

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 Recompletion Date _____ 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) (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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CEMENT TREATMENT REPORT

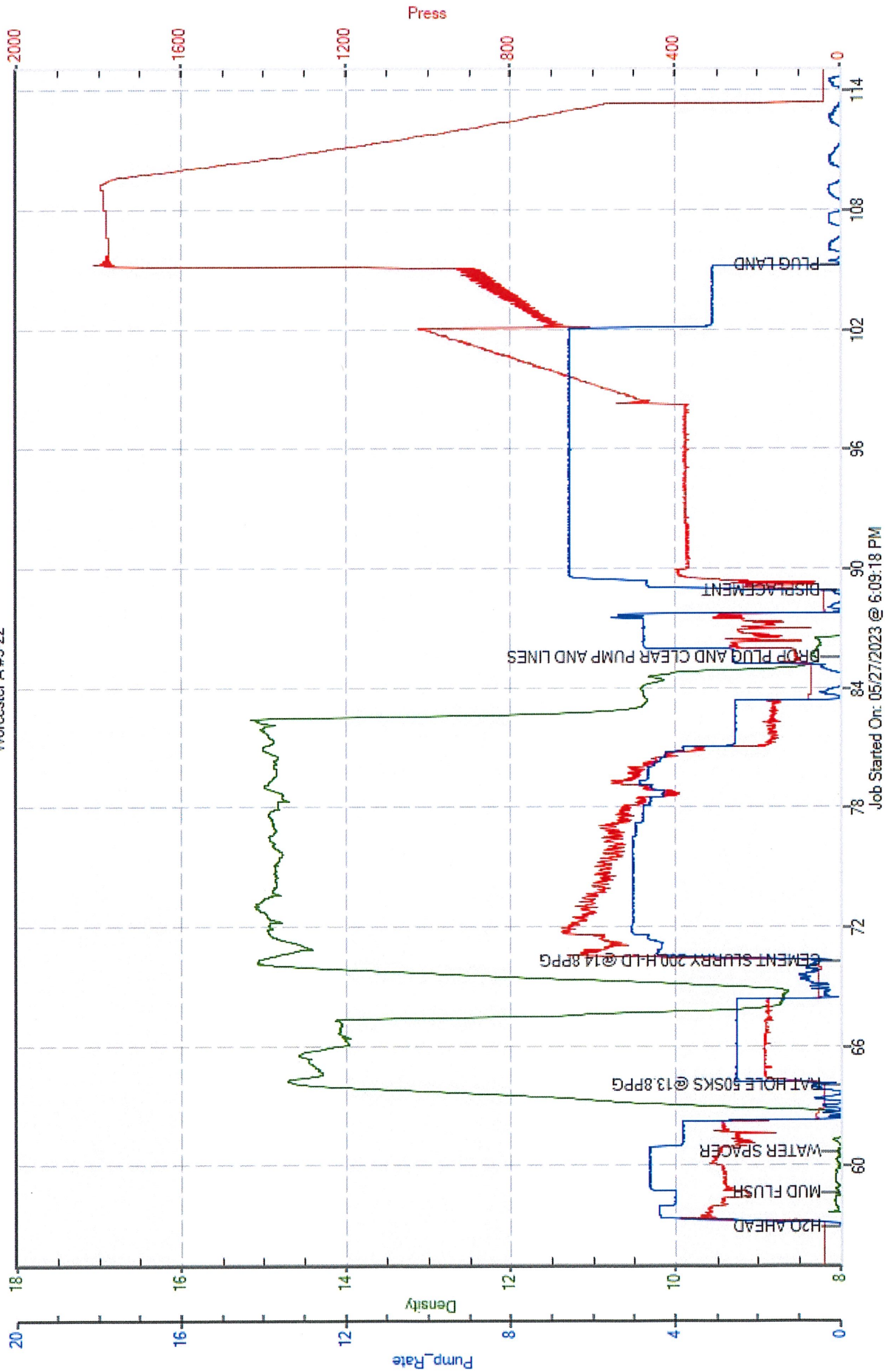
Customer: Satchell Creek	Well: Worcester A #3-22	Ticket: WP4337
City, State:	County: Graham	Date: 5/27/2023
Field Rep: Jay	S-T-R: 22-7S-22W	Service: Lonstring

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	7 7/8 in	Blend:	H-Plug	Blend:	H-LD
Hole Depth:	3915 ft	Weight:	13.8 ppg	Weight:	14.8 ppg
Casing Size:	5 1/2 in	Water / Sx:	6.9 gal / sx	Water / Sx:	6.5 gal / sx
Casing Depth:	3908 ft	Yield:	1.42 ft ³ / sx	Yield:	1.51 ft ³ / sx
Tubing / Liner:	in	Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:	Port Collar	Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	1899 ft	Excess:		Excess:	
Displacement:	92.7 bbls	Total Slurry:	12.6 bbls	Total Slurry:	53.8 bbls
		Total Sacks:	50 sx	Total Sacks:	200 sx

TIME	RATE	PSI	BBLs	STAGE TOTAL BBLs	REMARKS
145am			-	-	Arrive on Location
200am				-	Safety Meeting
230am				-	Rig Up
				-	
306am	5.0	400.0	5.0	5.0	H2O ahead
307am	5.0	450.0	12.0	17.0	Mud Flush
309am	2.6	250.0	5.0	22.0	Water Spacer
313am	2.6	150.0	12.6	34.6	Rat Hole H-Plug 50sks @ 13.8ppg
320am	5.0	590.0	53.8	88.4	Cement Slurry H-LD 200sks @ 14.8ppg
336am				88.4	Drop Plug and Clear Pump and Lines
338am	6.6	650.0	82.7	171.1	Displacement
354am	3.0	1,000.0	10.0		Land Plug Bump Pressure to 1750psi hold for 2min then release pressure and plug help 0.5bbls back
400am					Wash Up
410am					Rig Down
430am					Leave Location

CREW			UNIT	SUMMARY		
Cementer:	Spencer		945	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Michael		230	4.3 bpm	499 psi	181 bbls
Bulk #1:	Lupe		180/530			
Bulk #2:						

Satchell Creek
Worcester A #3-22



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

No. 3859

one 785-483-1071

Home Office P.O. Box 32 Russell, KS 67665

Cell 785-324-1041

Date	10/11/23	Sec.	22	Twp.	7	Range	22	County	Graham	State	Kansas	On Location		Finish	1:30 pm
								Location	Hill city 3E 31						

Lease	Worcester A	Well No.	3-22	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	C+B				
Type Job	plug				
Hole Size		T.D.		Charge To	Satchell Creek
Csg.	5 1/2	Depth		Street	
Tbg. Size	2 1/4	Depth	3881	City	
Tool		Depth		State	
Cement Left in Csg.		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.	
Meas Line		Displace		Cement Amount Ordered	350 40 4% gel 1800# gel 500# hulls

