

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 \_\_\_\_\_ 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 A2-22
Doc ID	1726978

All Electric Logs Run

DIL
BHCS
DUCP
BHV
MEL



# Sean Deenihan

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

COMPANY Satchell Creek Petroleum, LLC  
 LEASE Worcester A #2-22  
 FIELD Wildcat  
 LOCATION 1428' FNL & 2202' FWL  
 SEC 22 TWPSP 7S RGE 22W  
 COUNTY Graham STATE Kansas  
 CONTRACTOR Feature Drilling Rig #1  
 SPUD 5/5/23 COMP 5/10/23  
 RTD 3880' LTD 3871'  
 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 \_\_\_\_\_

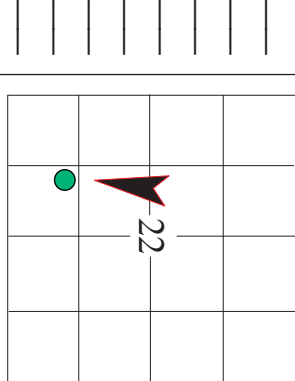
ELEVATIONS  
 KB 2270'

DF \_\_\_\_\_  
 GL 2263'  
 Measurements Are All From Kelly Bushing

CASING  
 CONDUCTOR \_\_\_\_\_  
 SURFACE 8-5/8" at 266'  
 PRODUCTION NONE

ELECTRICAL SURVEYS  
 Midwest  
 CND/DIL \_\_\_\_\_  
 MIC/SON \_\_\_\_\_

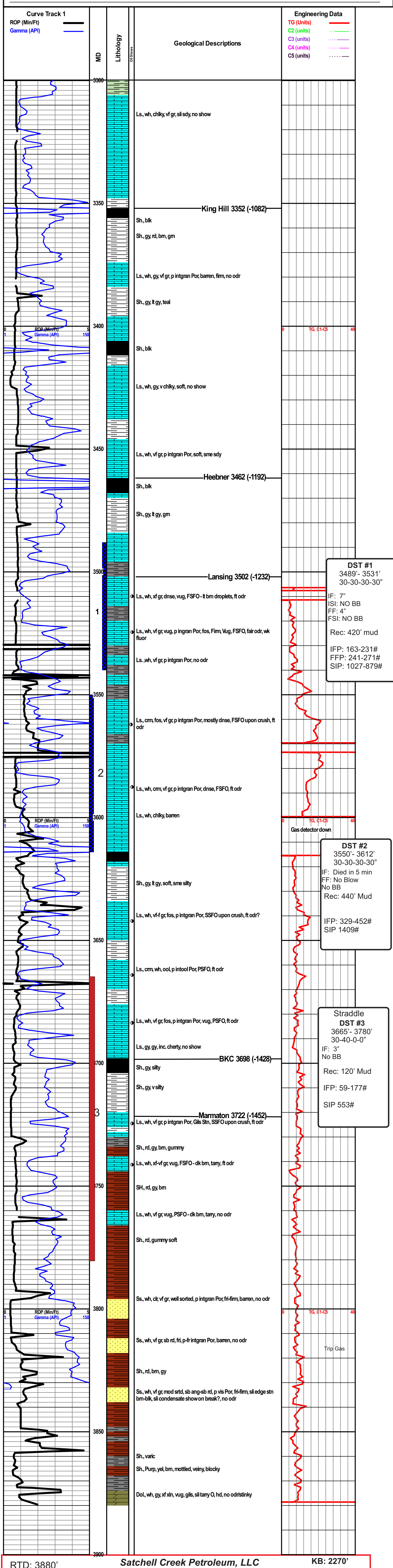
Formation	Sample Tops	E-log Tops	Struct Pos.
Heebner Sh.		3462 (-1192)	
Lansing		3502 (-1232)	
Stark Shale		3670 (-1400)	
BKC		3698 (-1429)	



REMARKS The Worcester A #2-22 had several shows of oil and the decision was made to further evaluate this well through production casing

Respectfully Submitted,

Sean P. Deenihan



RTD: 3880'  
 LTD: 3871'

**Satchell Creek Petroleum, LLC**  
 Worcester A #2-22  
 22-7S-22W  
 Graham County, KS

KB: 2270'















## DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina St.  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Worcester A6-21-ALDA**

**21-7-22 Graham County**

Start Date: 2023.05.13 @ 18:00:04

End Date:

Job Ticket #: 1583

DST #: 1

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

Printed: 2023.06.22 @ 13:01:04



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

21-7-22 Graham County

3032 N Cortina St.  
Wichita, KS 67205

Worcester A6-21-ALDA

ATTN: Chris Leiker & Sean

Job Ticket: 1583

DST#: 1

Test Start: 2023.05.13 @ 18:00:04

## GENERAL INFORMATION:

Formation: **Lansing B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Interval: **3521.00 ft (KB) To 3632.00 ft (KB) (TVD)**

Reference Elevations: 2347.00 ft (KB)

Total Depth: 3632.00 ft (KB) (TVD)

2339.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: **9139** Outside

Press@RunDepth: 577.68 psig @ 3627.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.05.14 End Date: 2023.05.14

Last Calib.: 1899.12.30

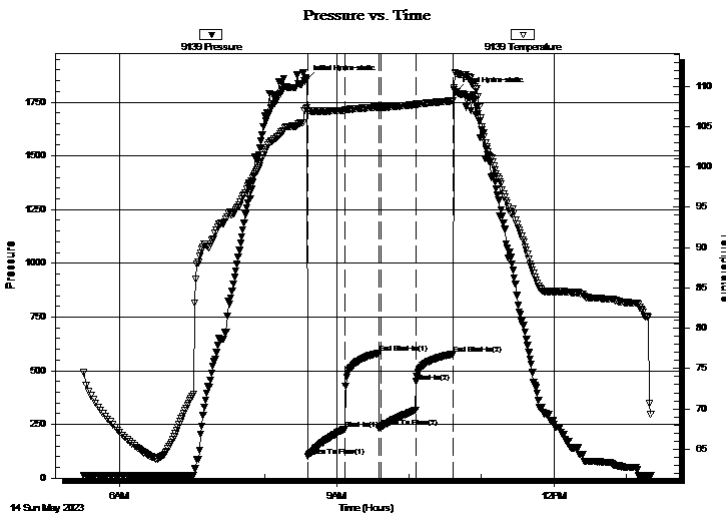
Start Time: 05:30:17 End Time: 13:20:17

Time On Btm: 2023.05.14 @ 08:35:17

Time Off Btm: 2023.05.14 @ 10:39:17

TEST COMMENT: Initial Blow :Weak Building Blow Bottom of Bucket in 11 mins  
Blow back on 1st shut-in: N/A  
Final: Weak Building Blow Bottom of Bucket in 30 mins  
Blow back on 2nd shut-in: N/A

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1855.44	107.39	Initial Hydro-static
2	102.69	106.96	Open To Flow (1)
32	228.69	107.03	Shut-In(1)
60	582.29	107.44	End Shut-In(1)
61	235.62	107.36	Open To Flow (2)
91	448.64	107.77	Shut-In(2)
121	577.68	108.20	End Shut-In(2)
124	1799.10	111.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	10%Oil 64%mud 26%w ater	0.00
60.00	Mud w ith trace oil	0.84
0.00	1%oil 99%mud 0%w ater	0.00
60.00	slightly oil cut mud	0.84
0.00	5%Oil 70%mud 25%w ater	0.00
60.00	Very Slightly Oil Cut Watery Mud	0.84

## Gas Rates

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



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

21-7-22 Graham County

3032 N Cortina St.  
Wichita, KS 67205

Worcester A6-21-ALDA

ATTN: Chris Leiker & Sean

Job Ticket: 1583

DST#: 1

Test Start: 2023.05.13 @ 18:00:04

## GENERAL INFORMATION:

Formation: **Lansing B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Interval: **3521.00 ft (KB) To 3632.00 ft (KB) (TVD)**

Reference Elevations: 2347.00 ft (KB)

Total Depth: 3632.00 ft (KB) (TVD)

2339.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 9119

Inside

Press@RunDepth: 580.02 psig @ 3627.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.05.14

End Date: 2023.05.14

Last Calib.: 1899.12.30

Start Time: 05:30:52

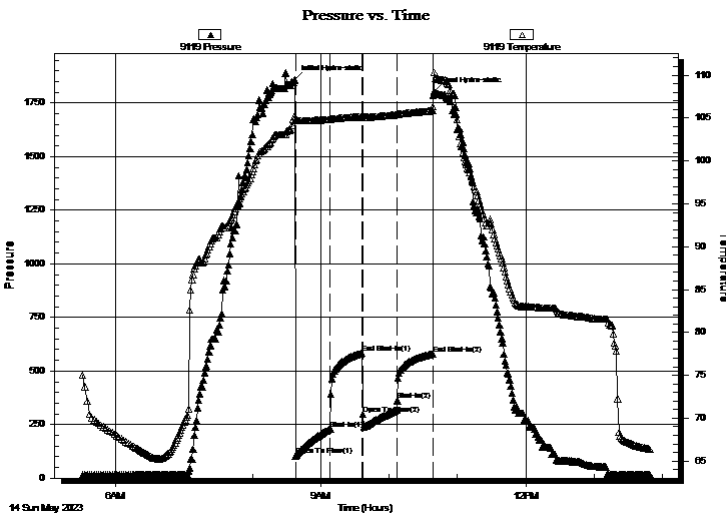
End Time: 13:49:22

Time On Btm: 2023.05.14 @ 08:36:52

Time Off Btm: 2023.05.14 @ 10:39:52

TEST COMMENT: Initial Blow :Weak Building Blow Bottom of Bucket in 11 mins  
Blow back on 1st shut-in: N/A  
Final: Weak Building Blow Bottom of Bucket in 30 mins  
Blow back on 2nd shut-in: N/A

