

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (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>

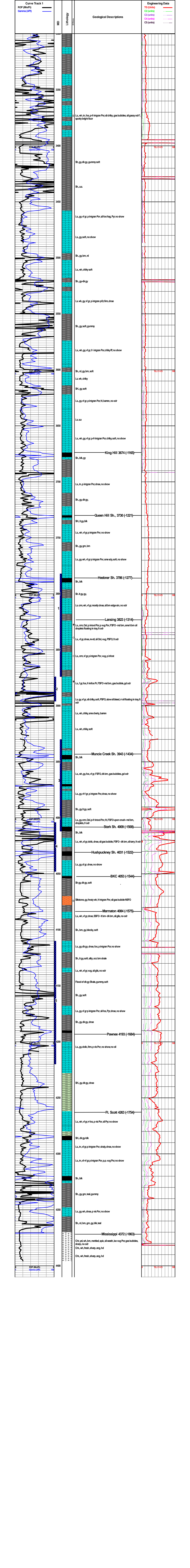
TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Satchell Creek Petroleum, LLC
Well Name	HOBBS A1-28
Doc ID	1737437

All Electric Logs Run

BHCS
BHV
DIL
DUCP
MEL









**CEMENT TREATMENT REPORT**

Customer:	<b>SATCHELL CREEK PETROLEUM</b>	Well:	<b>HOBBS A1-28</b>	Ticket:	<b>WP4571</b>
City, State:	<b>COLYER KS</b>	County:	<b>GRAHAM KS</b>	Date:	<b>8/3/2023</b>
Field Rep:		S-T-R:	<b>28-10S-25W</b>	Service:	<b>LONGSTRING</b>

Downhole Information	
Hole Size:	<b>7 7/8 in</b>
Hole Depth:	<b>4400 ft</b>
Casing Size:	<b>5 1/2 in</b>
Casing Depth:	<b>4397 ft</b>
Tubing / Liner:	<b>in</b>
Depth:	<b>ft</b>
Tool / Packer:	
Tool Depth:	<b>ft</b>
Displacement:	<b>103.6 bbls</b>

Calculated Slurry - Lead	
Blend:	<b>H-CON</b>
Weight:	<b>12.0 ppg</b>
Water / Sx:	<b>14.5 gal / sx</b>
Yield:	<b>2.47 ft<sup>3</sup> / sx</b>
Annular Bbls / Ft.:	<b>bbs / ft.</b>
Depth:	<b>ft</b>
Annular Volume:	<b>0.0 bbls</b>
Excess:	
Total Slurry:	<b>222.2 bbls</b>
Total Sacks:	<b>505 sx</b>

