

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. 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				

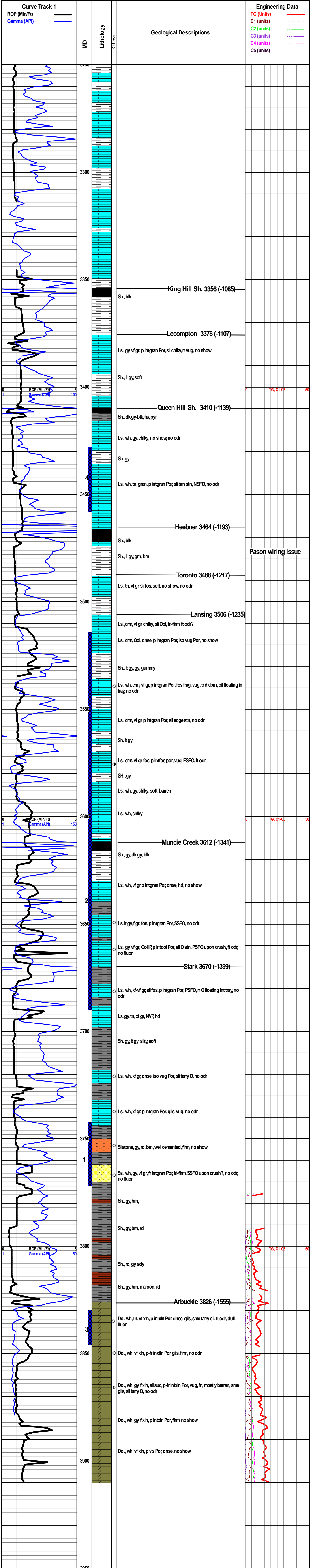
1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted 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

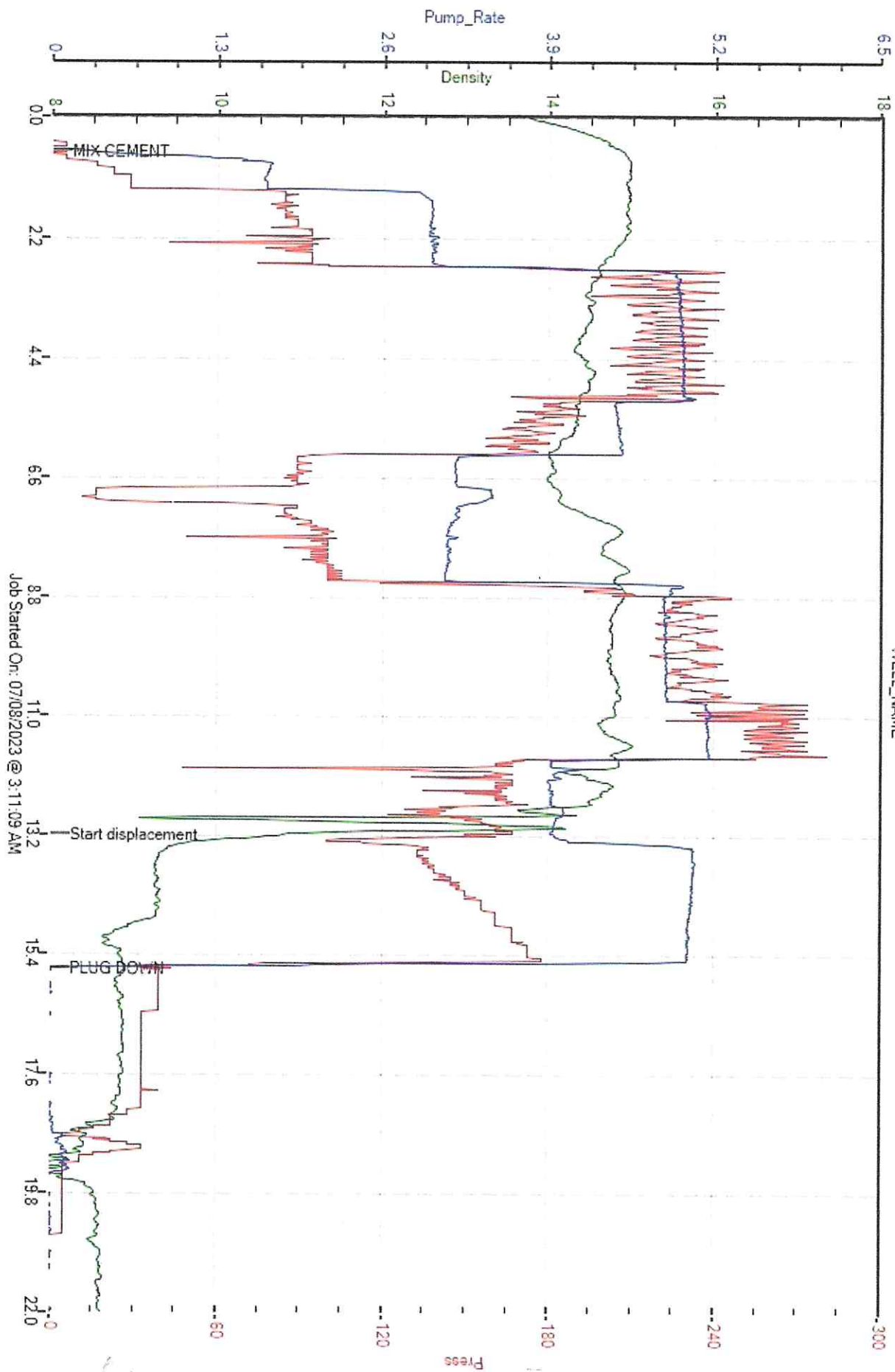
DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> 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>

