

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](mailto: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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# FRANKS Oilfield Service, LLC

815 Main Street  
Victoria, KS 67671

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

Email: franksoilfield@yahoo.com

## Invoice

Date	Invoice #
6/1/2022	0606

Please Pay from this Invoice.  
Remit Payment to:  
815 Main Street  
Victoria, KS 67671  
Billing Questions-Call Tianna at  
(785) 639-3949

Bill To
Canyon Operating, LLC P.O. Box 7117 Loveland, CO 80537-7117

County/State	Lease/Well#	Terms	Job Type
Graham County, KS	Richmeier 11-1	Net 30	Surface

Description	Quantity	Rate	Amount
Pump Charge	1	1,150.00	1,150.00
Mileage	25	6.50	162.50
Ton Mileage (min.)	1	600.00	600.00
60/40 3%cal 2% gel	170	18.25	3,102.50T
Discount		-501.50	-501.50

*Thank you!*

Accounts Due Net 10th. 1-1/2% Per Month on all Past Due Accounts. 18% Annual Rate.	<b>Subtotal</b>	\$4,513.50
<i>We appreciate your business and look forward to serving you again!</i>	<b>Sales Tax (7.5%)</b>	\$209.42
	<b>Balance Due</b>	\$4,722.92

# 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 0606  
 LOCATION Laxie  
 FOREMAN Tom Williams

## FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-7-22	35571	Rothmeier 11-1	11	9	25 W	Graham
CUSTOMER <u>Canyon Operating LLC</u>			TRUCK #			
MAILING ADDRESS <u>PO Box 7117</u>			DRIVER		TRUCK #	
CITY <u>Loveland</u>			DRIVER <u>Tom W</u>		TRUCK #	
STATE <u>CO</u>			DRIVER <u>Jack</u>		TRUCK #	
ZIP CODE <u>800537</u>			TRUCK #		DRIVER	

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 215' CASING SIZE & WEIGHT 6 3/4" 23#  
 CASING DEPTH 215' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 SLURRY VOL 1.23 WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 12.5 Bbl DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: safety meeting & set up an STP #3 Circulate mud.  
Mix 170sx 60/40 surface blend. & displaced with 12.5 Bbl  
cement did circulate

Plug 7 pm

Thanks Tom & Jack

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
P6002	1	PUMP CHARGE <u>Surface</u>	\$1150 <sup>00</sup>	\$1150 <sup>00</sup>
m001	25	MILEAGE	\$4 <sup>50</sup>	\$112 <sup>50</sup>
m002	7.57 tons	Ton Mileage delivered	\$400 <sup>00</sup>	\$400 <sup>00</sup>
CB214	170sx	60/40 3 1/2" 2 3/4" gal	\$18 <sup>25</sup>	\$3102 <sup>50</sup>
			sub total	\$5015 <sup>00</sup>
			less 10% disc.	\$501 <sup>50</sup>
			sub total	\$4513 <sup>50</sup>
			SALES TAX	209.42
			ESTIMATED TOTAL	4722.92

AUTHORIZATION [Signature] 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.

# FRANKS Oilfield Service, LLC

815 Main Street  
Victoria, KS 67671

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

Email: franksoilfield@yahoo.com

## Invoice

Date	Invoice #
6/11/2022	0614

Please Pay from this Invoice.  
Remit Payment to:  
815 Main Street  
Victoria, KS 67671  
Billing Questions-Call Tianna at  
(785) 639-3949

Bill To
Canyon Operating, LLC P.O. Box 7117 Loveland, CO 80537-7117

County/State	Lease/Well#	Terms	Job Type
Graham County, KS	Richmeier 11-1	Net 30	PTA

Description	Quantity	Rate	Amount
Pump Charge	1	1,500.00	1,500.00
Mileage	27	6.50	175.50
Ton Mileage (min.)	1	600.00	600.00
60/40 4% gel 1/4# floseal	240	16.75	4,020.00T
Discount		-629.55	-629.55

Thank-you!

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

**Subtotal** \$5,665.95

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

**Sales Tax (7.5%)** \$271.35

**Balance Due** \$5,937.30

# 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 0614  
 LOCATION Horse  
 FOREMAN Tom Williams

## FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																																										
6-11-22	39571	Rich Meier W-1	11	9	25 <sup>th</sup>	Graham																																										
CUSTOMER <u>Canyon Operating LLC</u>			<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>Tom W</td> <td></td> <td></td> </tr> <tr> <td>102</td> <td>Jack T</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	101	Tom W			102	Jack T																																
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CITY <u>Loveland</u>	STATE <u>CO</u>	ZIP CODE <u>80537</u>																																														
JOB TYPE <u>PTM</u>	HOLE SIZE _____	HOLE DEPTH _____	CASING SIZE & WEIGHT _____																																													
CASING DEPTH _____	DRILL PIPE <u>4 1/2"</u>	TUBING _____	OTHER _____																																													
SLURRY WEIGHT <u>12.5</u>	SLURRY VOL <u>2.345</u>	WATER gal/sk _____	CEMENT LEFT in CASING _____																																													
DISPLACEMENT _____	DISPLACEMENT PSI _____	MIX PSI _____	RATE _____																																													
REMARKS: <u>safety meeting + set up on STP#2 plugged as ordered</u>																																																
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">1st</td> <td style="width:15%;">2750'</td> <td style="width:15%;">50 SF</td> <td colspan="4"></td> </tr> <tr> <td>2nd</td> <td>1400'</td> <td>100 SF</td> <td colspan="4"></td> </tr> <tr> <td>3rd</td> <td>275'</td> <td>50 SF</td> <td colspan="4" style="text-align:right;">plug down 4130</td> </tr> <tr> <td>4</td> <td>90'</td> <td>10 SF</td> <td colspan="4"></td> </tr> <tr> <td>RH</td> <td></td> <td>30 SF</td> <td colspan="4"></td> </tr> <tr> <td colspan="2"></td> <td style="text-align:right;"><u>240 total</u></td> <td colspan="4"></td> </tr> </table>							1st	2750'	50 SF					2nd	1400'	100 SF					3rd	275'	50 SF	plug down 4130				4	90'	10 SF					RH		30 SF							<u>240 total</u>				
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*Thanks Tom + Jack*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
10005	1	PUMP CHARGE <u>PTM</u>	\$1500 <sup>00</sup>	\$1500 <sup>00</sup>
10001	27	MILEAGE	\$6 <sup>50</sup>	\$175 <sup>50</sup>
10002	10.68	Ton Mileage Delivery	\$600 <sup>00</sup>	\$6408 <sup>00</sup>
10010	240 SF	60/40 420 gal 1/4" Slurry	\$16 <sup>75</sup>	\$4020 <sup>00</sup>
			sub total	\$6295 <sup>50</sup>
			less 10% disc.	\$5666 <sup>55</sup>
			sub total	\$5666 <sup>95</sup>
			SALES TAX	271.35
			ESTIMATED TOTAL	5937.30

AUTHORIZATION Randy Scarnon TITLE Driller DATE 6-11-22

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 LLC**

PO Box 7117  
Loveland, CO. 80537-7117

ATTN: Clayton Erickson

**Richmeier #11-1**

**11-9-25w**

Start Date: 2022.06.06 @ 23:00:00

End Date: 2022.06.07 @ 08:02:45

Job Ticket #: 59504                      DST #: 1

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

Printed: 2022.06.15 @ 12:17:17

Canyon Operating LLC  
11-9-25w  
Richmeier #11-1  
DST # 1  
LKC A - D  
2022.06.06





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Canyon Operating LLC  
 PO Box 7117  
 Loveland, CO 80537-7117  
 ATTN: Clayton Erickson

**11-9-25w**  
**Richmeier #11-1**  
 Job Ticket: 59504 **DST#: 1**  
 Test Start: 2022.06.06 @ 23:00:00

## GENERAL INFORMATION:

Formation: **LKC A - D**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 01:20:00 Tester: Terrance  
 Time Test Ended: 08:02:45 Unit No: 75  
 Interval: **3846.00 ft (KB) To 3900.00 ft (KB) (TVD)** Reference Elevations: 2513.00 ft (KB)  
 Total Depth: 3900.00 ft (KB) (TVD) 2506.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 7.00 ft