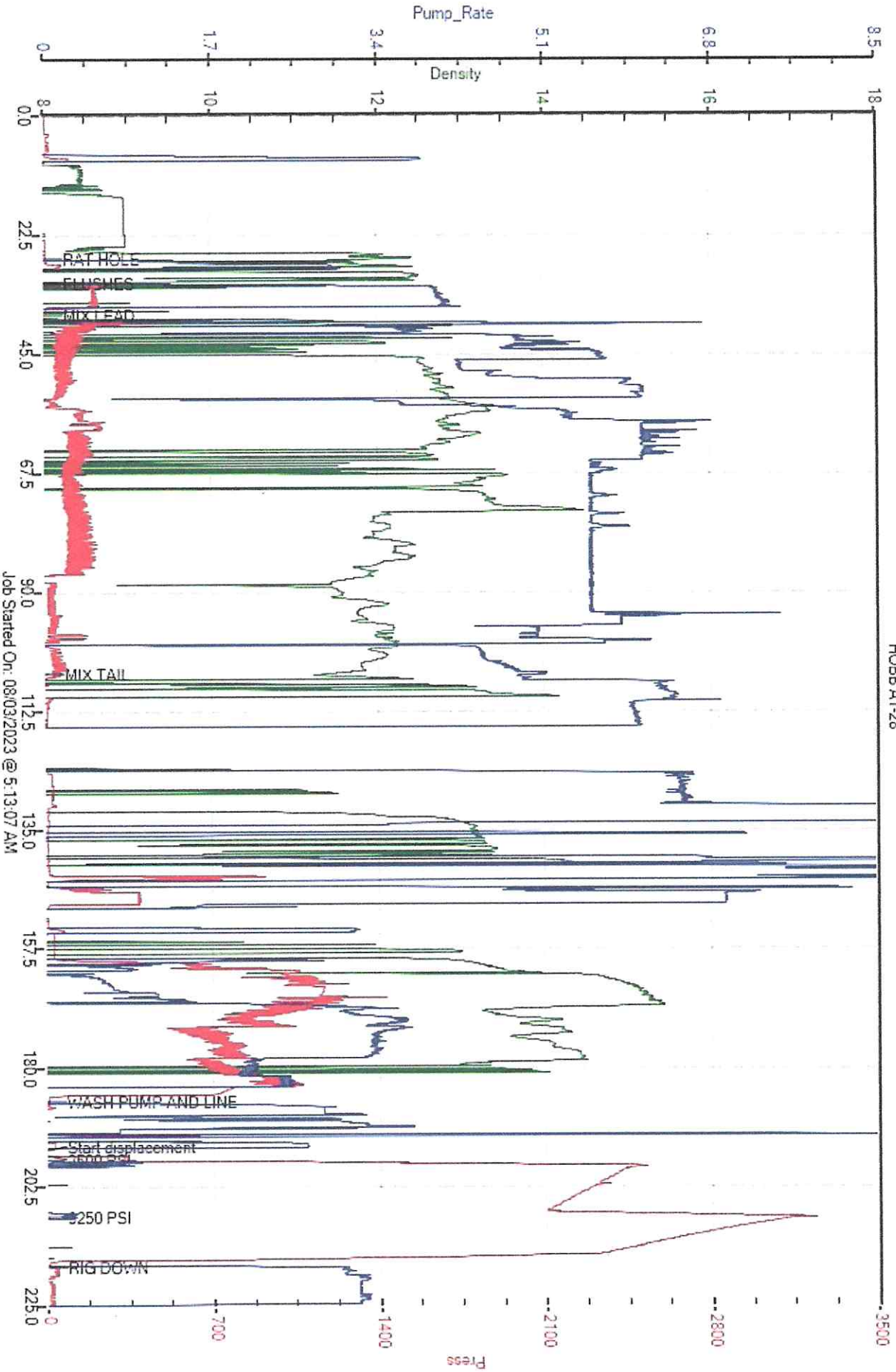
Calculated Slurry - Tail	
Blend:	<b>H-LD CEMENT BLEND</b>
Weight:	<b>4.8 ppg</b>
Water / Sx:	<b>6.5 gal / sx</b>
Yield:	<b>1.54 ft<sup>3</sup> / sx</b>
Annular Bbls / Ft.:	<b>bbs / ft.</b>
Depth:	<b>ft</b>
Annular Volume:	<b>0 bbls</b>
Excess:	
Total Slurry:	<b>52.0 bbls</b>
Total Sacks:	<b>190 sx</b>

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
3:45 AM			-	-	ON LOCATION
				-	5 1/2 15.5 CASING ON BOTTOM CIRCULATING, WITH 10 TURBOLIZERS, 4 BASKETS & STOP RINGS, BAFFLE AND FLOAT SHOE
5:45 AM	2.0	25.0	7.0	7.0	MIX 30 SKS H-CON FOR RAT HOLES:
5:50 AM	3.3	240.0	12.0	19.0	PUMP 500 GALLONS MUD FLUSH
5:53 AM	4.0	240.0	5.0	24.0	PUMP 5 BBLs KCL WATER
5:58 AM	5.4	170.0	222.0	246.0	MIX 475 SKS H-CON (ROCKS IN PUMPS, NOT PUMP WELL)
7:05 AM	1.4	1,200.0	52.0	298.0	MIX 190 SKS H-LD (TROUBLE GETTING CEMENT OFF BULK TRUCK, STILL HAVE ROCKS IN PUMPS)
8:23 AM	2.0	25.0	7.0	305.0	WASH PUMP AND LINE, DROP PLUG
8:37 AM	1.0	1,200.0		305.0	START KCL DISPLACEMENT
8:38 AM		2,500.0	0.5	305.5	.5 BBLs IN, PRESSURED UP TO 2500 PSI
8:46 AM		3,250.0		305.5	PRESSURED UP TO 3250
					CAN NOT PUMP PLUG DOWN
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	THANK YOU!
				-	MIKE MATTAL
				-	MIKE, KENNY & EDWARD
				-	
				-	
				-	