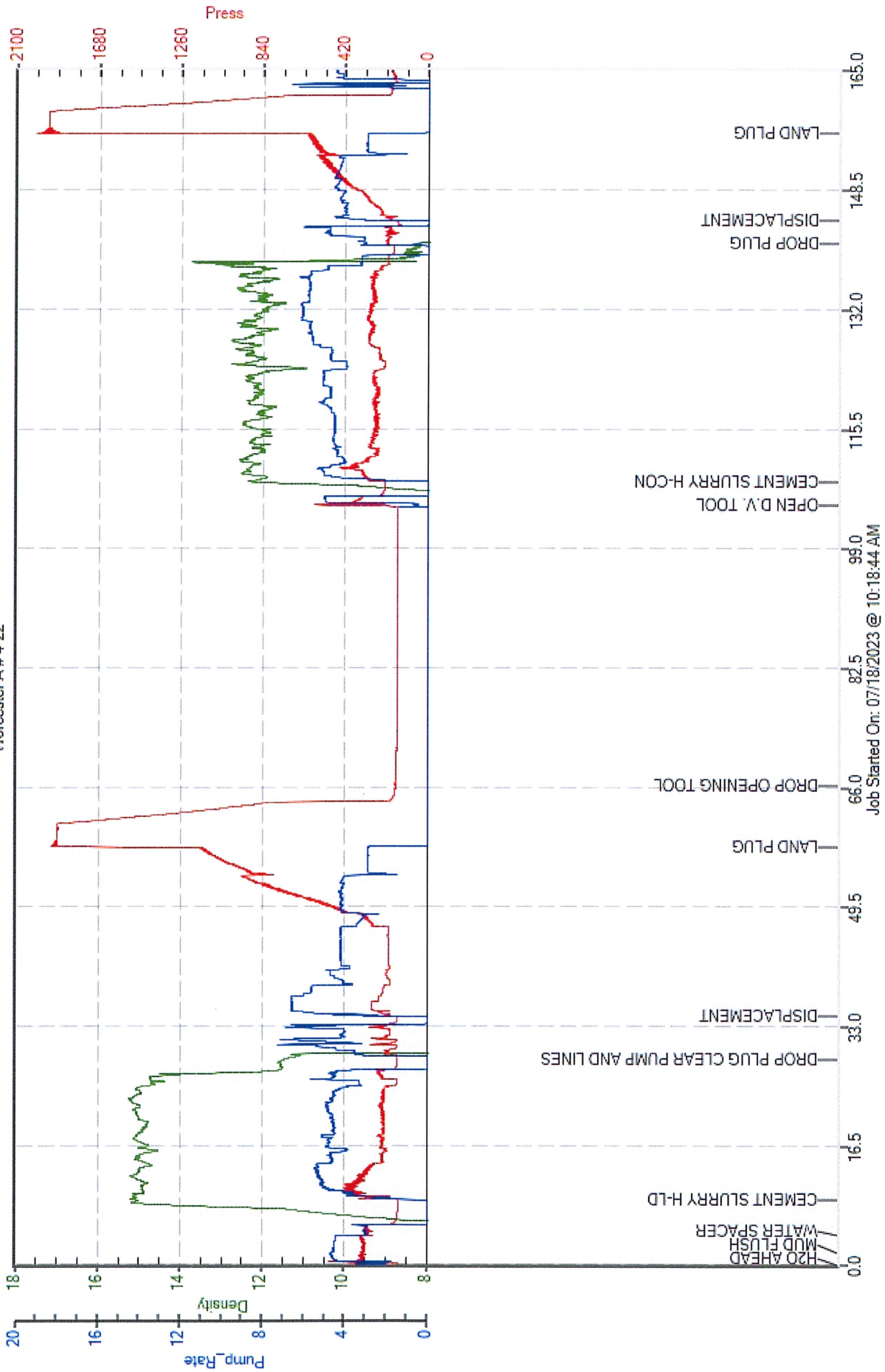
TUBING RECORD:	Size:	Set At:	Packer At:	
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SATCHELL CREEK
WELL_NAME



Satchell Creek
Worcester A # 4-22





DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01546

DST#: 1

ATTN: Chris Leiker & Sean

Test Start: 2023.07.16 @ 02:12:15

GENERAL INFORMATION:

Formation: **Conglomerate Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:37:15

Time Test Ended: 10:34:45

Test Type: Conventional Straddle (Initial)

Tester: Chad

Unit No: 1

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

Total Depth: 3914.00 ft (KB) (TVD)

Hole Diameter: 8.75 inches Hole Condition: Poor

Reference Elevations: 2273.00 ft (KB)

2265.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 9139

Press@RunDepth: 253.29 psig @ ft (KB)

Start Date: 2023.07.16

End Date: 2023.07.16

Start Time: 02:12:15

End Time: 10:34:45

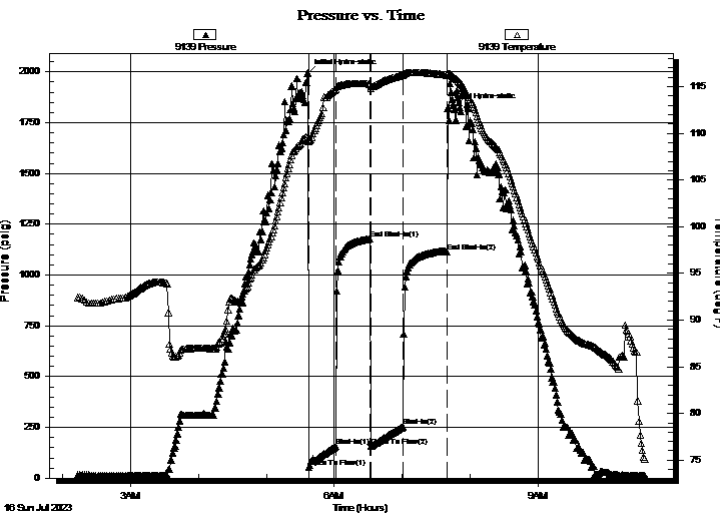
Capacity: 5000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2023.07.16 @ 05:36:15

Time Off Btm: 2023.07.16 @ 07:40:15

TEST COMMENT: Initial Opening: BOB in 20 mins
Shut In: N/A BB
Second Opening: BOB in 20 mins
Shut In: N/A BB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1993.48	109.56	Initial Hydro-static
1	53.75	109.16	Open To Flow (1)
25	155.90	114.71	Shut-In(1)
56	1178.13	115.27	End Shut-In(1)
57	155.87	115.01	Open To Flow (2)
85	253.29	116.21	Shut-In(2)
123	1113.37	116.24	End Shut-In(2)
124	1821.91	116.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Drilling mud	
560.00	Water	