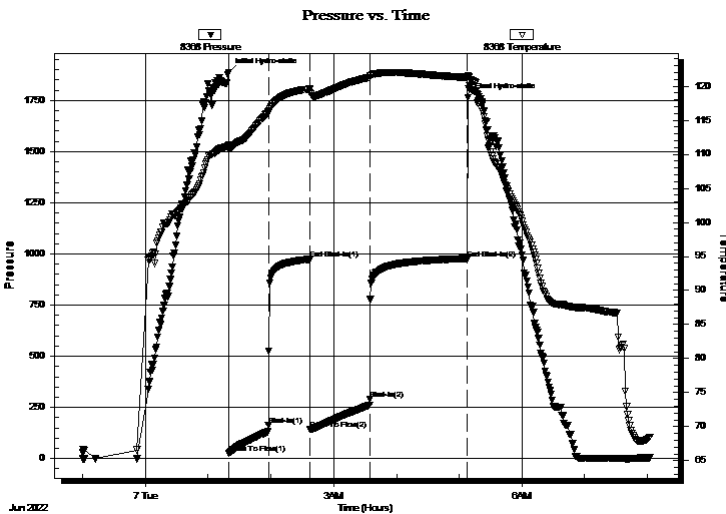
## Serial #: 8368

Inside

Press@RunDepth: 290.57 psig @ 3849.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.06.06 End Date: 2022.06.07 Last Calib.: 2022.06.06  
 Start Time: 23:00:05 End Time: 08:02:45 Time On Btm: 2022.06.07 @ 01:19:45  
 Time Off Btm: 2022.06.07 @ 05:08:15

TEST COMMENT: IF-30-5 Inches  
 IS-60-No return  
 FF-45-8 Inches  
 FS-90-No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1886.82	111.32	Initial Hydro-static
1	25.49	110.77	Open To Flow (1)
38	162.12	116.18	Shut-In(1)
78	973.25	119.57	End Shut-In(1)
78	143.90	119.11	Open To Flow (2)
135	290.57	121.30	Shut-In(2)
229	977.65	121.26	End Shut-In(2)
229	1765.00	121.58	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
720.00	100% Water	9.37

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Canyon Operating LLC  
 PO Box 7117  
 Loveland, CO 80537-7117  
 ATTN: Clayton Erickson

**11-9-25w**  
**Richmeier #11-1**  
 Job Ticket: 59504      **DST#: 1**  
 Test Start: 2022.06.06 @ 23:00:00

**Tool Information**

Drill Pipe:	Length: 3741.00 ft	Diameter: 3.87 inches	Volume: 54.43 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased ft
Drill Pipe Above KB:	43.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3846.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.00 ft			
Tool Length:	85.00 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			3816.00	
Shut In Tool	5.00			3821.00	
Hydraulic tool	5.00			3826.00	
Jars	5.00			3831.00	
EM Tool	3.00			3834.00	
Safety Joint	3.00			3837.00	
Packer	5.00			3842.00	31.00      Bottom Of Top Packer
Packer	4.00			3846.00	
Stubb	1.00			3847.00	
Perforations	1.00			3848.00	
Change Over Sub	1.00			3849.00	
Recorder	0.00	8368	Inside	3849.00	
Recorder	0.00	8320	Outside	3849.00	
Drill Pipe	32.00			3881.00	
Change Over Sub	1.00			3882.00	
Perforations	15.00			3897.00	
Bullnose	3.00			3900.00	54.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>85.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Canyon Operating LLC

**11-9-25w**

PO Box 7117  
Loveland, CO 80537-7117

**Richmeier #11-1**

Job Ticket: 59504

**DST#: 1**

ATTN: Clayton Erickson

Test Start: 2022.06.06 @ 23:00:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
720.00	100% Water	9.371

Total Length: 720.00 ft      Total Volume: 9.371 bbl

Num Fluid Samples: 0

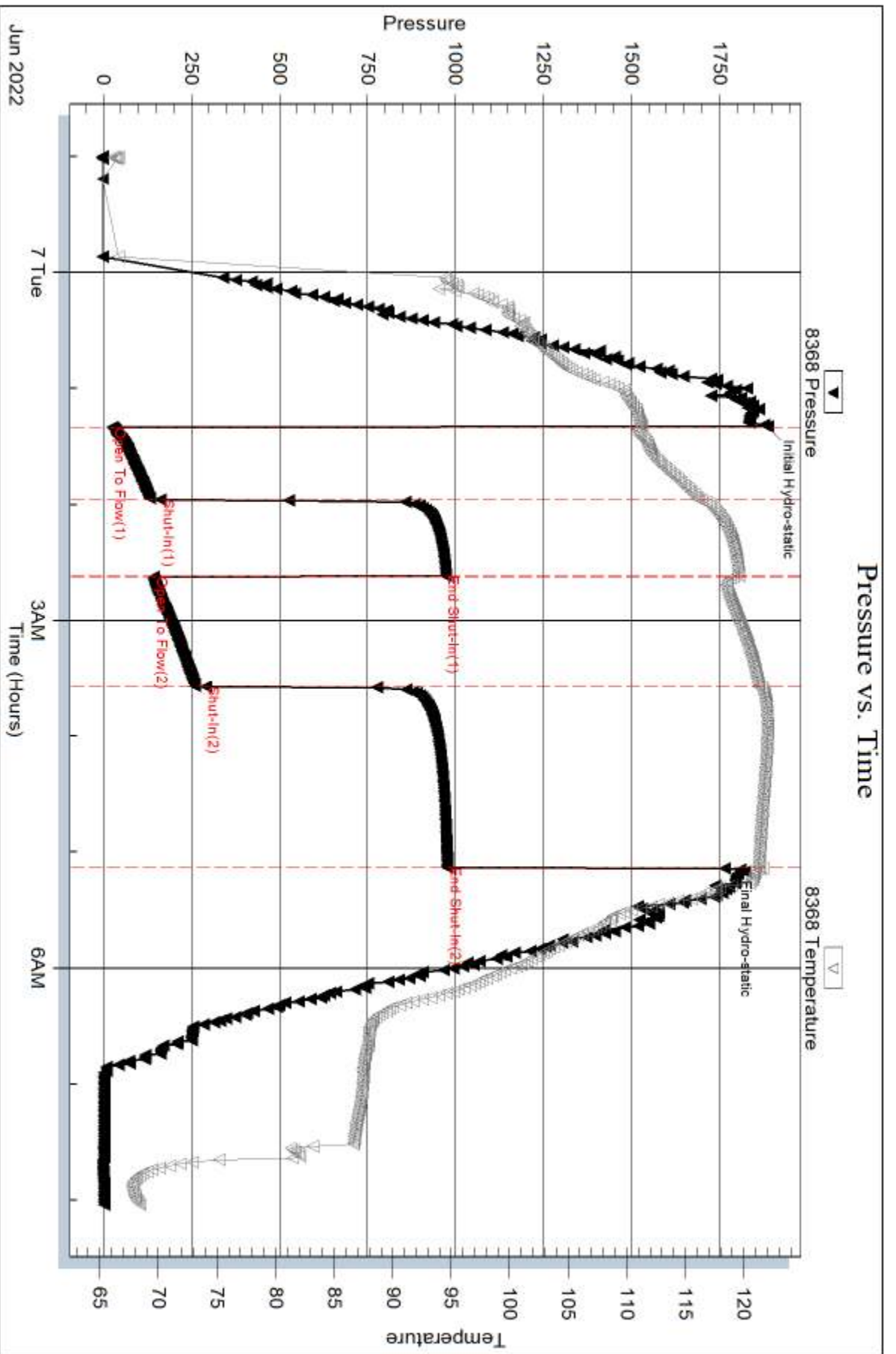
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

