

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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Form	ACO1 - Well Completion
Operator	Satchell Creek Petroleum, LLC
Well Name	WORCESTER A 7-21
Doc ID	1730845

All Electric Logs Run

BHCS
BHV
DIL
DUCP
MEL

Form	ACO1 - Well Completion
Operator	Satchell Creek Petroleum, LLC
Well Name	WORCESTER A 7-21
Doc ID	1730845

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
4	3574	3577			
4	3606	3610			
4	3622	3626			
4	3638	3642			
4	3646	3652			
4	3730	3734			
4	3748	3756			



# Sean Deenihan

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

COMPANY **Satchell Creek Petroleum, LLC**

LEASE **Worcester A #7-21**

FIELD **Wildcat**

LOCATION **1833 FNL & 766 FWL**

SEC **21 TWS** **7S RGE 22W**

COUNTY **Graham STATE Kansas**

CONTRACTOR **Feature Drilling Rig #1**

SPUD **5/29/23 COMP 6/6/23**

RTD **4010' LTD 4010'**

MUD UP **3100' TYPE MUD Chemical**

SAMPLES SAVED FROM **3100' TO RTD**

DRILLING TIME KEPT FROM **3100' TO RTD**

SAMPLES EXAMINED FROM **3100' TO RTD**

GEOLOGICAL SUPERVISION FROM **3100'**

REFERENCE WELL **CND/DIL, MIC/SON**

ELEVATIONS  
KB **2348'**

DF \_\_\_\_\_

GL **2340'**

Measurements Are All From Kelly Bushing

CASING \_\_\_\_\_

CONDUCTOR \_\_\_\_\_

SURFACE **8-5/8" at 264'**

PRODUCTION **NONE**

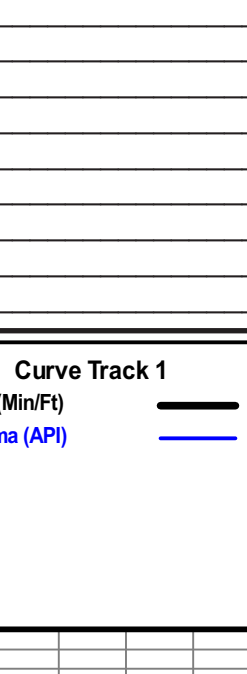
ELECTRICAL \_\_\_\_\_

SURVEYS **Midwest**

CND/DIL \_\_\_\_\_

MIC/SON \_\_\_\_\_

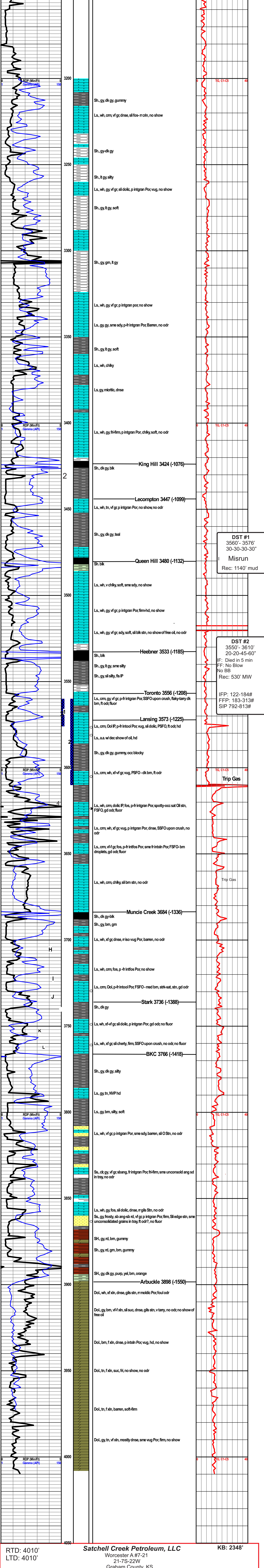
Formation	Sample Tops	E-log Tops	Struct Fes.
Heebner Sh		3533 (-1185)	
Lansing		3477 (-1232)	
Stark Shale		3740 (-1392)	
BKC		3767 (-1419)	
Arbuckle		3898 (-1550)	



REMARKS The Worcester A #7-21 had several shows of oil and the decision was made to further evaluate this well through production casing

Respectfully Submitted,

Sean P. Deenihan



RTD: 4010'  
LTD: 4010'

