

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
--	---

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) (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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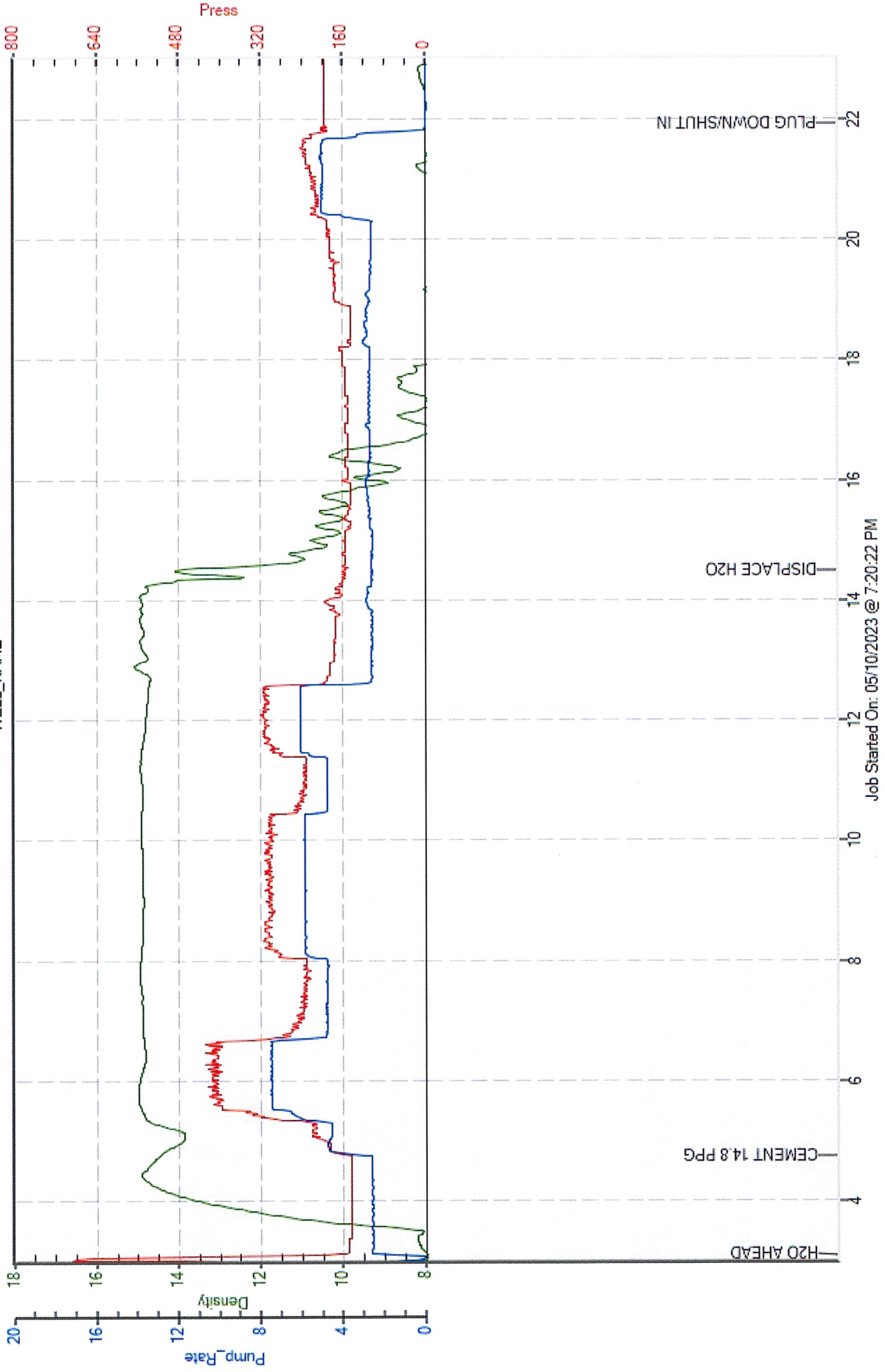
Form	ACO1 - Well Completion
Operator	Satchell Creek Petroleum, LLC
Well Name	WORCESTER A6-21
Doc ID	1730825