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1858.34	105.23	Initial Hydro-static
2	106.56	104.76	Open To Flow (1)
32	229.96	104.83	Shut-In(1)
60	584.00	105.17	End Shut-In(1)
60	299.96	105.04	Open To Flow (2)
91	361.65	105.42	Shut-In(2)
122	580.02	105.85	End Shut-In(2)
123	1805.51	110.33	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	10%Oil 64%mud 26%w ater	0.00
60.00	Mud w ith trace oil	0.84
0.00	1%oil 99%mud 0%w ater	0.00
60.00	slightly oil cut mud	0.84
0.00	5%Oil 70%mud 25%w ater	0.00
60.00	Very Slightly Oil Cut Watery Mud	0.84

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Satchell Creek Petroleum

**21-7-22 Graham County**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A6-21-ALDA**

ATTN: Chris Leiker & Sean

Job Ticket: 1583

**DST#: 1**

Test Start: 2023.05.13 @ 18:00:04

## Tool Information

Drill Pipe:	Length: 3495.50 ft	Diameter: 3.80 inches	Volume: 49.03 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: 49.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3521.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	112.50 ft			
Tool Length:	143.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3495.50	
Hydraulic tool	6.00			3501.50	
Jars	4.00			3505.50	
Safety Joint	2.50			3508.00	
Packer	6.50			3514.50	30.50 Bottom Of Top Packer
Packer	6.50			3521.00	
Anchor	39.00			3560.00	
Drill Pipe	67.00			3627.00	
Recorder	0.00	9119	Inside	3627.00	
Recorder	0.00	9139	Outside	3627.00	
Bullnose	5.00			3632.00	
Change Over Sub	0.75			3632.75	
Change Over Sub	0.75			3633.50	112.50 Bottom Packers & Anchor

**Total Tool Length: 143.00**





# DRILL STEM TEST REPORT

## FLUID SUMMARY

Satchell Creek Petroleum

21-7-22 Graham County

3032 N Cortina St.  
Wichita, KS 67205

Worcester A6-21-ALDA

Job Ticket: 1583

DST#: 1

ATTN: Chris Leiker & Sean

Test Start: 2023.05.13 @ 18:00:04

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 55.00 sec/qt  
Water Loss: 6.39 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 500.00 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: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	10%Oil 64%mud 26%w ater	0.000
60.00	Mud w ith trace oil	0.842
0.00	1%oil 99%mud 0%w ater	0.000
60.00	slightly oil cut mud	0.842
0.00	5%Oil 70%mud 25%w ater	0.000
60.00	Very Slightly Oil Cut Watery Mud	0.842
0.00	10%oil 60%mud 30% w ater	0.000
60.00	Oil Cut Watery Mud	0.842
0.00	10%Oil 40%mud 45%w ater	0.000
120.00	Mud w ith traces of oil	1.683
0.00	1%oil 4%mud 95% w ater	0.000
0.00	Chlorides 38,000	0.000

Total Length: ft Total Volume: 5.612 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Good show s of oil betw een shut in tool and hydraulic tool.