**Satchell Creek Petroleum, LLC**  
Worcester A #7-21  
21-7S-22W  
Graham County, KS

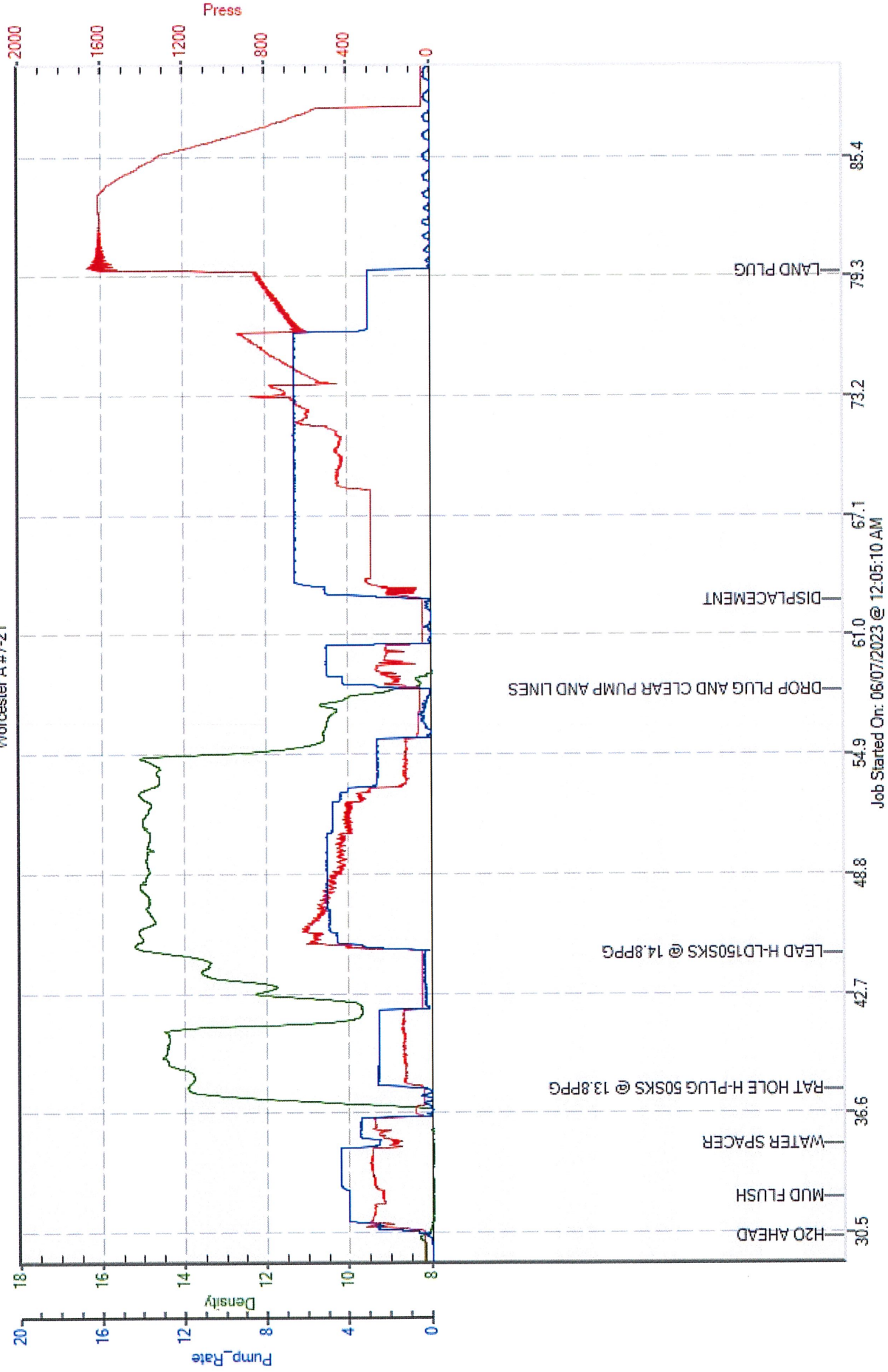
KB: 2348'







Satchell Creek  
Worcester A #7-21





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

Customer:  
 SATCHELL CREEK  
 C/O FEATURE DRILLING LLC  
 4320 VINE ST PMB 386  
 HAYS, KS 67601

Invoice Date: 6/14/2023  
 Invoice #: 0369215  
 Lease Name: Worcester 'A'  
 Well #: 7 (New)  
 County: Graham, Ks  
 Job Number: WP4400  
 District: Pratt

Date/Description	HRS/QTY	Rate	Total
Port Collar	0.000	0.000	0.00
H-CON	300.000	25.000	7,500.00
Light Eq Mileage	150.000	2.000	300.00
Heavy Eq Mileage	300.000	4.000	1,200.00
Ton Mileage	2,115.000	1.500	3,172.50
Cement Blending & Mixing	300.000	1.400	420.00
Depth Charge 1001'-2000'	1.000	1,500.000	1,500.00
Cement Data Acquisition	1.000	250.000	250.00
Service Supervisor	1.000	275.000	275.00