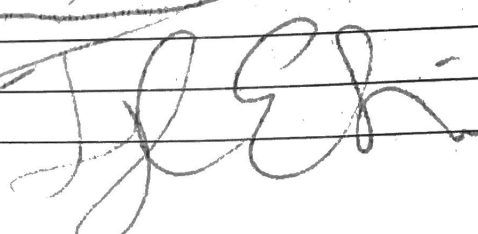
EQUIPMENT

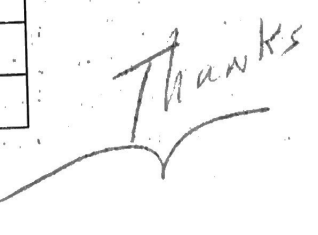
Pumptrk	17	No.	Cementer	Mick	Common	147
			Helper		Poz. Mix	98
Bulktrk	19	No.	Driver	Tim	Gel.	27
			Driver		Calcium	
Bulktrk	PU	No.	Driver	David	Hulls	
			Driver		Salt	

JOB SERVICES & REMARKS

Remarks:		Flowseal	
Rat Hole		Kol-Seal	
Mouse Hole		Mud CLR 48	
Centralizers		CFL-117 or CD110 CAF 38	
Baskets		Sand	
D/V or Port Collar		Handling	350
3881- mixed 1800# gel followed by 10 sks		Mileage	
2075- mixed 210 sks to circulate to surface pulled with 20 sks		FLOAT EQUIPMENT	
to backside and mixed 5 sks and pressure to 400#		Guide Shoe	
Cement did circulate		Centralizer	
		Baskets	
		AFU Inserts	
		Float Shoe	
		Latch Down	

Used 245 sks total 1800# gel

X Signature 

Pumptrk Charge	plug	Tax	
Mileage	55	Discount	
Thanks 		Total Charge	



DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina
Wichita, KS 67205

ATTN: Chris Leiker & Sean

Worcester A3-22

22-7s-22w Graham County - A3-22

Start Date: 2023.05.24 @ 10:00:14

End Date: 2023.05.24 @ 16:45:44

Job Ticket #: 01588 DST #: 1

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

Printed: 2023.05.31 @ 20:15:40



DRILL STEM TEST REPORT

Satchell Creek Petroleum

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01588

DST#: 1

ATTN: Chris Leiker & Sean

Test Start: 2023.05.24 @ 10:00:14

GENERAL INFORMATION:

Formation: **Kansas City "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:10:14

Time Test Ended: 16:45:44

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Interval: **3671.00 ft (KB) To 3700.00 ft (KB) (TVD)**

Reference Elevations: 2255.00 ft (KB)

Total Depth: 3700.00 ft (KB) (TVD)

2248.00 ft (CF)

Hole Diameter: 6.80 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 9119

Inside

Press@RunDepth: 97.08 psig @ 3695.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.05.24

End Date: 2023.05.24

Last Calib.: 1899.12.30

Start Time: 10:01:14

End Time: 16:45:44

Time On Btm: 2023.05.24 @ 13:08:44

Time Off Btm: 2023.05.24 @ 14:47:14

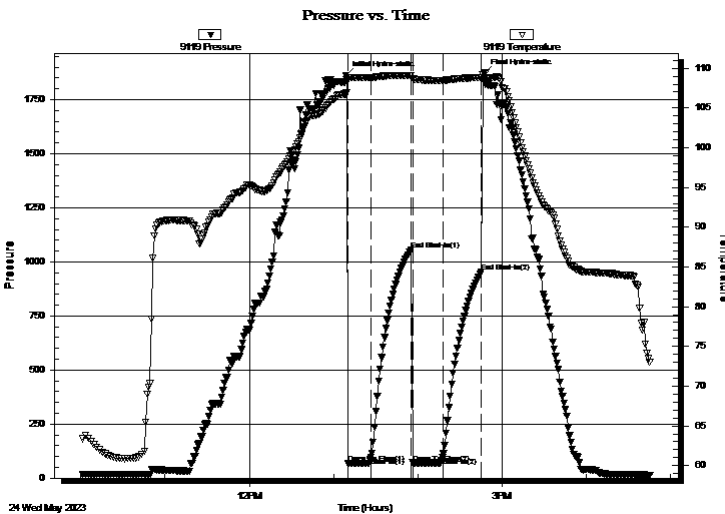
TEST COMMENT: Initial Blow - Weak Surface Blow for 12 minutes and died off

Blow back - N/A

Final Blow - N/A

Blow back - N/A

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1860.23	106.75	Initial Hydro-static
2	67.94	108.50	Open To Flow (1)
18	96.36	108.83	Shut-In(1)
47	1054.65	109.06	End Shut-In(1)
48	70.09	108.69	Open To Flow (2)
69	97.08	108.47	Shut-In(2)
97	952.75	108.83	End Shut-In(2)
99	1872.30	109.37	Final Hydro-static

Recovery

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

Gas Rates

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



DRILL STEM TEST REPORT

Satchell Creek Petroleum

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01588

DST#: 1

ATTN: Chris Leiker & Sean

Test Start: 2023.05.24 @ 10:00:14

GENERAL INFORMATION:

Formation: **Kansas City "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:10:14

Time Test Ended: 16:45:44

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Interval: **3671.00 ft (KB) To 3700.00 ft (KB) (TVD)**

Reference Elevations: 2255.00 ft (KB)

Total Depth: 3700.00 ft (KB) (TVD)

2248.00 ft (CF)

Hole Diameter: 6.80 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: **9139** Outside

Press@RunDepth: 947.75 psig @ 3695.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.05.24

End Date: 2023.05.24

Last Calib.: 1899.12.30

Start Time: 10:01:32

End Time: 16:46:02

Time On Btm: 2023.05.24 @ 13:09:02

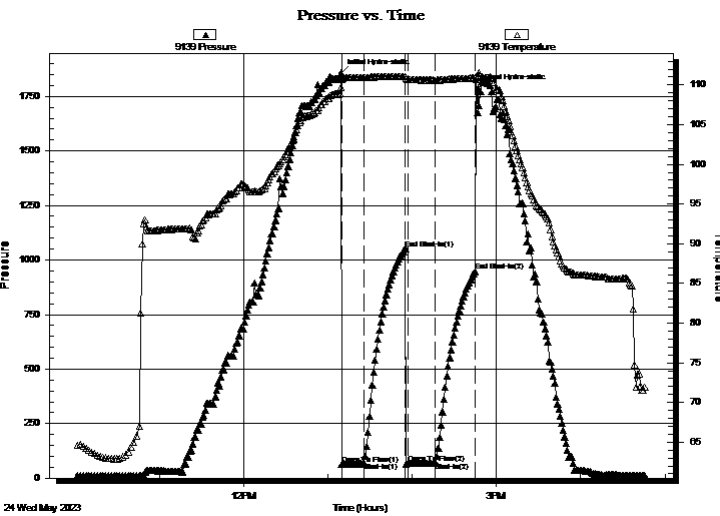
Time Off Btm: 2023.05.24 @ 14:47:02

TEST COMMENT: Initial Blow - Weak Surface Blow for 12 minutes and died off

Blow back - N/A

Final Blow - N/A

Blow back - N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1856.20	109.73	Initial Hydro-static
1	64.56	110.86	Open To Flow (1)
17	70.91	110.91	Shut-In(1)
46	1052.92	111.05	End Shut-In(1)
48	66.72	110.75	Open To Flow (2)
68	73.86	110.59	Shut-In(2)
96	947.75	110.87	End Shut-In(2)
98	1785.16	111.23	Final Hydro-static

