

Form	ACO1 - Well Completion
Operator	Satchell Creek Petroleum, LLC
Well Name	HOBBS A1-34
Doc ID	1738618

Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
8	3784	3790			125 gal acetic
8	3803	3807			125 gal acetic
8	3833	3838			125 gal acetic
8	3843	3847			125 gal acetic
8	3977	3981			125 gal acetic
8	4002	4004			125 gal acetic

Form	ACO1 - Well Completion
Operator	Satchell Creek Petroleum, LLC
Well Name	HOBBS A1-34
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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	224	Class A	160	2% gel; 3% cc
Production	7.875	5.5	15	4406	H-LD	250	50% F; .1% FL

PIPE / CEMENT REPORT
SATCHELL CREEK PETROLEUM LLC

DATE: 8-13-23

WELL # HOBBS 1-34

RIG TD 4404

CASING TD 4403

OF JNTS OF PIPE 105

CASING SIZE 5 1/2

LENGTH OF SHOE JNT 13.02

PORT COLLAR

DV TOOL

SINGLE STAGE

DEPTH OF PC

DEPTH OF DV 2140

TOTAL SXS OF CEMENT USED: TOP 500 BOTTOM 250

Cement Did CIR. Very Good

PACKER SHOE

REGULAR SHOE X

ONCE PIPE IS SET AND CEMENT DONE TAKE PICTURE OF THIS AND SEND TO TAYLOR LEIKER
@7854321083. KEEP THIS PAPER COPY IN A FOLDER UNTILL HE PICKS IT UP FROM YOU.

THANK YOU!!!!

▼ Email: franksoilfield@yahoo.com
FIELD TICKET & TREATMENT REPORT
 WELL NAME & NUMBER **CEMENT**

LOCATION Woyie
FOREMAN Tom Williams
ORT

REMARKS: *safety meeting & set up on Feature #3. Circulate mud
Mix 160 sk 3d2. Displace 13.5 bbl & shut in 11:15 pm
cement d/d circulate*

[illegible]

DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

Sean Deenihan
Petroleum Geologist

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Satchell Creek Petroleum, LLC
LEASE Hobbs A #1-34

ELEVATIONS
KB 2477'

FIELD Wildcat

LOCATION 437° FNL & 1347° FWL

SEC 34 TWPSP 10S RGE 25W

COUNTY Graham STATE Kansas

CONTRACTOR Feature Drilling Rig #3

SPUD 8/1/23 COMP 8/1/23

RTD 4404' LTD 4407'

MUD UP 3100' TYPE MUD Chemical

CONDUCTOR

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

FORMATION

Sample Tops

E-log Tops

Struct Fes.

Heebner Sh

Lansing

Stark Shale

Mississippi

3762 (-1283)

3803 (-1326)

3988 (-1511)

4366 (-1889)

34

CASING

Measurements Are All From Kelly Bushing

GL 2469'

DF

PRODUCTION 5.5" @ 4402'

SURFACE 8-5/8" at 223'

ELECTRICAL SURVEYS

Midwest

CND/DIL

MICROSON

REMARKS

The Worcester A #1-34 had several good shows of oil in the Lansing.
The decision was made to complete this well for commercial oil production.

Respectfully Submitted,

Sean P. Deenihan

Engineering Data

TG (units) —
C2 (units) —
C3 (units) —
C4 (units) —
C5 (units) —

DST #1
3758'- 3810'
30-30-30-30"
IF: 5"
ISI: NO BB
FF: 3"
FSI: NO BB
Rec: 90' Misrun

DST #2
3756'- 38444'
15-30-15-30"
IF: NO BLOW
ISI: surface equip
FF: Problem
FSI: no BB
Rec: 240' SOCM
360' OGCM
IFP: 181-259#
FFP: 291-344#
SIP: 1069-1037#

DST #3
3850'- 3880'
15-30-15-30"
IF: Equip Problems
FF: " "
No BB
Rec: 45' M
360' OGCM
IFP: 170-225#
FFP: 243-280#
SIP: 1154-1128#

DST #4
3908'- 3990'
15-45-0-0"
IF:
ISI:
FF: NO Blow
Rec: 240' M,
180' OGCM
IFP: 256-295#
FFP: 0#
SIP: 1210#

DST #5
3916'- 4027'
30-30-30-30"
IF: Equip Problems
FF: " "
No BB
Rec: 45' M
360' OGCM
IFP: 110-276#
FFP: 280-370#
SIP: 1211-1210#

DST #6
4354'- 4407'
30-30-30-30"
IF: 8"
ISI: NO BB
FF: 4"
FSI: NO BB
Rec: 240' M,
180' OGCM
IFP: 70-146#
FFP: 152-198#
SIP: 1203-1172#

Geological Descriptions

Sh., gy, gummy soft

Ls., wh, gy, vf gr p intgran Por, no show

Sh., gy, rd, bm, soft

Ls., wh, sdy, soft, no show

Ls., gy, wh, soft, chily, no odr

Sh., blk fis

Sh., gy, lt gy, soft

Ls., cm, vf gr p intgran Por, vug, barren, no odr

Sh., gy, bm, soft

Sh., blk

Ls., wh, cm, sdy IP, fr intgran Por soft no show, no odr

Ls., gy, soft, shaly, barren

Ls., wh, chily

Sh., blk soft

Sh., gy, gm, silty, soft

Ls., gy, tn, soft, p intgran Por, PSFO - ft odr

Ls., cm, Ool, fr intgran Por, FSFO, - md - dk bm, oil, fr odr

Ls., cm, re-xtl Ool, dnse, vug, p intgran Por, SSFO, ft odr

Sh., gy, lt gy

Ls., cm, vf gr p intgran Por, FSFO- med bm, oil floating in tray, fr odr

Ls., cm, vf gr, fos, p-fr intgran Por, p intrafos Por, firm, FSFO-

Ls., wh, vf gr, p-fr intgran Por, vug, p p Por, PSFO- dk bm, gd odr

Ls., wh, chily, fr intgran Por, sil gas odr, no show

Ls., wh, cm, soft, no show

Sh., blk dk gy

Sh., gy

Ls., gy, vf gr p intgran Por, SSFO upon crush, lt bm, droplets, ft odr

Sh., gy

Ls., wh, vf gr, p intgran Por, occ fr intgran Por, SSFO upon crush - lt bm droplets, ft odr

Ls., cm, gy Ool, p-fr intOol Por, vug, GSFO- med bm, oil, oil floating in tray, gd odr

Sh., blk dk gy, soft

Ls., wh, vf gr, Ool IP, sil dolc, mostly dnse, vug, PSFO upon crush, ft odr

Ls., gy, dk gy, dnse, no show

Sh., gy, silty

Siltstone, gy, frosty wh, lt gy, fr intgran Por, fr, sil gils strn?, sil odr

Sh., gy, silty

Ls., gy, bm, fos p intgran Por, dnse, no show

Sh., gy, silty, bm, rd

Ls., wh, vf gr, p intgran Por, vug, gils, sil gas bubble, gassy odr?

Sh., rd, bm, gy

Ls., bm, gy, xf gr, dnse, sil gils strn? no odr

Sh., gy, gummy soft

Ls., wh, gy, vf gr, p intgran Por, vug, no show

Sh., gy, lt gy, silty, Pyr

Ls., gy, lt gy, sil dolc, vf gr, p intgran Por, firm, sil chily, no show

Ls., gy, vf gr, p intgran Por, dnse, no show

Ls., gy, shaly, p-fr intgran Por, fr, barren, no odr

Sh., blk, gy, soft

Ls., lt gy, dnse, p vis Por, hd

Sh., blk

Sh., dk gy

Sh., gy

Ls., wh, gy, dnse

Sh., blk, gy

Sh., varic

Sh., blk, gy, dk gy

Sh., gy, dk gy, purp, rd, gm

Cht., yel wh, sil westh, gas bubble, no odr

Cht., wh, fresh Sharp

Cht., wh, gy, yel, spic, sil weath, gas bubble, no odr

Curve Track 1

ROP (Min/ft)
Gamma (API)

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Satchell Creek Petroleum, LLC

Worcester A #1-34

34-10S-25W

Graham County, KS

KB: 2277'

RTD: 4404'

LTD: 4407'



DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina
Wichita, KS 67205

ATTN: Sean Deenihan & Chri

Hobbs 1-34

Graham 34-10S-25W

Start Date: 2023.08.07 @ 11:16:35

End Date: 2023.08.07 @ 18:06:05

Job Ticket #: 01598 DST #: 1

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

Printed: 2023.08.12 @ 11:18:18



DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 1

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.07 @ 11:16:35

GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 18:06:05

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Interval: **3758.00 ft (KB) To 3810.00 ft (KB) (TVD)**

Total Depth: 3810.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2479.00 ft (KB)

2471.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 9139

Press@RunDepth: psig @ ft (KB)

Start Date: 2023.08.07 End Date: 2023.08.07

Start Time: 11:17:35 End Time: 18:06:05

Capacity: 5000.00 psig

Last Calib.: 1899.12.30

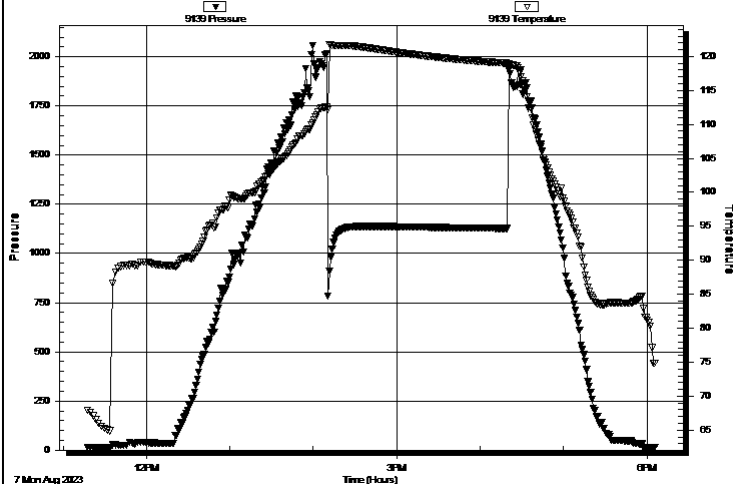
Time On Btm:

Time Off Btm:

TEST COMMENT: MISRUN: TOOL PLUGGED

IO: 10" steady blow in 30 mins. Got there right away when tool opened and held steady

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

ATTN: Sean Deenihan & Chri

Job Ticket: 01598

DST#: 1

Test Start: 2023.08.07 @ 11:16:35

GENERAL INFORMATION:

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Total Depth: 3810.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2479.00 ft (KB)

2471.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 9119

Press@RunDepth: psig @ ft (KB)

Start Date: 2023.08.07

End Date:

2023.08.07

Capacity: psig

Last Calib.:

1899.12.30

Start Time: 11:17:29

End Time:

