	Sub Total <u>2689</u>	Total <u>2689</u>

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**TRILOBITE
TESTING INC.**

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **69757**

Well Name & No. Finley #19-1 Test No. 10 Date 7-27-22
 Company Canyon Operating Elevation 2555 KB 2548 GL
 Address P.O. Box 7117 Loveland, Co. 80537
 Co. Rep / Geo. Clayton Erickson Rig STP 2
 Location: Sec. 19 Twp 9S Rge. 24W Co. Graham State KS

Interval Tested 4050-4080 Zone Tested L/KC "J"
 Anchor Length 30 Drill Pipe Run 3910 Mud Wt. 9.2
 Top Packer Depth 4045 Drill Collars Run 120 Vis 62
 Bottom Packer Depth 4050 Wt. Pipe Run 3700 WL 8.0
 Total Depth 4080 Chlorides 3700 ppm System LCM

Blow Description IF-15-398 inches
ISI-60-54 inches Return
SS-5-168 inches gas to surface
FSD-60-6 inches Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>2160</u>		<u>100</u>			
<u>1830</u>		<u>100</u>			

Rec Total 3990 BHT 42 Gravity 1950 API RW 300 @ 21.00 °F Chlorides 189 ppm

(A) Initial Hydrostatic	<u>2039</u>	☒ Test	<u>1950</u>	T-On Location	<u>21.00</u>
(B) First Initial Flow	<u>384</u>	☒ Jars	<u>300</u>	T-Started	<u>4:00</u>
(C) First Final Flow	<u>602</u>	☒ Safety Joint		T-Open	<u>6:57</u>
(D) Initial Shut-In	<u>1326</u>	☐ Circ Sub		T-Pulled	<u>8:20</u>
(E) Second Initial Flow	<u>679</u>	☐ Hourly Standby		T-Out	<u>13:50</u>
(F) Second Final Flow	<u>736</u>	☐ Mileage <u>63 X 2</u>	<u>189</u>	Comments	
(G) Final Shut-In	<u>1324</u>	☐ Sampler			
(H) Final Hydrostatic	<u>1847</u>	☐ Straddle		☒ EM Tool	<u>-350</u>

Initial Open	<u>15</u>	☒ Shale Packer	<u>250</u>	☐ Ruined Shale Packer	
Initial Shut-In	<u>60</u>	☐ Extra Packer		☐ Ruined Packer	
Final Flow	<u>5</u>	☐ Extra Recorder		☐ Extra Copies	
Final Shut-In	<u>60</u>	☐ Day Standby		Sub Total	<u>-350</u>
		☐ Accessibility		Total	<u>2339</u>
		Sub Total	<u>2689</u>	MP/DST Disc't	

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69758

Well Name & No. Finley #19-1 Test No. 7 Date 7-27-22
 Company Canyon Operating Elevation 2555 KB 2548 GL
 Address P.O. Box 7117 Loveland CO 80537
 Co. Rep / Geo. Clayton Erickson Rig STP 2
 Location: Sec. 19 Twp 9S Rge. 24W Co. Graham State KS

Interval Tested 4096-4120 Zone Tested Lansley/KC K&L
 Anchor Length 44 Drill Pipe Run _____ Mud Wt. 9.2
 Top Packer Depth 4091 Drill Collars Run 120 Vls 902 62
 Bottom Packer Depth 4096 Wt. Pipe Run _____ WL 602 8.0
 Total Depth 4120 Chlorides 3200 ppm System LCM _____

Blow Description IS-30-18 inches
ISI-60-2 inches Return
FF-30-40 inches
FSS-90-7 inches Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>		<u>50</u>		<u>50</u>	
<u>90</u>		<u>100</u>			
<u>600</u>	<u>100</u>				

Rec Total 150 BHT 120 Gravity 37 API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2088 ☒ Test 1950 T-On Location JB:15
 (B) First Initial Flow 29 ☒ Jars 300 T-Started 12:30
 (C) First Final Flow 60 ☒ Safety Joint _____ T-Open 3:45
 (D) Initial Shut-In 1347 ☐ Circ Sub _____ T-Pulled 7:15
 (E) Second Initial Flow 68 ☐ Hourly Standby _____ T-Out 9:50
 (F) Second Final Flow 92 ☐ Mileage 63 x 2 189 Comments _____
 (G) Final Shut-In 1345 ☐ Sampler _____
 (H) Final Hydrostatic 1868 ☐ Straddle _____

☒ Shale Packer 250 ☒ EM Tool _____
☐ Extra Packer _____ ☐ Ruined Shale Packer _____
☐ Extra Recorder _____ ☐ Ruined Packer _____
☐ Day Standby _____ ☐ Extra Copies _____
☐ Accessibility _____ Sub Total 0
 Sub Total 2689 Total 2689 MP/DST Disc't _____

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