Recovery

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

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01588

DST#: 1

ATTN: Chris Leiker & Sean

Test Start: 2023.05.24 @ 10:00:14

Tool Information

Drill Pipe:	Length: 3655.00 ft	Diameter:	inches	Volume: 3550549 bbl	Tool Weight:	20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter:	inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter:	inches	Volume: 0.00 bbl	Weight to Pull Loose:	85000.00 lb
				<u>Total Volume: 3550549 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.50 ft				String Weight: Initial	55000.00 lb
Depth to Top Packer:	3671.00 ft				Final	55000.00 lb
Depth to Bottom Packer:	ft					
Interval between Packers:	29.00 ft					
Tool Length:	57.50 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			3647.50	
Hydraulic tool	6.00			3653.50	
Jars	4.00			3657.50	
Safety Joint	2.50			3660.00	
Top Packer	6.50			3666.50	
Packer	4.50			3671.00	28.50 Bottom Of Top Packer
Anchor	24.00			3695.00	
Recorder	0.00	9119	Inside	3695.00	
Recorder	0.00	9139	Outside	3695.00	
Bullnose	5.00			3700.00	29.00 Anchor Tool
Total Tool Length:	57.50				



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01588

DST#: 1

ATTN: Chris Leiker & Sean

Test Start: 2023.05.24 @ 10:00:14

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: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	Drilling Mud	