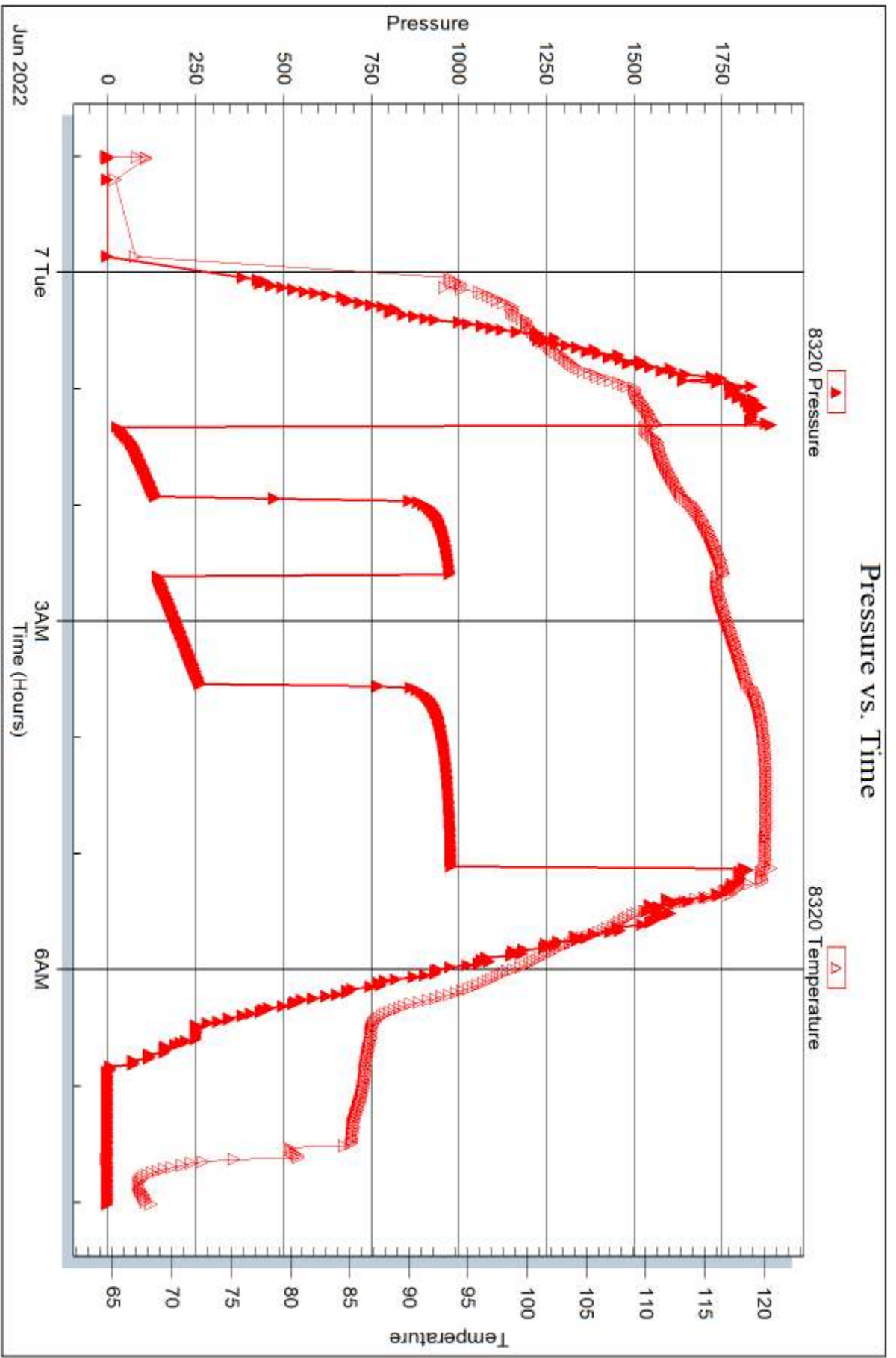


Serial #: 8320

Outside Canyon Operating LLC

Richmeier #11-1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 59504

Printed: 2022.06.15 @ 12:17:18



## DRILL STEM TEST REPORT

Prepared For: **Canyon Operating LLC**

PO Box 7117  
Loveland, CO. 80537-7117

ATTN: Clayton Erickson

**Richmeier #11-1**

**11-9-25w**

Start Date: 2022.06.07 @ 18:30:00

End Date: 2022.06.08 @ 01:46:00

Job Ticket #: 59505                      DST #: 2

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

Printed: 2022.06.15 @ 12:16:50



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Canyon Operating LLC  
 PO Box 7117  
 Loveland, CO 80537-7117  
 ATTN: Clayton Erickson

**11-9-25w**  
**Richmeier #11-1**  
 Job Ticket: 59505 **DST#: 2**  
 Test Start: 2022.06.07 @ 18:30:00

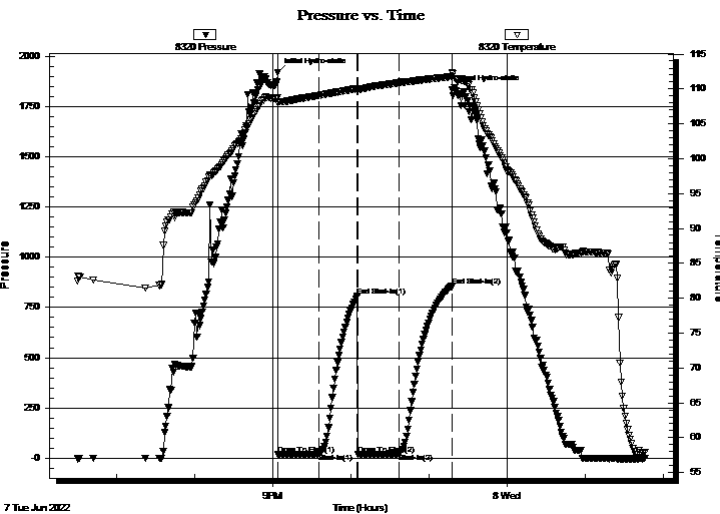
## GENERAL INFORMATION:

Formation: **LKC E - F**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 21:04:00  
 Time Test Ended: 01:46:00  
 Interval: **3896.00 ft (KB) To 3930.00 ft (KB) (TVD)**  
 Total Depth: 3900.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Terrance  
 Unit No: 75  
 Reference Elevations: 2513.00 ft (KB)  
 2506.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 8320 Outside

Press@RunDepth: 22.85 psig @ 3897.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.06.07 End Date: 2022.06.08 Last Calib.: 2022.06.07  
 Start Time: 18:30:05 End Time: 01:45:59 Time On Btm: 2022.06.07 @ 21:03:45  
 Time Off Btm: 2022.06.07 @ 23:17:45

TEST COMMENT: IF-30-Surface blow .Died in 5 min.  
 IS-30-No return  
 FF-30-No return  
 FS-30-No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1919.34	108.72	Initial Hydro-static
1	18.58	108.05	Open To Flow (1)
32	22.96	109.08	Shut-In(1)
62	805.96	110.05	End Shut-In(1)
62	19.90	109.80	Open To Flow (2)
94	22.85	110.89	Shut-In(2)
134	855.07	111.76	End Shut-In(2)
134	1833.90	112.37	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	100% mud	0.01

\* Recovery from multiple tests

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Canyon Operating LLC  
 PO Box 7117  
 Loveland, CO 80537-7117  
 ATTN: Clayton Erickson

**11-9-25w**  
**Richmeier #11-1**  
 Job Ticket: 59505 **DST#: 2**  
 Test Start: 2022.06.07 @ 18:30:00

**Tool Information**

Drill Pipe:	Length: 3783.00 ft	Diameter: 3.87 inches	Volume: 55.04 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 55.62 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3896.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	65.00 ft				
Number of Packers:	2	Diameter: 6.88 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3866.00	
Shut In Tool	5.00			3871.00	
Hydraulic tool	5.00			3876.00	
Jars	5.00			3881.00	
EM Tool	3.00			3884.00	
Safety Joint	3.00			3887.00	
Packer	5.00			3892.00	31.00 Bottom Of Top Packer
Packer	4.00			3896.00	
Stubb	1.00			3897.00	
Recorder	0.00	8368	Inside	3897.00	
Recorder	0.00	8320	Outside	3897.00	
Perforations	30.00			3927.00	
Bullnose	3.00			3930.00	34.00 Bottom Packers & Anchor

**Total Tool Length: 65.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Canyon Operating LLC

**11-9-25w**

PO Box 7117  
Loveland, CO 80537-7117

**Richmeier #11-1**

Job Ticket: 59505

**DST#: 2**

ATTN: Clayton Erickson

Test Start: 2022.06.07 @ 18:30:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 45.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 2800.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	100% mud	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