**Total** 14,617.50

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

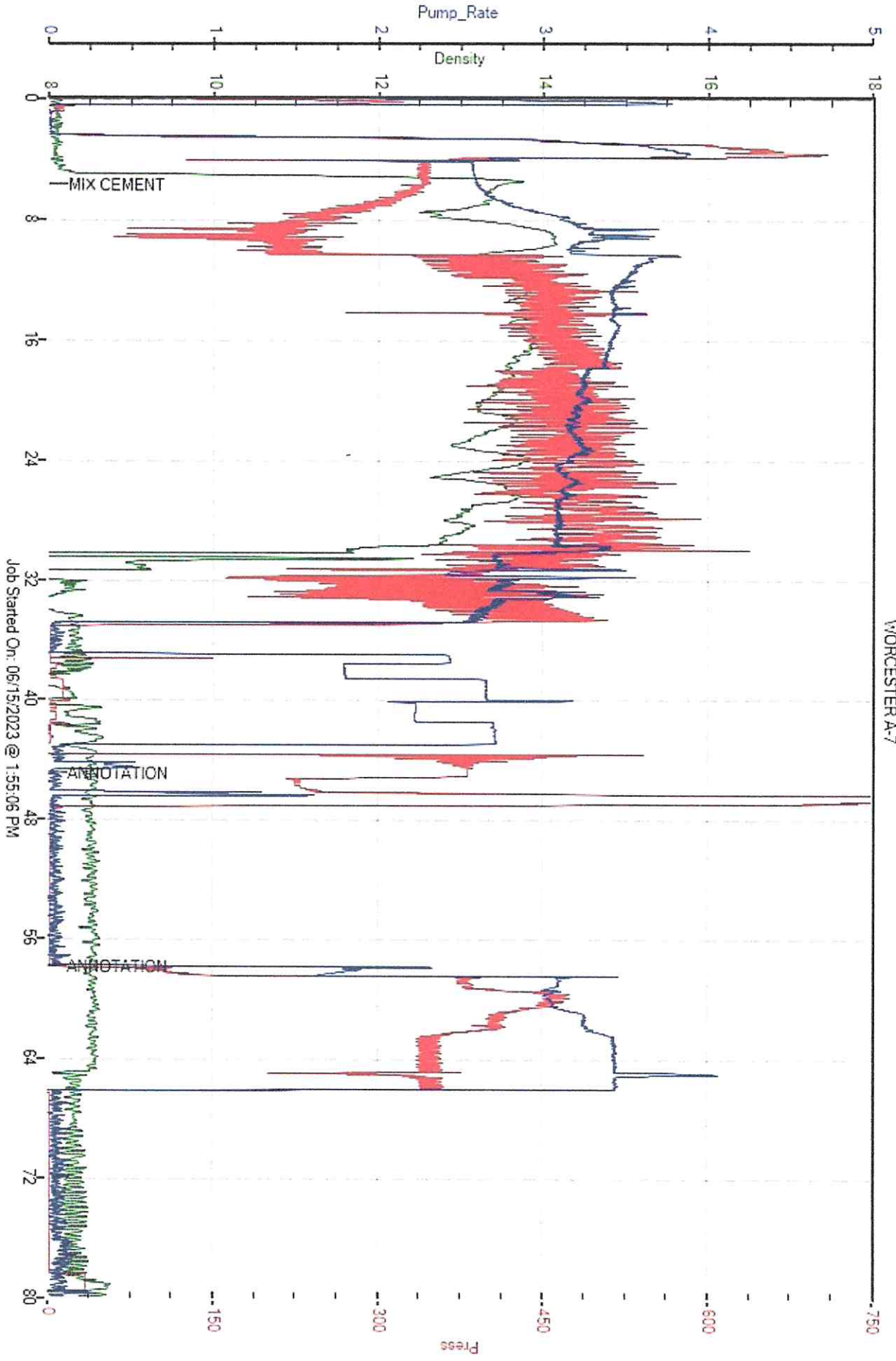
**SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

**WE APPRECIATE YOUR BUSINESS!**





SATCHEL CREEK  
WORCESTER A-7





## DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina St.  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Worcester A7-21**

**Graham 21-07S-22W**

Start Date: 2023.06.04 @ 10:27:00

End Date: 2023.06.04 @ 17:01:30

Job Ticket #: 01583                      DST #: 1

Eagle Testers  
1309 Patton Road    Great Bend, Kansas 67530  
620-791-7394

Printed: 2023.06.04 @ 11:00:26



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

**Graham 21-07S-22W**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A7-21**

ATTN: Chris Leiker & Sean

Job Ticket: 01583

**DST#: 1**

Test Start: 2023.06.04 @ 10:27:00

## GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:19:00

Time Test Ended: 17:01:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

**Interval: 3560.00 ft (KB) To 3576.00 ft (KB) (TVD)**

Reference Elevations: 2348.00 ft (KB)

Total Depth: 3576.00 ft (KB) (TVD)

2340.00 ft (CF)

Hole Diameter: 6.75 inches Hole Condition:

KB to GR/CF: 8.00 ft

## Serial #: 9119

Press@RunDepth: 830.08 psig @ 3583.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.06.04

End Date: 2023.06.04

Last Calib.: 1899.12.30

Start Time: 10:27:00

End Time: 17:01:30

Time On Btm: 2023.06.04 @ 13:03:30

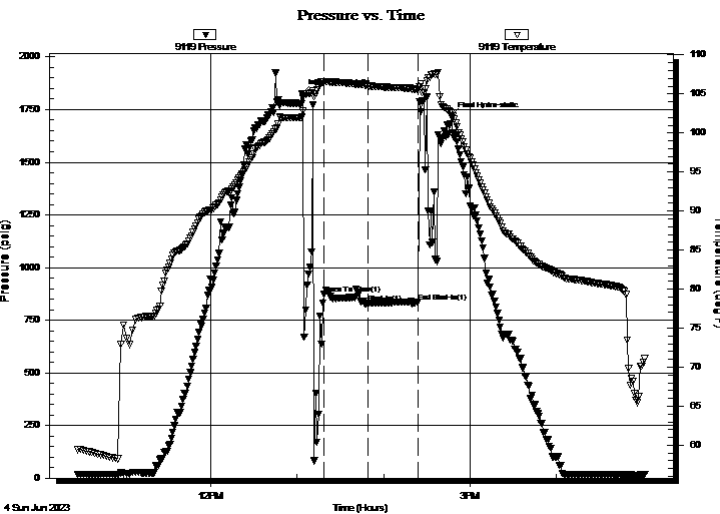
Time Off Btm: 2023.06.04 @ 14:47:00

TEST COMMENT: Initial Blow : Weak surface blow for 3 minutes and died

Blow back: N/A

Final Blow : N/A

Blow back: N/A



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1824.47	102.02	Initial Hydro-static
16	873.71	106.55	Open To Flow (1)
46	830.08	106.04	Shut-In(1)
81	835.48	105.60	End Shut-In(1)
104	1718.62	102.53	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1140.00	Drilling Mud	