# DRILL STEM TEST REPORT

**GAS RATES**

Satchell Creek Petroleum

**21-7-22 Graham County**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A6-21-ALDA**

ATTN: Chris Leiker & Sean

Job Ticket: 1583

**DST#: 1**

Test Start: 2023.05.13 @ 18:00:04

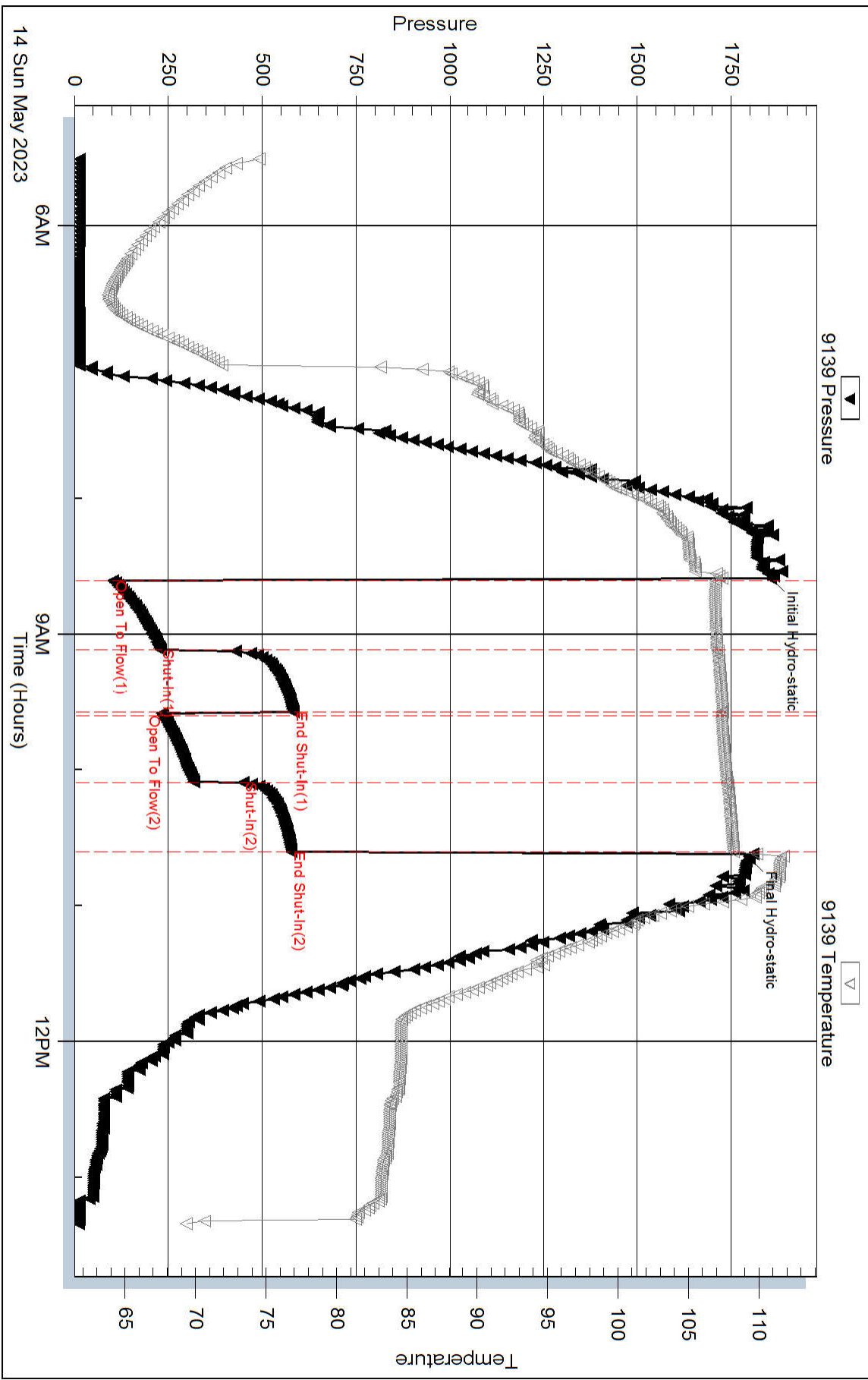
## Gas Rates Information

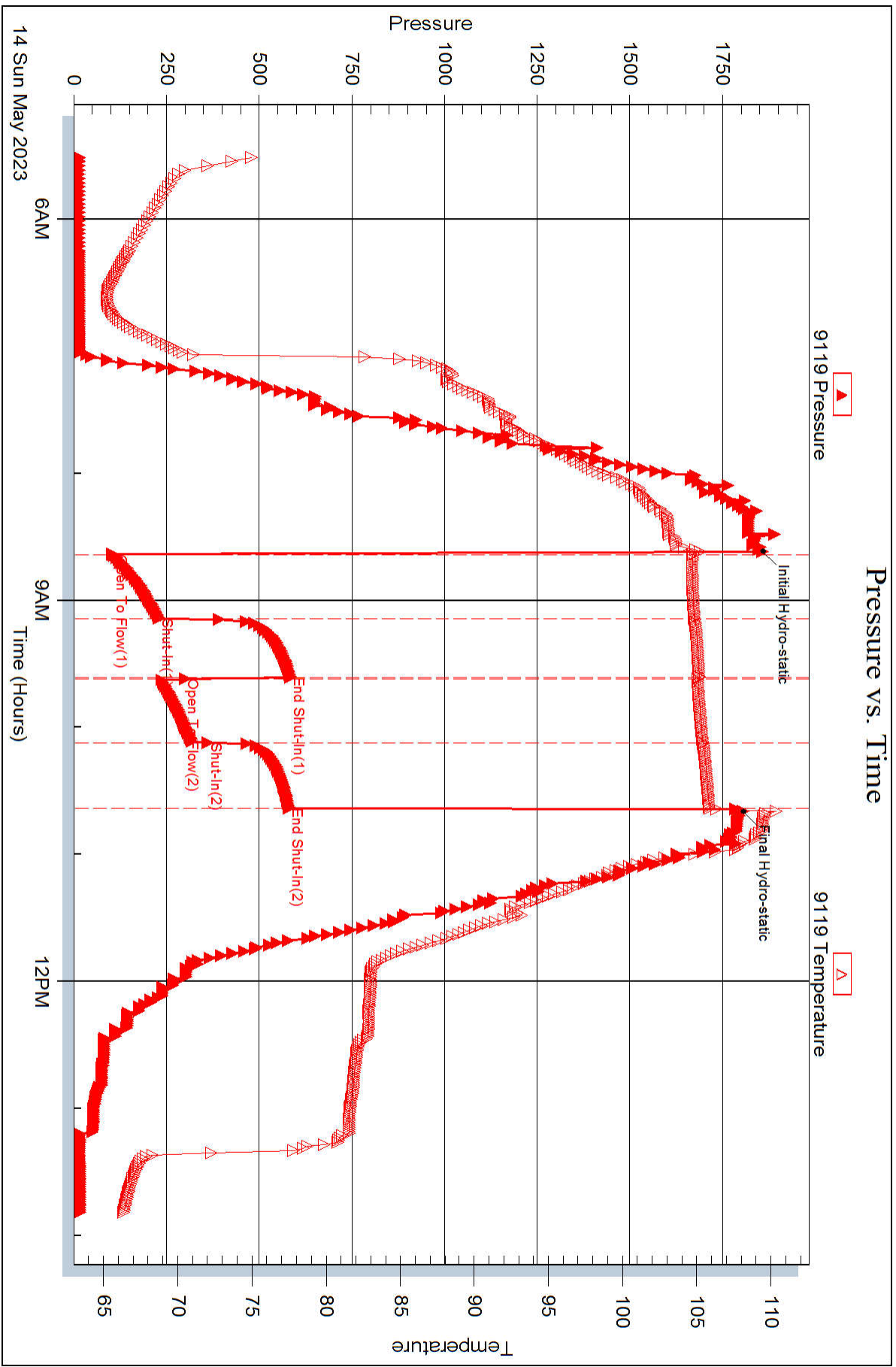
Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

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

### Pressure vs. Time









## DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina St.  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Worcester A6-21-ALDA**

**21-7-22 Graham County**

Start Date: 2023.05.15 @ 00:50:38

End Date: 2023.05.15 @ 07:50:38

Job Ticket #: 01586                      DST #: 2

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

Printed: 2023.06.22 @ 13:00:00



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

21-7-22 Graham County

3032 N Cortina St.  
Wichita, KS 67205

Worcester A6-21-ALDA

ATTN: Chris Leiker & Sean

Job Ticket: 01586

DST#: 2

Test Start: 2023.05.15 @ 00:50:38

## GENERAL INFORMATION:

Formation: **Lansing E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:38:08

Time Test Ended: 07:50:38

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Interval: **3631.00 ft (KB) To 3647.00 ft (KB) (TVD)**

Reference Elevations: 2347.00 ft (KB)

Total Depth: 3647.00 ft (KB) (TVD)

2339.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

## Serial #: 9139

Press@RunDepth: 155.21 psig @ 3644.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.05.15

End Date: 2023.05.15

Last Calib.: 1899.12.30

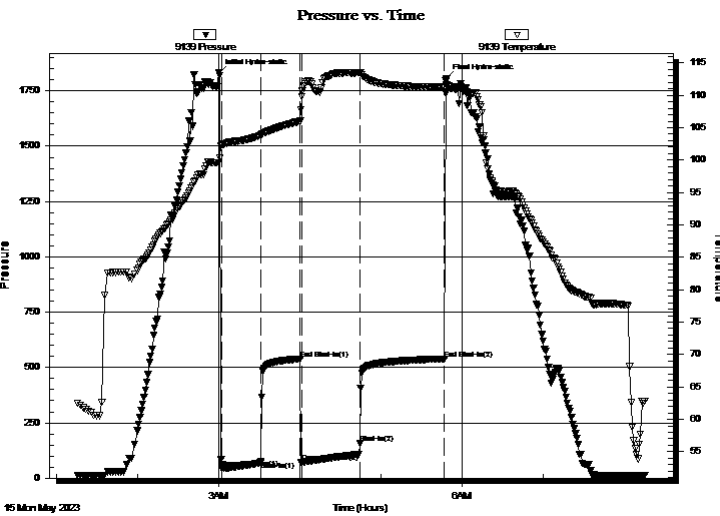
Start Time: 01:15:38

End Time: 08:14:38

Time On Btm: 2023.05.15 @ 02:59:38

Time Off Btm: 2023.05.15 @ 05:48:08

TEST COMMENT: Initial Blow : Weak Building Blow - 3" built in 20 mins  
Blow Back: N/A  
Final Blow : Very Weak Building Blow - 3" in 45 mins  
Blow Back : N/A



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1829.69	99.60	Initial Hydro-static
3	44.82	102.32	Open To Flow (1)
32	73.98	103.85	Shut-In(1)
61	538.68	106.00	End Shut-In(1)
62	71.12	109.82	Open To Flow (2)
105	155.21	113.49	Shut-In(2)
167	539.21	111.25	End Shut-In(2)
169	1803.72	111.67	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Muddy Water with traces of oil	0.14
0.00	0%Gas 5% Oil 65% Water 30%Mud	0.00
60.00	Slightly Muddy Oil Spec Water	0.84
0.00	0%Gas 1%Oil 89%Water 10%Mud	0.00
60.00	Water barely muddy	0.84
0.00	0%Gas 0%Oil 95%Water 5% Mud	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

21-7-22 Graham County

3032 N Cortina St.  
Wichita, KS 67205

Worcester A6-21-ALDA

ATTN: Chris Leiker & Sean

Job Ticket: 01586

DST#: 2

Test Start: 2023.05.15 @ 00:50:38

## GENERAL INFORMATION:

Formation: **Lansing E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:38:08

Time Test Ended: 07:50:38

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Interval: **3631.00 ft (KB) To 3647.00 ft (KB) (TVD)**

Reference Elevations: 2347.00 ft (KB)

Total Depth: 3647.00 ft (KB) (TVD)

2339.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

## Serial #: 9119

Press@RunDepth: 541.14 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.05.15

End Date: 2023.05.15

Last Calib.: 1899.12.30

Start Time: 01:15:37

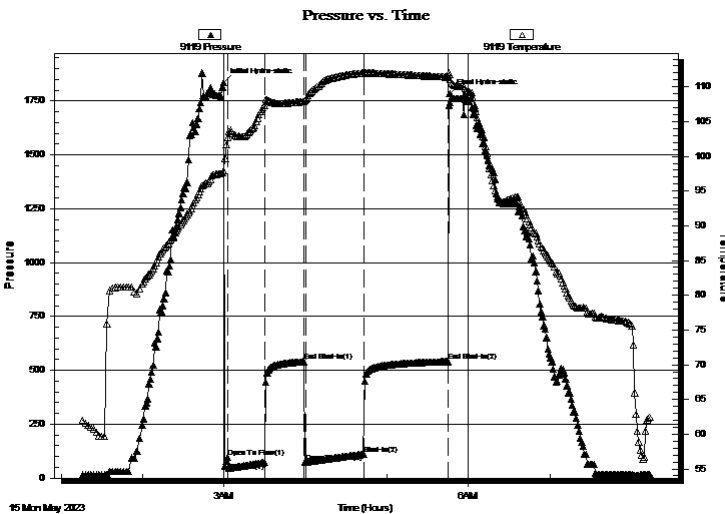
End Time: 08:14:07

Time On Btm: 2023.05.15 @ 02:59:37

Time Off Btm: 2023.05.15 @ 05:46:07

TEST COMMENT: Initial Blow : Weak Building Blow - 3" built in 20 mins  
Blow Back: N/A  
Final Blow : Very Weak Building Blow - 3" in 45 mins  
Blow Back : N/A

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1833.48	97.88	Initial Hydro-static
3	96.83	102.74	Open To Flow (1)
30	72.48	107.34	Shut-In(1)
59	540.63	107.89	End Shut-In(1)
61	74.33	108.19	Open To Flow (2)
103	111.52	112.00	Shut-In(2)
166	541.14	111.41	End Shut-In(2)
167	1782.90	111.78	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Muddy Water with traces of oil	0.14
0.00	0%Gas 5% Oil 65% Water 30%Mud	0.00
60.00	Slightly Muddy Oil Spec Water	0.84
0.00	0%Gas 1%Oil 89%Water 10%Mud	0.00
60.00	Water barely muddy	0.84
0.00	0%Gas 0%Oil 95%Water 5% Mud	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Satchell Creek Petroleum