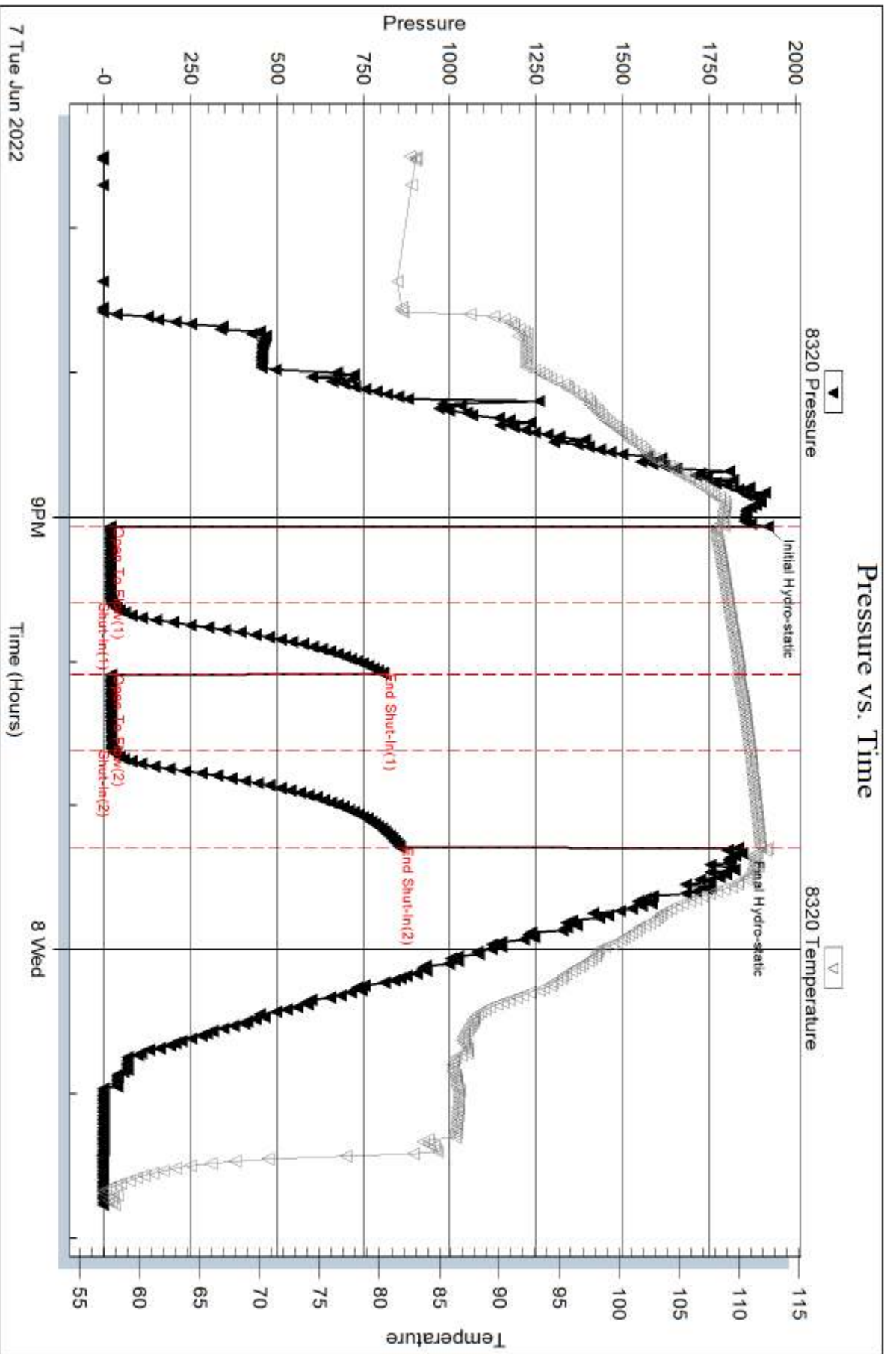
Num Gas Bombs: 0

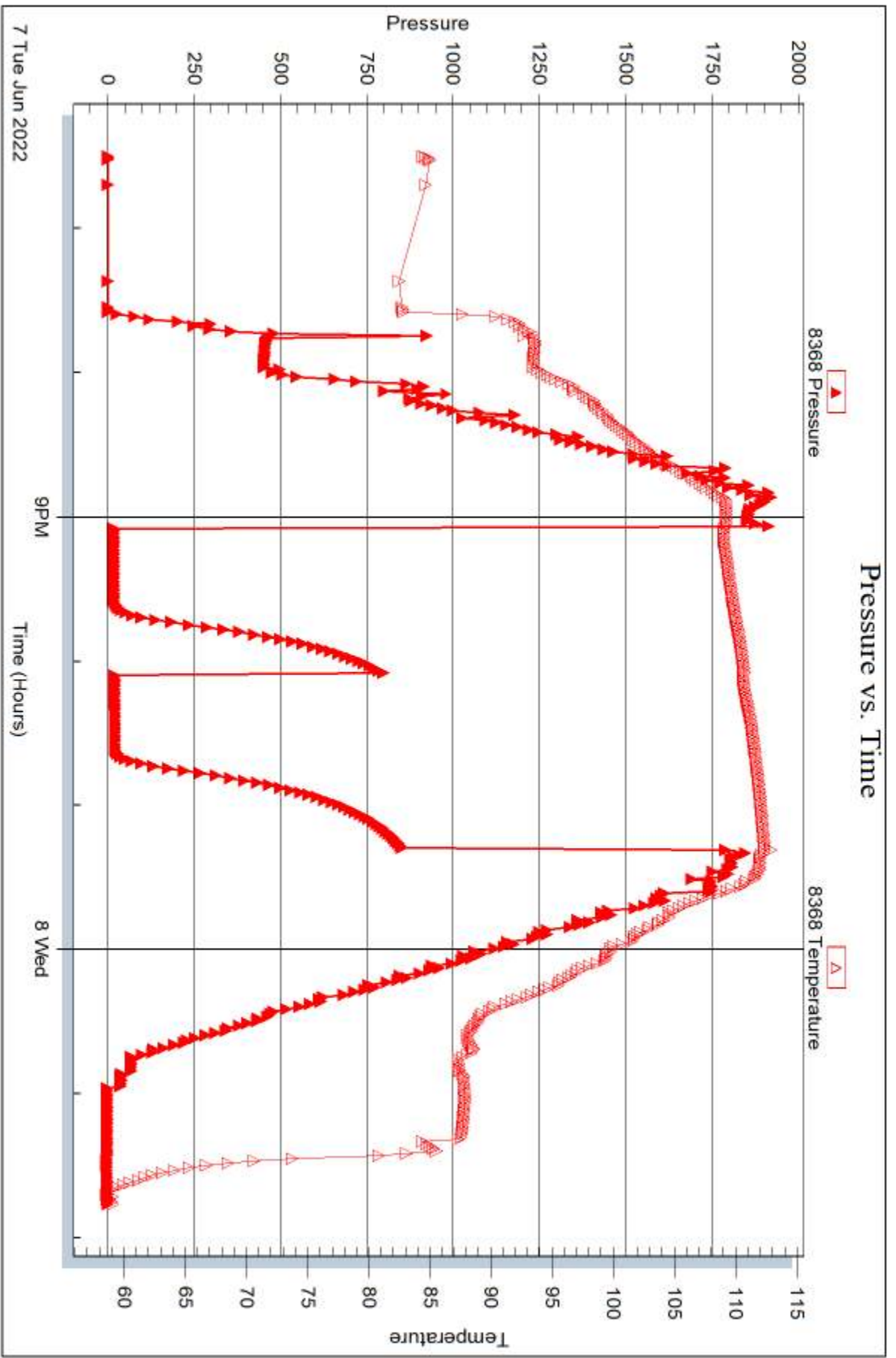
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Canyon Operating LLC**

PO Box 7117  
Loveland, CO. 80537-7117

ATTN: Clayton Erickson

**Richmeier #11-1**

**11-9-25w**

Start Date: 2022.06.08 @ 17:00:00

End Date: 2022.06.09 @ 02:09:15

Job Ticket #: 59506                      DST #: 3

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

Printed: 2022.06.15 @ 12:16:22

Canyon Operating LLC  
11-9-25w  
Richmeier #11-1  
DST # 3  
LKC H - J  
2022.06.08



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Canyon Operating LLC  
 PO Box 7117  
 Loveland, CO 80537-7117  
 ATTN: Clayton Erickson

**11-9-25w**  
**Richmeier #11-1**  
 Job Ticket: 59506 **DST#: 3**  
 Test Start: 2022.06.08 @ 17:00:00

## GENERAL INFORMATION:

Formation: **LKC H - J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:34:30  
 Time Test Ended: 02:09:15  
 Interval: **3945.00 ft (KB) To 4027.00 ft (KB) (TVD)**  
 Total Depth: 4027.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Poor  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Terrance  
 Unit No: 75  
 Reference Elevations: 2513.00 ft (KB)  
 2506.00 ft (CF)  
 KB to GR/CF: 7.00 ft

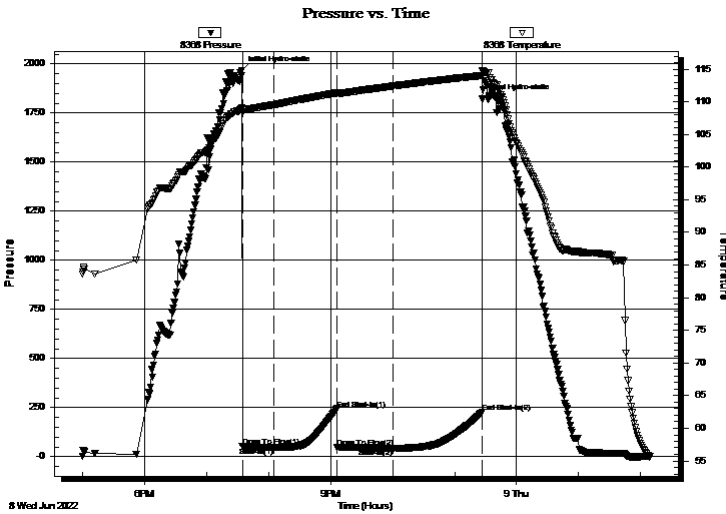
## Serial #: 8368

Inside

Press@RunDepth: 43.43 psig @ 3951.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.06.08 End Date: 2022.06.09 Last Calib.: 2022.06.08  
 Start Time: 17:00:05 End Time: 02:09:15 Time On Btm: 2022.06.08 @ 19:34:15  
 Time Off Btm: 2022.06.08 @ 23:27:00