All Electric Logs Run

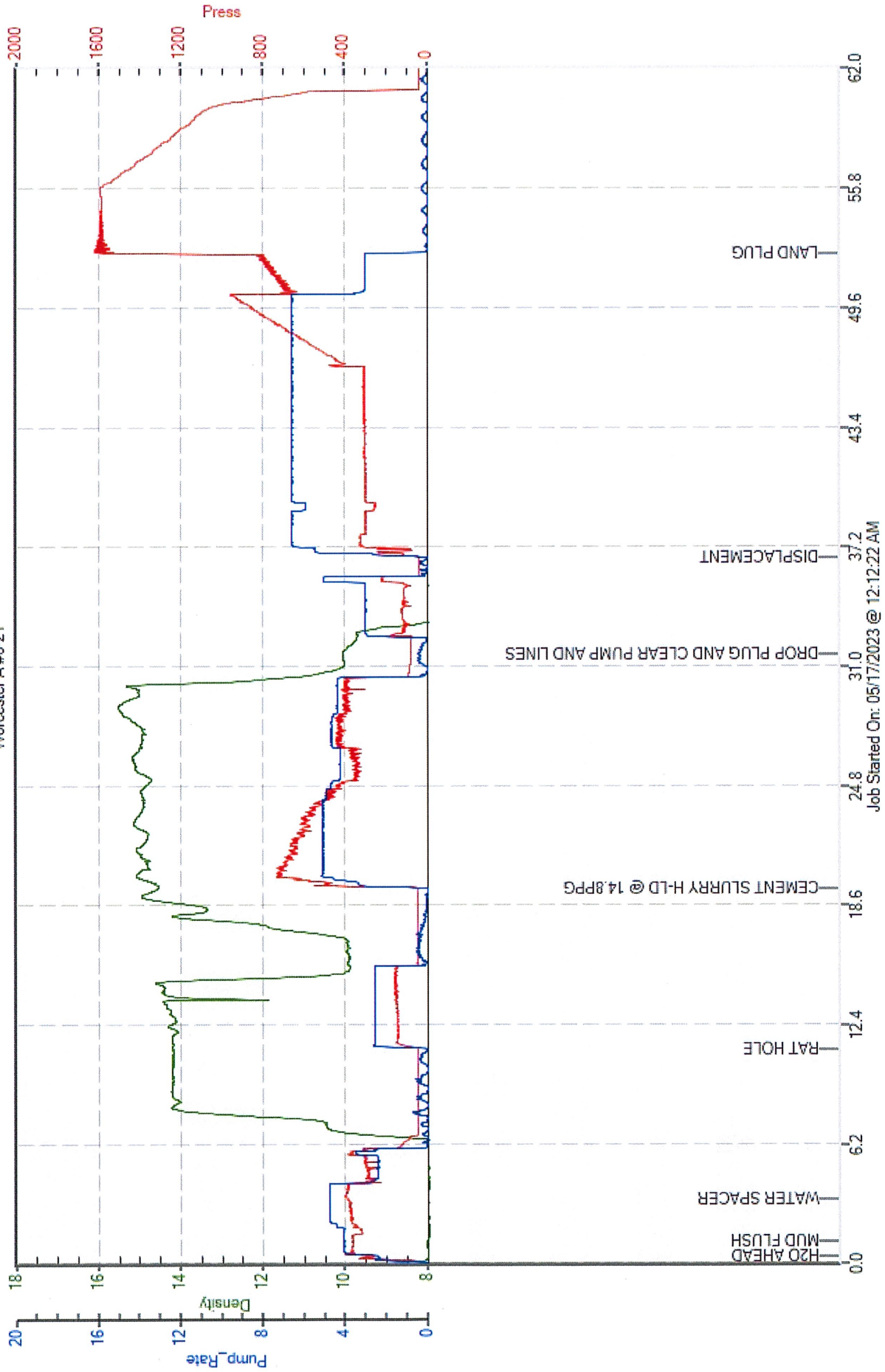
DIL
DUCP
BHV
MEL

Satchell Creek

WELL_NAME



Satchell Creek
Worcester A #6-21



WELL TREATMENT REPORT

Customer: **Satchell Creek**
 City, State: **Hill City KS**
 Field Rep: **Jesse**

Well: **Worcester A #6-21**
 County: **Graham KS**
 S-T-R: **21-7S-22W**

Ticket: **WP 4391**
 Date: **6/13/2023**
 Service: **Port collar**

Downhole Information	
Hole Size:	in
Hole Depth:	ft
Casing Size:	5 1/2 in
Casing Depth:	ft
Tubing / Liner:	2 7/8 in
Depth:	1940 ft
Tool / Packer:	Port Collar
Tool Depth:	1927 ft
Displacement:	10.2 bbls

Calculated Slurry - Lead	
Blend:	H-Con
Weight:	12.0 ppg
Water / Sx:	15.5 gal / sx
Yield:	2.56 ft ³ / sx
Annular Bbls / Ft.:	0.0309 bbs / ft.
Depth:	1927 ft
Annular Volume:	59.5 bbls
Excess:	
Total Slurry:	132.2 bbls
Total Sacks:	290 sx

Calculated Slurry - Tail	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft ³ / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
8:00 AM			-	-	Arrived on location
8:10 AM				-	Safety meeting
8:20 AM				-	Rigged up
9:35 AM	3.0	175.0	52.5	52.5	Loaded hole with fresh water
10:02 AM	2.0	800.0	1.0	53.5	Pressured up tubing to 800 psi pressure held
10:04 AM		300.0		53.5	Released pressure to 300 psi and open tool
10:16 AM	2.0	725.0	6.5	60.0	Water ahead and had good blow
10:21 AM	2.5	450.0	63.3	123.3	Mixed 139 sacks H-Con cement @ 12.0 ppg
10:43 AM				123.3	Circulation dropped off shut down and waited for 15 minutes
10:59 AM	3.0	500.0	22.7	146.0	Mixed 50 sacks H-Con cement @ 11.8 ppg
11:06 AM				146.0	Circulation still did not return shut down for another 30 minutes
11:38 AM	3.5	450.0	46.0		Mixed 101 sacks H-Con cement @ 11.6 ppg, total of 290 sacks cement
11:55 AM	3.0	400.0	10.2		Begin displacement left 1 bbl cement in tubing
11:59 AM		350.0	10.0		Shut down, closed valve, cleared pump and lines while rig closed tool and ran 10 joints in hole
12:08 PM					Pressured up through back side to 800 psi, tool was closed
12:22 PM	3.5	300.0	24.0		Reversed out through back side
12:30 PM					Washed up and rigged down
12:56 PM					Left location
					Cement circulated to surface

	CREW		UNIT	SUMMARY		
				Average Rate	Average Pressure	Total Fluid
Cementor:	John		947	2.8 bpm	445 psi	236 bbls
Pump Operator:	Jose V		208			
Bulk #1:	Jake		180-530			
Bulk #2:						