19:11:22

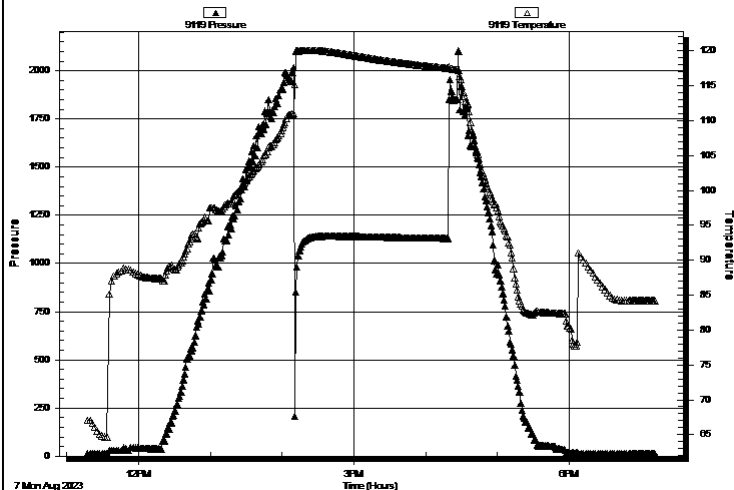
Time On Btm:

Time Off Btm:

TEST COMMENT: MISRUN: TOOL PLUGGED

IO: 10" steady blow in 30 mins. Got there right away when tool opened and held steady

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 1

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.07 @ 11:16:35

Tool Information

Drill Pipe:	Length:	3748.00 ft	Diameter:	inches	Volume:	3640892 bbl	Tool Weight:	10000.00 lb		
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb		
Drill Collar:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight to Pull Loose:	53000.00 lb		
						Total Volume:	3640892 bbl	Tool Chased	2.00 ft	
Drill Pipe Above KB:	18.50 ft								String Weight: Initial	46000.00 lb
Depth to Top Packer:	3758.00 ft								Final	48000.00 lb
Depth to Bottom Packer:	ft									
Interval between Packers:	52.00 ft									
Tool Length:	80.50 ft									
Number of Packers:	2		Diameter:	6.75 inches						
Tool Comments:										

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3734.50	
Hydraulic tool	6.00			3740.50	
Jars	4.00			3744.50	
Safety Joint	2.50			3747.00	
Top Packer	6.50			3753.50	
Packer	4.50			3758.00	28.50 Bottom Of Top Packer
Change Over Sub	0.75			3758.75	
Drill Pipe	31.50			3790.25	
Change Over Sub	0.75			3791.00	
Anchor	14.00			3805.00	
Recorder	0.00	9119	Inside	3805.00	
Recorder	0.00	9139	Outside	3805.00	
Bullnose	5.00			3810.00	52.00 Anchor Tool

Total Tool Length: 80.50



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 1

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.07 @ 11:16:35

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Drilling Mud	

Total Length: 90.00 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 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 1

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.07 @ 11:16:35

Gas Rates Information

Temperature: 59 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

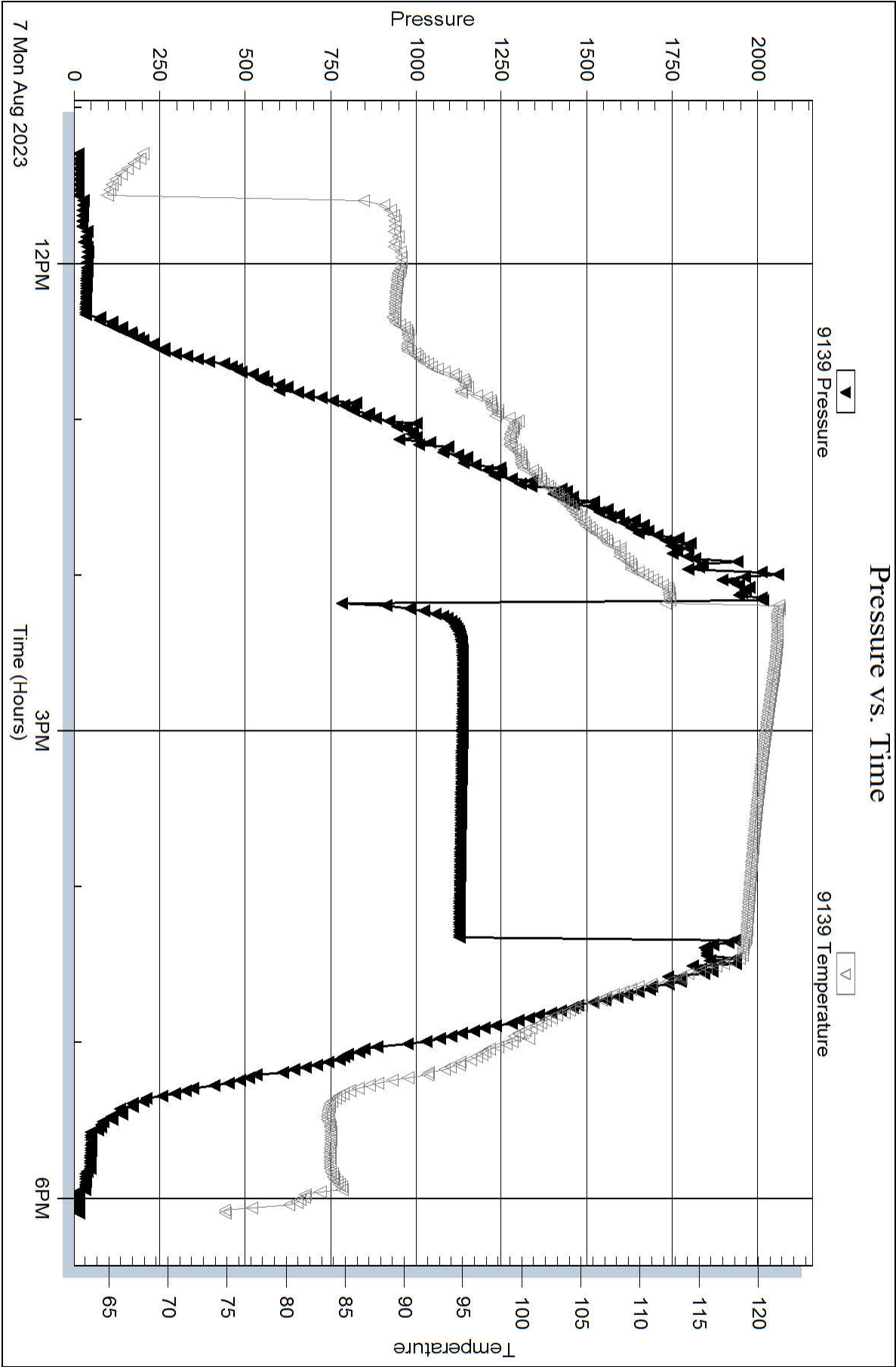
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

Serial #: 9139

Satchell Creek Petroleum

Hobbs 1-34

DST Test Number: 1

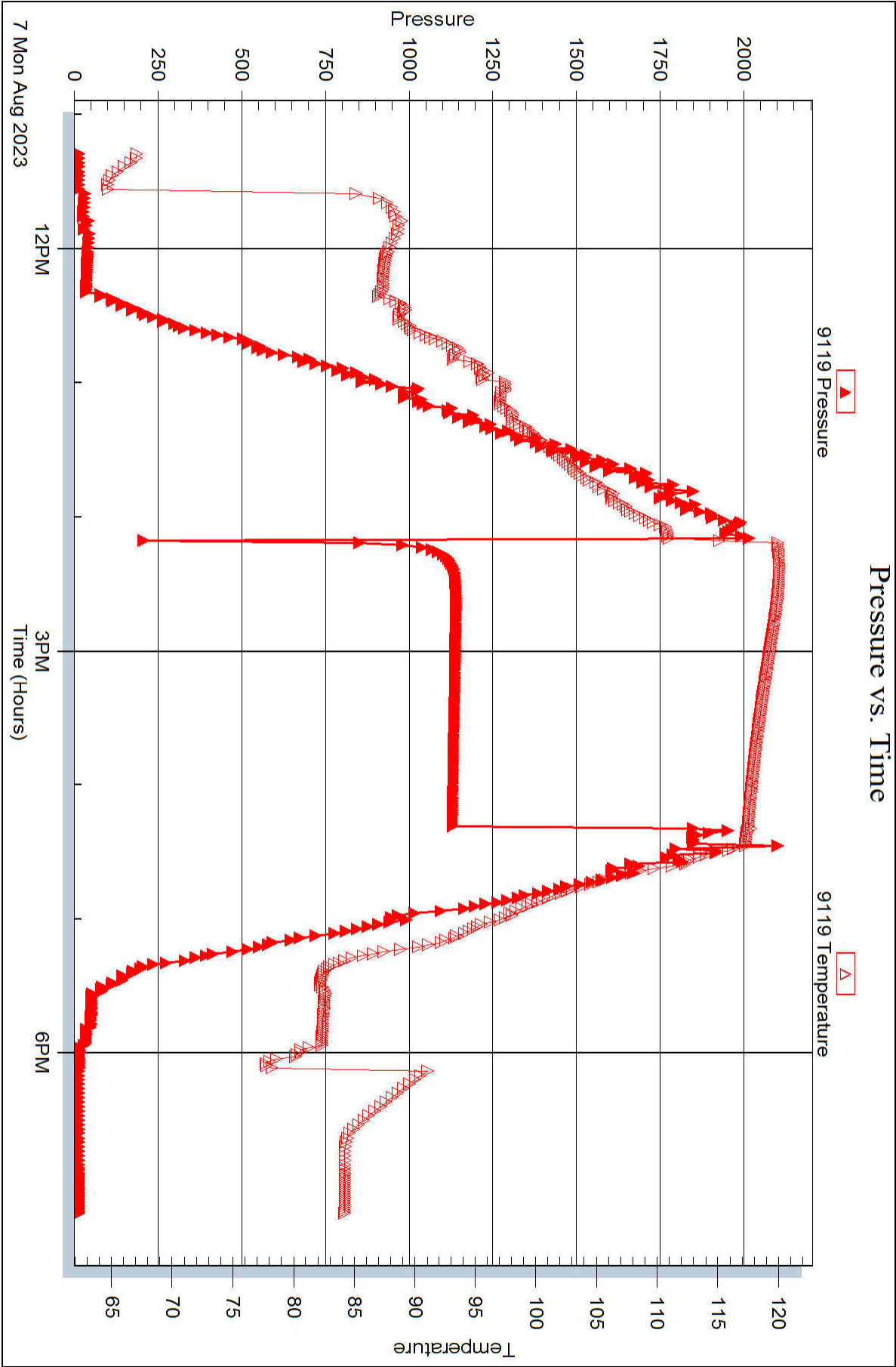


Serial #: 9119

Satchell Creek Petroleum

Hobbs 1-34

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina
Wichita, KS 67205

ATTN: Sean Deenihan & Chri

Hobbs 1-34

Graham 34-10S-25W

Start Date: 2023.08.09 @ 00:00:00

End Date:

Job Ticket #: 01598

DST #: 2

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

Printed: 2023.08.12 @ 11:17:33

Satchell Creek Petroleum

Graham 34-10S-25W

Hobbs 1-34

DST # 2

Toronto - Lansing D

2023.08.09



DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 2

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.09 @ 00:00:00

GENERAL INFORMATION:

Formation: **Toronoto - Lansing D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad FGeist

Unit No: 1

Interval: **3756.00 ft (KB) To 3844.00 ft (KB) (TVD)**

Total Depth: 3844.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2479.00 ft (KB)