**21-7-22 Graham County**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A6-21-ALDA**

ATTN: Chris Leiker & Sean

Job Ticket: 01586

**DST#: 2**

Test Start: 2023.05.15 @ 00:50:38

## Tool Information

Drill Pipe:	Length: 3624.00 ft	Diameter: 3.80 inches	Volume: 50.84 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: 70000.00 lb
			<u>Total Volume: 50.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.50 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3631.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	46.50 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			3605.50	
Hydraulic tool	6.00			3611.50	
Jars	4.00			3615.50	
Safety Joint	2.50			3618.00	
Packer	6.50			3624.50	30.50 Bottom Of Top Packer
Packer	6.50			3631.00	
Anchor	11.00			3642.00	
Recorder	0.00	9119	Inside	3642.00	
Recorder	0.00	9139	Outside	3642.00	
Bullnose	5.00			3647.00	16.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>46.50</b>				





# DRILL STEM TEST REPORT

## FLUID SUMMARY

Satchell Creek Petroleum

21-7-22 Graham County

3032 N Cortina St.  
Wichita, KS 67205

Worcester A6-21-ALDA

Job Ticket: 01586

DST#: 2

ATTN: Chris Leiker & Sean

Test Start: 2023.05.15 @ 00:50:38

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 47.00 sec/qt  
Water Loss: 7.20 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 600.00 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: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Muddy Water with traces of oil	0.140
0.00	0%Gas 5% Oil 65% Water 30%Mud	0.000
60.00	Slightly Muddy Oil Spec Water	0.842
0.00	0%Gas 1%Oil 89%Water 10%Mud	0.000
60.00	Water barely muddy	0.842
0.00	0%Gas 0%Oil 95%Water 5% Mud	0.000
0.00	Chlorides 89,000	0.000

Total Length: 130.00 ft      Total Volume: 1.824 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