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

Graham County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01546

DST#: 1

ATTN: Chris Leiker & Sean

Test Start: 2023.07.16 @ 02:12:15

Tool Information

Drill Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Tool Weight:	lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	lb
Drill Collar:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight to Pull Loose:	lb
					<u>Total Volume:</u>	- bbl	Tool Chased	ft
Drill Pipe Above KB:		ft					String Weight: Initial	lb
Depth to Top Packer:		ft					Final	lb
Depth to Bottom Packer:		ft						
Interval between Packers:	0.00	ft						
Tool Length:	198.25	ft						
Number of Packers:	3		Diameter:	6.75	inches			
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			5.00	
Hydraulic tool	5.00			10.00	
Jars	5.00			15.00	
Safety Joint	2.00			17.00	
top Packer - Shale	5.00			22.00	
Packer - Shale	5.00			27.00	
Change Over Sub	0.75			27.75	
Drill Pipe	0.00			27.75	
Change Over Sub	0.00			27.75	
Anchor	24.00			51.75	
Recorder	0.00		Inside	51.75	
Recorder	0.00		Outside	51.75	
Blank Off Sub	1.00			52.75	
Packer - Shale	5.00			57.75	
Change Over Sub	0.75			58.50	
Drill Pipe	122.00	9119	Inside	180.50	
Change Over Sub	0.75	9139	Outside	181.25	
Anchor	12.00			193.25	
Recorder	0.00			193.25	
Bullnose	5.00			198.25	198.25

Total Tool Length: 198.25

Anchor Tool



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

Graham County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01546

DST#: 1

ATTN: Chris Leiker & Sean

Test Start: 2023.07.16 @ 02:12:15

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: 5.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Drilling mud	
560.00	Water	

Total Length: 620.00 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 County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01546