Total Length: 60.00 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

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01588

DST#: 1

ATTN: Chris Leiker & Sean

Test Start: 2023.05.24 @ 10:00:14

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

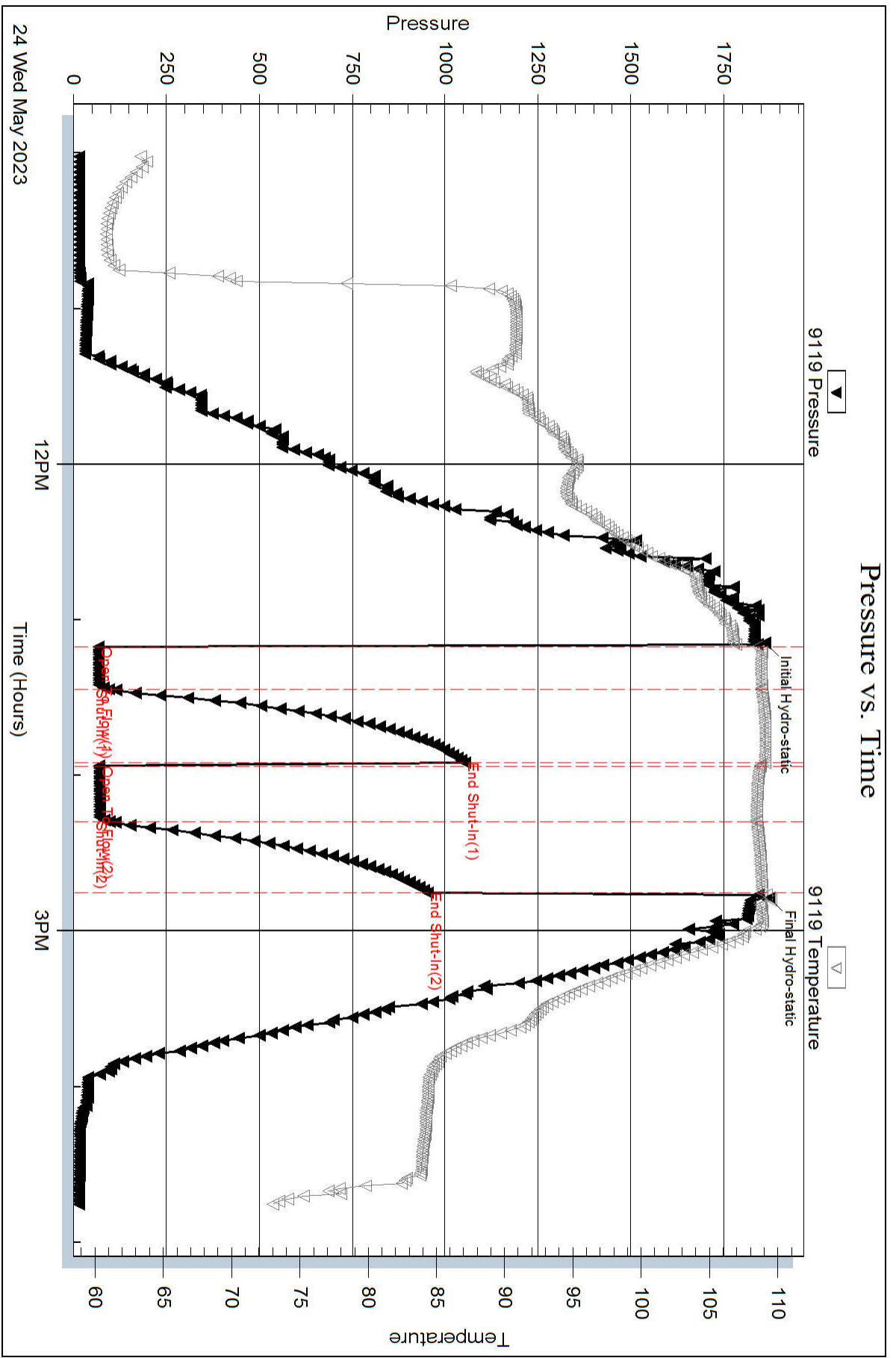
Serial #: 9119

Inside

Satchell Creek Petroleum

Worcester A-3-22

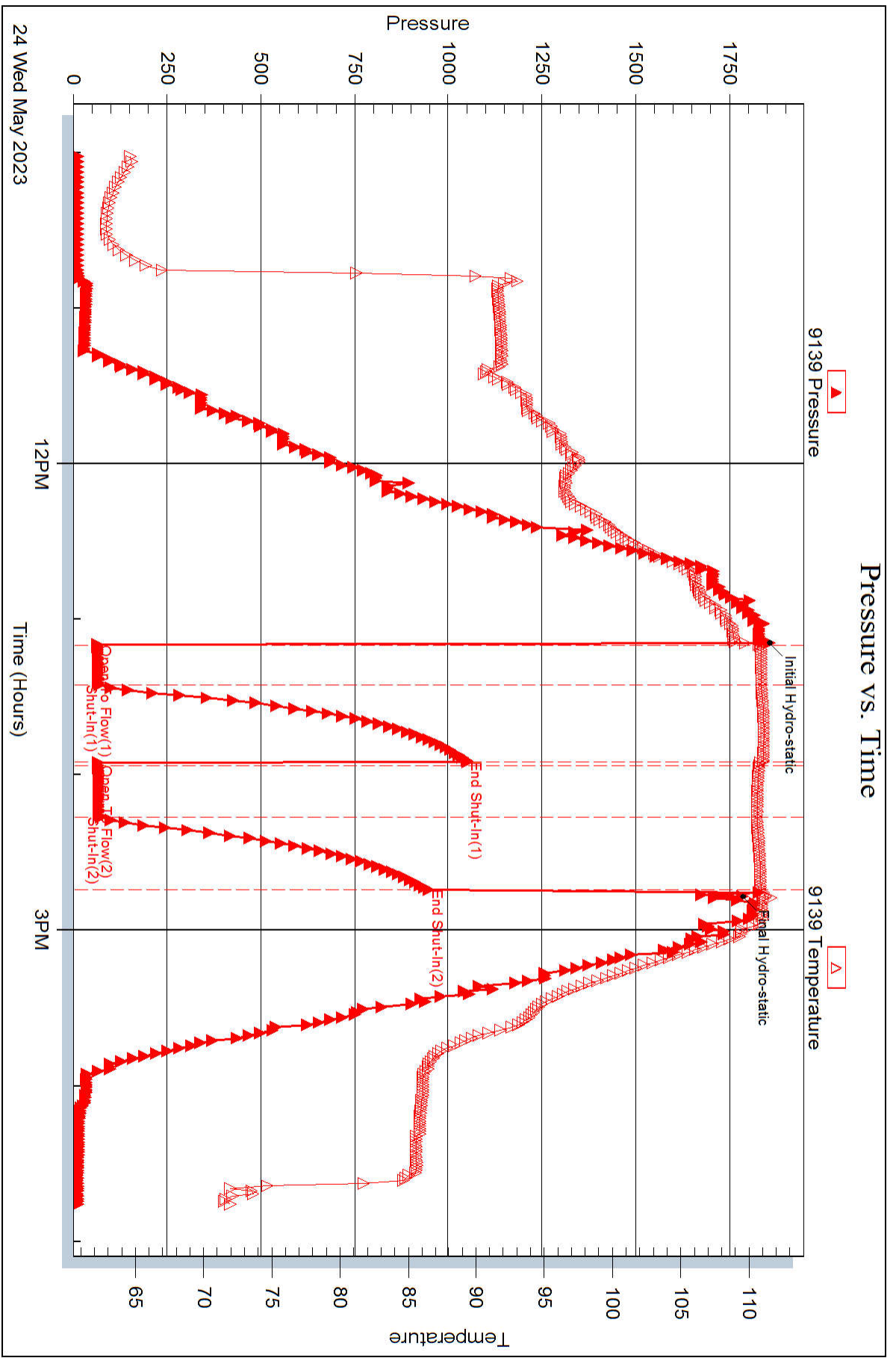
DST Test Number: 1



Eagle Testers

Ref. No: 01588

Printed: 2023.05.31 @ 20:15:44





DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina
Wichita, KS 67205

ATTN: Chris Leiker & Sean

Worcester A3-22

22-7s-22w Graham County - A3-22

Start Date: 2023.05.29 @ 00:00:00

End Date:

Job Ticket #: 01589

DST #: 2

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

Printed: 2023.05.31 @ 20:30:23



DRILL STEM TEST REPORT

Satchell Creek Petroleum

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01589

DST#: 2

ATTN: Chris Leiker & Sean

Test Start: 2023.05.29 @ 00:00:00

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Straddle (Initial)

Tester:

Unit No:

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

Reference Elevations: 2255.00 ft (KB)

Total Depth: ft (KB) (TVD)

2248.00 ft (CF)

Hole Diameter: 6.80 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 9139

Press@RunDepth: psig @ 3780.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.05.29 End Date: 2023.05.29

Last Calib.: 1899.12.30

Start Time: 10:51:43 End Time: 19:59:13

Time On Btm: 2023.05.29 @ 14:13:13

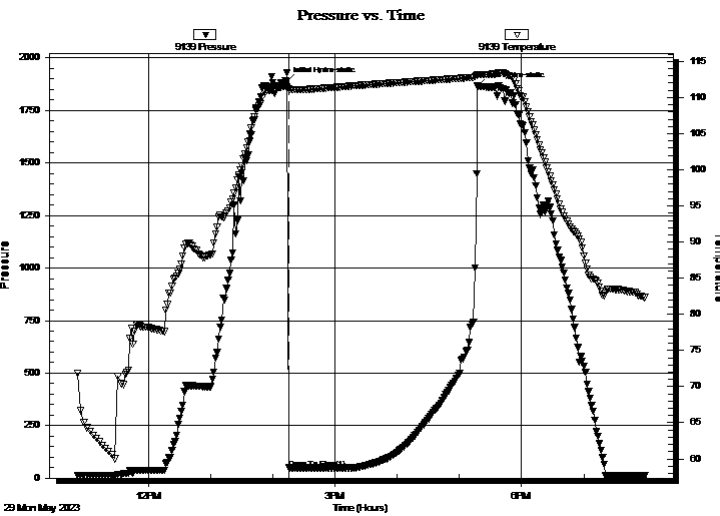
Time Off Btm: 2023.05.29 @ 17:17:13

TEST COMMENT: Weak surface blow for 15 mins and died

Blow back - N/A

Final - N/A

Blow back - N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1888.54	111.48	Initial Hydro-static
2	48.15	111.16	Open To Flow (1)
184	1865.42	113.13	Final Hydro-static

Recovery

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

Gas Rates

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



DRILL STEM TEST REPORT

Satchell Creek Petroleum

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01589

DST#: 2

ATTN: Chris Leiker & Sean

Test Start: 2023.05.29 @ 00:00:00

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

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

Total Depth: ft (KB) (TVD)

Hole Diameter: 6.80 inches Hole Condition: Poor

Test Type: Conventional Straddle (Initial)

Tester:

Unit No:

Reference Elevations: 2255.00 ft (KB)