TEST COMMENT: IF-30-Surface blow died in 5 min  
 IS-60-No return  
 FF-45-No Return  
 FS-90-No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1966.82	109.07	Initial Hydro-static
1	53.39	108.44	Open To Flow (1)
31	46.94	109.54	Shut-In(1)
92	244.17	111.36	End Shut-In(1)
92	48.18	111.26	Open To Flow (2)
146	43.43	112.39	Shut-In(2)
233	228.12	114.02	End Shut-In(2)
233	1821.01	114.80	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	100% Mud	0.00

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Canyon Operating LLC  
 PO Box 7117  
 Loveland, CO 80537-7117  
 ATTN: Clayton Erickson

**11-9-25w**  
**Richmeier #11-1**  
 Job Ticket: 59506      **DST#: 3**  
 Test Start: 2022.06.08 @ 17:00:00

**Tool Information**

Drill Pipe:	Length: 3797.00 ft	Diameter: 3.87 inches	Volume: 55.24 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: - bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial	lb
Depth to Top Packer:	3945.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	82.00 ft				
Tool Length:	113.00 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			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	
Perforations	4.00			3950.00	
Change Over Sub	1.00			3951.00	
Recorder	0.00	8368	Inside	3951.00	
Recorder	0.00	8320	Outside	3951.00	
Drill Pipe	63.00			4014.00	
Perforations	10.00			4024.00	
Bullnose	3.00			4027.00	82.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>113.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Canyon Operating LLC  
PO Box 7117  
Loveland, CO 80537-7117  
ATTN: Clayton Erickson

**11-9-25w**  
**Richmeier #11-1**  
Job Ticket: 59506      **DST#: 3**  
Test Start: 2022.06.08 @ 17:00:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2700.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100% Mud	0.005

Total Length: 1.00 ft      Total Volume: 0.005 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

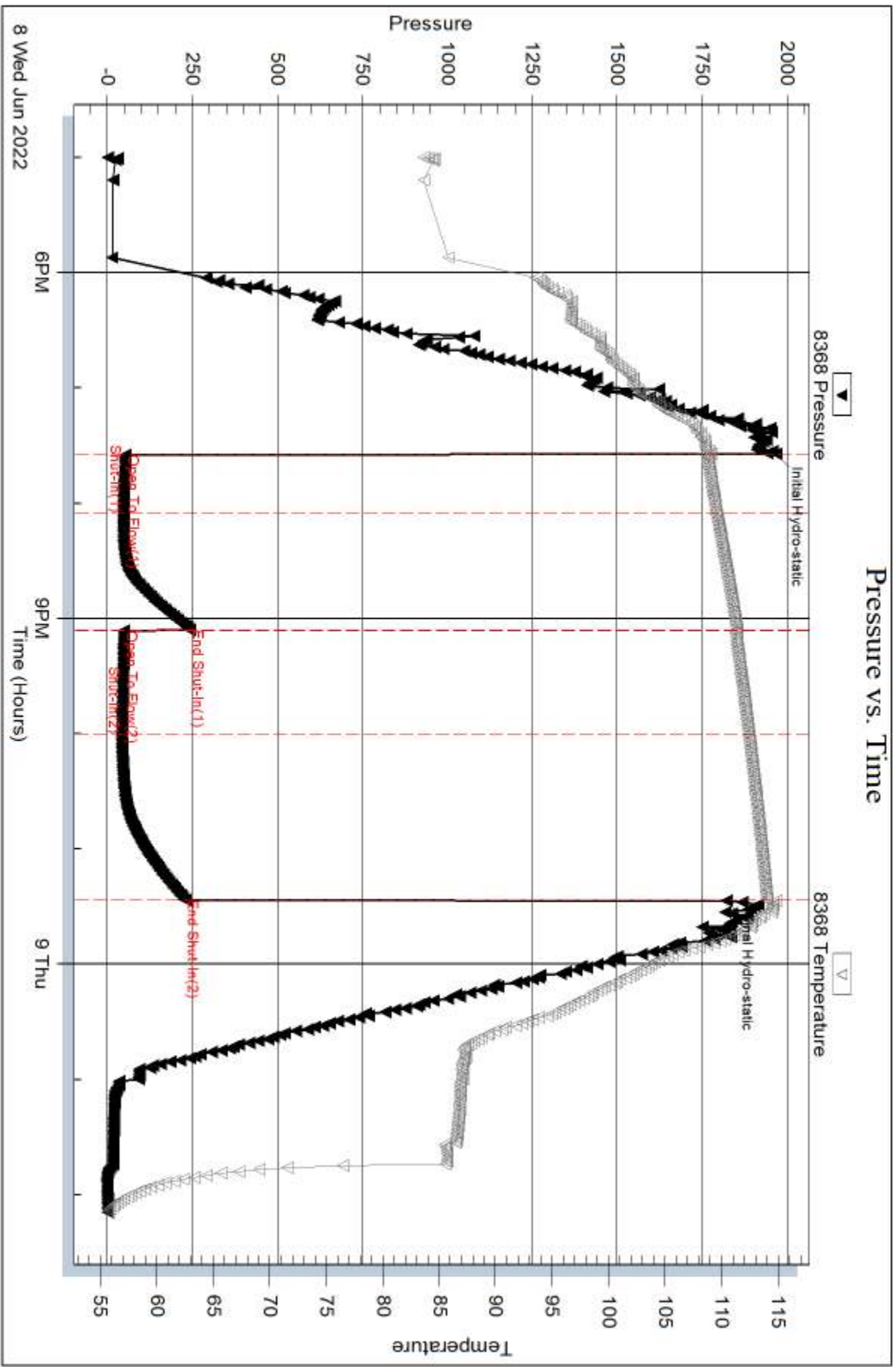
Serial #: 8368

Inside

Canyon Operating LLC

Richmeier #11-1

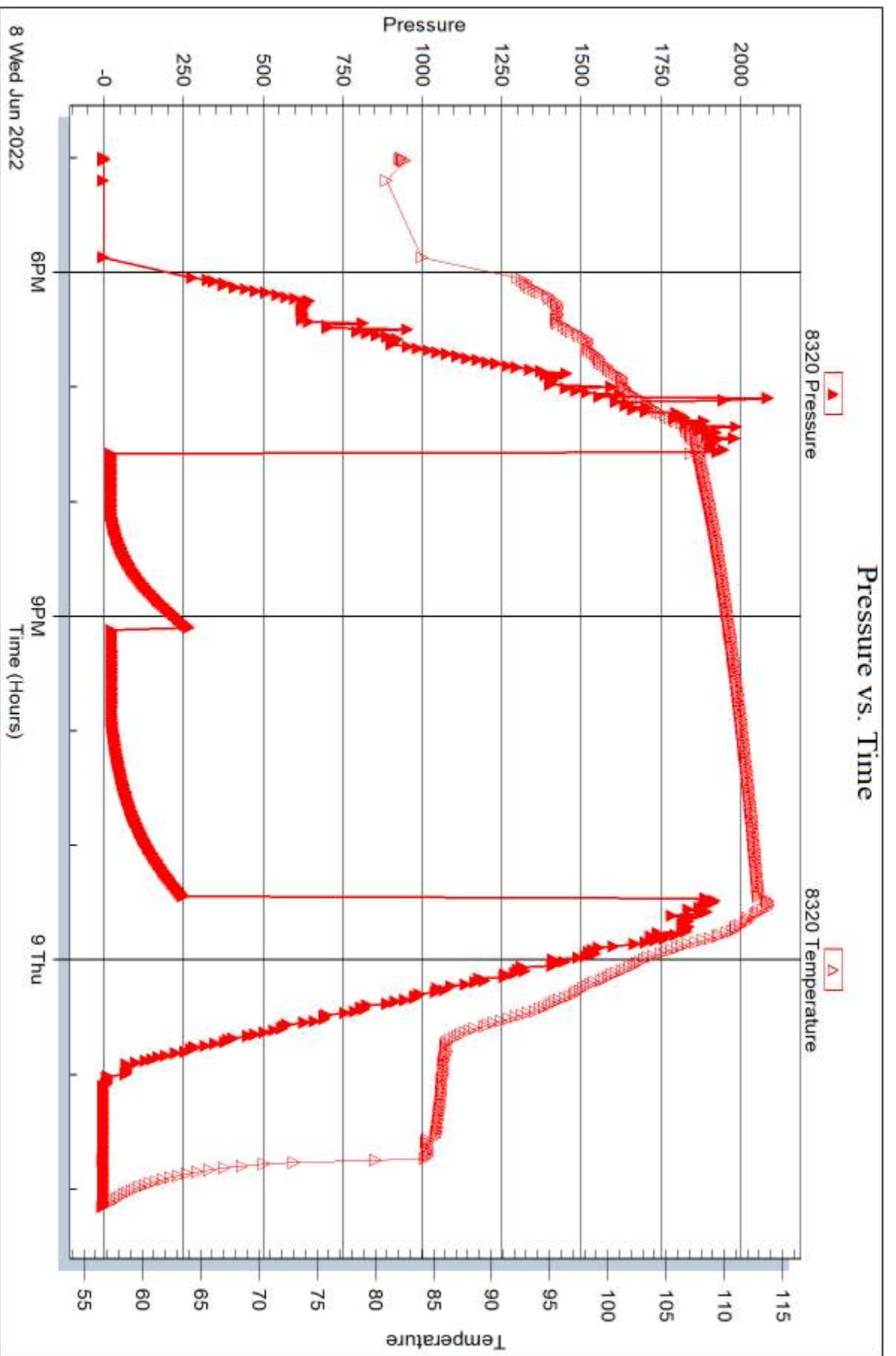
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 59506