DST#: 1

ATTN: Chris Leiker & Sean

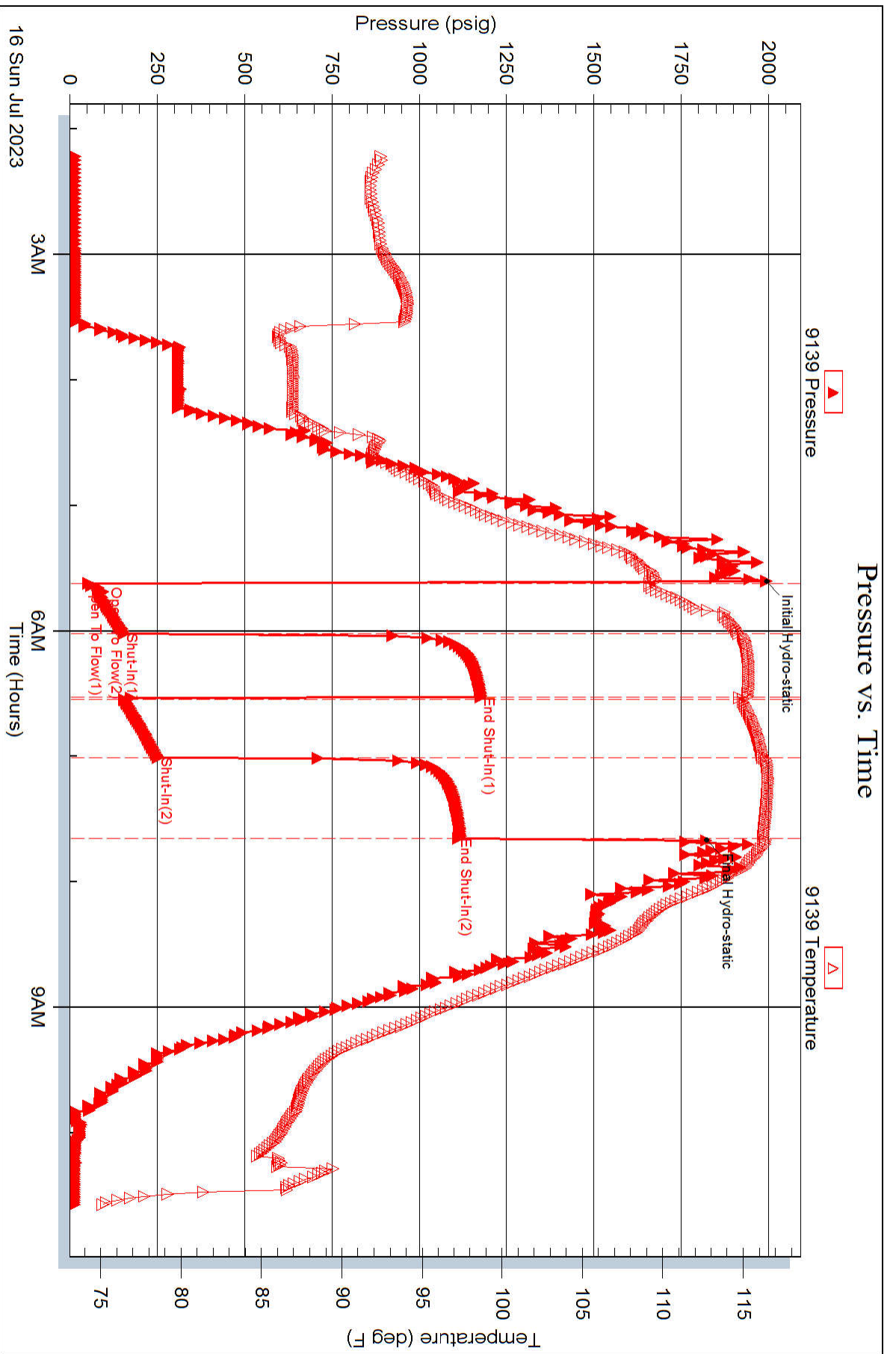
Test Start: 2023.07.16 @ 02:12:15

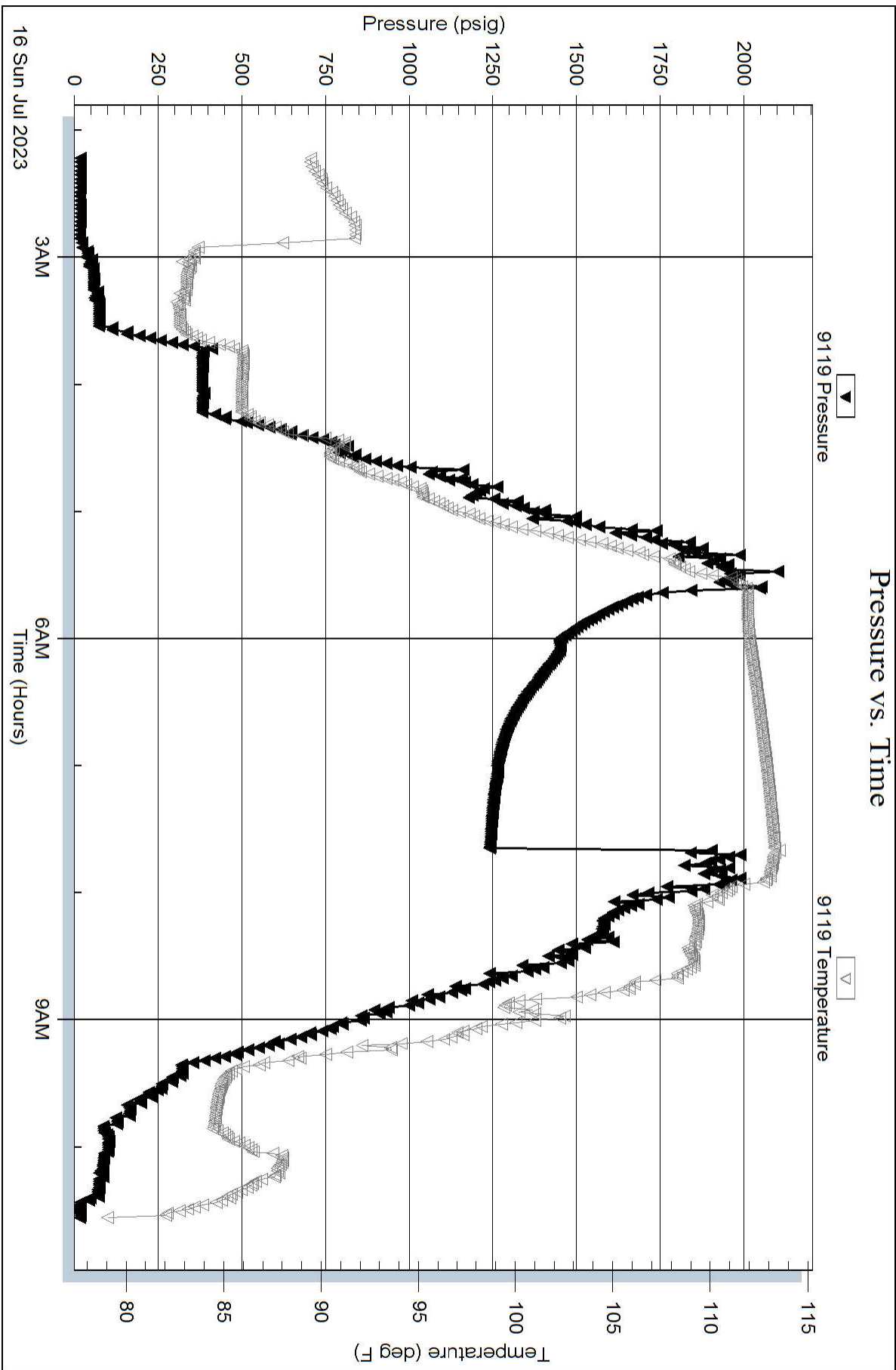
Gas Rates Information

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 TEST REPORT

Satchell Creek Petroleum

Graham County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01555

DST#: 2

ATTN: Chris Leiker & Sean

Test Start: 2023.07.17 @ 17:22:33

GENERAL INFORMATION:

Formation: **Lansing C-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:32:33

Time Test Ended: 02:48:33

Test Type: Conventional Straddle (Initial)

Tester: Chad

Unit No: 1

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

Reference Elevations: 2273.00 ft (KB)

Total Depth: 3914.00 ft (KB) (TVD)

2265.00 ft (CF)

Hole Diameter: 8.75 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 9139

Press@RunDepth: 237.88 psig @ ft (KB)

Capacity: psig

Start Date: 2023.07.17 End Date: 2023.07.18

Last Calib.: 1899.12.30

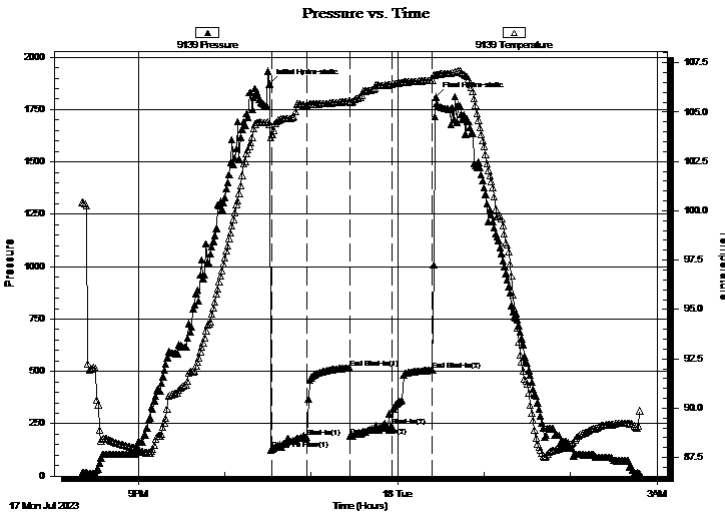
Start Time: 17:22:33 End Time: 02:48:33

Time On Btm: 2023.07.17 @ 22:31:03

Time Off Btm: 2023.07.18 @ 00:26:33

TEST COMMENT: Initial Opening: BOB in 25 minutes
Blow back: N/A
Second Opening: 7" in 30 minutes
Blow back: N/A

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1871.80	104.39	Initial Hydro-static
2	127.62	103.87	Open To Flow (1)
26	184.85	105.33	Shut-In(1)
56	514.64	105.56	End Shut-In(1)
56	192.34	105.48	Open To Flow (2)
85	237.88	106.41	Shut-In(2)
113	506.05	106.62	End Shut-In(2)
116	1809.73	106.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
105.00	Watery Drilling Mud	