2471.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **9139** Outside

Press@RunDepth: 343.73 psig @ 3839.00 ft (KB)

Start Date: 2023.08.08

End Date:

2023.08.08

Start Time: 07:02:03

End Time:

14:44:03

Capacity: 5000.00 psig

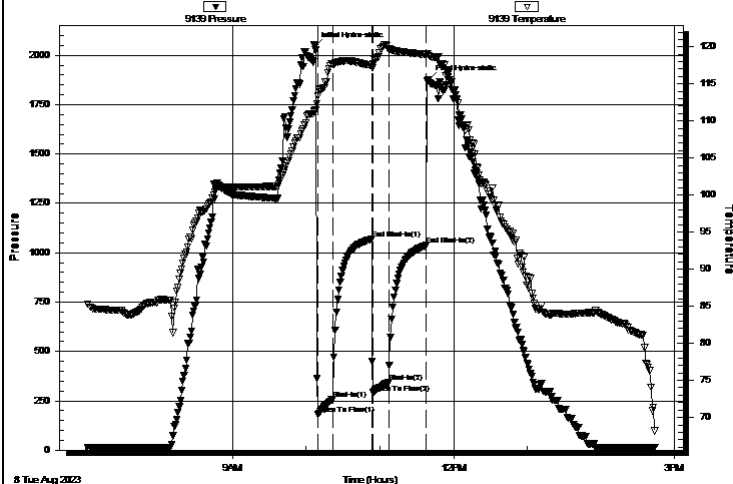
Last Calib.: 1899.12.30

Time On Btm: 2023.08.08 @ 10:07:03

Time Off Btm: 2023.08.08 @ 11:39:33

TEST COMMENT: Surface Equipment Failure Blow Not Accurate

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2041.99	111.22	Initial Hydro-static
3	180.79	113.34	Open To Flow (1)
15	259.10	117.61	Shut-In(1)
46	1068.85	117.52	End Shut-In(1)
47	290.70	117.22	Open To Flow (2)
60	343.73	119.74	Shut-In(2)
91	1037.10	118.97	End Shut-In(2)
93	1875.88	118.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	3%O 97%DM	
180.00	20%O 10%W 70%DM 20%G	
240.00	30%O 10%W 60%DM 20%G	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

ATTN: Sean Deenihan & Chri

Job Ticket: 01598

DST#: 2

Test Start: 2023.08.09 @ 00:00:00

GENERAL INFORMATION:

Formation: **Toronoto - Lansing D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad FGeist

Unit No: 1

Interval: **3756.00 ft (KB) To 3844.00 ft (KB) (TVD)**

Total Depth: 3844.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2479.00 ft (KB)

2471.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 9119

Press@RunDepth: psig @ ft (KB)

Start Date: 2023.08.08

End Date:

2023.08.08

Start Time: 06:47:21

End Time:

15:09:44

Capacity: psig

Last Calib.:

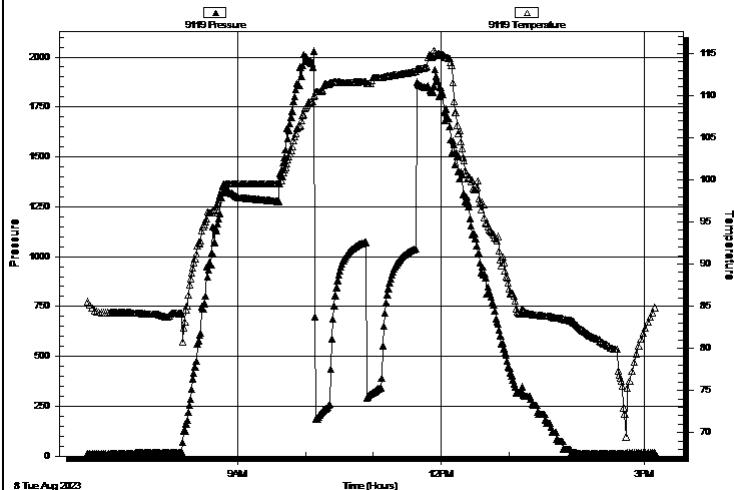
1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: Surface Equipment Failure Blow Not Accurate

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
240.00	3%O 97%DM	
180.00	20%O 10%W 70%DM 20%G	
240.00	30%O 10%W 60%DM 20%G	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 2

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.09 @ 00:00:00

Tool Information

Drill Pipe:	Length:	3743.00 ft	Diameter:	inches	Volume:	3636035 bbl	Tool Weight:	10000.00 lb		
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb		
Drill Collar:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight to Pull Loose:	54000.00 lb		
						Total Volume:	3636035 bbl	Tool Chased	2.00 ft	
Drill Pipe Above KB:	15.50 ft								String Weight: Initial	48000.00 lb
Depth to Top Packer:	3756.00 ft								Final	50000.00 lb
Depth to Bottom Packer:	ft									
Interval between Packers:	88.00 ft									
Tool Length:	116.50 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			3732.50	
Hydraulic tool	6.00			3738.50	
Jars	4.00			3742.50	
Safety Joint	2.50			3745.00	
Top Packer	6.50			3751.50	
Packer	4.50			3756.00	28.50 Bottom Of Top Packer
Change Over Sub	0.75			3756.75	
Drill Pipe	62.50			3819.25	
Change Over Sub	0.75			3820.00	
Anchor	19.00			3839.00	
Recorder	0.00	9119	Inside	3839.00	
Recorder	0.00	9139	Outside	3839.00	
Bullnose	5.00			3844.00	88.00 Anchor Tool

Total Tool Length: 116.50



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 2

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.09 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 7.19 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
240.00	3%O 97%DM	
180.00	20%O 10%W 70%DM 20%G	
240.00	30%O 10%W 60%DM 20%G	

Total Length: 660.00 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 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 2