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: 2023.05.16 @ 13:10:50



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

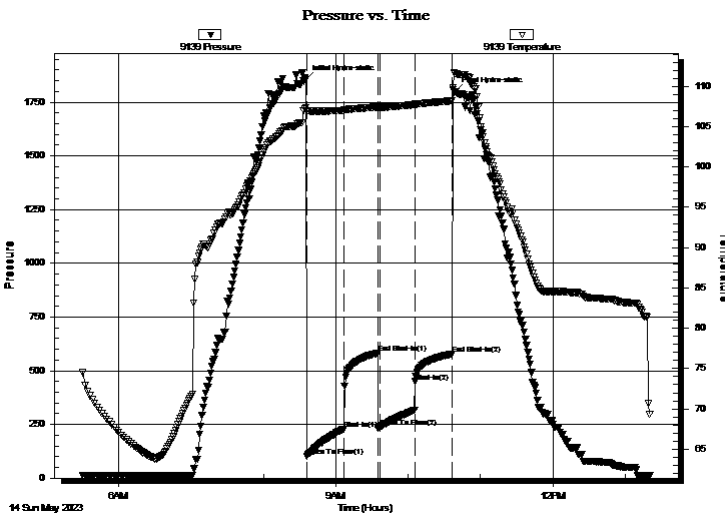
End Time: 13:20:17

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

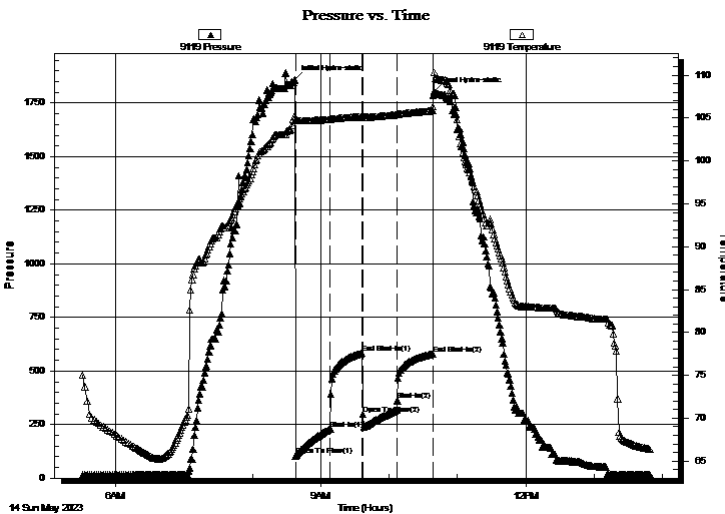
End Time: 13:49:22

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	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: 6.40 in³
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