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

Graham County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01555

DST#: 2

ATTN: Chris Leiker & Sean

Test Start: 2023.07.17 @ 17:22:33

Tool Information

Drill Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Tool Weight:	10000.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight to Pull Loose:	65000.00 lb
					Total Volume:	- bbl	Tool Chased	5.00 ft
Drill Pipe Above KB:		ft					String Weight: Initial	54000.00 lb
Depth to Top Packer:		ft					Final	55000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:	0.00	ft						
Tool Length:	424.00	ft						
Number of Packers:	3		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			5.00	
Hydraulic tool	5.00			10.00	
Jars	5.00			15.00	
Safety Joint	2.00			17.00	
top Packer - Shale	5.00			22.00	
Packer - Shale	5.00			27.00	
Change Over Sub	0.75			27.75	
Drill Pipe	0.00			27.75	
Change Over Sub	0.75			28.50	
Anchor	168.00			196.50	
Recorder	0.00		Inside	196.50	
Recorder	0.00		Outside	196.50	
Blank Off Sub	1.00			197.50	
Packer - Shale	5.00			202.50	
Change Over Sub	0.75			203.25	
Drill Pipe	0.00	9119	Inside	203.25	
Change Over Sub	0.75	9139	Outside	204.00	
Anchor	215.00			419.00	
Recorder	0.00			419.00	
Bullnose	5.00			424.00	424.00
					Anchor Tool

Total Tool Length: 424.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

Graham County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01555

DST#: 2

ATTN: Chris Leiker & Sean

Test Start: 2023.07.17 @ 17:22:33

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 5.79 in³

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:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
105.00	Watery Drilling Mud	

Total Length: 105.00 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 County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01555