2248.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 9119

Press@RunDepth: psig @ ft (KB)

Start Date: 2023.05.29

End Date: 2023.05.30

Capacity: 5000.00 psig

Last Calib.: 1899.12.30

Start Time: 11:11:25

End Time: 08:52:25

Time On Btm:

Time Off Btm:

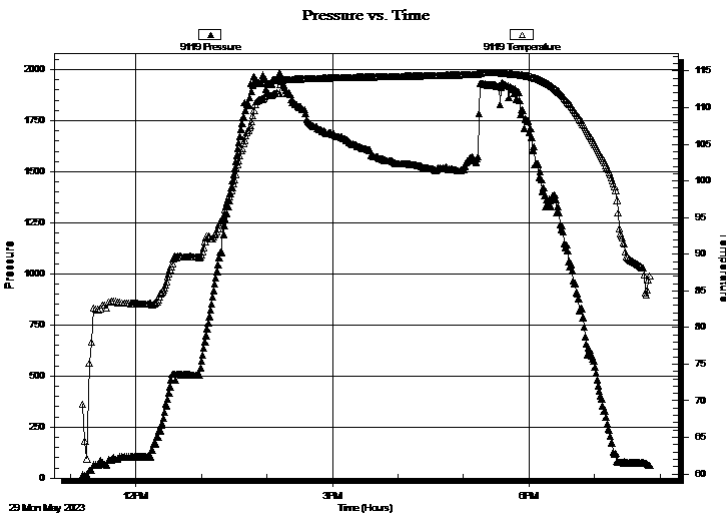
TEST COMMENT: Weak surface blow for 15 mins and died

Blow back - N/A

Final - N/A

Blow back - N/A

PRESSURE SUMMARY



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

Recovery

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

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01589

DST#: 2

ATTN: Chris Leiker & Sean

Test Start: 2023.05.29 @ 00:00:00

Tool Information

Drill Pipe:	Length:	0.00 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:	75000.00 lb
					Total Volume:	0.00 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	ft						String Weight: Initial	60000.00 lb
Depth to Top Packer:	ft						Final	60000.00 lb
Depth to Bottom Packer:	ft							
Interval between Packers:	0.00 ft							
Tool Length:	210.50 ft							
Number of Packers:	3		Diameter:	6.75 inches				
Tool Comments:								

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	0.75			28.50	
Anchor	0.00			28.50	
Recorder	0.00		Inside	28.50	
Recorder	0.00		Outside	28.50	
Blank Off Sub	1.00			29.50	
Packer - Shale	5.00			34.50	
Change Over Sub	0.00			34.50	
Drill Pipe	124.00	9119	Inside	158.50	
Change Over Sub	4.00	9139	Outside	162.50	
Anchor	43.00			205.50	
Recorder	0.00			205.50	
Bullnose	5.00			210.50	210.50
					Anchor Tool

Total Tool Length: 210.50



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01589

DST#: 2

ATTN: Chris Leiker & Sean

Test Start: 2023.05.29 @ 00:00:00

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: 1100.00 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
30.00	Drilling Mud	