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.09 @ 00:00:00

Gas Rates Information

Temperature: 59 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

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

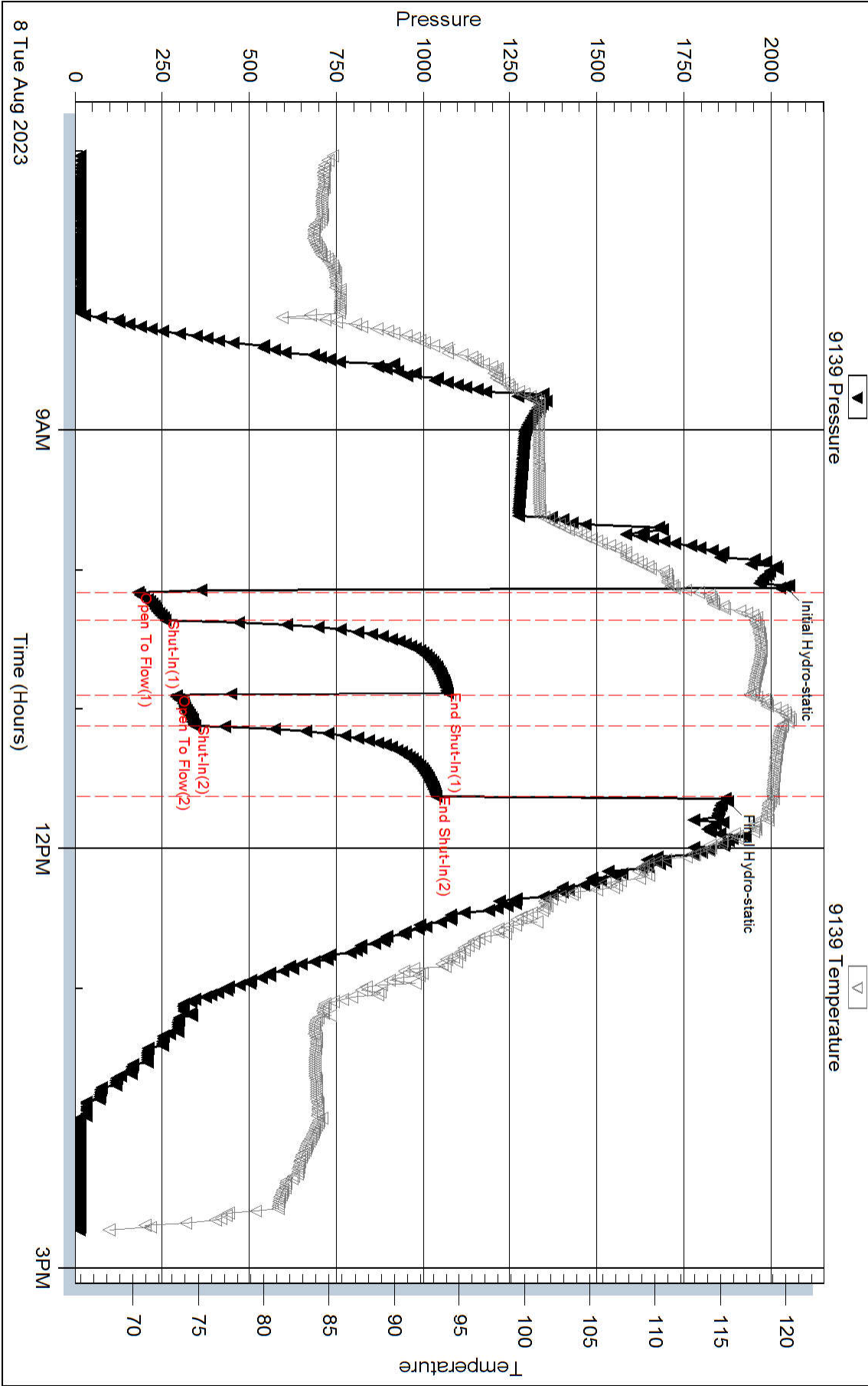
Serial #: 9139

Outside Satchell Creek Petroleum

Hobbs 1-34

DST Test Number: 2

Pressure vs. Time

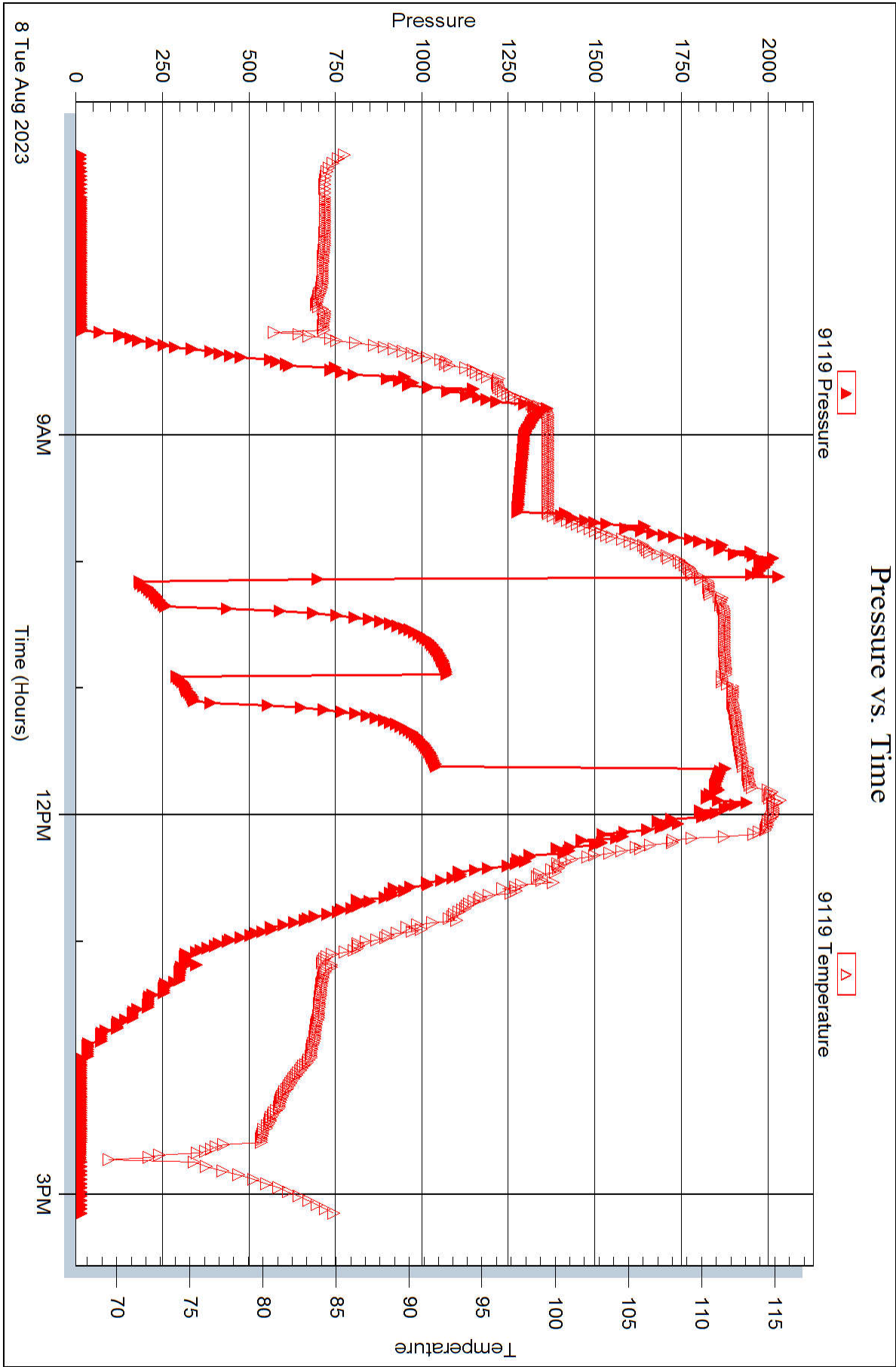


Serial #: 9119

Satchell Creek Petroleum

Hobbs 1-34

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina
Wichita, KS 67205

ATTN: Sean Deenihan & Chri

Hobbs 1-34

Graham 34-10S-25W

Start Date: 2023.08.09 @ 19:05:26

End Date: 2023.08.10 @ 09:41:19

Job Ticket #: 01598 DST #: 3

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

Printed: 2023.08.12 @ 11:16:53



DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

ATTN: Sean Deenihan & Chri

Job Ticket: 01598

DST#: 3

Test Start: 2023.08.09 @ 19:05:26

GENERAL INFORMATION:

Formation: **Lansing E - F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:25:26

Time Test Ended: 09:41:19

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Interval: **3850.00 ft (KB) To 3880.00 ft (KB) (TVD)**

Reference Elevations: 2479.00 ft (KB)

Total Depth: 3880.00 ft (KB) (TVD)

2471.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 9139

Press@RunDepth: 279.82 psig @ ft (KB)

Capacity: psig

Start Date: 2023.08.09

End Date:

2023.08.09

Last Calib.: 1899.12.30

Start Time: 14:46:26

End Time:

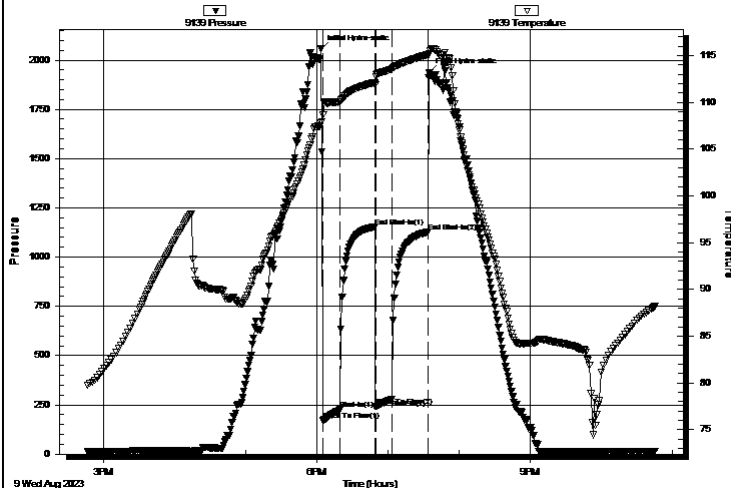
22:45:49

Time On Btm: 2023.08.09 @ 18:03:26

Time Off Btm: 2023.08.09 @ 19:34:56

TEST COMMENT: SURFACE EQUIPMENT FAILURE BLOW NOT ACCURATE

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2055.24	107.76	Initial Hydro-static
2	170.14	108.71	Open To Flow (1)
16	225.72	110.09	Shut-In(1)
46	1154.29	112.07	End Shut-In(1)
47	242.60	112.70	Open To Flow (2)
60	279.82	113.56	Shut-In(2)
91	1127.90	115.12	End Shut-In(2)
92	1933.93	115.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	DM	
120.00	25%O 5%W 60%DM 10%G	
120.00	15%O 30%W 40%DM 15%G Chlorides	36,000
120.00	15%O 40%W 15%DM 30%G	
	Tool Sample: 80%O 20%W	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 3

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.09 @ 19:05:26

GENERAL INFORMATION:

Formation: **Lansing E - F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:25:26

Time Test Ended: 09:41:19

Interval: **3850.00 ft (KB) To 3880.00 ft (KB) (TVD)**

Total Depth: 3880.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Reference Elevations: 2479.00 ft (KB)

2471.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 9119

Press@RunDepth: psig @ ft (KB)

Start Date: 2023.08.09 End Date: 2023.08.09

Start Time: 14:55:17 End Time: 22:42:10

Capacity: psig

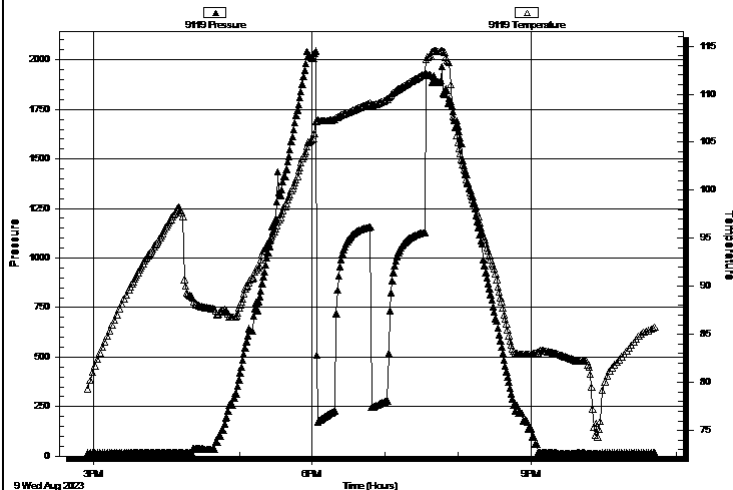
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: SURFACE EQUIPMENT FAILURE BLOW NOT ACCURATE

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
45.00	DM	
120.00	25%O 5%W 60%DM 10%G	
120.00	15%O 30%W 40%DM 15%G Chlorides	36,000
120.00	15%O 40%W 15%DM 30%G	
	Tool Sample: 80%O 20%W	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 3

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.09 @ 19:05:26

Tool Information

Drill Pipe:	Length:	3841.00 ft	Diameter:	inches	Volume:	3731234 bbl	Tool Weight:	10000.00 lb	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb	
Drill Collar:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight to Pull Loose:	56000.00 lb	
						Total Volume:	3731234 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	19.50 ft						String Weight: Initial	48000.00 lb	
Depth to Top Packer:	3850.00 ft						Final	52000.00 lb	
Depth to Bottom Packer:	ft								
Interval between Packers:	30.00 ft								
Tool Length:	58.50 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			3826.50	
Hydraulic tool	6.00			3832.50	
Jars	4.00			3836.50	
Safety Joint	2.50			3839.00	
Top Packer	6.50			3845.50	
Packer	4.50			3850.00	28.50 Bottom Of Top Packer
Anchor	25.00			3875.00	
Recorder	0.00	9119	Inside	3875.00	
Recorder	0.00	9139	Outside	3875.00	
Bullnose	5.00			3880.00	30.00 Anchor Tool
Total Tool Length:	58.50				



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 3

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.09 @ 19:05:26

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 7.19 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
45.00	DM	
120.00	25%O 5%W 60%DM 10%G	
120.00	15%O 30%W 40%DM 15%G Chlorides 36,000	
120.00	15%O 40%W 15%DM 30%G	
	Tool Sample: 80%O 20%W	

Total Length: -999594.00 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 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 3