DST#: 2

ATTN: Chris Leiker & Sean

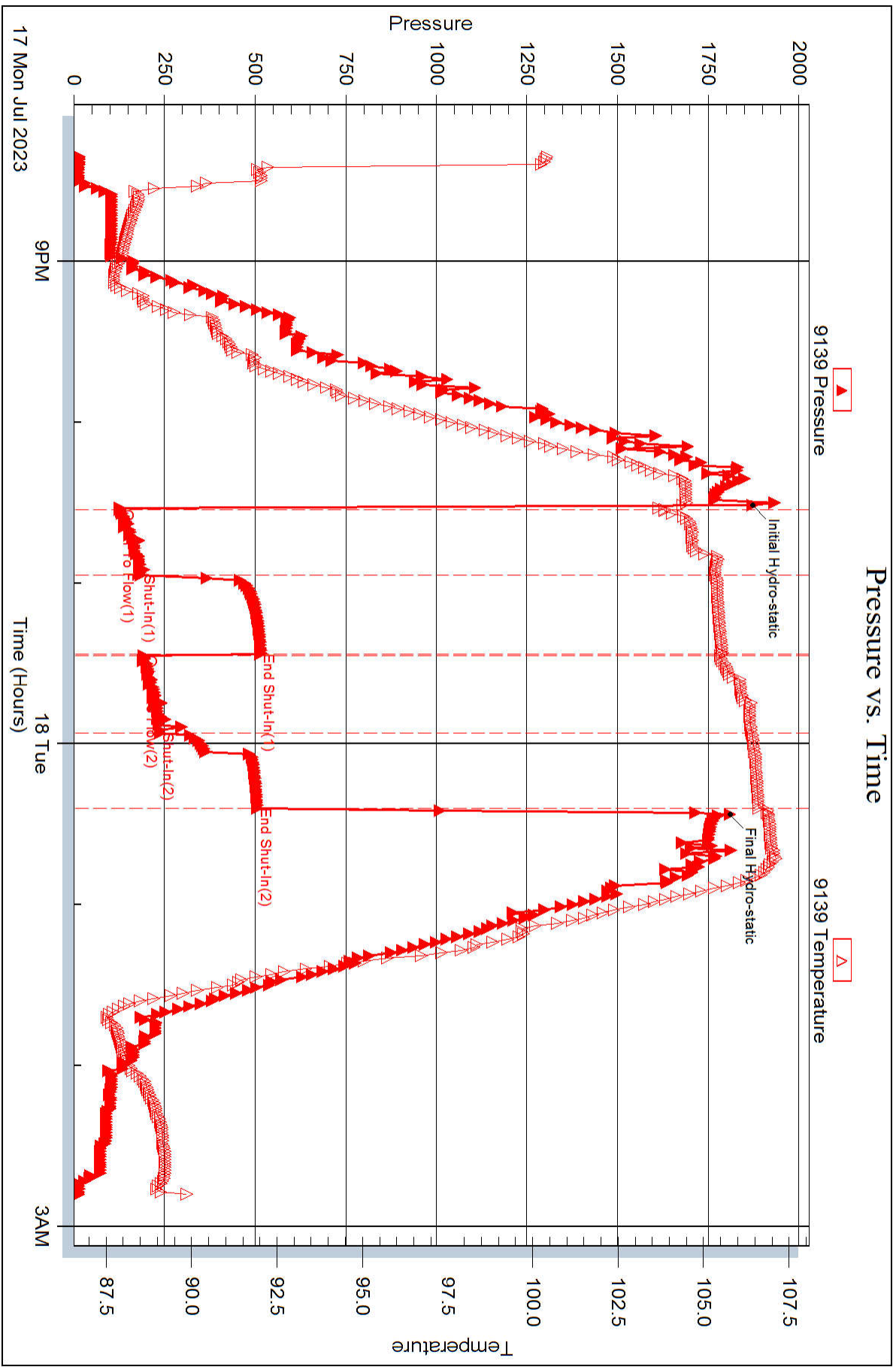
Test Start: 2023.07.17 @ 17:22:33

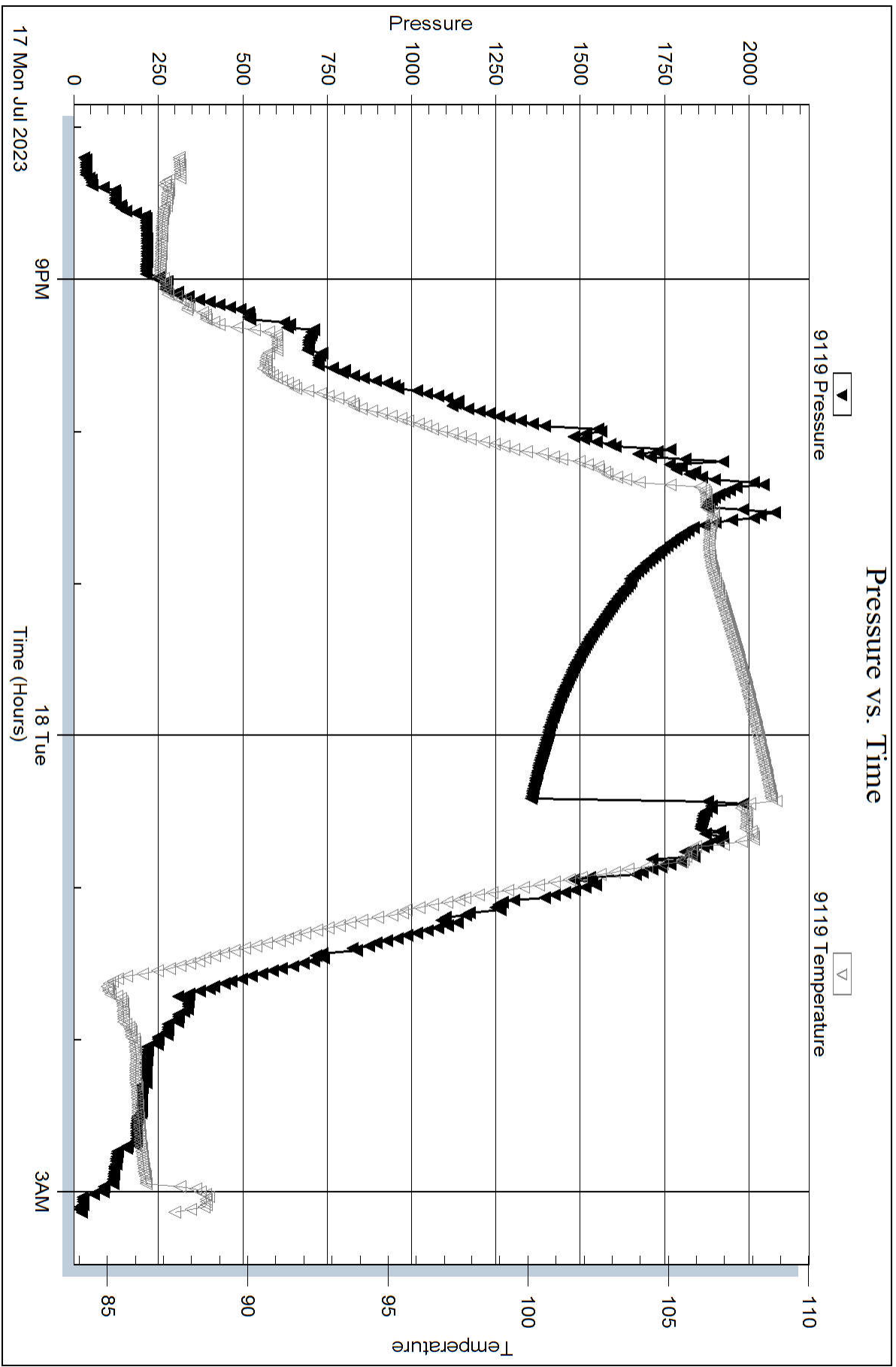
Gas Rates Information

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 TEST REPORT

Satchell Creek Petroleum

Graham County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01555

DST#: 3

ATTN: Chris Leiker & Sean

Test Start: 2023.07.18 @ 07:38:51

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:20:51

Time Test Ended: 08:12:43

Test Type: Conventional Straddle (Initial)

Tester: Chad

Unit No: 1

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

Reference Elevations: 2273.00 ft (KB)

Total Depth: 3914.00 ft (KB) (TVD)

2265.00 ft (CF)

Hole Diameter: 8.75 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 9139

Press@RunDepth: 221.64 psig @ ft (KB)

Capacity: psig

Start Date: 2023.07.18

End Date: 2023.07.19

Last Calib.: 1899.12.30

Start Time: 07:38:51

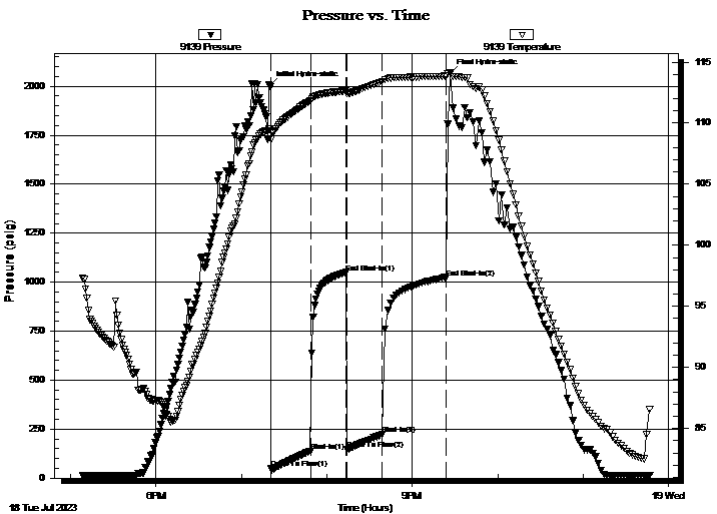
End Time: 08:12:43

Time On Btm: 2023.07.18 @ 19:19:51

Time Off Btm: 2023.07.18 @ 21:26:51

TEST COMMENT: Initial Opening: BOB in 18 mins
Blow back: N/A
Second Opening: BOB in 20mins
Blow back: N/A

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2000.68	109.53	Initial Hydro-static
1	50.37	108.68	Open To Flow (1)
29	138.59	111.83	Shut-In(1)
54	1049.41	112.65	End Shut-In(1)
55	145.95	112.43	Open To Flow (2)
79	221.64	113.38	Shut-In(2)
124	1022.86	113.84	End Shut-In(2)
127	2066.17	114.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	Salt Water	

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

Graham County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01555

DST#: 3

ATTN: Chris Leiker & Sean

Test Start: 2023.07.18 @ 07:38:51

Tool Information

Drill Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Tool Weight:	10000.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight to Pull Loose:	65000.00 lb
					Total Volume:	- bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		ft					String Weight: Initial	56000.00 lb
Depth to Top Packer:		ft					Final	62000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:	0.00	ft						
Tool Length:	106.50	ft						
Number of Packers:	3		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			5.00	
Hydraulic tool	5.00			10.00	
Jars	5.00			15.00	
Safety Joint	2.00			17.00	
top Packer - Shale	5.00			22.00	
Packer - Shale	5.00			27.00	
Drill Pipe	0.00			27.00	
Anchor	10.00			37.00	
Recorder	0.00		Inside	37.00	
Recorder	0.00		Outside	37.00	
Blank Off Sub	1.00			38.00	
Packer - Shale	5.00			43.00	
Change Over Sub	0.75			43.75	
Drill Pipe	31.00	9119	Inside	74.75	
Change Over Sub	0.75	9139	Outside	75.50	
Anchor	26.00			101.50	
Recorder	0.00			101.50	
Bullnose	5.00			106.50	106.50
					Anchor Tool