Total Length: 30.00 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

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01589

DST#: 2

ATTN: Chris Leiker & Sean

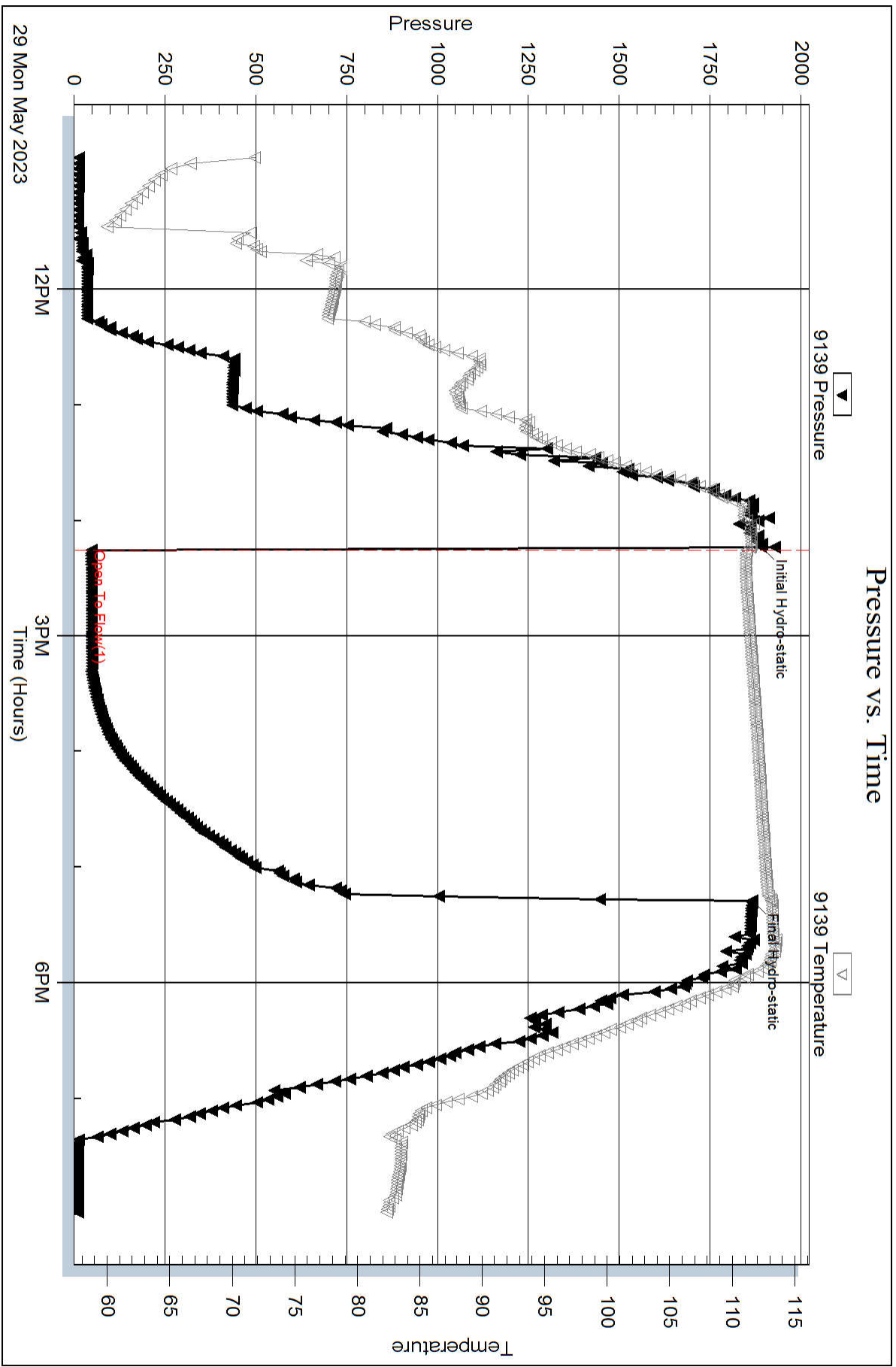
Test Start: 2023.05.29 @ 00:00:00

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

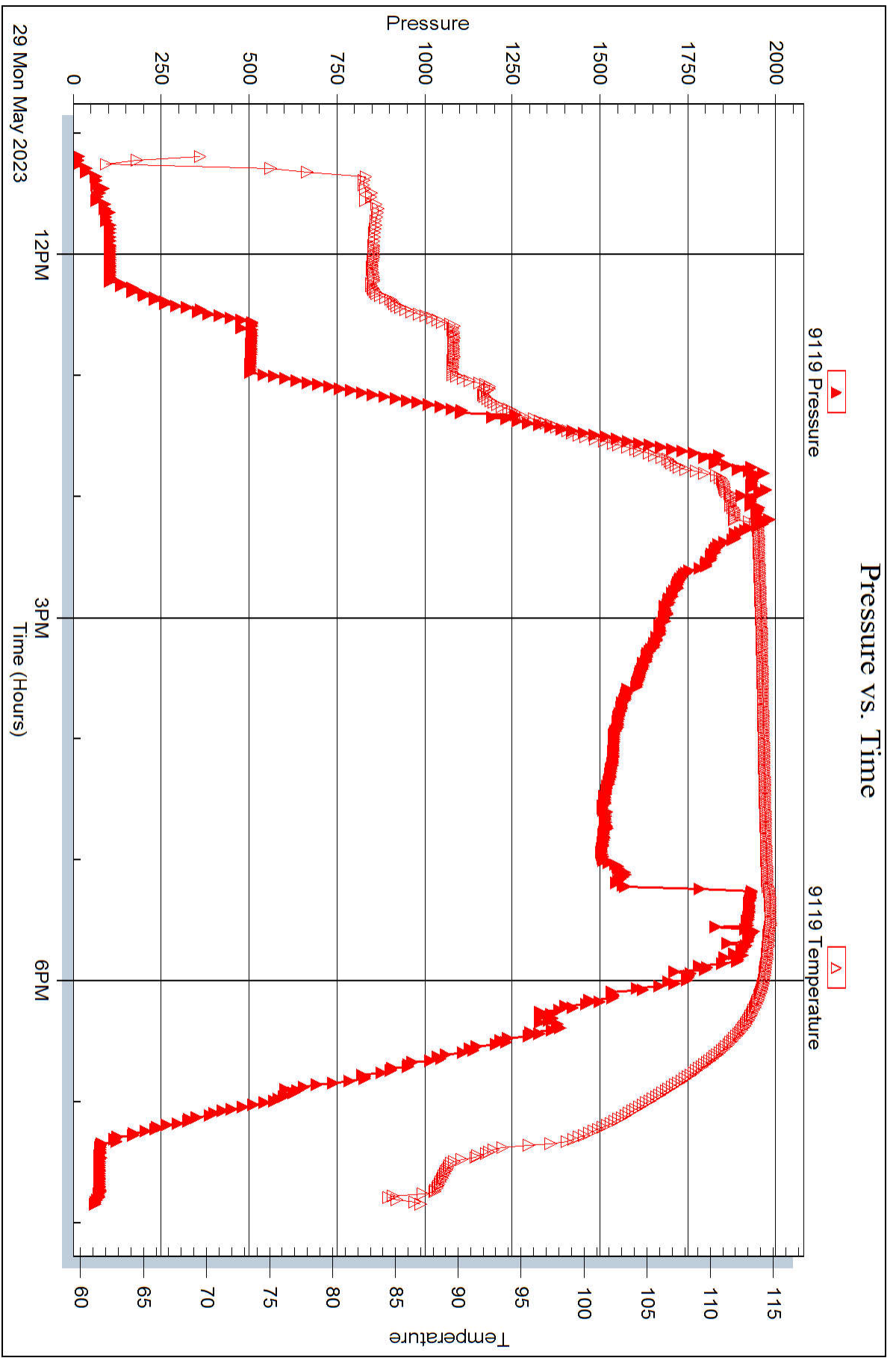


Serial #: 9119

Satchell Creek Petroleum

Worcester A-3-22

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina
Wichita, KS 67205

ATTN: Chris Leiker & Sean

Worcester A3-22

22-7s-22w Graham County - A3-22

Start Date: 2023.05.29 @ 20:58:36

End Date: 2023.05.30 @ 05:14:06

Job Ticket #: 01590 DST #: 3

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

Printed: 2023.05.31 @ 20:26:43



DRILL STEM TEST REPORT

Satchell Creek Petroleum

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01590

DST#: 3

ATTN: Chris Leiker & Sean

Test Start: 2023.05.29 @ 20:58:36

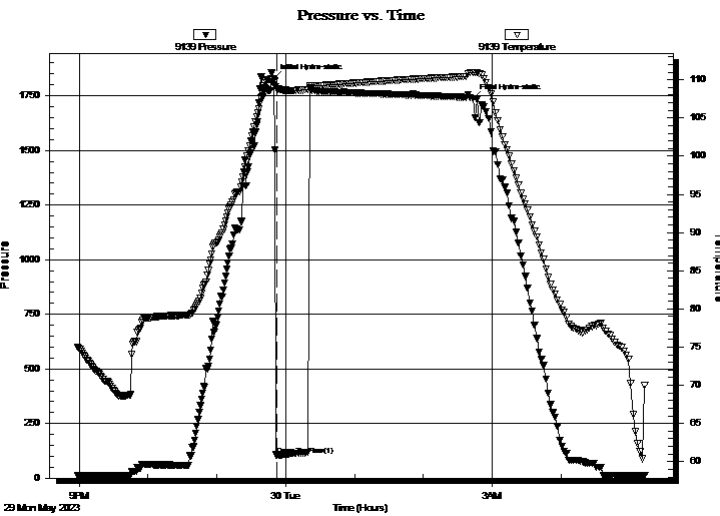
GENERAL INFORMATION:

Formation: ?
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:52:36
 Time Test Ended: 05:14:06
 Interval: ft (KB) To ft (KB) (TVD)
 Total Depth: 3915.00 ft (KB) (TVD)
 Hole Diameter: 6.80 inches Hole Condition: Poor
 Test Type: Conventional Straddle (Initial)
 Tester:
 Unit No:
 Reference Elevations: 2255.00 ft (KB)
 2248.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 9139

Press@RunDepth: psig @ 3587.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2023.05.29 End Date: 2023.05.30 Last Calib.: 1899.12.30
 Start Time: 20:58:36 End Time: 05:14:06 Time On Btm: 2023.05.29 @ 23:49:36
 Time Off Btm: 2023.05.30 @ 02:43:06