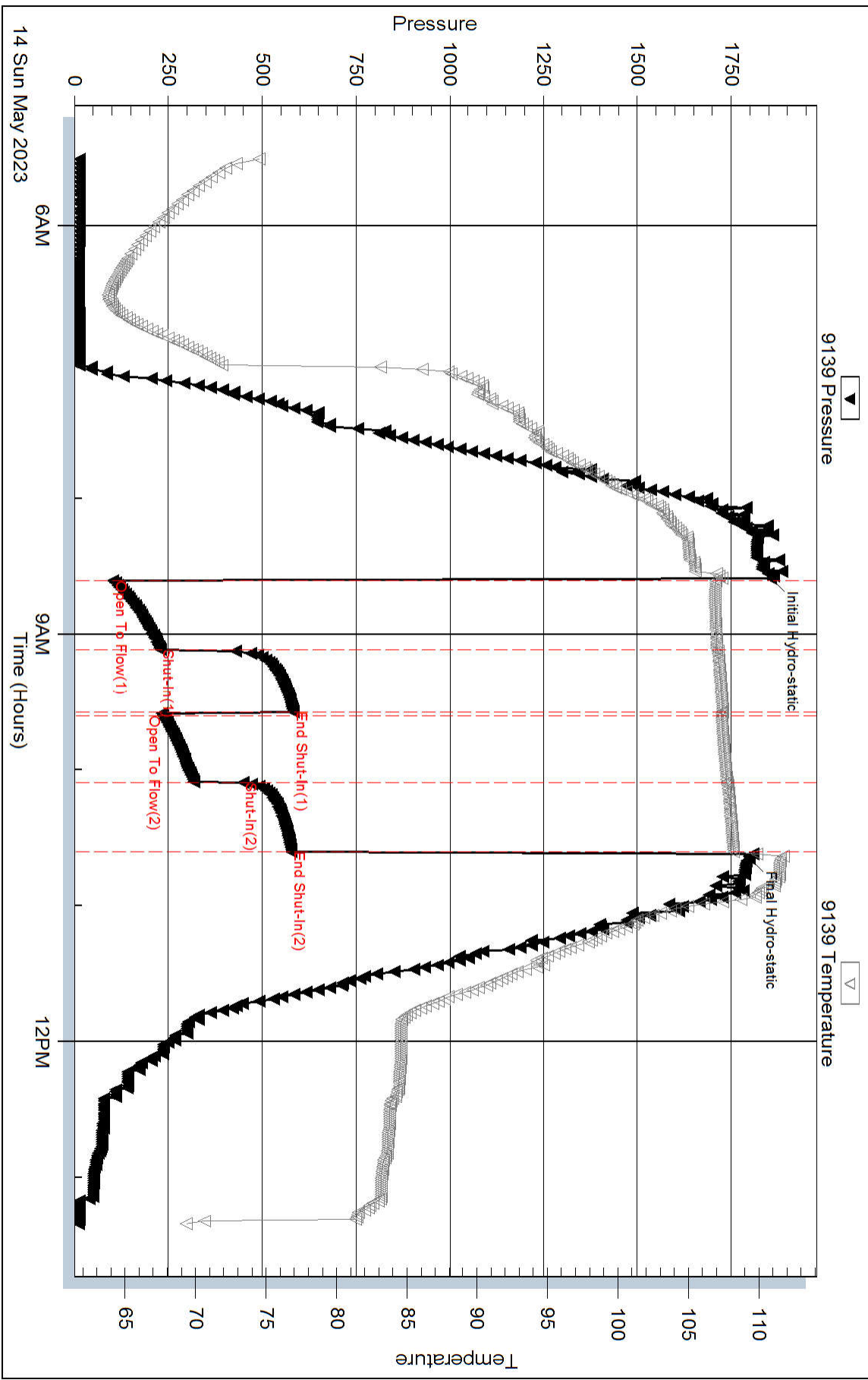
Gas Rates Information

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

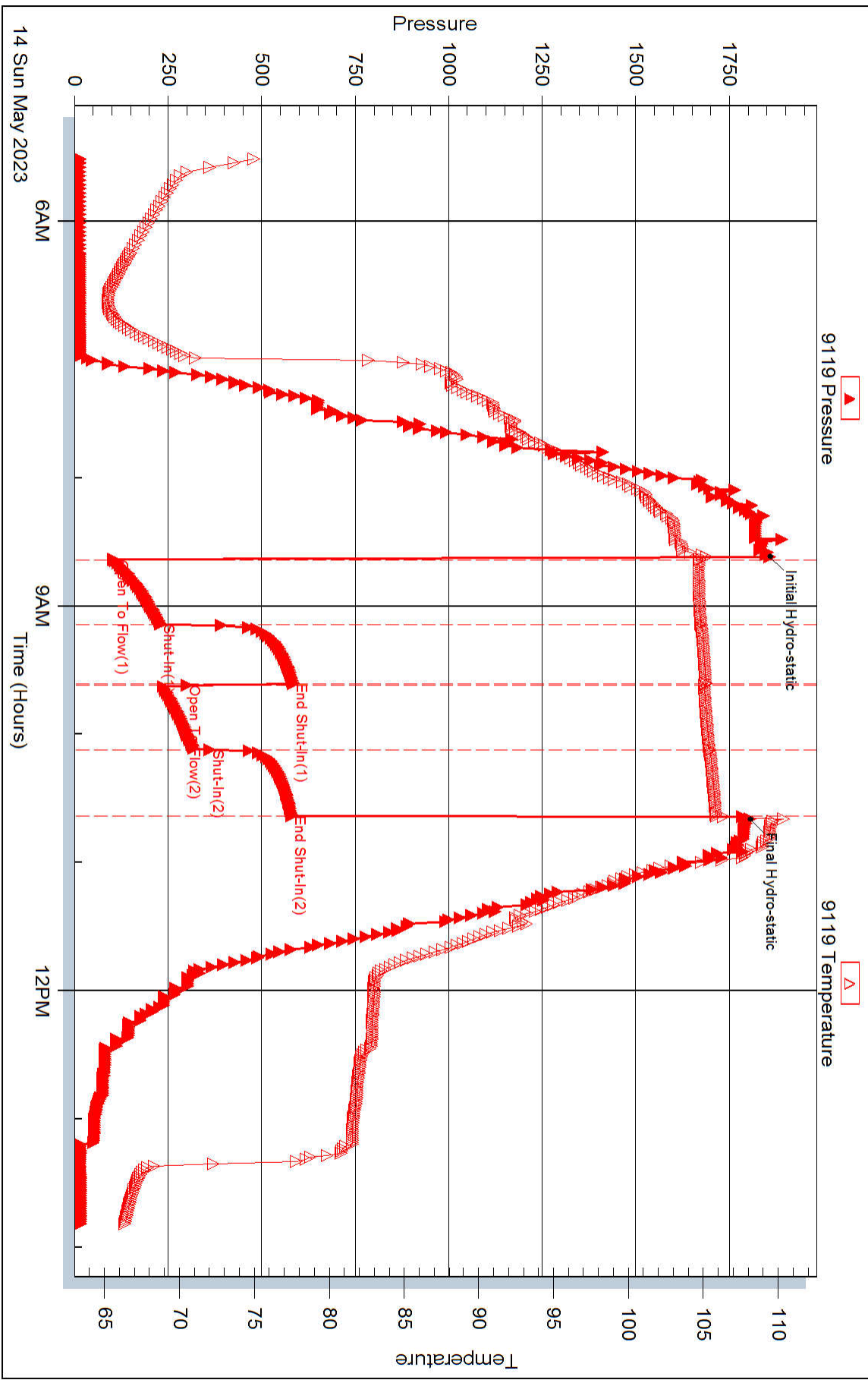
Gas Rates Table

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

Pressure vs. Time



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: 2023.05.15 @ 10:26:19



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

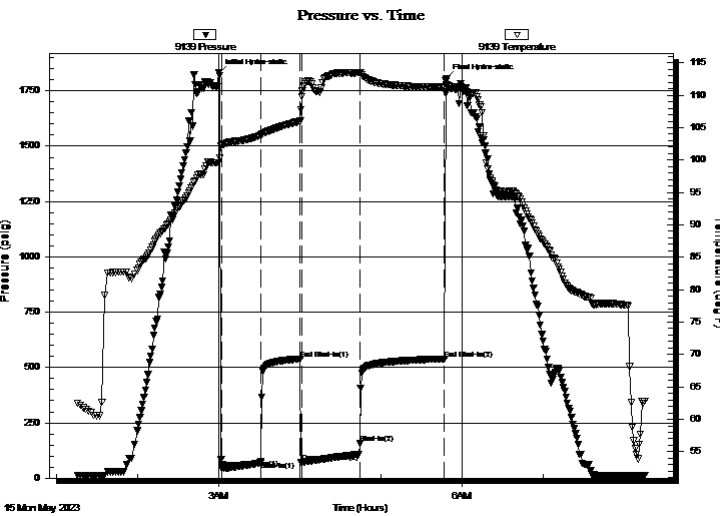
Start Time: 01:15:38

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