Printed: 2022.06.15 @ 12:16:22





## DRILL STEM TEST REPORT

Prepared For: **Canyon Operating LLC**

PO Box 7117  
Loveland, CO. 80537-7117

ATTN: Clayton Erickson

**Richmeier #11-1**

**11-9-25w**

Start Date: 2022.06.09 @ 13:05:00

End Date: 2022.06.09 @ 23:09:45

Job Ticket #: 59507                      DST #: 4

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

Printed: 2022.06.15 @ 12:15:40



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Canyon Operating LLC  
 PO Box 7117  
 Loveland, CO 80537-7117  
 ATTN: Clayton Erickson

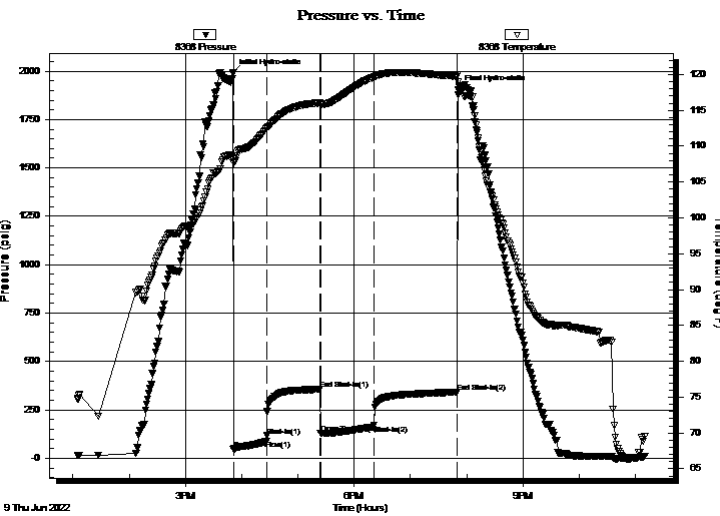
**11-9-25w**  
**Richmeier #11-1**  
 Job Ticket: 59507 **DST#: 4**  
 Test Start: 2022.06.09 @ 13:05:00

## GENERAL INFORMATION:

Formation: **LKC K**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 15:51:15  
 Time Test Ended: 23:09:45  
 Interval: **4016.00 ft (KB) To 4075.00 ft (KB) (TVD)**  
 Total Depth: 4027.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition:  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Terrance  
 Unit No: 75  
 Reference Elevations: 2513.00 ft (KB)  
 2506.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8368** **Inside**  
 Press@RunDepth: 170.70 psig @ 4019.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2022.06.09 End Date: 2022.06.09 Last Calib.: 2022.06.09  
 Start Time: 13:05:05 End Time: 23:09:45 Time On Btm: 2022.06.09 @ 15:51:00  
 Time Off Btm: 2022.06.09 @ 19:50:30

TEST COMMENT: IF-30-Bob in 15 min  
 IS-60-No return  
 FF-60-3 1/2 Inches  
 FS-90-No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1990.06	108.34	Initial Hydro-static
1	44.82	107.66	Open To Flow (1)
36	115.94	112.48	Shut-In(1)
93	354.90	116.05	End Shut-In(1)
93	128.97	115.94	Open To Flow (2)
150	170.70	119.64	Shut-In(2)
239	341.08	119.73	End Shut-In(2)
240	1904.31	120.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	100% Water	3.24
20.00	80% Water 20 %Mud	0.29
5.00	100% Oil	0.07

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Canyon Operating LLC  
 PO Box 7117  
 Loveland, CO. 80537-7117  
 ATTN: Clayton Erickson

**11-9-25w**  
**Richmeier #11-1**  
 Job Ticket: 59507      **DST#: 4**  
 Test Start: 2022.06.09 @ 13:05:00

**Tool Information**

Drill Pipe:	Length: 3887.00 ft	Diameter: 3.87 inches	Volume: 56.55 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: 117.00 ft	Diameter: 2.25 inches	Volume: 0.58 bbl	Weight to Pull Loose:	lb
			<u>Total Volume: - bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	lb
Depth to Top Packer:	4016.00 ft			Final	lb
Depth to Bottom Packer:	ft				
Interval between Packers:	59.00 ft				
Tool Length:	90.00 ft				
Number of Packers:	2	Diameter: 6.88 inches			

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3986.00	
Shut In Tool	5.00			3991.00	
Hydraulic tool	5.00			3996.00	
Jars	5.00			4001.00	
EM Tool	3.00			4004.00	
Safety Joint	3.00			4007.00	
Packer	5.00			4012.00	31.00      Bottom Of Top Packer
Packer	4.00			4016.00	
Stubb	1.00			4017.00	
Perforations	1.00			4018.00	
Change Over Sub	1.00			4019.00	
Recorder	0.00	8368	Inside	4019.00	
Recorder	0.00	8320	Outside	4019.00	
Drill Pipe	32.00			4051.00	
Change Over Sub	1.00			4052.00	
Perforations	20.00			4072.00	
Bullnose	3.00			4075.00	59.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>90.00</b>				





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Canyon Operating LLC

**11-9-25w**

PO Box 7117  
Loveland, CO. 80537-7117

**Richmeier #11-1**

Job Ticket: 59507

**DST#: 4**

ATTN: Clayton Erickson

Test Start: 2022.06.09 @ 13:05:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

5200 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	100% Water	3.238
20.00	80% Water 20 %Mud	0.291
5.00	100% Oil	0.073