ATTN: Sean Deenihan & Chri

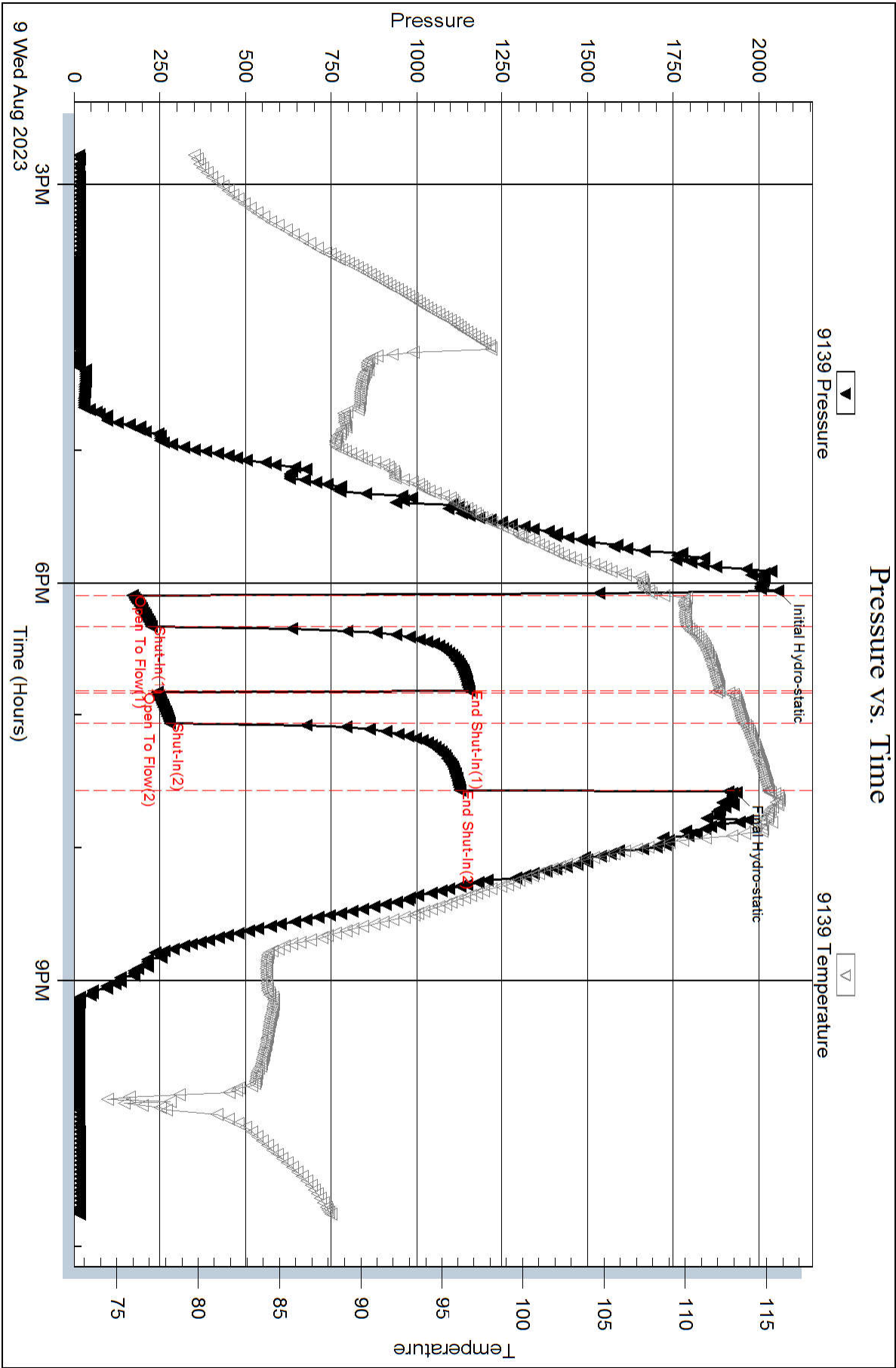
Test Start: 2023.08.09 @ 19:05:26

Gas Rates Information

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

Gas Rates Table

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

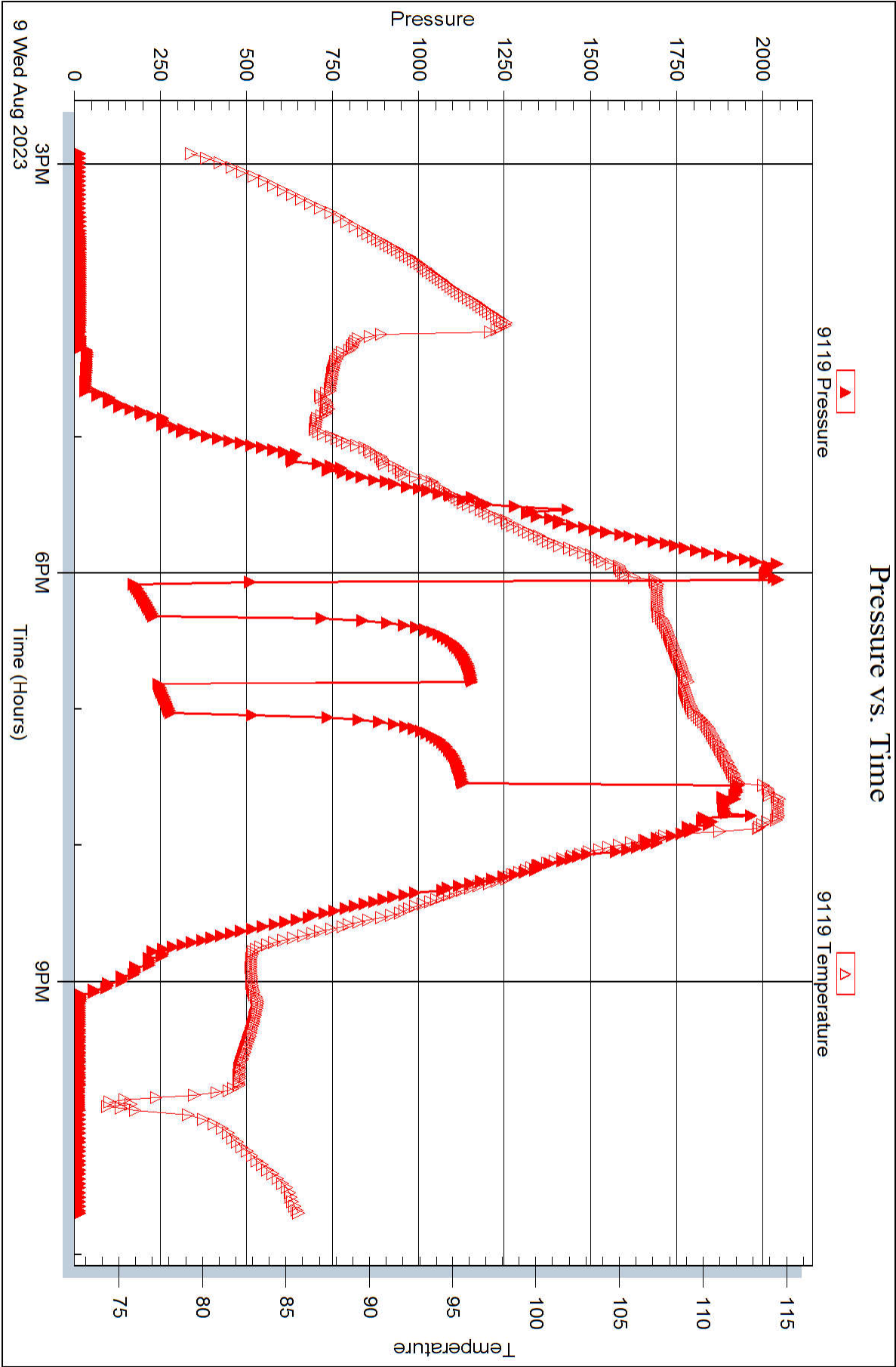


Serial #: 9119

Satchell Creek Petroleum

Hobbs 1-34

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina
Wichita, KS 67205

ATTN: Sean Deenihan & Chri

Hobbs 1-34

Graham 34-10S-25W

Start Date: 2023.08.09 @ 18:55:47

End Date: 2023.08.10 @ 09:31:40

Job Ticket #: 01598 DST #: 4

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

Printed: 2023.08.12 @ 11:16:10



DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 4

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.09 @ 18:55:47

GENERAL INFORMATION:

Formation: **Lansing I - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:03:40

Time Test Ended: 09:31:40

Interval: **3908.00 ft (KB) To 3990.00 ft (KB) (TVD)**

Total Depth: 3990.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Reference Elevations: 2479.00 ft (KB)

2471.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 9139

Press@RunDepth: 295.12 psig @ ft (KB)

Start Date: 2023.08.10

End Date:

2023.08.10

Start Time: 02:49:40

End Time:

09:31:40

Capacity: psig

Last Calib.: 1899.12.30

Time On Btm: 2023.08.10 @ 05:57:40

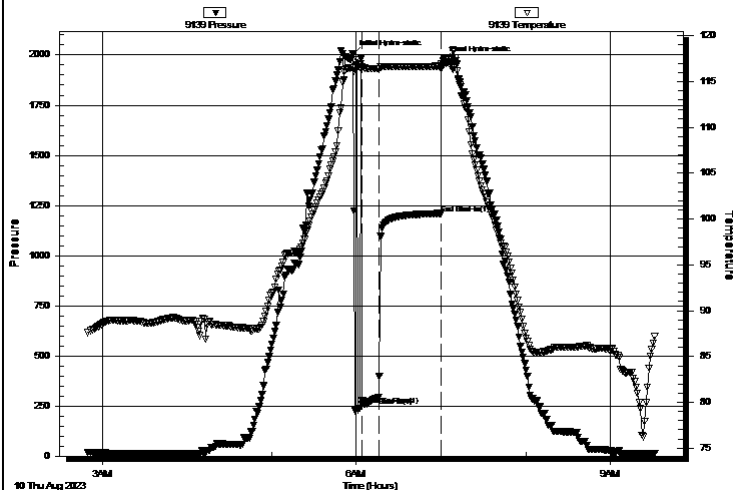
Time Off Btm: 2023.08.10 @ 07:01:10

TEST COMMENT: Surface Equipment Failure:

Initial Opening: Surface Blow

BB:N/A

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2000.53	116.49	Initial Hydro-static
6	256.28	116.60	Open To Flow (1)
18	295.12	116.39	Shut-In(1)
62	1210.14	116.71	End Shut-In(1)
64	1970.44	116.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	DM	
180.00	50%O 30%W 5%G 15%DM ---- Chlorides	36.00
0.00	TOOL SAMPLE: 25%O 10%W 55%G 20%DM	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 4

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.09 @ 18:55:47

GENERAL INFORMATION:

Formation: **Lansing I - J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:03:40

Time Test Ended: 09:31:40

Interval: **3908.00 ft (KB) To 3990.00 ft (KB) (TVD)**

Total Depth: 3990.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Reference Elevations: 2479.00 ft (KB)

2471.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 9119

Press@RunDepth: psig @ ft (KB)

Start Date: 2023.08.10

End Date:

2023.08.10

Capacity: psig

Last Calib.:

1899.12.30

Start Time: 03:19:51

End Time:

09:31:51

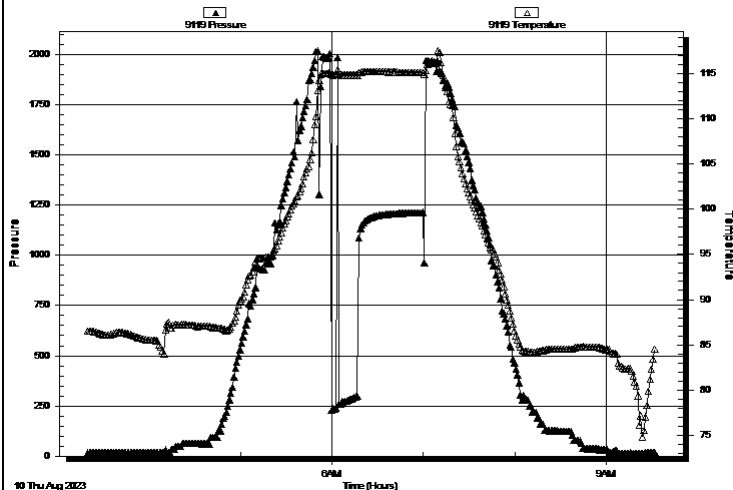
Time On Btm:

Time Off Btm:

TEST COMMENT: Surface Equipment Failure:

Initial Opening: Surface Blow
BB:N/A

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
240.00	DM	
180.00	50%O 30%W 5%G 15%DM ---- Chlorides	36.00
0.00	TOOL SAMPLE: 25%O 10%W 55%G 20%DM	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 4

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.09 @ 18:55:47

Tool Information

Drill Pipe:	Length:	3910.00 ft	Diameter:	inches	Volume:	3798262 bbl	Tool Weight:	10000.00 lb		
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb		
Drill Collar:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight to Pull Loose:	56000.00 lb		
						Total Volume:	3798262 bbl	Tool Chased	2.00 ft	
Drill Pipe Above KB:	30.50 ft						String Weight: Initial	49000.00 lb	Final	lb
Depth to Top Packer:	3908.00 ft									
Depth to Bottom Packer:	ft									
Interval between Packers:	82.50 ft									
Tool Length:	111.00 ft									
Number of Packers:	2		Diameter:	6.75 inches						
Tool Comments:										