Total Tool Length: 106.50



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

Graham County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01555

DST#: 3

ATTN: Chris Leiker & Sean

Test Start: 2023.07.18 @ 07:38:51

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: 5.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	Salt Water	

Total Length: 360.00 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 County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01555

DST#: 3

ATTN: Chris Leiker & Sean

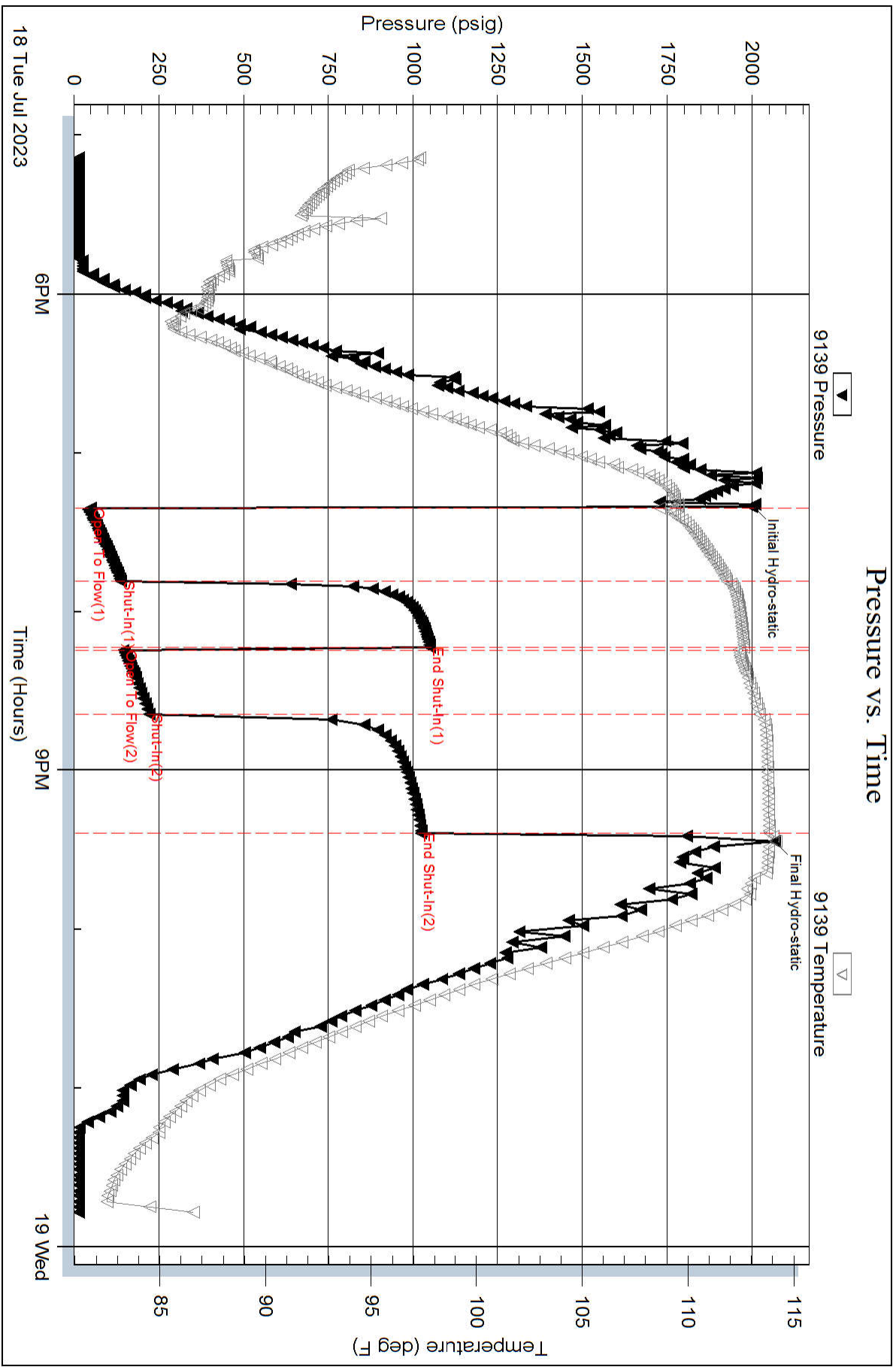
Test Start: 2023.07.18 @ 07:38:51

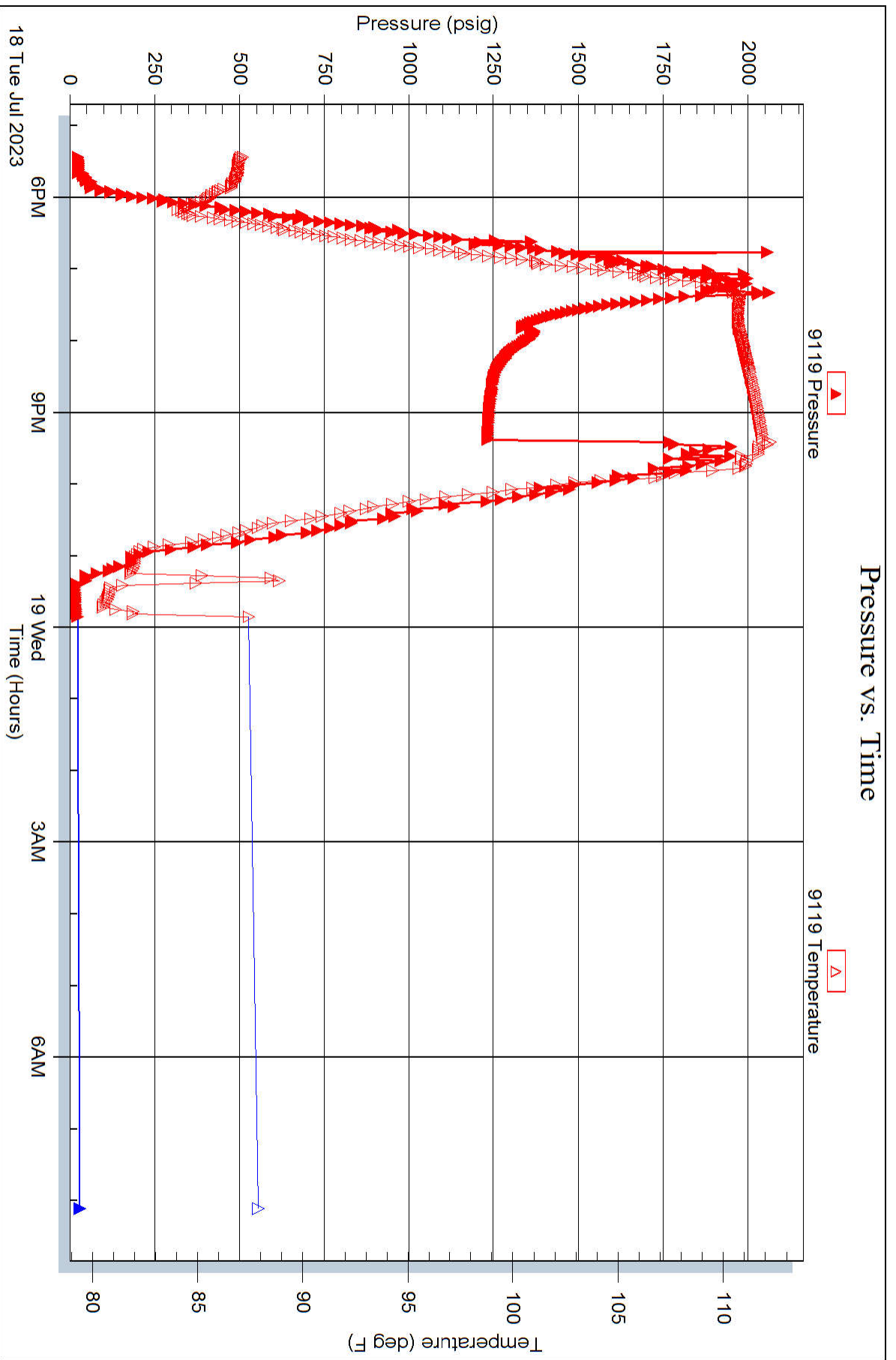
Gas Rates Information

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 TEST REPORT

Satchell Creek Petroleum

Graham County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01555

DST#: 4

ATTN: Chris Leiker & Sean

Test Start: 2023.07.18 @ 08:14:55

GENERAL INFORMATION:

Formation: **Platts mouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:40:48

Time Test Ended: 08:48:47

Test Type: Conventional Straddle (Initial)

Tester: Chad

Unit No: 1

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

Reference Elevations: 2273.00 ft (KB)

Total Depth: 3914.00 ft (KB) (TVD)

2265.00 ft (CF)

Hole Diameter: 8.75 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 9139

Press@RunDepth: 147.81 psig @ ft (KB)

Capacity: psig

Start Date: 2023.07.18

End Date: 2023.07.19

Last Calib.: 1899.12.30

Start Time: 08:14:55

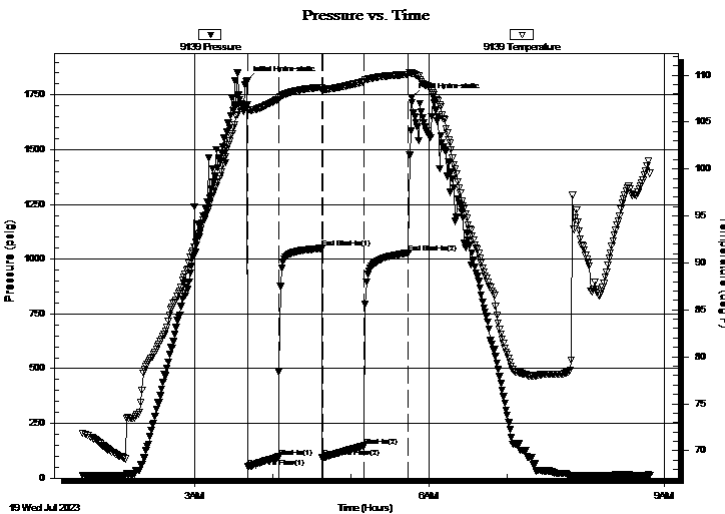
End Time: 08:48:47

Time On Btm: 2023.07.19 @ 03:40:18

Time Off Btm: 2023.07.19 @ 05:46:18

TEST COMMENT: Initial Blow : 8" after 30 mins
Blow back: N/A
Second Opening: 7" in 30 mins
Blow back:N/A

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1815.84	106.80	Initial Hydro-static
1	51.13	106.15	Open To Flow (1)
24	96.63	107.42	Shut-In(1)
57	1049.44	108.70	End Shut-In(1)
58	93.13	108.45	Open To Flow (2)