TEST COMMENT: Weak building blow - 3.5" in 15 mins and died off by 30 mins
 BB - N/A
 Final - Weak building blow
 BB - N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1828.56	110.08	Initial Hydro-static
3	106.78	108.88	Open To Flow (1)
174	1736.69	110.97	Final Hydro-static

Recovery

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

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01590

DST#: 3

ATTN: Chris Leiker & Sean

Test Start: 2023.05.29 @ 20:58:36

Tool Information

Drill Pipe:	Length:	ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Tool Weight:	20000.00 lb	
Heavy Wt. Pipe:	Length:	ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb	
Drill Collar:	Length:	ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	75000.00 lb	
				Total Volume:		0.00 bbl	Tool Chased	0.00 ft	
Drill Pipe Above KB:		ft						String Weight: Initial	60000.00 lb
Depth to Top Packer:		ft						Final	60000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:	0.00 ft								
Tool Length:	488.50 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	
Change Over Sub	0.75			27.75	
Drill Pipe	0.00			27.75	
Change Over Sub	0.75			28.50	
Anchor	0.00			28.50	
Recorder	0.00		Inside	28.50	
Recorder	0.00		Outside	28.50	
Blank Off Sub	1.00			29.50	
Packer - Shale	5.00			34.50	
Change Over Sub	2.00			36.50	
Drill Pipe	315.00	9119	Inside	351.50	
Change Over Sub	2.00	9139	Outside	353.50	
Anchor	130.00			483.50	
Recorder	0.00			483.50	
Bullnose	5.00			488.50	488.50
					Anchor Tool

Total Tool Length: 488.50



DRILL STEM TEST REPORT

FLUID SUMMARY

Satchell Creek Petroleum

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01590

DST#: 3

ATTN: Chris Leiker & Sean

Test Start: 2023.05.29 @ 20:58:36

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: 5.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Drilling Mud	