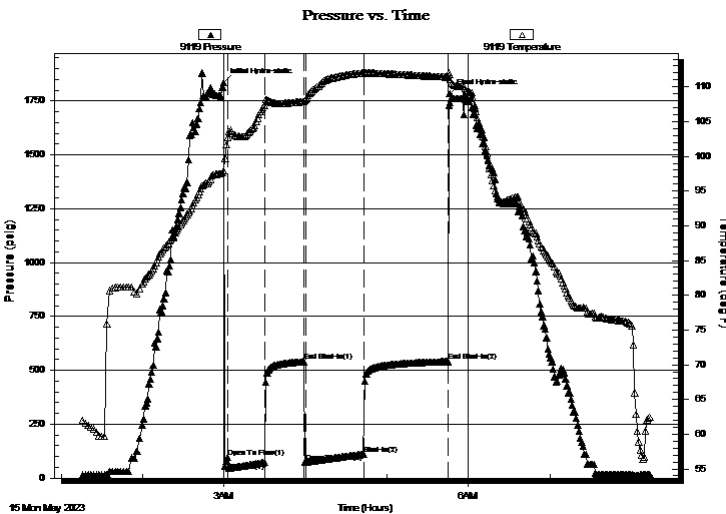
End Time: 08:14:07

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	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
Total Tool Length:	46.50				



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 in³
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

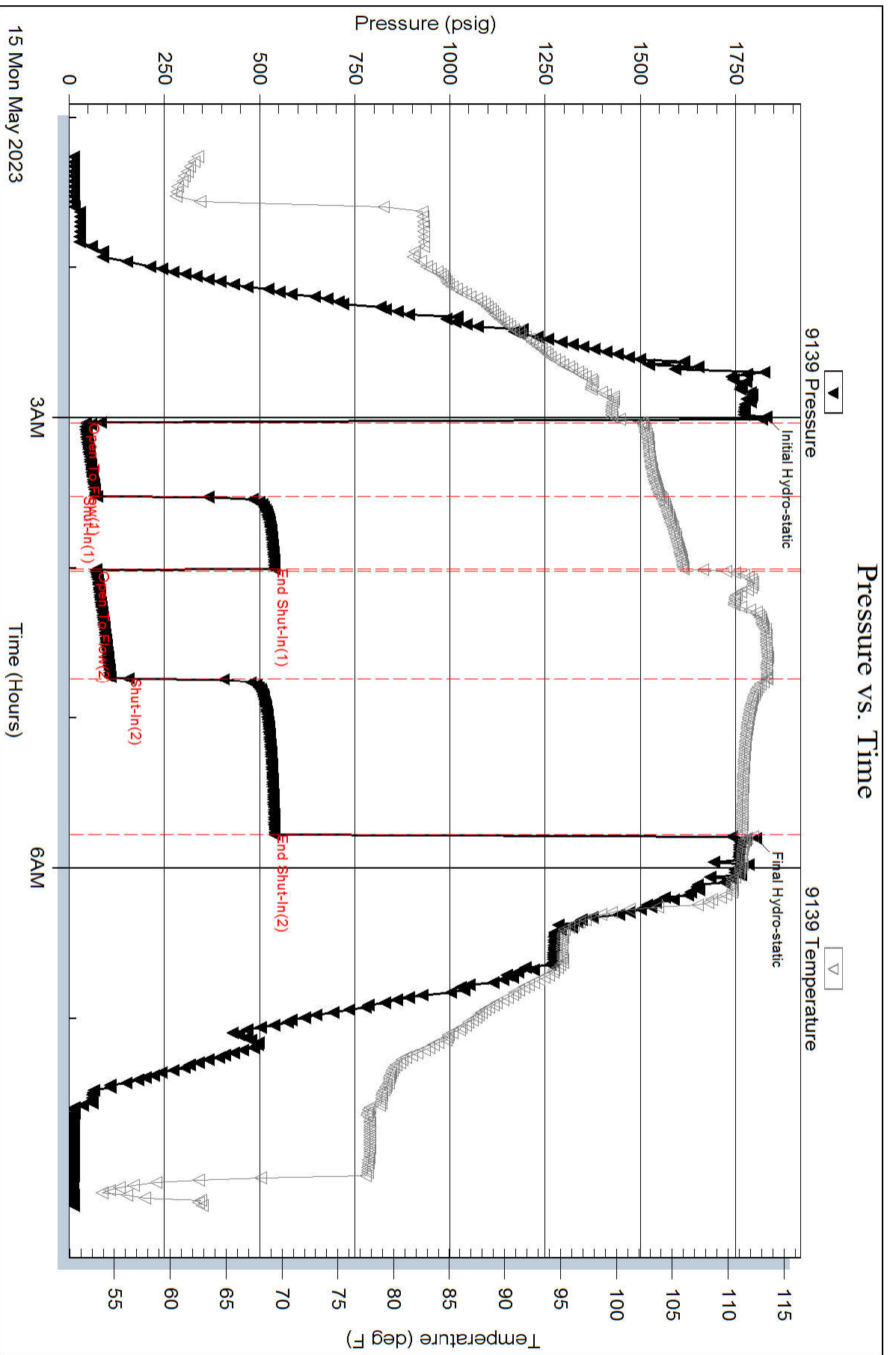
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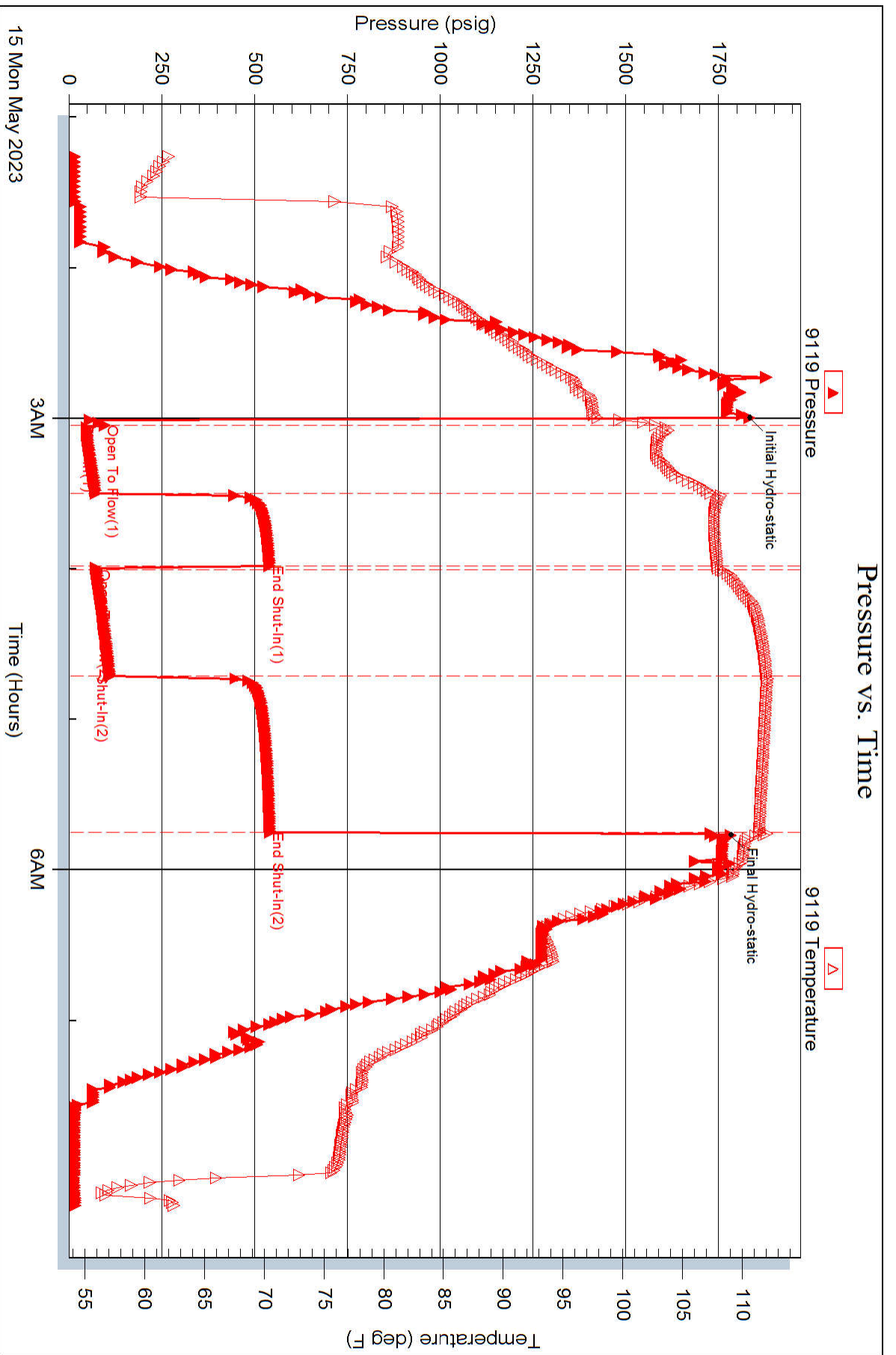
Gas Rates Information