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3884.50	
Hydraulic tool	6.00			3890.50	
Jars	4.00			3894.50	
Safety Joint	2.50			3897.00	
Top Packer	6.50			3903.50	
Packer	4.50			3908.00	28.50 Bottom Of Top Packer
Change Over Sub	0.75			3908.75	
Drill Pipe	31.00			3939.75	
Change Over Sub	0.75			3940.50	
Anchor	45.00			3985.50	
Recorder	0.00	9119	Inside	3985.50	
Recorder	0.00	9139	Outside	3985.50	
Bullnose	5.00			3990.50	82.50 Anchor Tool

Total Tool Length: 111.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 4

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.09 @ 18:55:47

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	DM	
180.00	50%O 30%W 5%G 15%DM---- Chlorides	36.00
0.00	TOOL SAMPLE: 25%O 10%W 55%G 20%DM	

Total Length: 420.00 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 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 4

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.09 @ 18:55:47

Gas Rates Information

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

Gas Rates Table

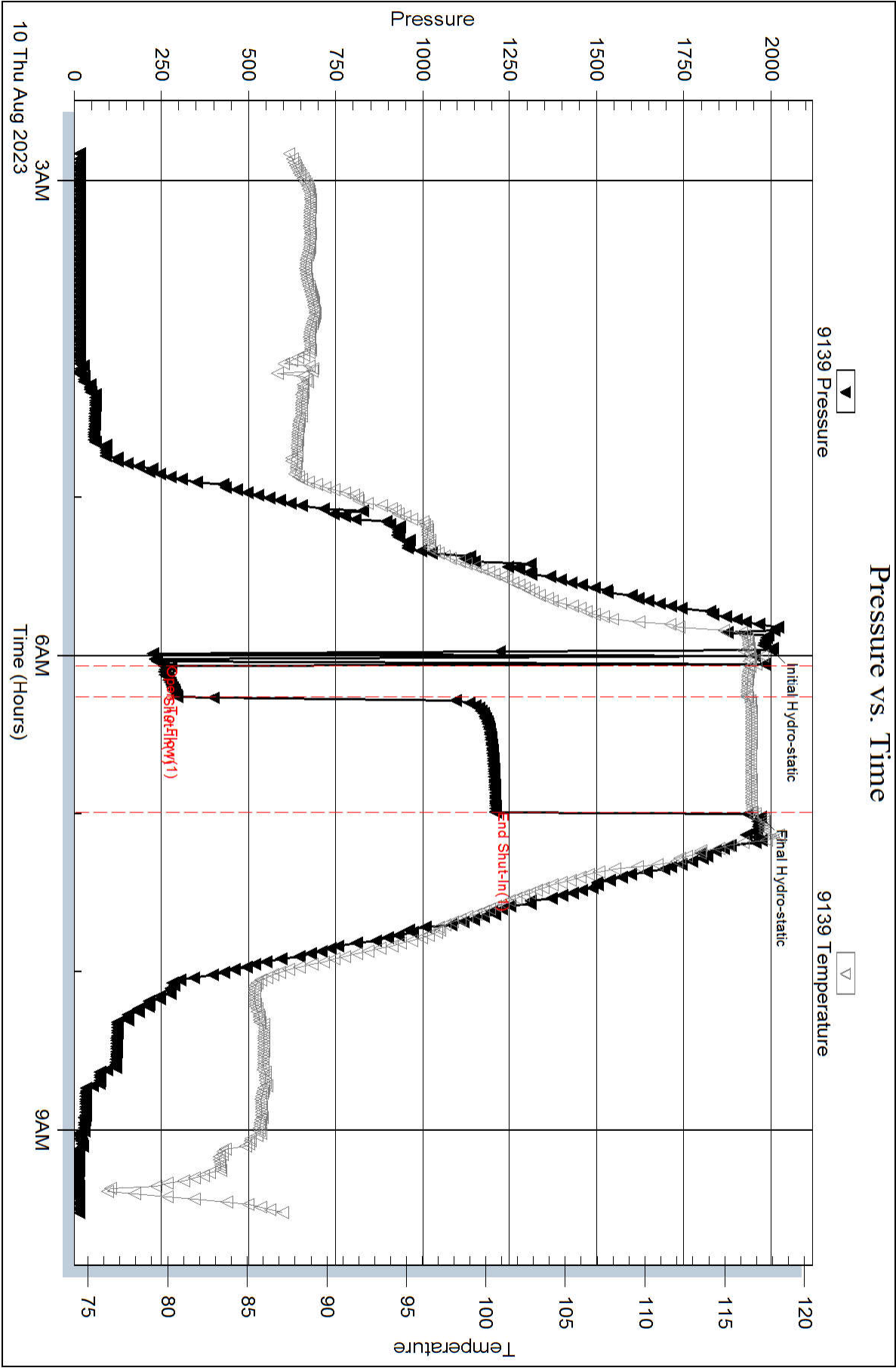
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
		0.00	0.00	0.00

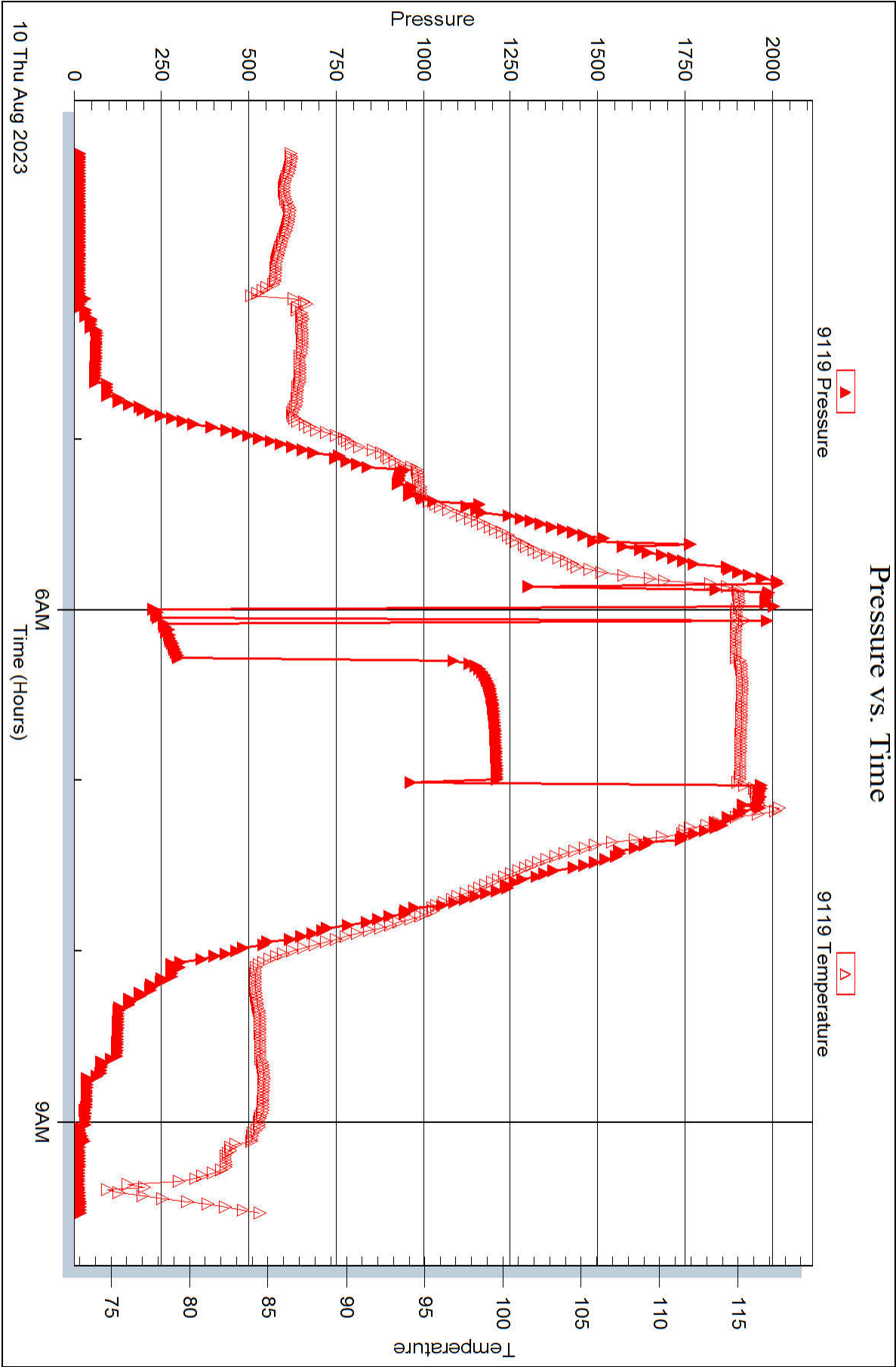
Serial #: 9139

Satchell Creek Petroleum

Hobbs 1-34

DST Test Number: 4







DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina
Wichita, KS 67205

ATTN: Sean Deenihan & Chri

Hobbs 1-34

Graham 34-10S-25W

Start Date: 2023.08.12 @ 09:47:40

End Date: 2023.08.12 @ 18:30:10

Job Ticket #: 01598 DST #: 5

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

Printed: 2023.08.12 @ 11:15:26



DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 5

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.12 @ 09:47:40

GENERAL INFORMATION:

Formation: **Lansing H-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:00:10

Time Test Ended: 18:30:10

Interval: **3916.00 ft (KB) To 4027.00 ft (KB) (TVD)**

Total Depth: 4027.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Reference Elevations: 2479.00 ft (KB)

2471.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **9139** Outside

Press@RunDepth: 369.80 psig @ 4022.50 ft (KB)

Start Date: 2023.08.12

End Date:

2023.08.12

Start Time: 09:47:40

End Time:

18:30:10

Capacity: psig

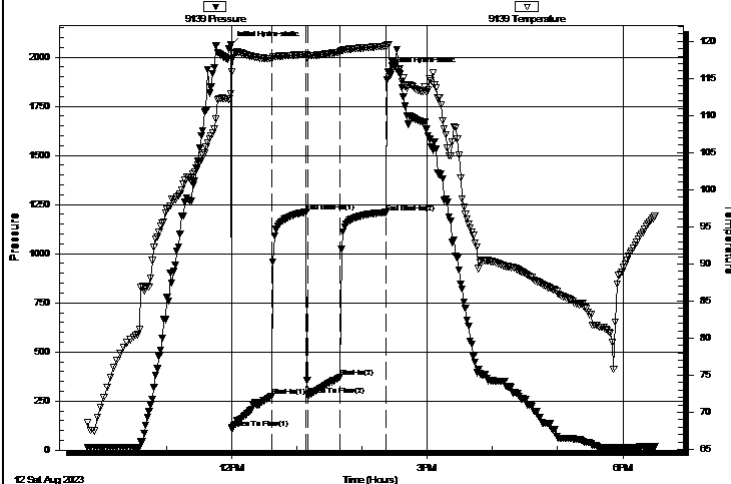
Last Calib.: 1899.12.30

Time On Btm: 2023.08.12 @ 11:59:10

Time Off Btm: 2023.08.12 @ 14:23:40

TEST COMMENT: Surface Equipment Failure Blow Not Accurate

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2061.23	112.99	Initial Hydro-static
1	110.24	115.85	Open To Flow (1)
38	275.81	117.70	Shut-In(1)
70	1211.47	118.28	End Shut-In(1)
72	280.07	118.06	Open To Flow (2)
101	369.80	118.56	Shut-In(2)
143	1210.02	119.37	End Shut-In(2)
145	1926.28	119.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	DM	
180.00	30%O 25%W 30%G 15%DM	
360.00	50%O 20%W 20%G 10%DM	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 5