## Gas Rates

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







# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Satchell Creek Petroleum

**Graham 21-07S-22W**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A7-21**

Job Ticket: 01583

**DST#: 1**

ATTN: Chris Leiker & Sean

Test Start: 2023.06.04 @ 10:27:00

## Tool Information

Drill Pipe:	Length: 3550.00 ft	Diameter:	inches	Volume: 3448550 bbl	Tool Weight:	20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter:	inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter:	inches	Volume: 0.00 bbl	Weight to Pull Loose:	75000.00 lb
				<u>Total Volume: 3448550 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.50 ft				String Weight: Initial	60000.00 lb
Depth to Top Packer:	3560.00 ft				Final	lb
Depth to Bottom Packer:	ft					
Interval between Packers:	16.00 ft					
Tool Length:	44.50 ft					
Number of Packers:	2	Diameter:	6.75 inches			
Tool Comments:						

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3536.50	
Hydraulic tool	6.00			3542.50	
Jars	4.00			3546.50	
Safety Joint	2.50			3549.00	
Packer	6.50			3555.50	28.50 Bottom Of Top Packer
Packer	4.50			3560.00	
Anchor	11.00			3571.00	
Recorder	0.00	9119	Inside	3571.00	
Recorder	0.00	9139	Outside	3571.00	
Bullnose	5.00			3576.00	16.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>44.50</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Satchell Creek Petroleum

**Graham 21-07S-22W**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A7-21**

Job Ticket: 01583

**DST#: 1**

ATTN: Chris Leiker & Sean

Test Start: 2023.06.04 @ 10:27:00

### 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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1140.00	Drilling Mud	

Total Length: 1140.00 ft      Total Volume:                      bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