Total Length: 325.00 ft

Total Volume: 3.602 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

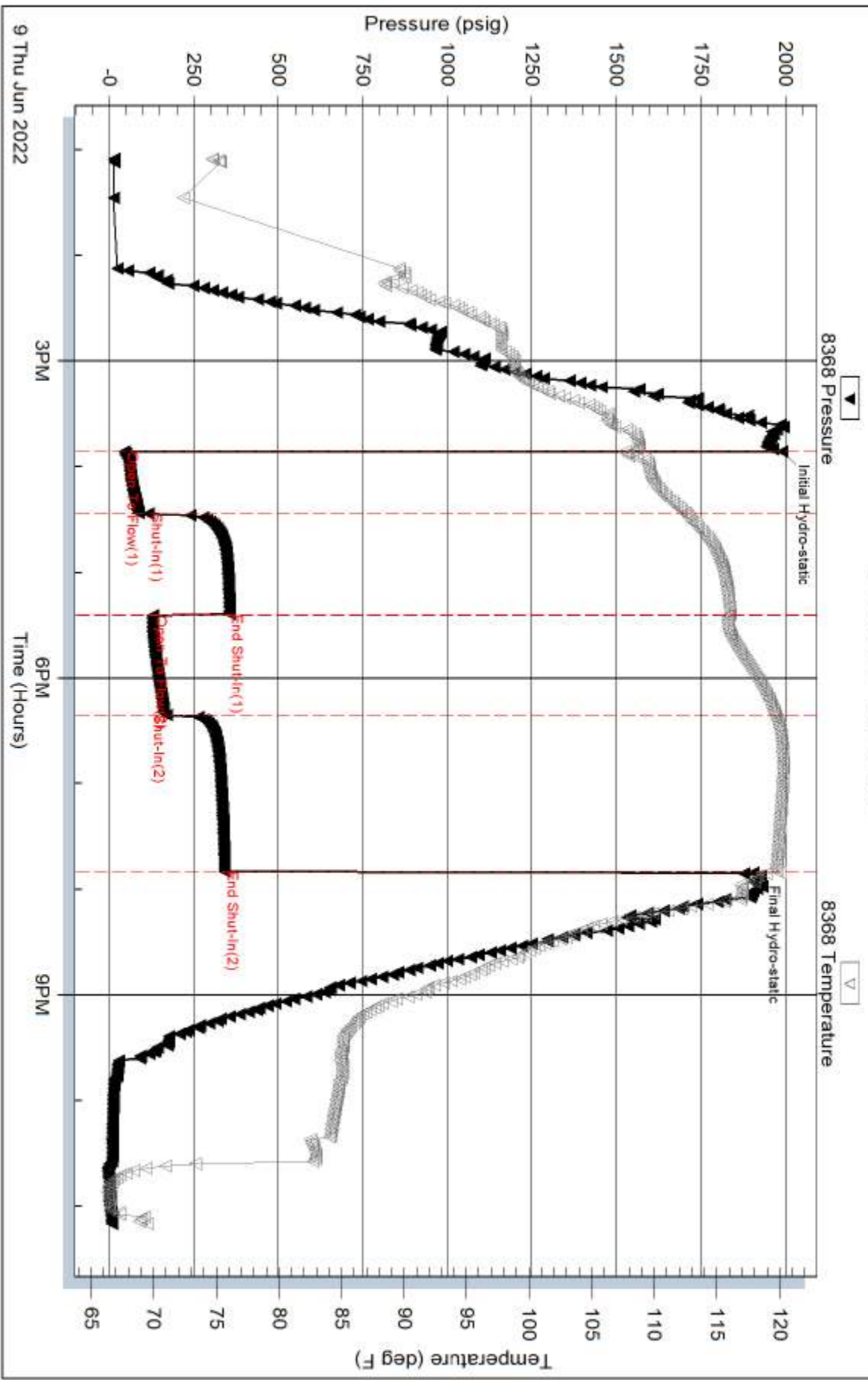
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

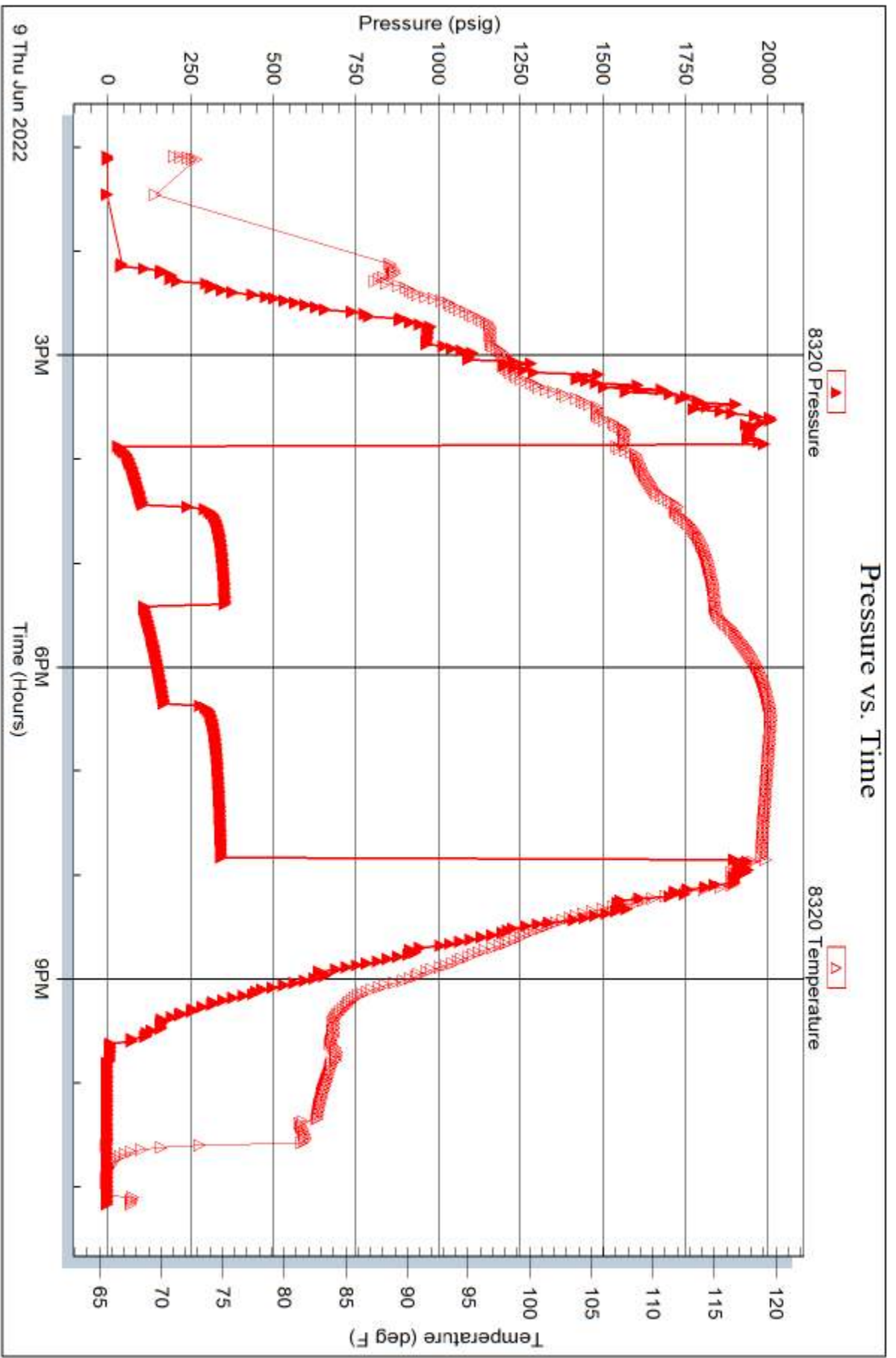


Serial #: 8320

Outside Canyon Operating LLC

Richmeier #11-1

DST Test Number: 4





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59504

4/10

Well Name & No. Richmeier # 11-1 Test No. 1 Date 6-6-22  
 Company Canyon Operating Elevation 2513 KB 2504 GL  
 Address P.O. Box 7117 Loveland, Co. 80531-7117  
 Co. Rep / Geo. Clayton Erickson Rig STP 2  
 Location: Sec. 11 Twp. 9 Rge. 25w Co. Graham State Ks

Interval Tested 3846-3900 Zone Tested LKL A-D  
 Anchor Length 54' Drill Pipe Run 3741 Mud Wt. 8.9  
 Top Packer Depth 3841 Drill Collars Run 117 Vis 53  
 Bottom Packer Depth 3846 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 3900 Chlorides 2000 ppm System LCM 1#

Blow Description IF-30-5 inches  
ISF-60- No Return  
FF-45- 2 inches  
FSI-90- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>720</u>				<u>100</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 720 BHT 120 Gravity \_\_\_\_\_ API RW .09 @ 100 ° F Chlorides 5200 ppm  
 (A) Initial Hydrostatic 1886  Test 1800 T-On Location 20:45  
 (B) First Initial Flow 25  Jars 300 T-Started 23:00  
 (C) First Final Flow 162  Safety Joint \_\_\_\_\_ T-Open 1:10  
 (D) Initial Shut-In 973  Circ Sub \_\_\_\_\_ T-Pulled 4:45  
 (E) Second Initial Flow 144  Hourly Standby \_\_\_\_\_ T-Out 7:53  
 (F) Second Final Flow 291  Mileage 80x2 240 Comments \_\_\_\_\_  
 (G) Final Shut-In 973  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1765  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Initial Open 30  Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Initial Shut-In 60  Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_ Sub Total -350  
 Final Shut-In 90  Day Standby \_\_\_\_\_ Total 2240  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 2590

Approved By \_\_\_\_\_ Our Representative Terrance Wickham

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. 59505

Well Name & No. Richmeier Test No. 2 Date 6-7-22  
 Company Canyon Operating LLC Elevation 2513 KB 2500 GL  
 Address P.O. Box 7117 Loveland, Co. 80537  
 Co. Rep / Geo. Clayton Erickson Rig 5TP 2  
 Location: Sec. 11 Twp. 9s Rge. 25w Co. Bokehern State KS

Interval Tested 3896 - 3930 Zone Tested L/KC E-F  
 Anchor Length 34 Drill Pipe Run 3783 Mud-Wt. 8.9  
 Top Packer Depth 3891 Drill Collars Run \_\_\_\_\_ Vis 45  
 Bottom Packer Depth 3896 Wt. Pipe Run 117 WL 8.4  
 Total Depth 3930 Chlorides 2800 ppm System LCM 1#