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

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: 2023.05.15 @ 17:57:34



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: 17:20:28

End Time: 23:50:28

Time On Btm: 2023.05.15 @ 19:22:28

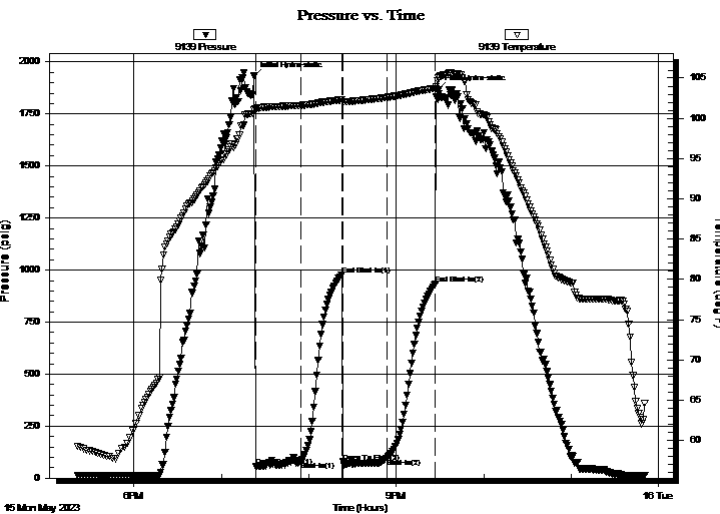
Time Off Btm: 2023.05.15 @ 21:28:58

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

Blow Back 1st: N/A

Final Blow : Very Weak Intermitent 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 5%Oil 90%MUD 5%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: 17:20:42