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.12 @ 09:47:40

GENERAL INFORMATION:

Formation: **Lansing H-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:00:10

Time Test Ended: 18:30:10

Interval: **3916.00 ft (KB) To 4027.00 ft (KB) (TVD)**

Total Depth: 4027.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Reference Elevations: 2479.00 ft (KB)

2471.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **9119** Inside

Press@RunDepth: psig @ 4022.50 ft (KB)

Start Date: 2023.08.12

End Date:

2023.08.12

Capacity: psig

Last Calib.:

1899.12.30

Start Time: 09:47:08

End Time:

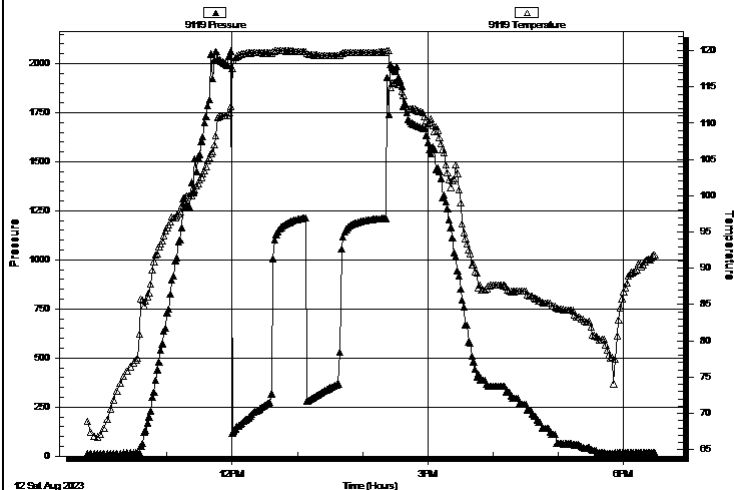
18:29:38

Time On Btm:

Time Off Btm:

TEST COMMENT: Surface Equipment Failure Blow Not Accurate

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
90.00	DM	
180.00	30%O 25%W 30%G 15%DM	
360.00	50%O 20%W 20%G 10%DM	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 5

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.12 @ 09:47:40

Tool Information

Drill Pipe:	Length:	3910.00 ft	Diameter:	inches	Volume:	3798262 bbl	Tool Weight:	10000.00 lb	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb	
Drill Collar:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight to Pull Loose:	62000.00 lb	
						Total Volume:	3798262 bbl	Tool Chased	2.00 ft
Drill Pipe Above KB:	22.50 ft						String Weight: Initial	52000.00 lb	
Depth to Top Packer:	3916.00 ft						Final	56000.00 lb	
Depth to Bottom Packer:	ft								
Interval between Packers:	111.50 ft								
Tool Length:	140.00 ft								
Number of Packers:	2		Diameter:	6.75 inches					
Tool Comments:									

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3892.50	
Hydraulic tool	6.00			3898.50	
Jars	4.00			3902.50	
Safety Joint	2.50			3905.00	
Top Packer	6.50			3911.50	
Packer	4.50			3916.00	28.50 Bottom Of Top Packer
Change Over Sub	0.75			3916.75	
Drill Pipe	63.00			3979.75	
Change Over Sub	0.75			3980.50	
Anchor	42.00			4022.50	
Recorder	0.00	9119	Inside	4022.50	
Recorder	0.00	9139	Outside	4022.50	
Bullnose	5.00			4027.50	111.50 Anchor Tool

Total Tool Length: 140.00



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 5

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.12 @ 09:47:40

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	DM	
180.00	30%O 25%W 30%G 15%DM	
360.00	50%O 20%W 20%G 10%DM	

Total Length: 630.00 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 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 5

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.12 @ 09:47:40

Gas Rates Information

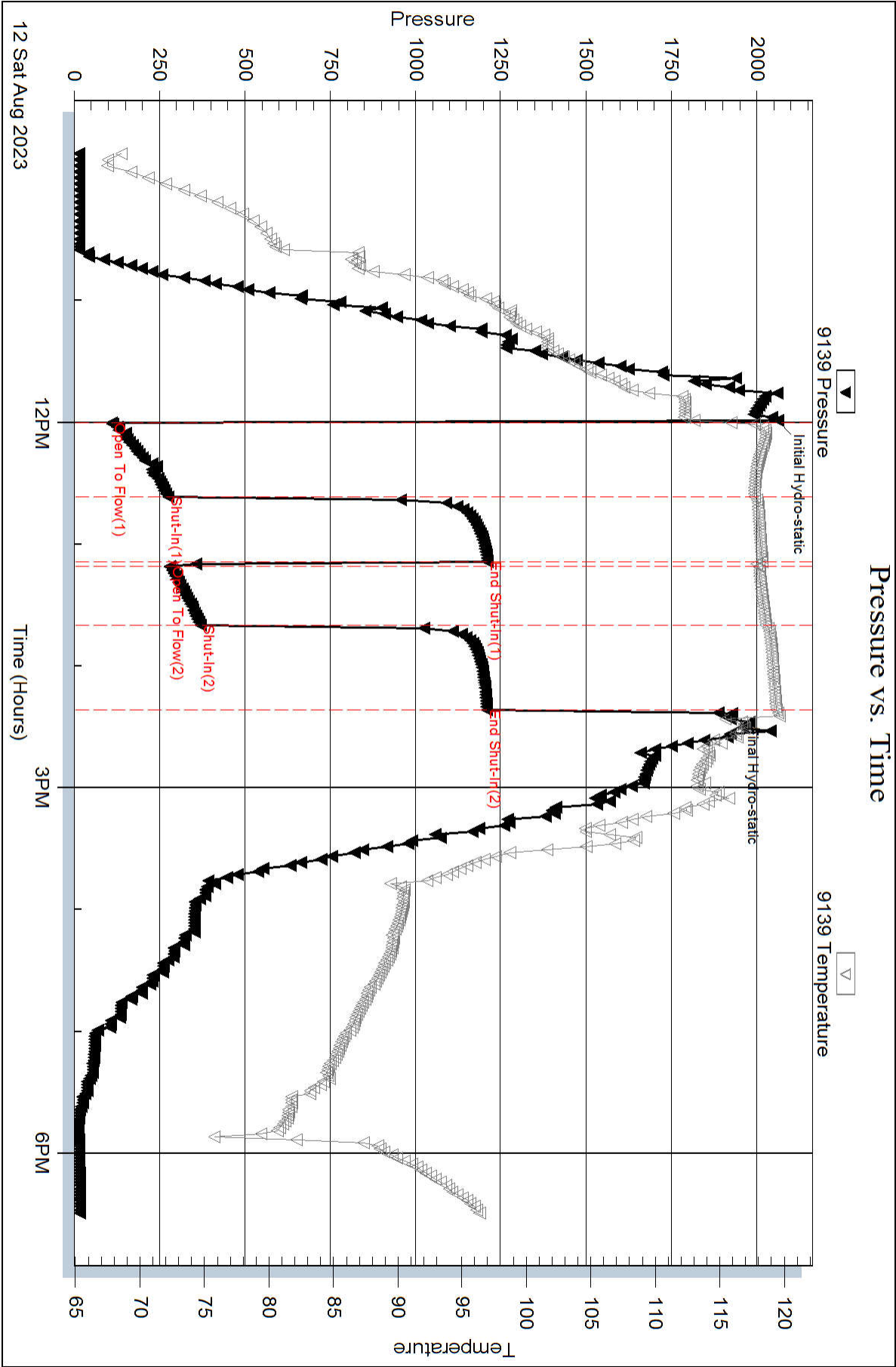
Temperature: 59 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

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



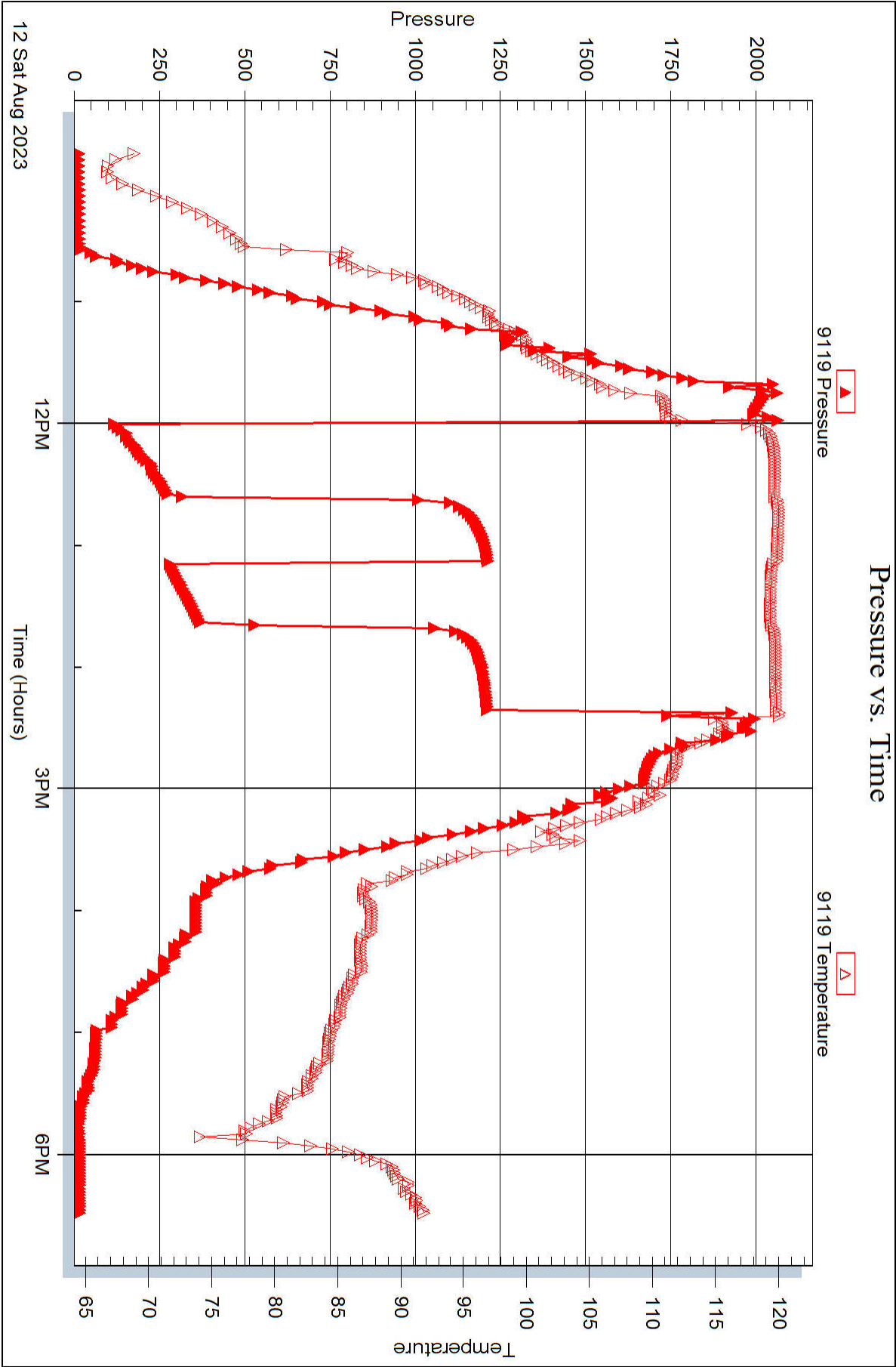
Serial #: 9119

Inside

Satchell Creek Petroleum

Hobbs 1-34

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina
Wichita, KS 67205

ATTN: Sean Deenihan & Chri

Hobbs 1-34

Graham 34-10S-25W

Start Date: 2023.08.13 @ 01:34:02

End Date: 2023.08.13 @ 08:41:25

Job Ticket #: 01598 DST #: 6

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

Printed: 2023.08.12 @ 11:14:35



DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 6

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.13 @ 01:34:02

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:24:55

Time Test Ended: 08:41:25

Interval: **4354.00 ft (KB) To 4407.00 ft (KB) (TVD)**

Total Depth: 4407.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Reference Elevations: 2479.00 ft (KB)