# DRILL STEM TEST REPORT

**GAS RATES**

Satchell Creek Petroleum

**Graham 21-07S-22W**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A7-21**

Job Ticket: 01583

**DST#: 1**

ATTN: Chris Leiker & Sean

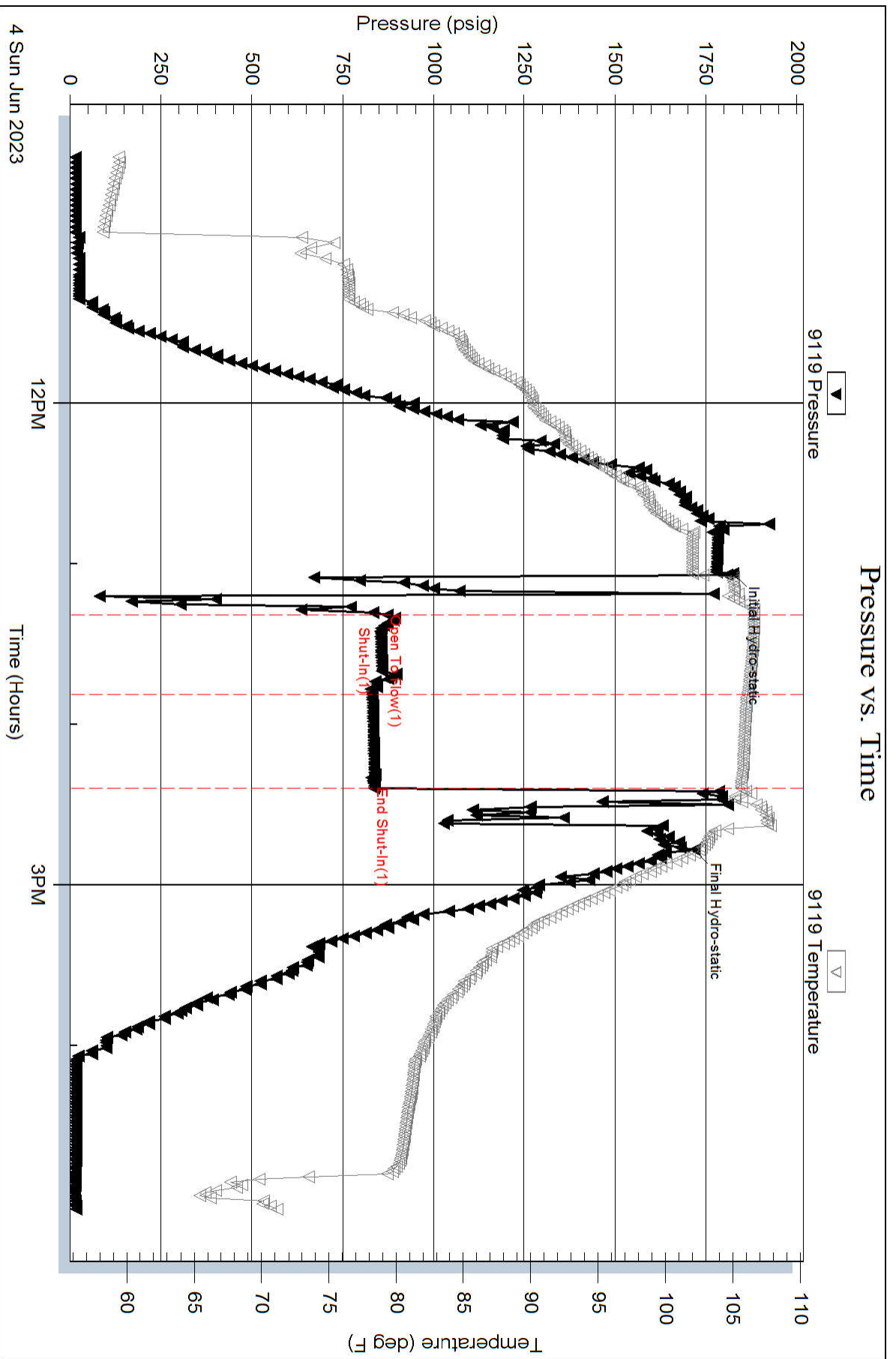
Test Start: 2023.06.04 @ 10:27:00

## Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

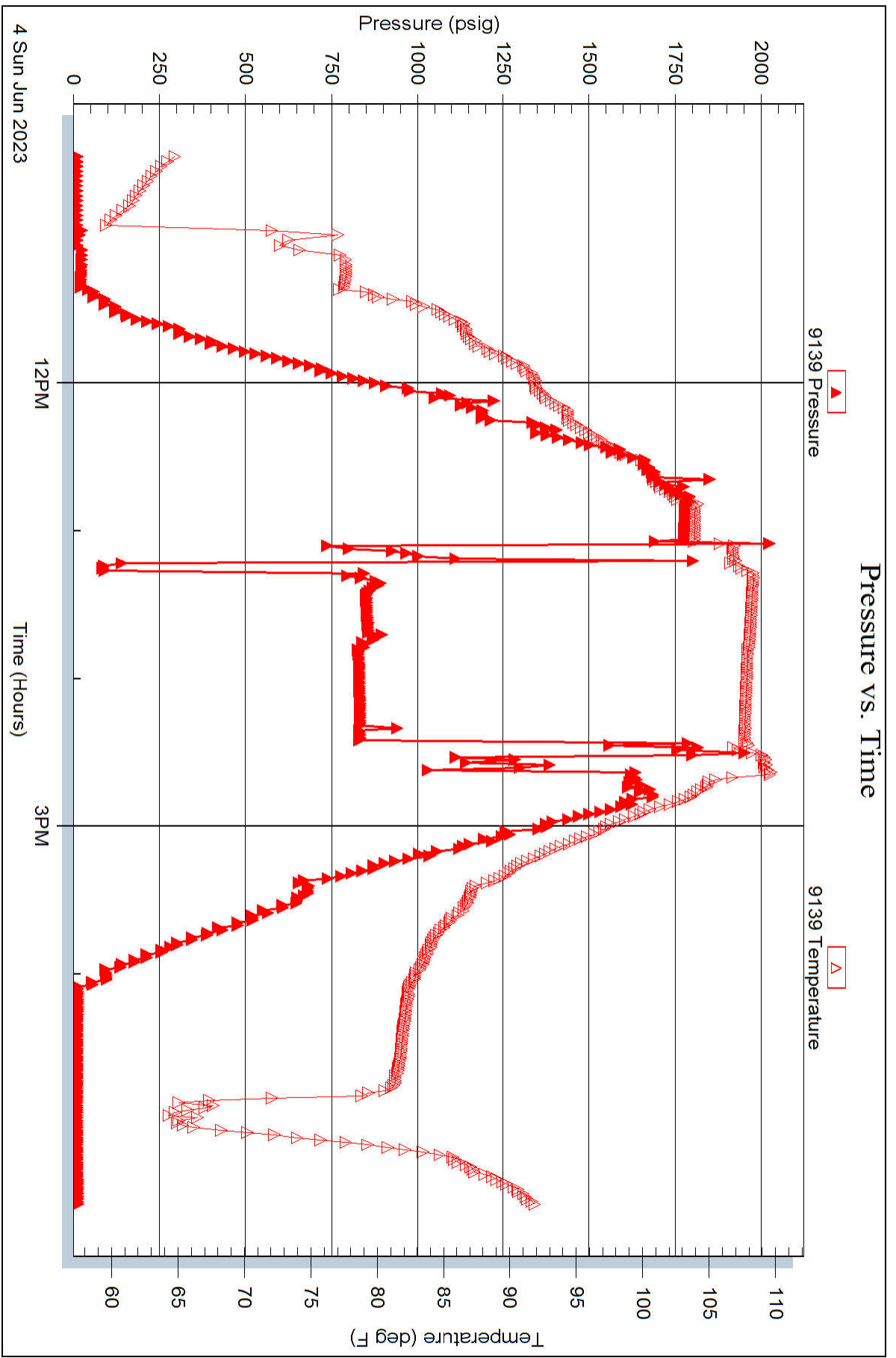


Serial #: 9139

Satchell Creek Petroleum

Worcester A7-21

DST Test Number: 1



Eagle Testers

Ref. No: 01583

Printed: 2023.06.04 @ 11:00:35



## DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina St.  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Worcester A7-21**

**Graham 21-07S-22W**

Start Date: 2023.06.04 @ 05:30:00

End Date: 2023.06.05 @ 12:09:00

Job Ticket #: 01591                      DST #: 2

Eagle Testers  
1309 Patton Road    Great Bend, Kansas 67530  
620-791-7394

Printed: 2023.06.05 @ 01:47:37



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

**Graham 21-07S-22W**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A7-21**

ATTN: Chris Leiker & Sean

Job Ticket: 01591

**DST#: 2**

Test Start: 2023.06.04 @ 05:30:00

## GENERAL INFORMATION:

Formation: **LANSING A&B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:35:00

Time Test Ended: 12:09:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

**Interval: 3560.00 ft (KB) To 3610.00 ft (KB) (TVD)**

Reference Elevations: 2348.00 ft (KB)

Total Depth: 3610.00 ft (KB) (TVD)

2340.00 ft (CF)

Hole Diameter: 6.75 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 9139 Outside**

Press@RunDepth: 809.01 psig @ 3605.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.06.04