End Time: 00:09:42

Time On Btm: 2023.05.15 @ 19:23:42

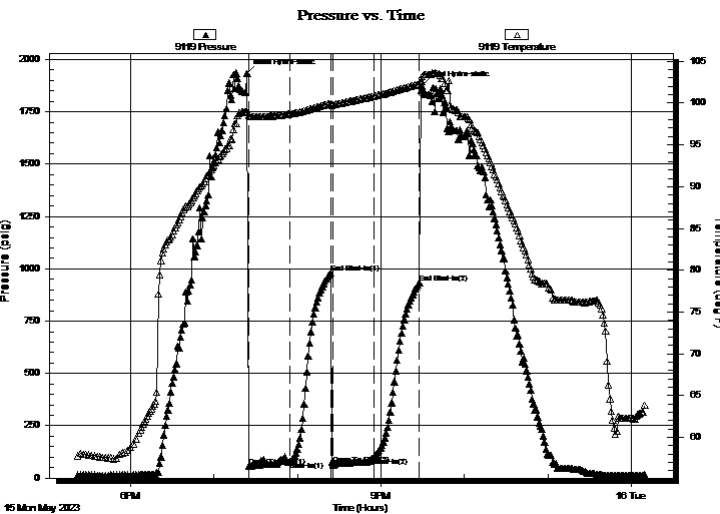
Time Off Btm: 2023.05.15 @ 21:29:12

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

Blow Back 1st: N/A

Final Blow : Very Weak Intermitent 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 5%Oil 90%MUD 5%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
		Total Volume: 0.00 bbl		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	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
Total Tool Length:	73.50				



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: 9.60 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: 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 5%Oil 90%MUD 5%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