90	147.81	109.28	Shut-In(2)
124	1029.51	110.05	End Shut-In(2)
126	1739.63	110.23	Final Hydro-static

Recovery

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

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

Graham County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01555

DST#: 4

ATTN: Chris Leiker & Sean

Test Start: 2023.07.18 @ 08:14:55

Tool Information

Drill Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Tool Weight:	10000.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight to Pull Loose:	67000.00 lb
					Total Volume:	- bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		ft					String Weight: Initial	56000.00 lb
Depth to Top Packer:		ft					Final	56000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:	0.00	ft						
Tool Length:	2884.50	ft						
Number of Packers:	3		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			5.00	
Hydraulic tool	5.00			10.00	
Jars	5.00			15.00	
Safety Joint	2.00			17.00	
top Packer - Shale	5.00			22.00	
Packer - Shale	5.00			27.00	
Drill Pipe	0.00			27.00	
Anchor	2400.00			2427.00	
Recorder	0.00		Inside	2427.00	
Recorder	0.00		Outside	2427.00	
Blank Off Sub	1.00			2428.00	
Packer - Shale	5.00			2433.00	
Change Over Sub	0.75			2433.75	
Drill Pipe	434.00	9119	Inside	2867.75	
Change Over Sub	0.75	9139	Outside	2868.50	
Anchor	11.00			2879.50	
Recorder	0.00			2879.50	
Bullnose	5.00			2884.50	2884.50
					Anchor Tool

Total Tool Length: 2884.50



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

Graham County 22-07S-22W

3032 N Cortina
Wichita, KS 67205

WorcesterA4-22

Job Ticket: 01555

DST#: 4

ATTN: Chris Leiker & Sean

Test Start: 2023.07.18 @ 08:14:55

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: 5.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Drilling Mud	

Total Length: 120.00 ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:



DRILL STEM TEST REPORT

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