**21-7-22 Graham County**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A6-21-ALDA**

ATTN: Chris Leiker & Sean

Job Ticket: 01586

**DST#: 2**

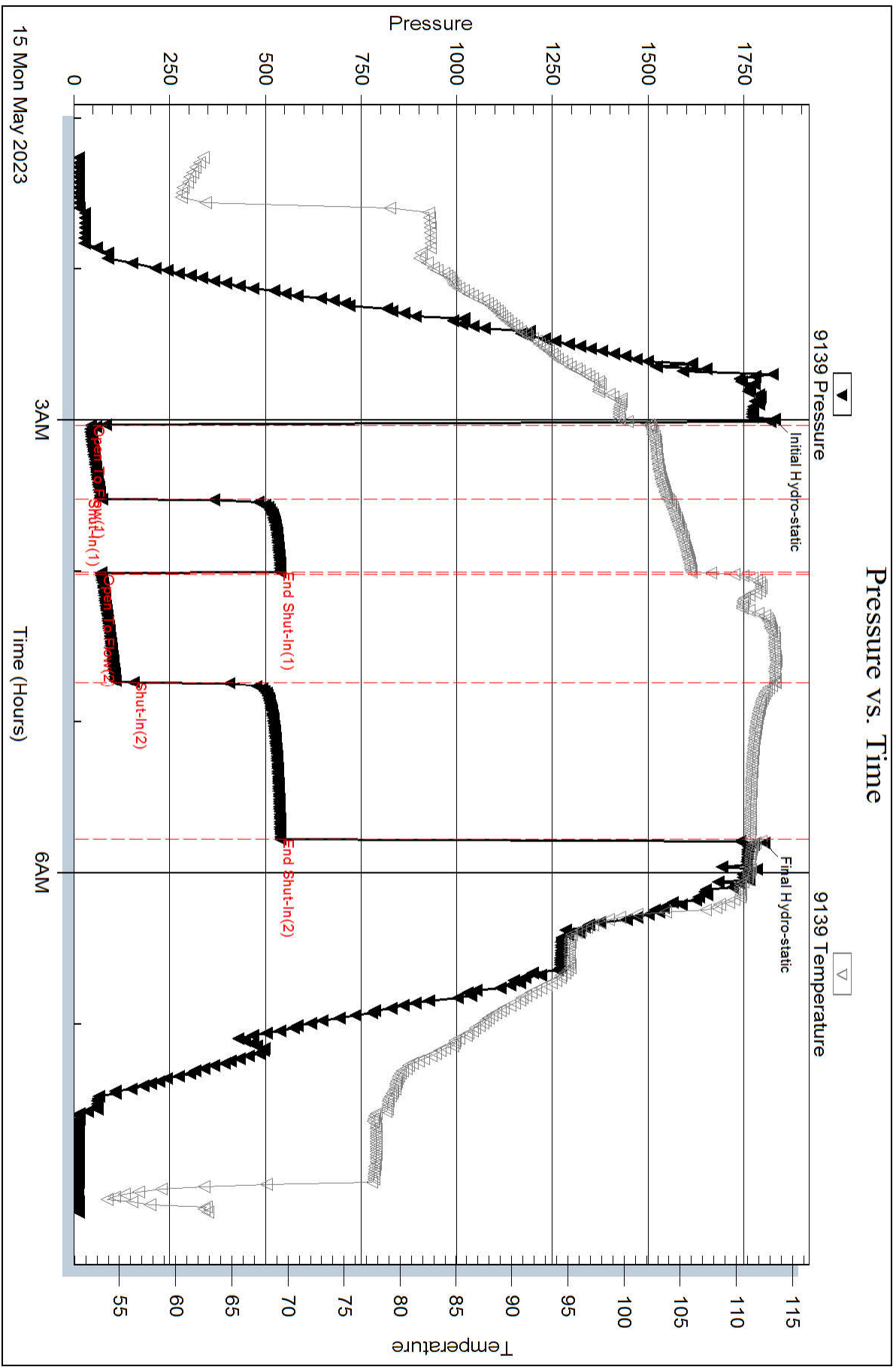
Test Start: 2023.05.15 @ 00:50:38

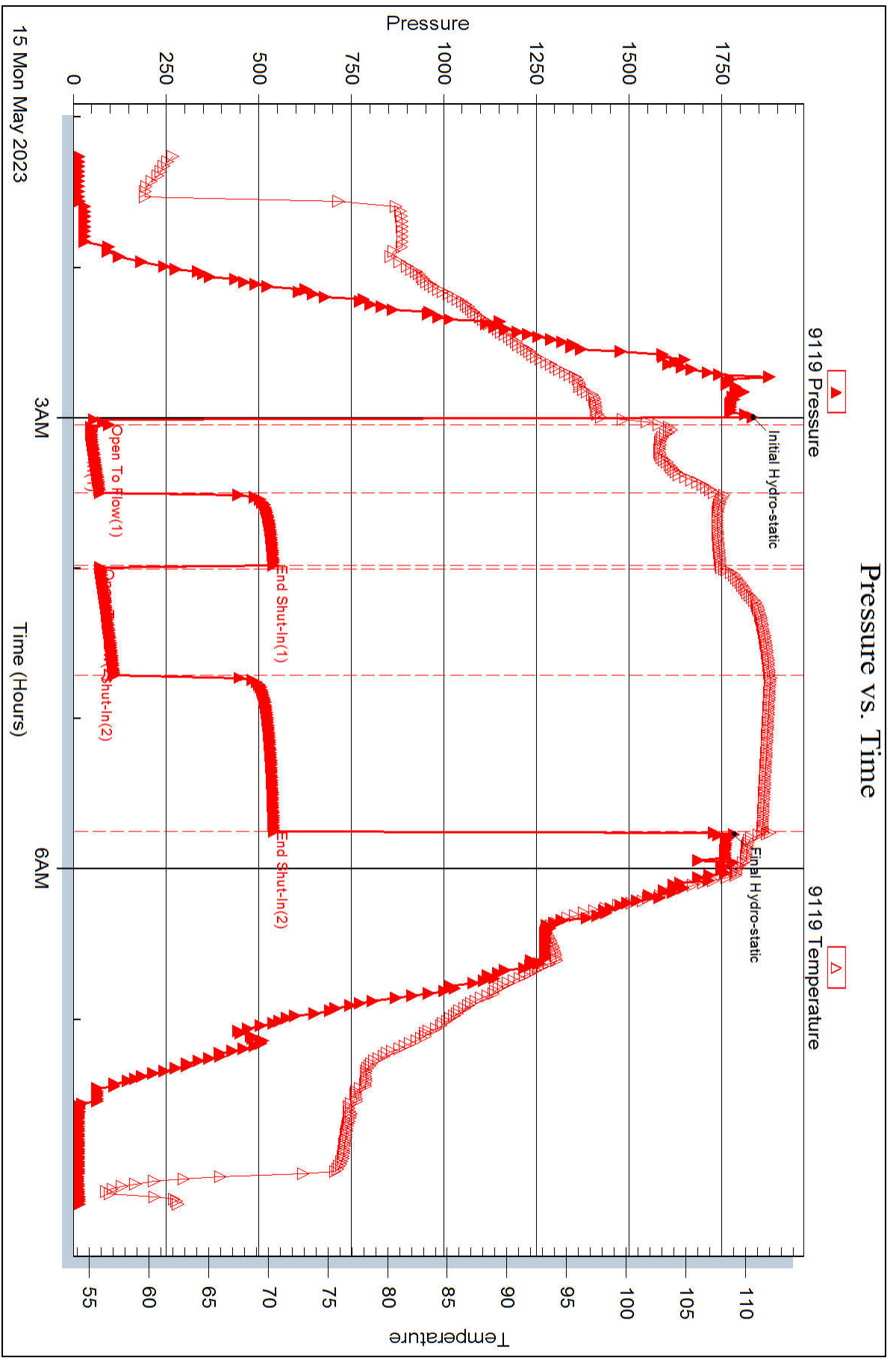
## Gas Rates Information

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









# DRILL STEM TESTING - DATA LISTING

Satchell Creek Petroleum

21-7-22 Graham County

3032 N Cortina St.  
Wichita, KS 67205

Worcester A6-21-ALDA

Job Ticket: 01586

DST#: 2

ATTN: Chris Leiker & Sean

Test Start: 2023.05.15 @ 00:50:38

Serial # 9139				Serial # 9139			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	13.29	62.5		71.5	1195.49	91.6
	3.0	13.07	61.9		73.0	1257.28	92.2
	6.0	12.79	61.5		74.5	1286.52	92.6
	9.0	12.71	61.1		76.0	1350.19	93.0
	12.0	12.69	60.6		77.5	1446.04	93.4
	15.0	12.69	60.5		79.0	1439.77	93.8
	18.0	13.48	62.7		80.5	1497.27	94.3
	21.0	28.72	82.4		82.0	1613.75	94.9
	24.0	28.95	82.6		83.5	1595.98	95.6
	27.0	29.03	82.7		85.0	1590.90	96.0
	30.0	28.90	82.7		86.5	1687.13	96.7
	33.0	28.17	82.7		88.0	1738.37	97.2
	36.0	59.80	82.7		89.5	1797.59	97.7
	39.0	89.52	81.8		91.0	1765.69	97.8
	42.0	151.50	82.4		92.5	1761.33	97.8
	44.5	212.60	83.1		94.0	1789.81	98.7
	46.0	274.26	84.0		95.5	1783.75	99.4
	47.5	336.64	84.3		97.0	1778.43	99.7
	49.0	366.57	84.6		98.5	1777.78	99.6
	50.5	428.55	84.9		100.0	1771.94	99.6
	52.0	467.98	85.3		101.5	1771.97	99.5
	53.5	607.33	85.8		103.0	1770.74	99.5
	55.0	582.61	86.5		103.5	1770.65	99.5
	56.5	644.42	87.2	Initial Hydro-static	104.0	1829.69	99.6
	58.0	707.19	87.8		104.5	1807.30	100.0
	59.5	768.86	88.4		105.0	1817.90	100.3
	61.0	831.37	88.7		105.5	894.19	101.3
	62.5	935.49	89.0		106.0	84.04	102.2
	64.0	1020.57	89.4	Open To Flow (1)	106.5	44.82	102.3
	65.5	981.39	89.8		107.0	57.60	102.4
	67.0	1044.76	90.2		107.5	122.52	102.5
	68.5	1108.25	90.7		108.0	44.20	102.5
	70.0	1169.59	91.2		109.5	45.30	102.6

Printing every 3 samples

Serial # 9139				Serial # 9139			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	111.0	45.48	102.7	End Shut-In(1)	164.5	538.68	106.0
	112.5	46.66	102.8		165.0	70.92	107.7
	114.0	48.15	102.8	Open To Flow (2)	165.5	71.12	109.8
	115.5	49.85	102.9		166.0	71.69	110.6
	117.0	51.46	102.9		167.5	73.67	111.7
	118.5	52.87	102.9		169.0	75.12	112.1
	120.0	54.46	103.0		170.5	76.75	112.2
	121.5	55.58	103.0		172.0	77.97	112.1
	123.0	57.09	103.1		173.5	79.58	111.4
	124.5	58.56	103.1		175.0	80.63	110.7
	126.0	59.75	103.2		176.5	81.85	110.6
	127.5	61.63	103.3		178.0	83.08	110.5
	129.0	62.61	103.4		179.5	84.57	110.7
	130.5	64.75	103.5		181.0	86.49	111.9
	132.0	65.86	103.6		182.5	87.86	112.6
	133.5	67.39	103.7		184.0	89.08	112.9
Shut-In(1)	134.5	68.56	103.8		185.5	90.28	113.0
	135.0	68.79	103.8		187.0	91.41	113.1
	135.5	73.98	103.8		188.5	92.68	113.2
	136.0	364.80	104.0		190.0	94.23	113.4
	136.5	461.24	104.0		191.5	95.74	113.4
	137.0	481.04	104.1		193.0	96.80	113.4
	138.5	503.07	104.2		194.5	98.16	113.4
	140.0	511.87	104.4		196.0	99.12	113.4
	141.5	517.01	104.5		197.5	100.51	113.5
	143.0	520.51	104.6		199.0	101.61	113.5
	144.5	523.23	104.8		200.5	102.86	113.5
	146.0	525.51	104.9		202.0	103.63	113.4
	147.5	527.17	105.0		203.5	104.70	113.4
	149.0	529.22	105.1		205.0	106.25	113.4
	150.5	530.29	105.2		206.5	107.54	113.5
	152.0	531.84	105.3		207.5	108.32	113.5
	153.5	532.89	105.4	Shut-In(2)	208.0	108.93	113.5
	155.0	533.79	105.5		208.5	155.21	113.5
	156.5	534.83	105.6		209.0	405.92	113.5
	158.0	535.72	105.7		209.5	459.94	113.3
	159.5	536.46	105.7		210.0	475.91	113.1
	161.0	537.27	105.8		211.5	494.49	112.8
	162.5	537.88	105.9		213.0	502.19	112.5
	163.5	538.49	106.0		214.5	506.93	112.4
	164.0	538.54	106.0		216.0	510.25	112.3

Printing every 3 samples

Serial # 9139				Serial # 9139			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	217.5	512.79	112.1		273.0	1775.41	111.5
	219.0	514.93	112.0		273.5	1764.18	111.4
	220.5	516.60	112.0		274.0	1760.91	111.4
	222.0	518.38	111.9		275.5	1759.76	111.3
	223.5	519.80	111.8		277.0	1758.75	111.3
	225.0	521.48	111.8		278.5	1758.60	111.2
	226.5	522.47	111.7		280.0	1757.83	111.2
	228.0	523.86	111.7		281.5	1757.52	111.2
	229.5	524.80	111.6		283.0	1783.94	111.3
	231.0	525.67	111.6		284.5	1746.15	111.1
	232.5	526.52	111.6		286.0	1747.27	111.0
	234.0	527.34	111.5		287.5	1769.30	111.0
	235.5	528.21	111.5		289.0	1740.90	110.4
	237.0	529.00	111.5		290.5	1708.75	110.3
	238.5	529.69	111.5		292.0	1647.72	110.3
	240.0	530.29	111.4		293.5	1640.77	110.4
	241.5	530.93	111.4		295.0	1625.16	109.8
	243.0	531.63	111.4		296.5	1598.39	108.8
	244.5	531.97	111.4		298.0	1540.03	108.2
	246.0	532.64	111.4		299.5	1555.67	105.7
	247.5	533.22	111.4		301.0	1500.10	101.1
	249.0	533.65	111.3		302.5	1414.36	99.2
	250.5	534.19	111.3		304.0	1373.03	97.9
	252.0	534.64	111.3		305.5	1384.67	96.9
	253.5	535.17	111.3		307.0	1285.25	96.2
	255.0	535.62	111.3		308.5	1260.73	95.5
	256.5	535.86	111.3		310.0	1274.19	95.2
	258.0	536.24	111.3		311.5	1273.67	95.2
	259.5	536.77	111.3		313.0	1272.95	95.2
	261.0	537.07	111.3		314.5	1272.59	95.2
	262.5	537.41	111.3		316.0	1272.25	95.1
	264.0	537.82	111.3		317.5	1271.95	95.2
	265.5	537.96	111.3		319.0	1271.23	95.2
	267.0	538.44	111.3		320.5	1271.09	95.2
	268.5	538.94	111.2		322.0	1270.86	95.2
	270.0	539.07	111.2		323.5	1253.04	94.9
	270.5	539.10	111.2		325.0	1219.97	94.4
End Shut-In(2)	271.0	539.21	111.2		326.5	1202.65	94.1
	271.5	1754.84	111.6		328.0	1166.44	93.6
	272.0	1740.01	112.2		329.5	1098.42	92.8
Final Hydro-static	272.5	1803.72	111.7		331.0	1051.17	92.1