End Date: 2023.06.05

Last Calib.: 1899.12.30

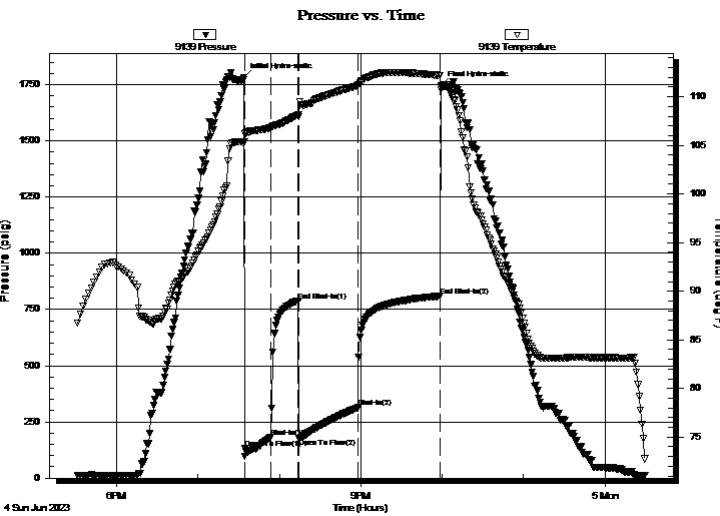
Start Time: 17:31:09

End Time: 00:29:39

Time On Btm: 2023.06.04 @ 19:33:39

Time Off Btm: 2023.06.04 @ 21:59:09

**TEST COMMENT:** 1st flow 20 minutes fair blow built to the bottom of the bucket in 8 minutes  
 1st shut-in 20 minutes no blow back  
 2nd flow 45 minutes weak building blow built to 3 inches  
 2nd shut-in 60 Minutes no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.52	105.37	Initial Hydro-static
1	132.54	106.17	Open To Flow (1)
20	181.31	106.82	Shut-In(1)
40	789.19	108.11	End Shut-In(1)
41	177.30	107.97	Open To Flow (2)
84	313.55	111.13	Shut-In(2)
145	809.01	112.21	End Shut-In(2)
146	1746.40	110.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
110.00	water mud w with a trace of oil	1.54
0.00	45%Mud 55%Water	0.00
60.00	Muddy Water with a trace of oil	0.84
0.00	40%Mud 60%Water	0.00
60.00	Muddy Water With a trace of oil	0.84
0.00	35%Mud 65%Water	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

**Graham 21-07S-22W**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A7-21**

ATTN: Chris Leiker & Sean

Job Ticket: 01591

**DST#: 2**

Test Start: 2023.06.04 @ 05:30:00

## GENERAL INFORMATION:

Formation: **LANSING A&B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:35:00

Time Test Ended: 12:09:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

**Interval: 3560.00 ft (KB) To 3610.00 ft (KB) (TVD)**

Reference Elevations: 2348.00 ft (KB)

Total Depth: 3610.00 ft (KB) (TVD)

2340.00 ft (CF)

Hole Diameter: 6.75 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 9119**

**Inside**

Press@RunDepth: 812.57 psig @ 3605.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.06.04

End Date:

2023.06.05

Last Calib.:

1899.12.30

Start Time:

17:31:17

End Time:

00:29:17

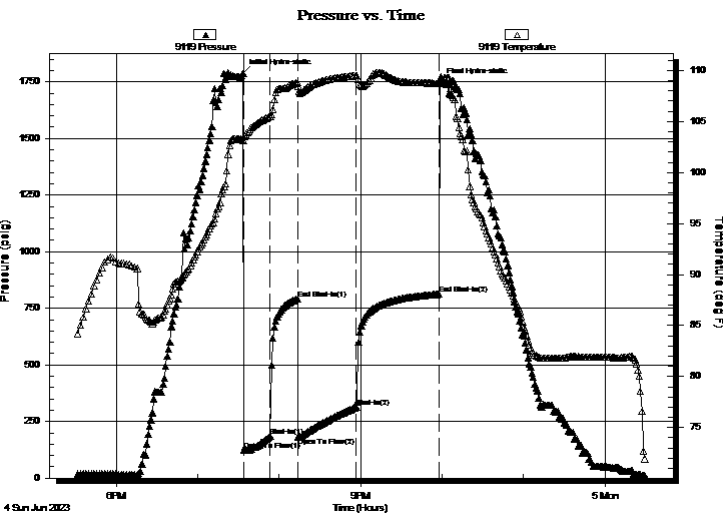
Time On Btm:

2023.06.04 @ 19:33:17

Time Off Btm:

2023.06.04 @ 21:58:17

**TEST COMMENT:** 1st flow 20 minutes fair blow built to the bottom of the bucket in 8 minutes  
1st shut-in 20 minutes no blow back  
2nd flow 45 minutes weak building blow built to 3 inches  
2nd shut-in 60 Minutes no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1786.81	103.14	Initial Hydro-static
1	122.09	103.08	Open To Flow (1)
20	183.81	105.52	Shut-In(1)
40	792.27	108.78	End Shut-In(1)
41	182.64	108.39	Open To Flow (2)
84	313.70	109.49	Shut-In(2)
145	812.57	108.69	End Shut-In(2)
145	1746.67	109.04	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
110.00	water mud w with a trace of oil	1.54
0.00	45%Mud 55%Water	0.00
60.00	Muddy Water with a trace of oil	0.84
0.00	40%Mud 60%Water	0.00
60.00	Muddy Water With a trace of oil	0.84
0.00	35%Mud 65%Water	0.00