2471.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **9139** Outside

Press@RunDepth: 197.62 psig @ 4403.00 ft (KB)

Start Date: 2023.08.13

End Date:

2023.08.13

Start Time: 01:34:02

End Time:

08:41:25

Capacity: psig

Last Calib.: 1899.12.30

Time On Btm: 2023.08.13 @ 03:23:55

Time Off Btm: 2023.08.13 @ 05:34:55

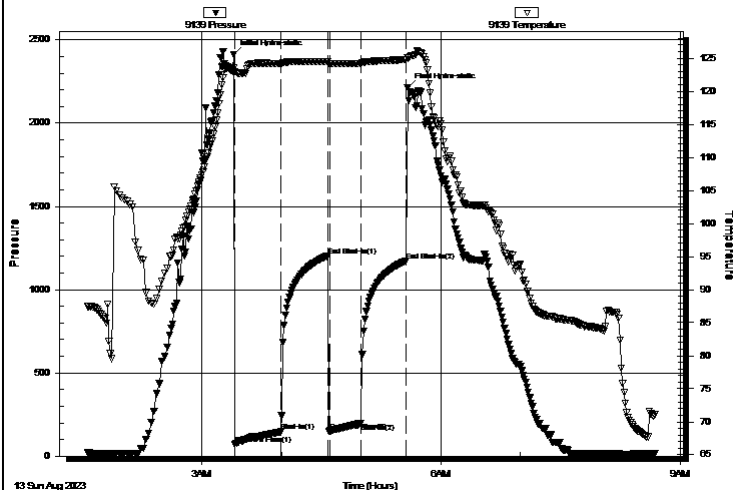
TEST COMMENT: Initial Opening: Built to 8" after 30 mins

BB: N/A

Second Opening: Built to 4"

BB: N/A

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2411.79	123.47	Initial Hydro-static
1	70.20	122.93	Open To Flow (1)
36	146.16	124.16	Shut-In(1)
71	1202.70	124.51	End Shut-In(1)
73	151.99	124.19	Open To Flow (2)
96	197.62	124.18	Shut-In(2)
130	1171.54	124.77	End Shut-In(2)
131	2213.11	125.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	WATERY DM	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 6

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.13 @ 01:34:02

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:24:55

Time Test Ended: 08:41:25

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Interval: **4354.00 ft (KB) To 4407.00 ft (KB) (TVD)**

Reference Elevations: 2479.00 ft (KB)

Total Depth: 4407.00 ft (KB) (TVD)

2471.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: **9119** Inside

Press@RunDepth: psig @ 4403.00 ft (KB)

Capacity: psig

Start Date: 2023.08.13

End Date:

2023.08.13

Last Calib.:

1899.12.30

Start Time: 02:05:46

End Time:

08:41:46

Time On Btm:

Time Off Btm:

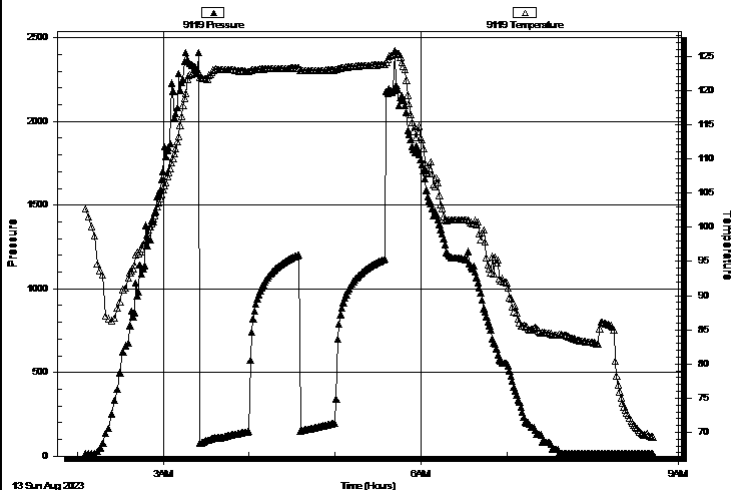
TEST COMMENT: Initial Opening: Built to 8" after 30 mins

BB: N/A

Second Opening: Built to 4"

BB: N/A

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
360.00	WATERY DM	

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 6

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.13 @ 01:34:02

Tool Information

Drill Pipe:	Length:	4350.00 ft	Diameter:	inches	Volume:	4225688 bbl	Tool Weight:	10000.00 lb		
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb		
Drill Collar:	Length:	0.00 ft	Diameter:	inches	Volume:	0.00 bbl	Weight to Pull Loose:	70000.00 lb		
						Total Volume:	4225688 bbl	Tool Chased	2.00 ft	
Drill Pipe Above KB:	24.50 ft								String Weight: Initial	54000.00 lb
Depth to Top Packer:	4354.00 ft								Final	58000.00 lb
Depth to Bottom Packer:	ft									
Interval between Packers:	54.00 ft									
Tool Length:	82.50 ft									
Number of Packers:	2		Diameter:	6.75 inches						
Tool Comments:										

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4330.50	
Hydraulic tool	6.00			4336.50	
Jars	4.00			4340.50	
Safety Joint	2.50			4343.00	
Top Packer	6.50			4349.50	
Packer	4.50			4354.00	28.50 Bottom Of Top Packer
Change Over Sub	0.75			4354.75	
Change Over Sub	0.75			4355.50	
Drill Pipe	31.50			4387.00	
Anchor	16.00			4403.00	
Recorder	0.00	9119	Inside	4403.00	
Recorder	0.00	9139	Outside	4403.00	
Bullnose	5.00			4408.00	54.00 Anchor Tool

Total Tool Length: 82.50



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

Graham 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 6

ATTN: Sean Deenihan & Chri

Test Start: 2023.08.13 @ 01:34:02

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	WATERY DM	

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 34-10S-25W

3032 N Cortina
Wichita, KS 67205

Hobbs 1-34

Job Ticket: 01598

DST#: 6

ATTN: Sean Deenihan & Chri

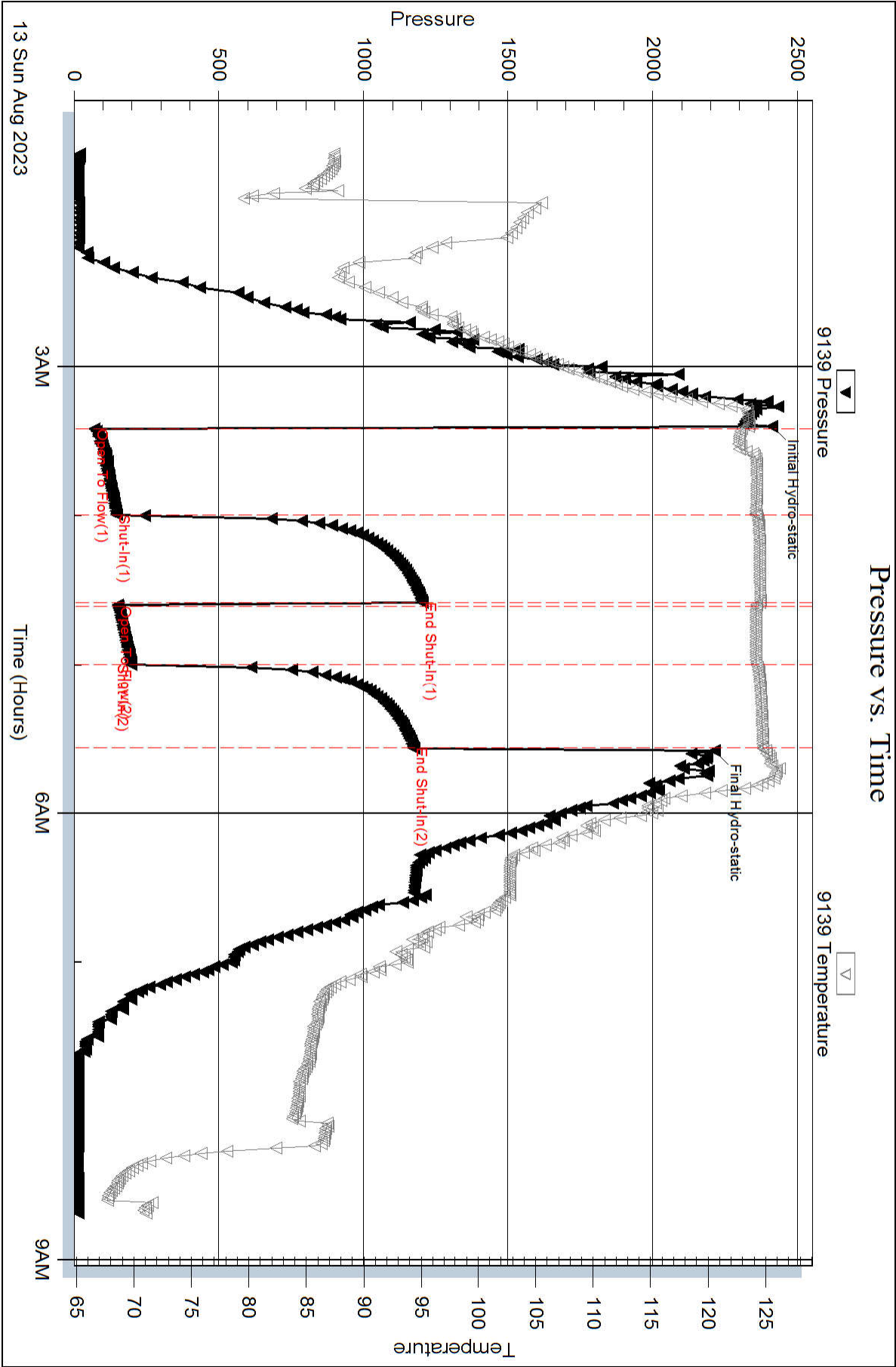
Test Start: 2023.08.13 @ 01:34:02

Gas Rates Information

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

Gas Rates Table

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



Serial #: 9119

Inside

Satchell Creek Petroleum

Hobbs 1-34

DST Test Number: 6