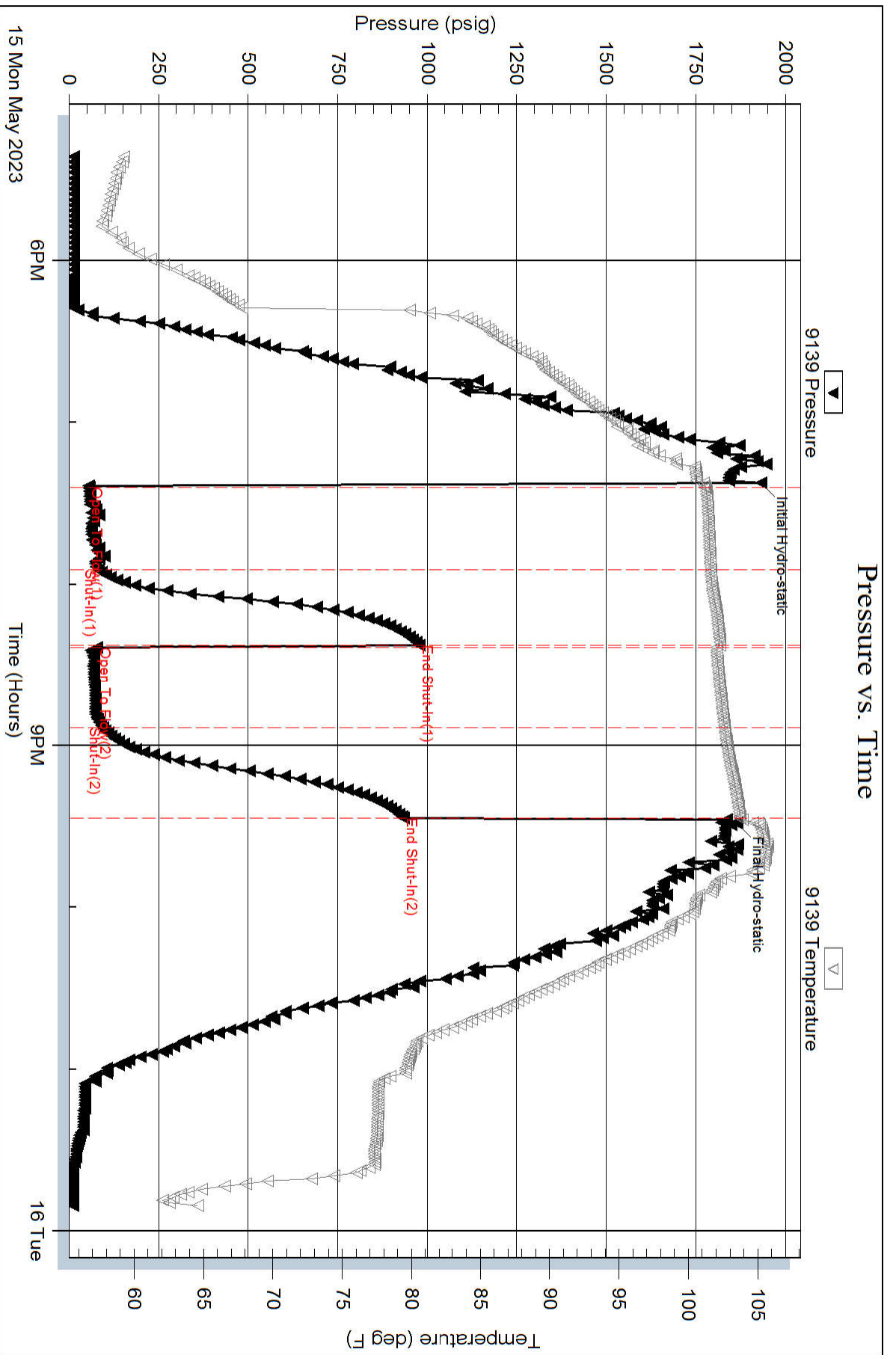
Test Start: 2023.05.15 @ 17:20:28

Gas Rates Information

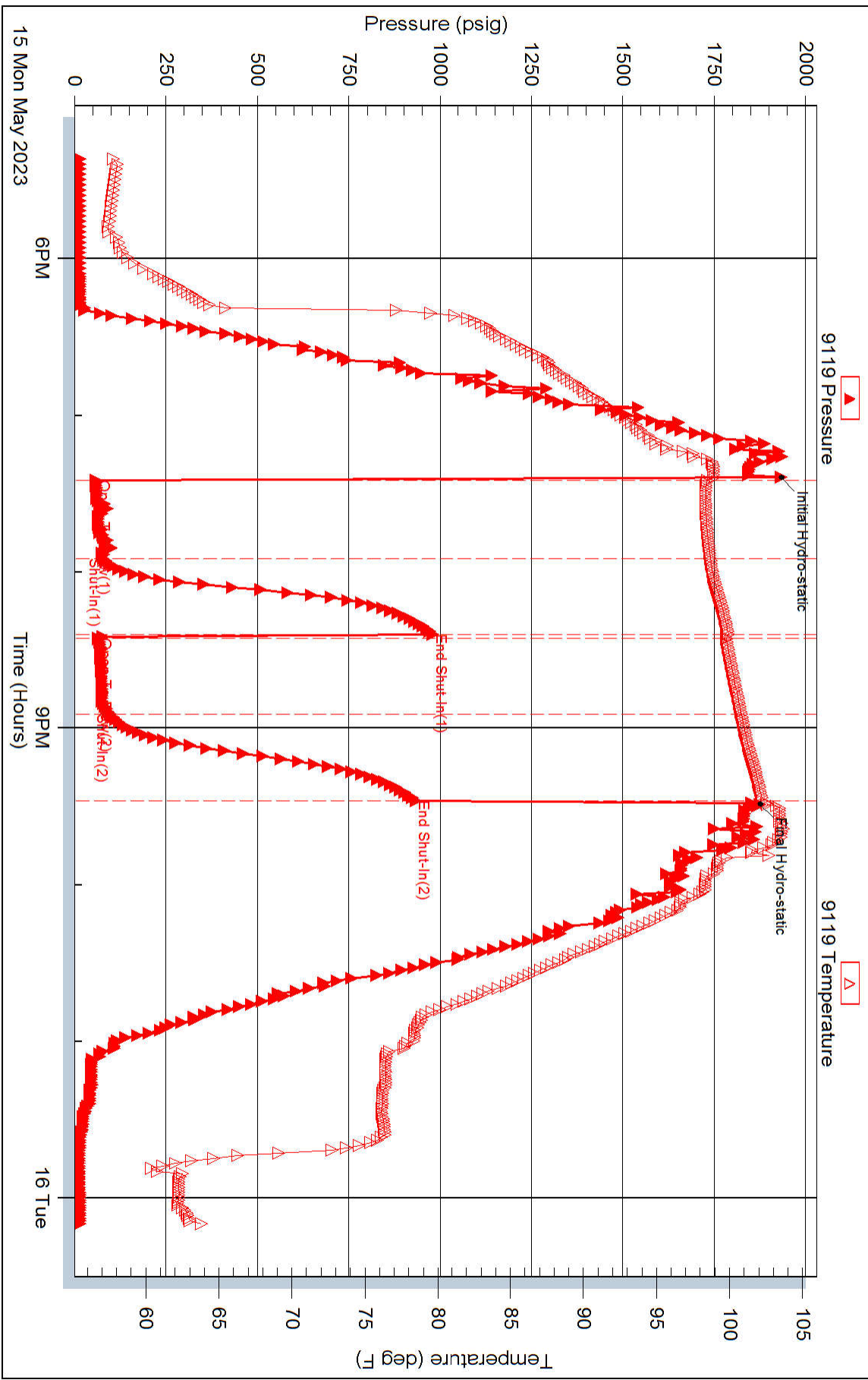
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

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



Pressure vs. Time



Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT

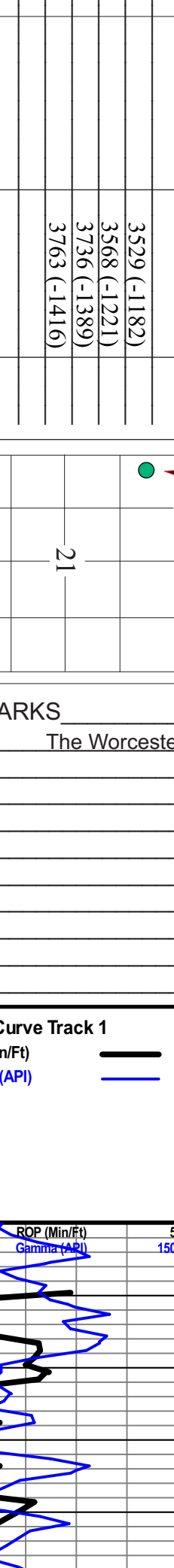
DRILLING TIME AND SAMPLE LOG

COMPANY Satchell Creek Petroleum, LLC
 LEASE Worcester A #6-21
 FIELD Wildcat
 LOCATION 661' FNL & 366' FEL
 SEC 21 TWPSP 7S RGE 22W
 COUNTY Graham STATE Kansas
 CONTRACTOR Feature Drilling Rig #3
 SPUD 5/10/23 COMP 5/16/23
 RTD 3896' LTD 3897'
 MUD UP 3100' TYPE MUD Chemical

ELEVATIONS
 KB 2347'
 DF _____
 GL 2339'
 Measurements Are All From Kelly Bushing

CASING
 CONDUCTOR _____
 SURFACE 8-5/8" at 268'
 PRODUCTION 5.5"
 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 MIC/SON

Formation	Sample Tops	E-log Tops	Structure
Heebner Sh		3529 (-1182)	
Lansing		3568 (-1221)	
Stark Shale		3736 (-1389)	
BKC		3763 (-1416)	



REMARKS
 The Worcester A #6-21 will be further evaluated through 5.5" casing.
 Respectfully Submitted,
 Sean P. Deenihan