## Gas Rates

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





# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Satchell Creek Petroleum

**Graham 21-07S-22W**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A7-21**

ATTN: Chris Leiker & Sean

Job Ticket: 01591

**DST#: 2**

Test Start: 2023.06.04 @ 05:30:00

## Tool Information

Drill Pipe:	Length: 3561.00 ft	Diameter: 3.80 inches	Volume: 49.95 bbl	Tool Weight: 20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 57000.00 lb
			<u>Total Volume: 49.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.50 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3560.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	78.50 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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Shut In Tool	5.00			3536.50	
Hydraulic tool	6.00			3542.50	
Jars	4.00			3546.50	
Safety Joint	2.50			3549.00	
top Packer	6.50			3555.50	
Packer	4.50			3560.00	28.50 Bottom Of Top Packer
Anchor	45.00			3605.00	
Recorder	0.00	9119	Inside	3605.00	
Recorder	0.00	9139	Outside	3605.00	
Bullnose	5.00			3610.00	50.00 Anchor Tool
<b>Total Tool Length:</b>	<b>78.50</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Satchell Creek Petroleum

**Graham 21-07S-22W**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A7-21**

Job Ticket: 01591

**DST#: 2**

ATTN: Chris Leiker & Sean

Test Start: 2023.06.04 @ 05:30:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 55.00 sec/qt  
Water Loss: 5.40 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 900.00 ppm  
Filter Cake: 1.00 inches

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

Oil API: deg API  
Water Salinity: 38000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	water mud with a trace of oil	1.543
0.00	45%Mud 55%Water	0.000
60.00	Muddy Water with a trace of oil	0.842
0.00	40%Mud 60%Water	0.000
60.00	Muddy Water With a trace of oil	0.842
0.00	35%Mud 65%Water	0.000
120.00	Muddy Water with a trace of oil	1.683
0.00	10%Mud 90%water	0.000
120.00	muddy water With a trace of oil	1.683
0.00	5%Mud 95%Water with a trace of oil	0.000
60.00	Muddy water with a trace of oil	0.842
0.00	45%Muds 55%Water with a trace of oil	0.000
0.00	all samples had less than 1%OIL	0.000
0.00	Chlorides 38000	0.000

Total Length: 530.00 ft      Total Volume: 7.435 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



# DRILL STEM TEST REPORT

**GAS RATES**

Satchell Creek Petroleum

**Graham 21-07S-22W**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A7-21**

Job Ticket: 01591

**DST#: 2**

ATTN: Chris Leiker & Sean

Test Start: 2023.06.04 @ 05:30:00

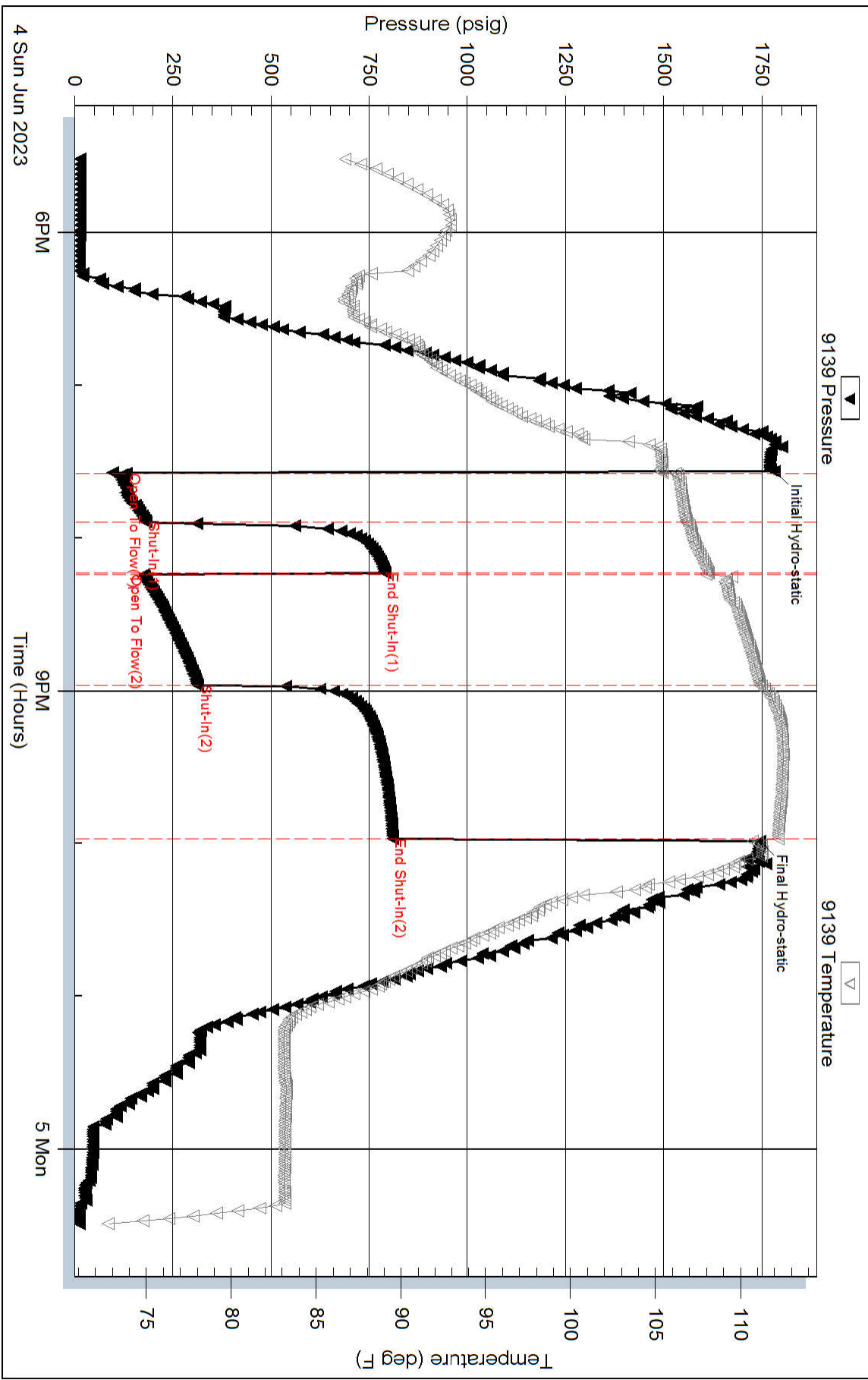
## Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