Printing every 3 samples

Serial # 9139				Serial # 9139			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	332.5	1047.56	91.4		394.0	12.40	77.9
	334.0	1003.45	90.9		395.5	12.38	77.8
	335.5	952.82	90.5		397.0	12.44	77.8
	337.0	859.56	89.8		398.5	12.49	77.8
	338.5	823.29	89.1		400.0	12.54	77.8
	340.0	778.10	88.6		401.5	12.59	77.7
	341.5	695.40	88.1		403.0	12.65	77.7
	343.0	648.63	87.7		404.5	12.66	77.7
	344.5	607.84	87.2		406.0	12.58	77.6
	346.0	573.34	86.7		407.5	11.15	72.8
	347.5	515.26	86.4		409.0	11.04	62.5
	349.0	466.95	86.0		410.5	11.10	57.5
	350.5	442.59	85.0		412.0	11.14	55.4
	352.0	466.42	84.9		413.5	11.13	54.2
	353.5	481.96	84.2		415.0	11.75	56.1
	355.0	494.93	83.5		416.5	12.04	62.9
	356.5	485.42	82.9		418.0	11.94	62.5
	358.0	431.91	82.1		419.0	12.05	62.8
	359.5	395.84	81.2				
	361.0	365.32	80.7				
	362.5	334.81	80.3				
	364.0	303.76	80.0				
	365.5	265.77	79.9				
	367.0	222.95	79.7				
	368.5	182.09	79.6				
	370.0	151.10	79.5				
	371.5	107.32	79.3				
	373.0	65.92	79.1				
	374.5	62.35	78.9				
	376.0	62.29	78.9				
	377.5	61.71	78.9				
	379.0	36.70	78.8				
	380.5	14.70	77.8				
	382.0	14.61	77.7				
	383.5	12.38	77.8				
	385.0	12.40	77.8				
	386.5	12.38	77.9				
	388.0	12.42	77.9				
	389.5	12.40	77.9				
	391.0	12.41	77.9				
	392.5	12.41	77.9				

Printing every 3 samples



# DRILL STEM TESTING - DATA LISTING

Satchell Creek Petroleum

21-7-22 Graham County

3032 N Cortina St.  
Wichita, KS 67205

Worcester A6-21-ALDA

Job Ticket: 01586

DST#: 2

ATTN: Chris Leiker & Sean

Test Start: 2023.05.15 @ 00:50:38

Serial # 9119				Serial # 9119			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	0.0	15.55	62.0		71.5	1262.16	90.1
	3.0	15.41	61.4		73.0	1290.59	90.5
	6.0	15.34	61.0		74.5	1354.76	90.9
	9.0	15.29	60.6		76.0	1344.69	91.4
	12.0	15.25	59.8		77.5	1444.31	91.8
	15.0	15.23	59.7		79.0	1590.72	92.2
	18.0	17.29	75.9		80.5	1531.80	92.7
	21.0	31.19	81.0		82.0	1625.66	93.3
	24.0	31.55	81.1		83.5	1624.40	94.0
	27.0	31.29	81.2		85.0	1669.29	94.4
	30.0	31.44	81.2		86.5	1715.49	95.2
	33.0	30.82	81.2		88.0	1878.55	95.7
	36.0	95.10	81.1		89.5	1768.92	96.0
	39.0	106.26	80.4		91.0	1764.28	96.1
	42.0	183.81	81.0		92.5	1795.77	96.3
	44.5	274.14	81.7		94.0	1809.33	96.7
	46.0	336.49	82.3		95.5	1781.11	97.3
	47.5	368.58	82.8		97.0	1784.16	97.4
	49.0	436.38	83.0		98.5	1774.32	97.4
	50.5	445.40	83.4		100.0	1774.82	97.5
	52.0	523.36	83.8		101.5	1772.96	97.5
	53.5	585.18	84.5		103.0	1813.48	97.6
	55.0	647.13	85.1		103.5	1804.07	97.7
	56.5	709.84	85.7	Initial Hydro-static	104.0	1833.48	97.9
	58.0	773.43	86.3		104.5	49.93	98.9
	59.5	886.00	86.7		105.0	56.08	99.7
	61.0	861.67	87.0		105.5	71.91	100.3
	62.5	923.52	87.3		106.0	80.03	101.7
	64.0	985.14	87.8		106.5	83.09	102.2
	65.5	1049.14	88.2	Open To Flow (1)	107.0	96.83	102.7
	67.0	1116.34	88.6		107.5	60.88	103.5
	68.5	1246.23	89.1		108.0	47.83	103.6
	70.0	1200.07	89.5		108.5	48.29	103.8

Printing every 3 samples

Serial # 9119				Serial # 9119			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	110.0	48.41	103.6	End Shut-In(1)	163.0	540.63	107.9
	111.5	49.62	103.1		163.5	73.88	107.8
	113.0	50.93	102.9		164.0	73.86	108.0
	114.5	53.08	102.9	Open To Flow (2)	164.5	74.33	108.2
	116.0	54.26	102.8		165.0	74.54	108.4
	117.5	55.69	102.8		165.5	75.05	108.6
	119.0	57.47	102.9		166.0	75.57	108.8
	120.5	58.87	103.1		167.5	77.42	109.1
	122.0	60.62	103.4		169.0	78.83	109.4
	123.5	61.94	103.7		170.5	80.37	109.7
	125.0	63.45	104.0		172.0	81.91	109.9
	126.5	64.77	104.3		173.5	83.25	110.1
	128.0	66.82	105.0		175.0	84.67	110.3
	129.5	68.48	105.7		176.5	86.24	110.6
	131.0	69.90	106.4		178.0	87.19	110.9
	132.5	71.31	106.9		179.5	88.44	111.0
Shut-In(1)	133.0	71.51	107.0		181.0	89.87	111.1
	133.5	72.26	107.2		182.5	90.79	111.2
	134.0	72.48	107.3		184.0	92.33	111.3
	134.5	201.14	107.9		185.5	93.26	111.4
	135.0	445.31	108.2		187.0	94.64	111.4
	135.5	476.61	108.1		188.5	96.22	111.5
	137.0	503.52	108.0		190.0	97.66	111.5
	138.5	513.20	107.8		191.5	99.06	111.6
	140.0	518.57	107.7		193.0	100.06	111.6
	141.5	522.22	107.7		194.5	101.53	111.7
	143.0	525.02	107.6		196.0	102.44	111.7
	144.5	527.28	107.6		197.5	103.62	111.8
	146.0	529.07	107.6		199.0	104.82	111.8
	147.5	531.01	107.6		200.5	105.97	111.9
	149.0	532.26	107.6		202.0	107.15	111.9
	150.5	533.47	107.7		203.5	108.26	111.9
	152.0	534.68	107.7		205.0	109.60	112.0
	153.5	535.74	107.7		206.0	110.30	112.0
	155.0	536.63	107.7		206.5	111.29	112.0
	156.5	537.60	107.8	Shut-In(2)	207.0	111.52	112.0
	158.0	538.28	107.8		207.5	325.41	112.1
	159.5	539.16	107.8		208.0	448.77	112.1
	161.0	539.87	107.9		208.5	472.42	112.1
	162.0	540.43	107.9		210.0	495.00	112.0
	162.5	540.52	107.9		211.5	503.61	112.0

Printing every 3 samples



Serial # 9119				Serial # 9119			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	213.0	508.51	112.0	Final Hydro-static	270.5	1782.90	111.8
	214.5	511.88	112.0		271.0	1741.10	111.1
	216.0	514.73	112.0		272.5	1763.63	110.4
	217.5	516.92	111.9		274.0	1761.37	110.2
	219.0	518.79	111.9		275.5	1761.14	110.1
	220.5	520.48	111.9		277.0	1760.63	110.1
	222.0	522.23	111.9	278.5	1759.89	110.1	
	223.5	523.59	111.9	280.0	1759.70	110.1	
	225.0	524.53	111.9	281.5	1771.03	109.9	
	226.5	525.68	111.9	283.0	1751.41	109.5	
	228.0	526.79	111.8	284.5	1749.04	109.3	
	229.5	527.76	111.8	286.0	1760.02	109.2	
	231.0	528.62	111.8	287.5	1748.77	108.8	
	232.5	529.46	111.8	289.0	1715.86	107.3	
	234.0	530.32	111.8	290.5	1683.88	106.0	
	235.5	531.07	111.8	292.0	1646.87	104.7	
	237.0	531.75	111.7	293.5	1630.48	103.7	
	238.5	532.41	111.7	295.0	1554.53	102.8	
	240.0	533.14	111.7	296.5	1573.88	101.6	
	241.5	533.64	111.7	298.0	1496.53	100.4	
	243.0	534.21	111.7	299.5	1506.62	98.8	
	244.5	534.78	111.7	301.0	1433.91	97.3	
	246.0	535.27	111.6	302.5	1384.15	96.1	
	247.5	535.79	111.6	304.0	1386.04	95.1	
	249.0	536.22	111.6	305.5	1351.36	94.4	
	250.5	536.74	111.6	307.0	1279.35	93.7	
	252.0	537.10	111.6	308.5	1278.25	93.3	
	253.5	537.59	111.6	310.0	1275.63	93.4	
	255.0	538.00	111.5	311.5	1275.42	93.5	
	256.5	538.36	111.5	313.0	1275.06	93.7	
	258.0	538.78	111.5	314.5	1274.70	93.8	
	259.5	539.09	111.5	316.0	1274.40	93.9	
	261.0	539.42	111.5	317.5	1274.06	94.0	
	262.5	539.81	111.5	319.0	1273.52	94.1	
	264.0	540.04	111.5	320.5	1273.36	94.2	
	265.5	540.41	111.4	322.0	1258.68	93.5	
	267.0	540.61	111.4	323.5	1225.26	92.7	
	268.5	541.06	111.4	325.0	1165.80	92.4	
	269.0	541.10	111.4	326.5	1172.29	91.7	
End Shut-In(2)	269.5	541.14	111.4	328.0	1137.06	91.1	
	270.0	1730.07	112.0	329.5	1066.30	90.4	