Blow Description IF-30 - Surface Blow died in 5 min  
ISI-30 - No Return  
FF-30 - No Return  
FSE-30 - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>				<u>100</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 \_\_\_\_\_ BHT 112 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1919  Test 1800 T-On Location 17:30  
 (B) First Initial Flow 19  Jars 300 T-Started 18:30  
 (C) First Final Flow 23  Safety Joint \_\_\_\_\_ T-Open 20:56  
 (D) Initial Shut-In 806  Circ Sub \_\_\_\_\_ T-Pulled 22:50  
 (E) Second Initial Flow 20  Hourly Standby \_\_\_\_\_ T-Out 1:30 AM  
 (F) Second Final Flow 23  Mileage 80 x 2 240 Comments \_\_\_\_\_  
 (G) Final Shut-In 855  Sampler \_\_\_\_\_ EM Tool -350  
 (H) Final Hydrostatic 1834  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer 250  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total -350  
 Initial Shut-In 30  Day Standby \_\_\_\_\_ Total 2240  
 Final Flow 30  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 30 Sub Total 2590

Approved By \_\_\_\_\_ Our Representative Terrance Wickham

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. 59506

Well Name & No. Richmeier 11-1 Test No. 3 Date 6-8-22  
 Company Canyon Operating Elevation 2513 KB 2506 GL  
 Address P.O. Box 7117 Loveland Co. 80537  
 Co. Rep / Geo. Clayton Erickson Rig STP 2  
 Location: Sec. 11 Twp. 9S Rge. 25W Co. Graham State KS

Interval Tested 3945-4027 Zone Tested L/KL H12  
 Anchor Length ~~3945~~ 82 Drill Pipe Run 3870 Mud Wt. 9.0  
 Top Packer Depth 3945 Drill Collars Run \_\_\_\_\_ Vis 53  
 Bottom Packer Depth 3945 Wt. Pipe Run 117 WL 7.6  
 Total Depth 4027 Chlorides 2700 ppm System LCM 1

Blow Description IF-30 - surface Blow Died in 5 min  
ISI 60 - No Return  
FF 45 - No Return  
FSI 90 - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>				<u>100</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 1 BHT 113 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1966  Test 1950 T-On Location 16:00  
 (B) First Initial Flow 53  Jars 300 T-Started 17:00  
 (C) First Final Flow ~~2024~~ 47  Safety Joint \_\_\_\_\_ T-Open 19:35  
 (D) Initial Shut-In ~~100~~ 244  Circ Sub \_\_\_\_\_ T-Pulled 23:20  
 (E) Second Initial Flow ~~200~~ 48  Hourly Standby \_\_\_\_\_ T-Out 2:00 AM  
 (F) Second Final Flow ~~200~~ 43  Mileage 60 X 2 240 Comments \_\_\_\_\_  
 (G) Final Shut-In 228  Sampler \_\_\_\_\_ EM Tool -350  
 (H) Final Hydrostatic 1421  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total -350  
 Day Standby \_\_\_\_\_ Total 2140  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 2490

Initial Open 30  
 Initial Shut-In 60  
 Final Flow 45  
 Final Shut-In 90

Approved By \_\_\_\_\_ Our Representative Texence Wickham

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# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59507

Well Name & No. Richmeier 11-1 Test No. 4 Date 6-9-22  
 Company Canyon Operating Elevation 2513 KB 2504 GL  
 Address P.O. Box 7117 Loveland, Co. 80537  
 Co. Rep / Geo. Clayton Erickson Rig STP 2  
 Location: Sec. 11 Twp. 9S Rge. 25W Co. Graham State KS

Interval Tested 4016-4075 Zone Tested L/KL "K"  
 Anchor Length 59 Drill Pipe Run 3887 Mud Wt. 9.0  
 Top Packer Depth 4011 Drill Collars Run 117 Vis 49  
 Bottom Packer Depth 4016 Wt. Pipe Run \_\_\_\_\_ WL 8.0  
 Total Depth 4075 Chlorides 2900 ppm System LCM 14

Blow Description IF 30 - Bob in 15 Min  
ISI 40 - No Return  
FS 60 - 3 1/2 inches  
FSI 90 - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>		<u>100</u>			
<u>20</u>			<u>80</u>	<u>20</u>	
<u>300</u>			<u>100</u>		

Rec Total 325 BHT 120 Gravity \_\_\_\_\_ API RW .09 @ 100 ° F Chlorides 5300 ppm

(A) Initial Hydrostatic 1990  Test 1950 T-On Location 11:50  
 (B) First Initial Flow 45  Jars 300 T-Started 13:05  
 (C) First Final Flow 116  Safety Joint \_\_\_\_\_ T-Open 3:50  
 (D) Initial Shut-In 355  Circ Sub \_\_\_\_\_ T-Pulled 7:50  
 (E) Second Initial Flow 129  Hourly Standby \_\_\_\_\_ T-Out \_\_\_\_\_  
 (F) Second Final Flow 171  Mileage 80x2 240 Comments \_\_\_\_\_  
 (G) Final Shut-In 341  Sampler \_\_\_\_\_ EM Tool -350  
 (H) Final Hydrostatic 1904  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer 335  
 Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Packer \_\_\_\_\_ Sub Total 335 - 350  
 Initial Shut-In 60  Extra Recorder \_\_\_\_\_ Total 2475  
 Final Flow 60  Day Standby \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 90  Accessibility \_\_\_\_\_  
 Sub Total 2490

Approved By \_\_\_\_\_ Our Representative Terrence Wickham

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Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: Richmeier #11-1  
 API: 15-065-24217-00-00  
 Location: NW SE NE NE Sec11 T9S R25W  
 License Number:  
 Spud Date: 6/1/2022  
 Surface Coordinates: 750' FNL & 335' FEL  
 Region: Graham County, KS  
 Drilling Completed: 6/10/2022

Bottom Hole Coordinates: Surface casing- 8 5/8 @ 200'  
 Production casing-  
 Ground Elevation (ft): 2506  
 K.B. Elevation (ft): 2513  
 Logged Interval (ft): 3550  
 To: TD  
 Total Depth (ft): 4150  
 Formation:  
 Type of Drilling Fluid: Chemical Mud

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Canyon Operating LLC  
 Address: 5228 Lonetree Dr  
 Loveland, CO 80537

GEOLOGIST

Name: Clayton Erickson  
 Company: Erickson Wellsite Geology  
 Address: 402 Palmer Street  
 P.O. Box 294  
 Loomis, NE 68958

DSTs

DST #1 3846-3900 30-60-45-90; Hydro: 1886-1765 IFF: 25-162 ISIP: 973 FFP: 144-291 FSIP: 978; Rec: 720' water; BHT: 120F; RW: .09@100F Chl: 5,200ppm; IF: 5" ISI: dead FF: 2" FSI: dead

DST #2 3896-3930 30-30-30-30; Hydro: 1919-1834 IFF: 19-23 ISIP: 806 FFP: 20-23 FSIP: 855; Rec: 2' mud; BHT: 112F; IF: dead in 5 min ISI: dead FF: dead FSI: dead

DST #3 3945-4027 30-60-45-90; Hydro: 1966-1821 IFF: 53-47 ISIP: 244 FFP: 48-43 FSIP: 228; Rec: 1' mud; BHT: 113F; IF: dead in 5 min ISI: dead FF: dead FSI: dead

DST #4 4016-4075 30-60-60-90; Hydro: 1990-1904 IFF: 45-116 ISIP: 355 FFP: 129-171 FSIP: 341; Rec: 5' oil 20' 80%w 20%w 300' 100%w; BHT: 120F; RW: .09@100F Chl: 5200ppm; IF: BOB 15min ISI: dead FF: 3 1/2" FSI: dead

COMMENTS

Based on careful examination of rock samples, DST results and Elogs it was decided to P&A this location.

FORMATION TOPS

	Log Tops	Sample tops
Anhydrite	2212(+301)	3590(-1077)
TOPEKA	3587(-1074)	3803(-1290)
HEEBNER	3801(-1288)	3843(-1330)
LANSING	3842(-1329)	4064(-1551)
BKC	4062(-1549)	4150(-1637)
TD	4149(-1636)	

ROCK TYPES			
	Anhy		Gyp
	Bent		Igne
	Brec		Lmst
	Cht		Meta
	Clyst		Mrlst
	Carb. shale		Salt
	Arkose		Shale
	Dol		Shcol
			Shgy
			Sstst
			Ss
			Till

OTHER SYMBOLS			
	Oil Show Even		Spotted Ques
	Dead		Interval Dst