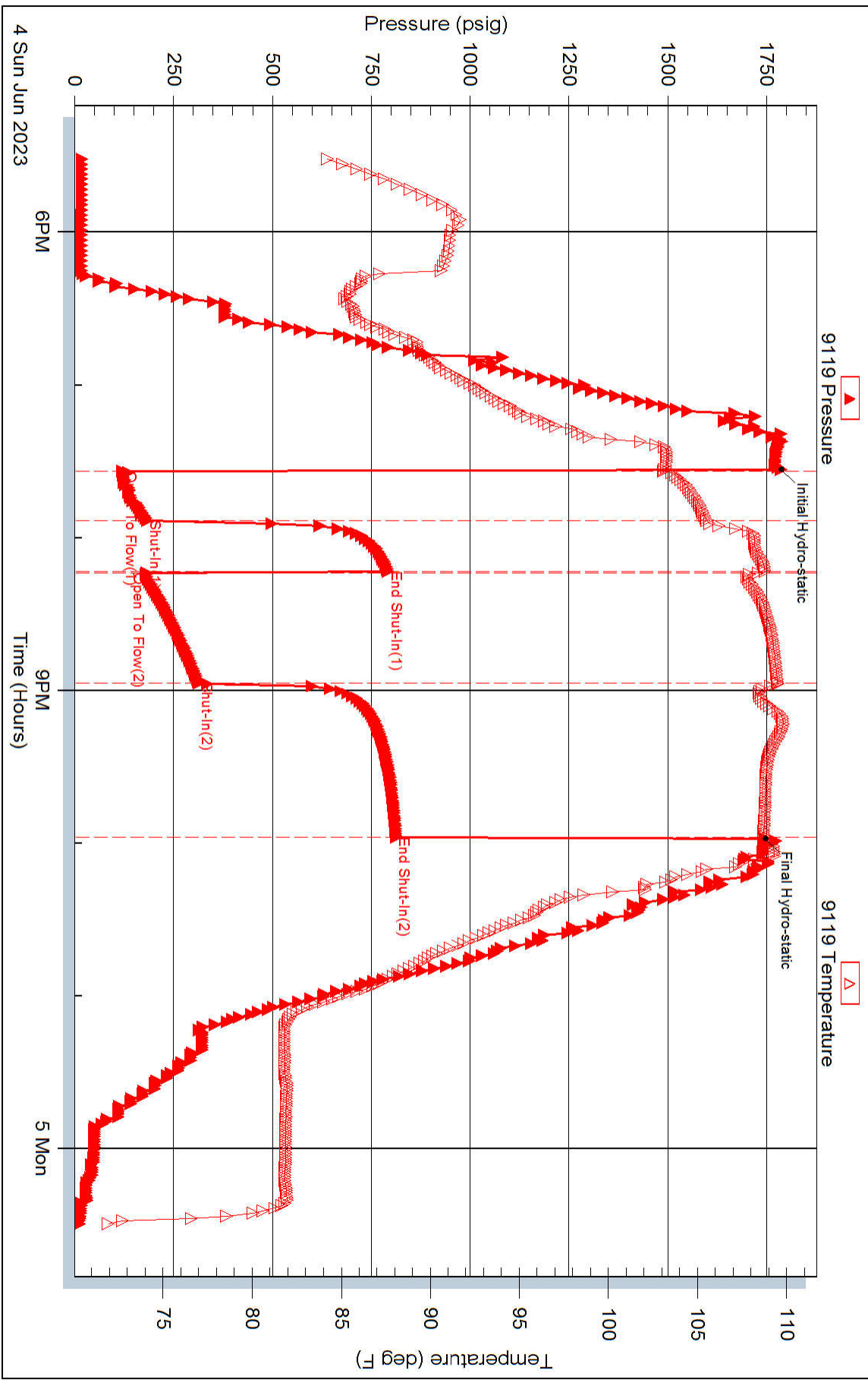
Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

### Pressure vs. Time



### Pressure vs. Time



Conservation Division  
266 N. Main St., Ste. 220  
Wichita, KS 67202-1513



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Andrew J. French, Chairperson  
Dwight D. Keen, Commissioner  
Annie Kuether, Commissioner

Laura Kelly, Governor

October 15, 2023

Michael J. Hopson  
Satchell Creek Petroleum, LLC  
3032 N CORTINA STREET  
WICHITA, KS 67205-7536

Re: ACO-1  
API 15-065-24256-00-00  
WORCESTER A 7-21  
NW/4 Sec.21-07S-22W  
Graham County, Kansas

Dear Michael J. Hopson:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 5/29/2023 and the ACO-1 was received on October 04, 2023 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department