Total Length: 20.00 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

22-7s-22w Graham County - A3-22

3032 N Cortina
Wichita, KS 67205

Worcester A3-22

Job Ticket: 01590

DST#: 3

ATTN: Chris Leiker & Sean

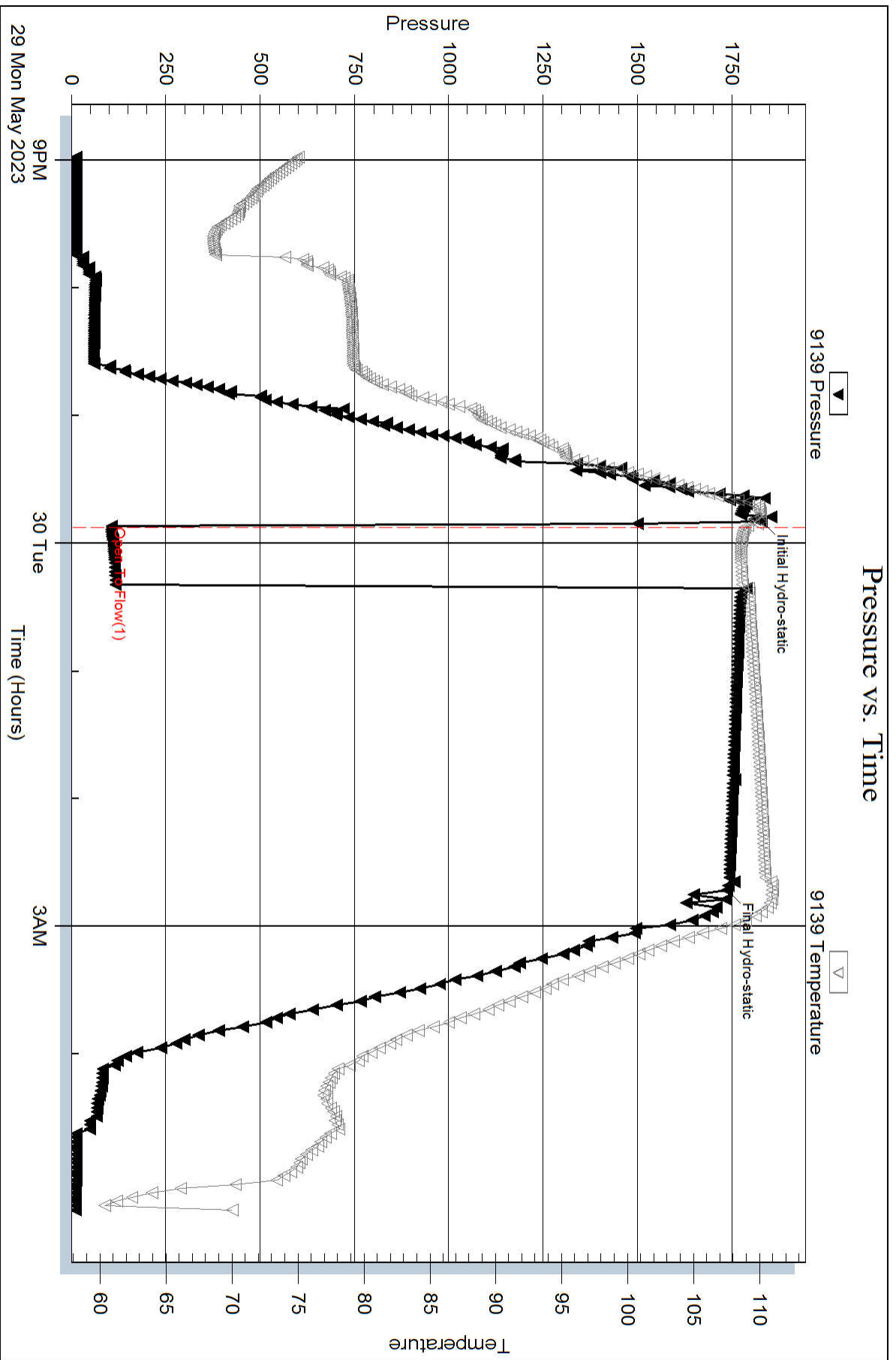
Test Start: 2023.05.29 @ 20:58:36

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

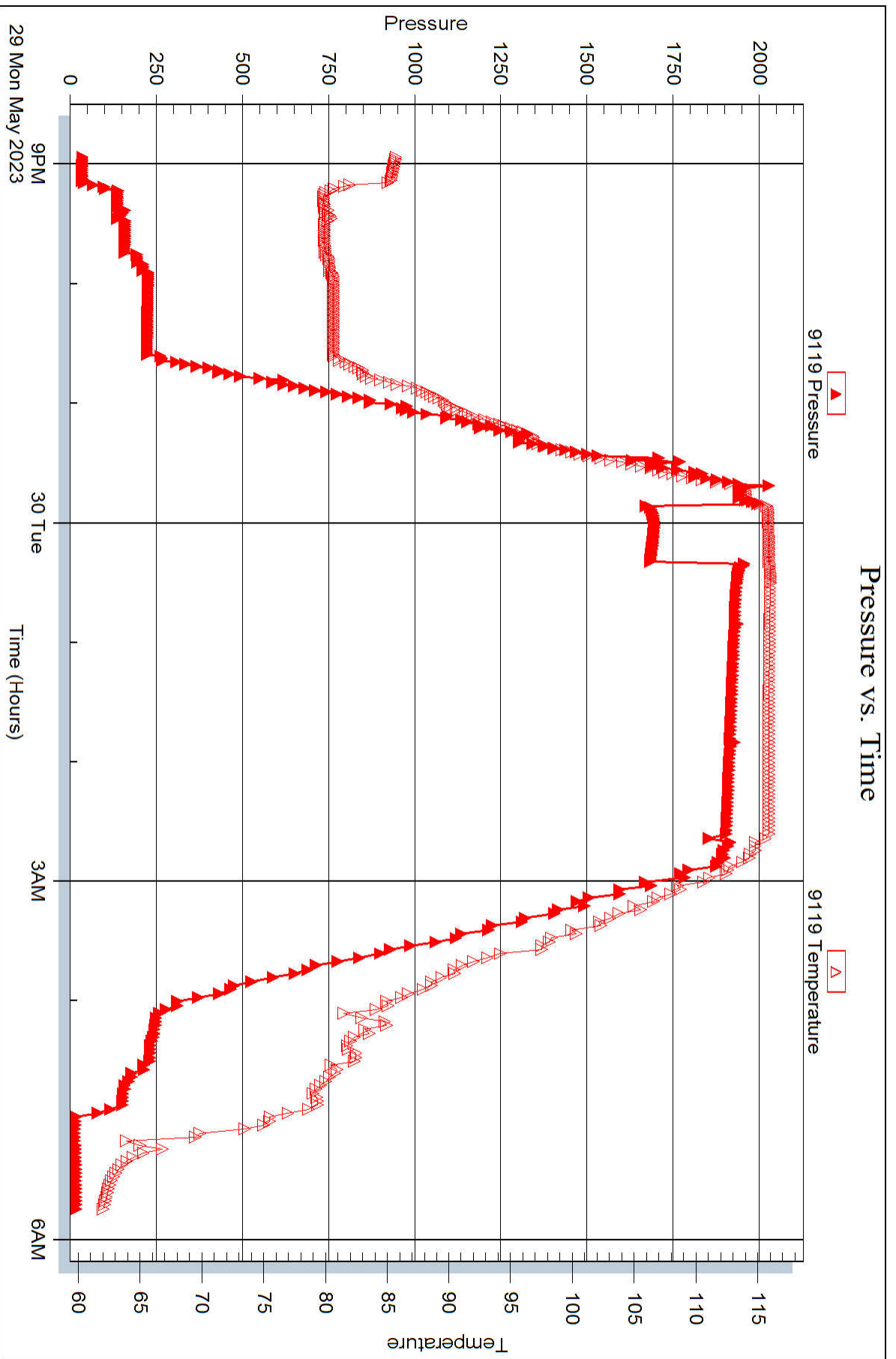


Serial #: 9119

Satchell Creek Petroleum

Worcester A-3-22

DST Test Number: 3



Eagle Testers

Ref. No: 01590

Printed: 2023.05.31 @ 20:26:47

Sean Deenihan

Petroleum Geologist

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY Satchell Creek Petroleum, LLC
 LEASE Worcester A #3-22

ELEVATIONS
 KB 2255'

FIELD Wildcat
 LOCATION 2071' FNL & 2022' FWL
 SEC 22 TWPSP 7S RGE 22W

COUNTY Graham STATE Kansas
 CONTRACTOR Feature Drilling Rig #1
 SPUD 5/17/23 COMP 5/25/23

RTD 3915' LTD 3915'
 MUD UP 3100' TYPE MUD Chemical

SAMPLES SAVED FROM 3100' TO RTD
 DRILLING TIME KEPT FROM 3100' TO RTD
 SAMPLES EXAMINED FROM 3100' TO RTD

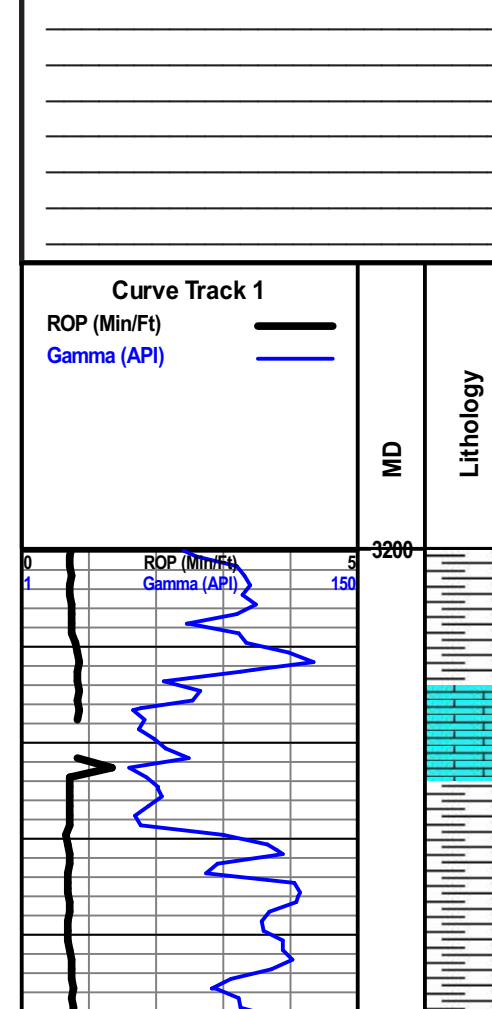
GEOLOGICAL SUPERVISION FROM 3100'
 REFERENCE WELL CND/DIL, Midwest
MIC/SON

Formation	Sample Tops	E-log Tops	Struct Fes.
Heebner Sh		3460 (-1205)	
Lansing		3504 (-1249)	
Stark Shale		3669 (-1414)	
BKC		3934 (-1441)	

Measurements Are All From Kelly Bushing
 CASING CONDUCTOR SURFACE 8'-5/8" at 264' PRODUCTION 5.5" @ 3915'

CASING ELECTRICAL SURVEYS
 GND/DIL, Midwest

ELECTRICAL SURVEYS
 GND/DIL, Midwest



REMARKS The Worcester A #3-22 had shows of oil, but the DST results were discouraging. The decision was made to attempt to complete this well for commercial oil production.

Respectfully Submitted,

Sean P. Deenihan