Printing every 3 samples

Serial # 9119				Serial # 9119			
Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)	Comments	Time (Min.)	Pressure (psig)	Temp. (deg F)
	331.0	1017.34	89.7		392.5	15.74	76.4
	332.5	975.61	89.2		394.0	15.73	76.4
	334.0	958.56	88.9		395.5	15.71	76.3
	335.5	878.96	88.2		397.0	15.67	76.3
	337.0	806.80	87.4		398.5	15.59	76.3
	338.5	782.92	86.9		400.0	15.57	76.3
	340.0	707.08	86.5		401.5	15.54	76.1
	341.5	668.09	86.0		403.0	15.51	75.9
	343.0	598.80	85.6		404.5	15.54	75.7
	344.5	576.01	85.0		406.0	14.62	72.9
	346.0	540.17	84.6		407.5	13.87	64.2
	347.5	469.40	84.4		409.0	14.08	60.4
	349.0	444.31	83.4		410.5	14.82	58.3
	350.5	460.98	83.1		412.0	15.11	57.0
	352.0	483.78	82.8		413.5	15.50	56.6
	353.5	491.28	82.2		415.0	16.29	60.5
	355.0	489.55	81.4		416.5	16.95	62.2
	356.5	444.82	80.7		418.0	16.94	62.4
	358.0	395.50	79.9		418.5	17.12	62.7
	359.5	366.05	79.5				
	361.0	337.98	78.9				
	362.5	307.54	78.5				
	364.0	276.73	78.3				
	365.5	238.94	78.2				
	367.0	185.86	78.2				
	368.5	155.02	78.2				
	370.0	110.85	78.1				
	371.5	84.71	78.1				
	373.0	65.17	77.3				
	374.5	65.31	77.3				
	376.0	64.66	77.4				
	377.5	48.86	77.3				
	379.0	18.06	76.7				
	380.5	17.85	76.8				
	382.0	16.23	76.9				
	383.5	15.86	76.8				
	385.0	15.84	76.7				
	386.5	15.78	76.6				
	388.0	15.74	76.6				
	389.5	15.73	76.5				
	391.0	15.73	76.5				

Printing every 3 samples



## DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina St.  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Worcester A6-21-ALDA**

**21-7-22 Graham County**

Start Date: 2023.05.15 @ 17:20:28

End Date: 2023.05.15 @ 23:50:28

Job Ticket #: 1587                      DST #: 3

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

Printed: 2023.06.22 @ 12:58:25



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

21-7-22 Graham County

3032 N Cortina St.  
Wichita, KS 67205

Worcester A6-21-ALDA

ATTN: Chris Leiker & Sean

Job Ticket: 1587

DST#: 3

Test Start: 2023.05.15 @ 17:20:28

## GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:23:58

Time Test Ended: 23:50:28

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Interval: **3718.00 ft (KB) To 3763.00 ft (KB) (TVD)**

Reference Elevations: 2347.00 ft (KB)

Total Depth: 3763.00 ft (KB) (TVD)

2339.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

## Serial #: 9139

Press@RunDepth: 95.33 psig @ 3760.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.05.15

End Date: 2023.05.15

Last Calib.: 1899.12.30

Start Time: 17:21:28

End Time: 23:50:28

Time On Btm: 2023.05.15 @ 19:22:28

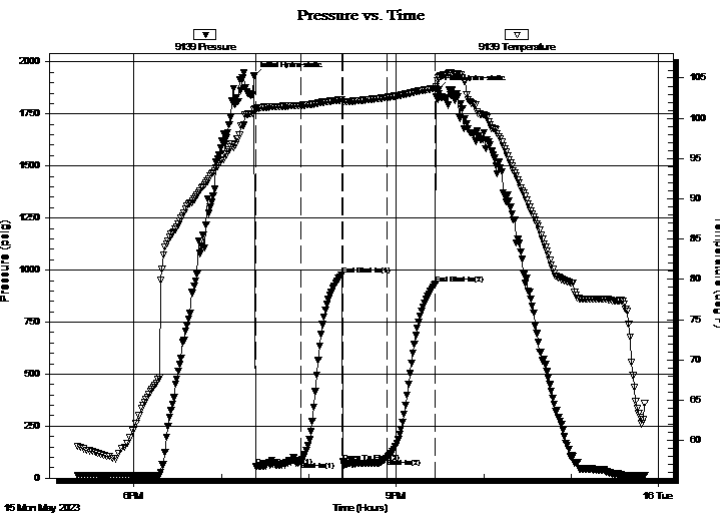
Time Off Btm: 2023.05.15 @ 21:28:58

TEST COMMENT: Initial Blow : Very Weak Building Blow 3" in 30 minutes

Blow Back 1st: N/A

Final Blow : Very Weak Intermittent surface blow 18 mins and died off

Blow Back 2nd: N/A



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1932.13	101.11	Initial Hydro-static
2	56.52	101.20	Open To Flow (1)
32	82.37	101.61	Shut-In(1)
60	976.56	102.30	End Shut-In(1)
61	78.30	102.06	Open To Flow (2)
91	95.33	102.61	Shut-In(2)
125	933.36	103.73	End Shut-In(2)
127	1865.33	105.01	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Oil Cut Mud	0.00
0.00	0%GAS 10%Oil 90%MUD 0%WATER	0.00
20.00	Very Good Oil Cut Mud & Water	0.00
0.00	0%GAS 40%Oil 50%Mud 10% Water	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

21-7-22 Graham County

3032 N Cortina St.  
Wichita, KS 67205

Worcester A6-21-ALDA

ATTN: Chris Leiker & Sean

Job Ticket: 1587

DST#: 3

Test Start: 2023.05.15 @ 17:20:28

## GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:23:58

Time Test Ended: 23:50:28

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Interval: **3718.00 ft (KB) To 3763.00 ft (KB) (TVD)**

Reference Elevations: 2347.00 ft (KB)

Total Depth: 3763.00 ft (KB) (TVD)

2339.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

## Serial #: 9119

Press@RunDepth: 932.21 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.05.15

End Date: 2023.05.16

Last Calib.: 1899.12.30

Start Time: 17:21:42

End Time: 00:09:42

Time On Btm: 2023.05.15 @ 19:23:42

Time Off Btm: 2023.05.15 @ 21:29:12

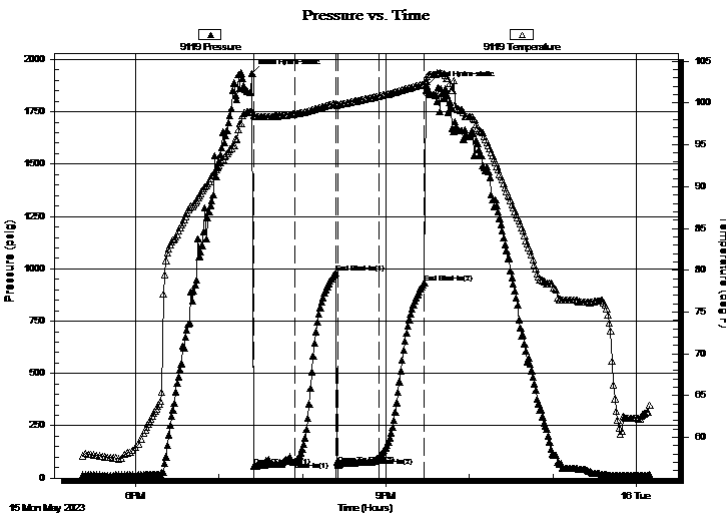
TEST COMMENT: Initial Blow : Very Weak Building Blow 3" in 30 minutes

Blow Back 1st: N/A

Final Blow : Very Weak Intermittent surface blow 18 mins and died off

Blow Back 2nd: N/A

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1931.79	98.98	Initial Hydro-static
1	58.81	98.47	Open To Flow (1)
31	78.21	98.71	Shut-In(1)
60	979.85	99.94	End Shut-In(1)
62	64.54	99.78	Open To Flow (2)
91	98.78	100.83	Shut-In(2)
124	932.21	102.26	End Shut-In(2)
126	1874.60	102.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Oil Cut Mud	0.00
0.00	0%GAS 10%Oil 90%MUD 0%WATER	0.00
20.00	Very Good Oil Cut Mud & Water	0.00
0.00	0%GAS 40%Oil 50%Mud 10% Water	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Satchell Creek Petroleum

**21-7-22 Graham County**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A6-21-ALDA**

ATTN: Chris Leiker & Sean

Job Ticket: 1587

**DST#: 3**

Test Start: 2023.05.15 @ 17:20:28

## Tool Information

Drill Pipe:	Length: 3690.00 ft	Diameter: 0.00 inches	Volume: 0.00 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: 70000.00 lb
			<u>Total Volume: 0.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	0.50 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3718.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	73.50 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			3694.50	
Hydraulic tool	6.00			3700.50	
Jars	4.00			3704.50	
Safety Joint	2.50			3707.00	
Packer	6.50			3713.50	28.50 Bottom Of Top Packer
Packer	4.50			3718.00	
Anchor	40.00			3758.00	
Recorder	0.00	9119	Inside	3758.00	
Recorder	0.00	9139	Outside	3758.00	
Bullnose	5.00			3763.00	45.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>73.50</b>				





# DRILL STEM TEST REPORT

## FLUID SUMMARY

Satchell Creek Petroleum

21-7-22 Graham County

3032 N Cortina St.  
Wichita, KS 67205

Worcester A6-21-ALDA

Job Ticket: 1587

DST#: 3

ATTN: Chris Leiker & Sean

Test Start: 2023.05.15 @ 17:20:28

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 64.00 sec/qt  
Water Loss: 9.59 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 1000.00 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: ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Oil Cut Mud	0.000
0.00	0%GAS 10%Oil 90%MUD 0%WATER	0.000
20.00	Very Good Oil Cut Mud & Water	0.000
0.00	0%GAS 40%Oil 50%Mud 10% Water	0.000

Total Length: 40.00 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

**21-7-22 Graham County**

3032 N Cortina St.  
Wichita, KS 67205

**Worcester A6-21-ALDA**

ATTN: Chris Leiker & Sean

Job Ticket: 1587

**DST#: 3**

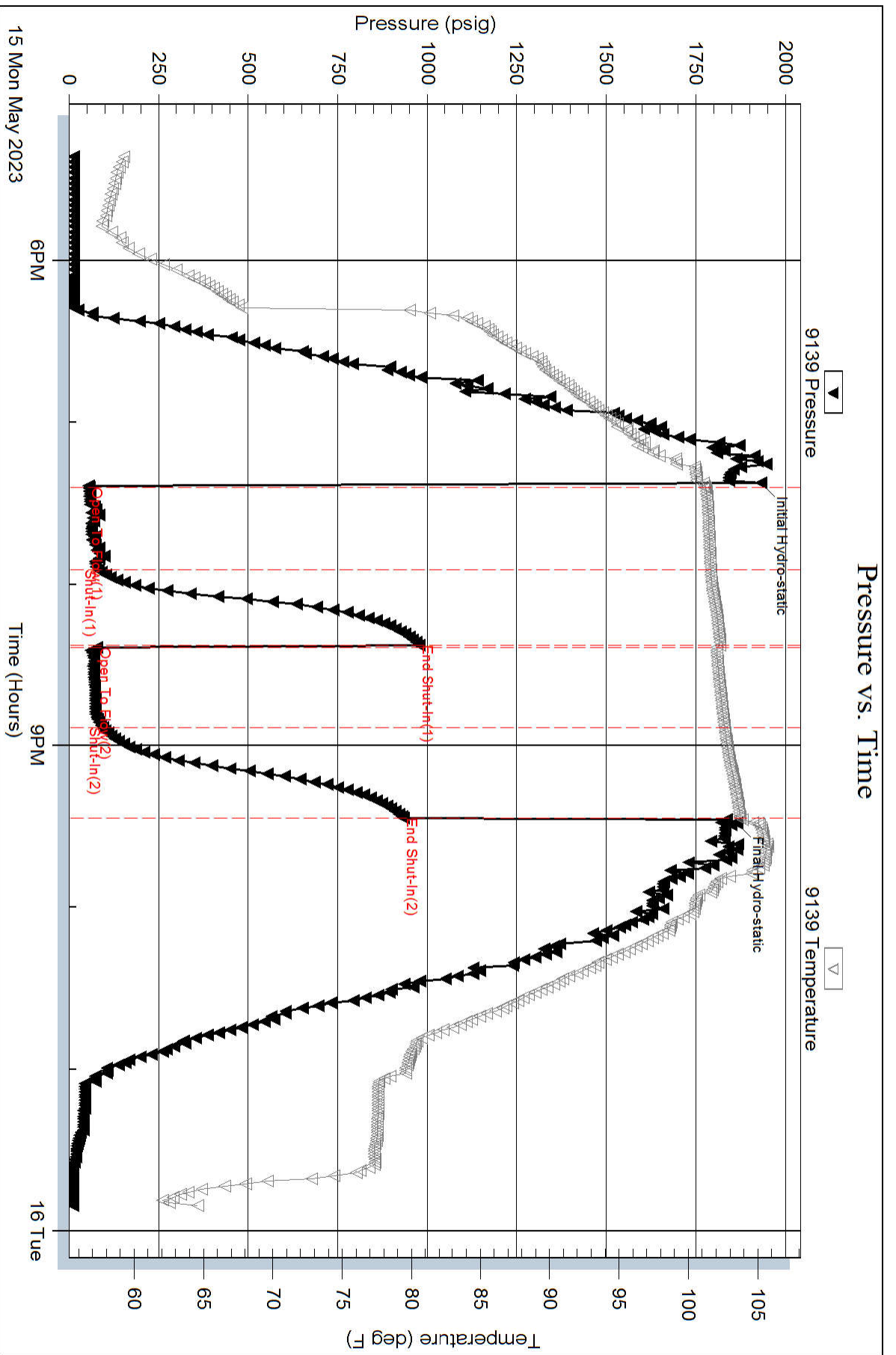
Test Start: 2023.05.15 @ 17:20:28

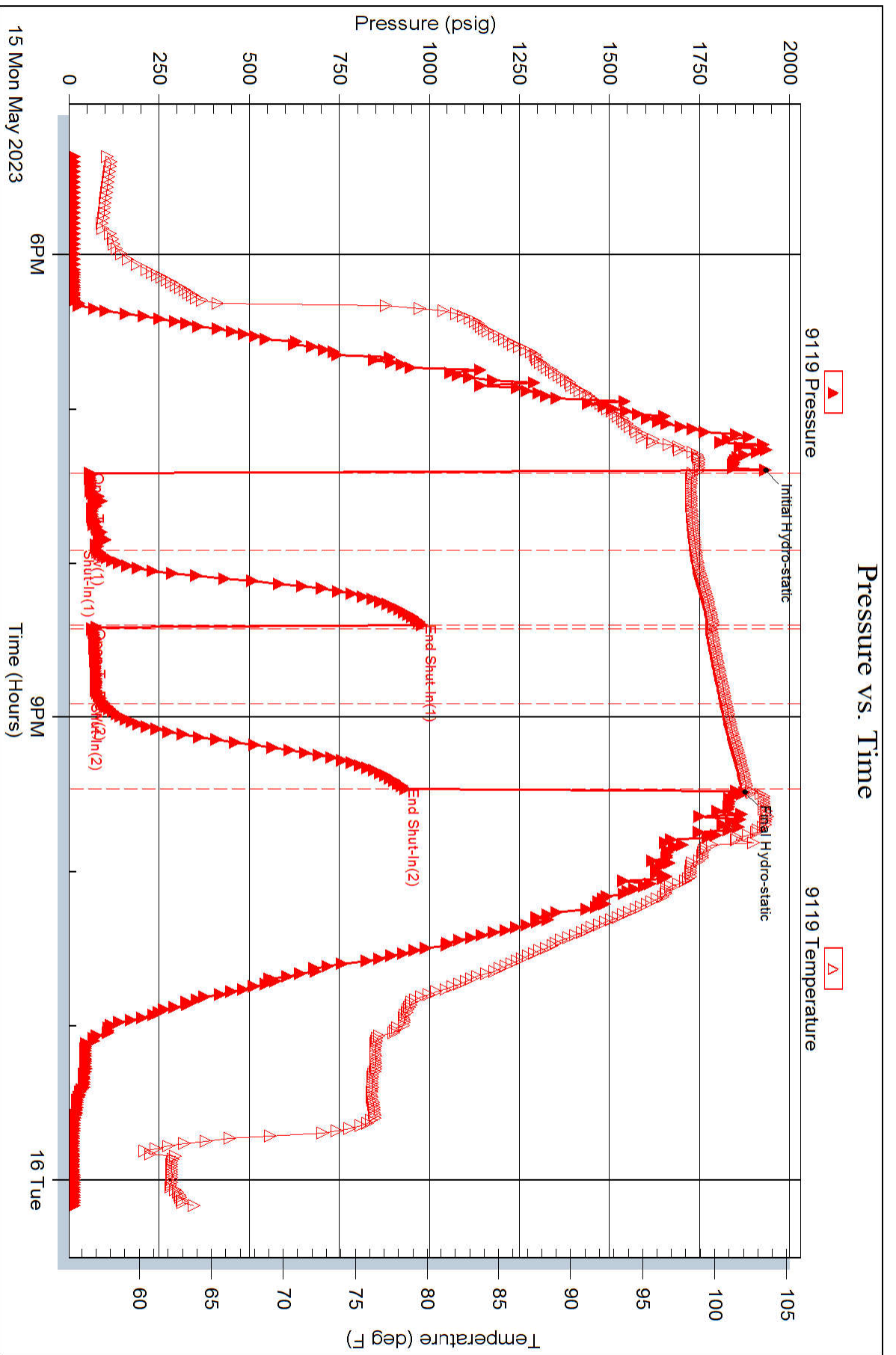
## Gas Rates Information

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







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

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

Susan K. Duffy, Chair  
Dwight D. Keen, Commissioner  
Andrew J. French, Commissioner

Laura Kelly, Governor

September 05, 2023

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

Re: ACO-1  
API 15-065-24251-00-00  
WORCESTER A2-22  
SW/4 Sec.22-07S-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 5/3/2023 and the ACO-1 was received on September 02, 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