CREW		UNIT	SUMMARY		
Cementer:	<b>MATTAL</b>	<b>912</b>	Average Rate	Average Pressure	Total Fluid
Pump Operator:	<b>MCGRAW</b>	<b>529/522</b>	2.7 bpm	983 psi	306 bbls
Bulk #1:	<b>JULIAN</b>	<b>181/533</b>			
Bulk #2:	<b>GOMEZ</b>	<b>194/235</b>			

# SATCHELL CREEK PETROLEUM

HOBB A1-28







# COPELAND

Acid & Cement



BOX 438

HAYSVILLE KANSAS 67060  
316 624-1225

FIELD ORDER

N° C

60977

DATE 27-Dec 20 23

IS AUTHORIZED BY SATCHELL CREEK NAME OF CUSTOMER

Address \_\_\_\_\_ City \_\_\_\_\_ State KS

TO TREAT WELL AS FOLLOWS Lease HOBBS Well No A 1 28 Customer Order No \_\_\_\_\_

Sec Twp \_\_\_\_\_ County GRAHAM State KS  
Range \_\_\_\_\_

COPELAND ACID & CEMENT, INC. warrants that the material furnished hereunder is of the quality and quantity specified and that it is suitable for the purpose intended. It is the responsibility of the customer to determine the quantity and quality of material required for the job. The customer shall be responsible for the results of the service. The representative of said service or person is hereby authorized to sign this order for well owner or operator. The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED

By \_\_\_\_\_ Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
20 0002	200	Mileage P T	\$6.00	\$1,200.00
20 0007	1	PUMP CHARGE	\$1,650.00	\$1,650.00
20 1002	220	60/40 Poz 2% Gel	\$17.50	\$3,850.00
20 1004	4	Add Gel after 2% Per Sack	\$28.00	\$112.00
224		Bulk Charge	\$1.25	\$280.00
985 6		Bulk Truck Miles	\$1.10	\$1,084.16
		Process License Fee on Gallons		
		<b>TOTAL BILLING</b>		<b>\$8,176.16</b>

I hereby certify that the above material has been accepted and used, that the above service was performed in a good and workmanlike manner, in the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Representative GREG C.

TAYLOR

Well Owner, Operator or Agent

**NET 30 DAYS**



## DRILL STEM TEST REPORT

Prepared For: **Satchell Creek Petroleum**

3032 N Cortina  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

### **Hobbs A1-28**

Start Date: 2023.07.28 @ 20:15:29

End Date: 2023.07.29 @ 03:34:59

Job Ticket #: 01597                      DST #: 1

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

Printed: 2023.07.28 @ 20:33:11



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

3032 N Cortina  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 1**

Test Start: 2023.07.28 @ 20:15:29

## GENERAL INFORMATION:

Formation: **Toronto - Lansing D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:16:29

Time Test Ended: 03:34:59

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

Interval: **3782.00 ft (KB) To 3875.00 ft (KB) (TVD)**

Reference Elevations: 2511.00 ft (KB)

Total Depth: 3875.00 ft (KB) (TVD)

2504.00 ft (CF)

Hole Diameter: 8.75 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

## Serial #: 9139

Press@RunDepth: 119.68 psig @ ft (KB)

Capacity: psig

Start Date: 2023.07.28

End Date:

2023.07.29

Last Calib.: 1899.12.30

Start Time: 20:15:29

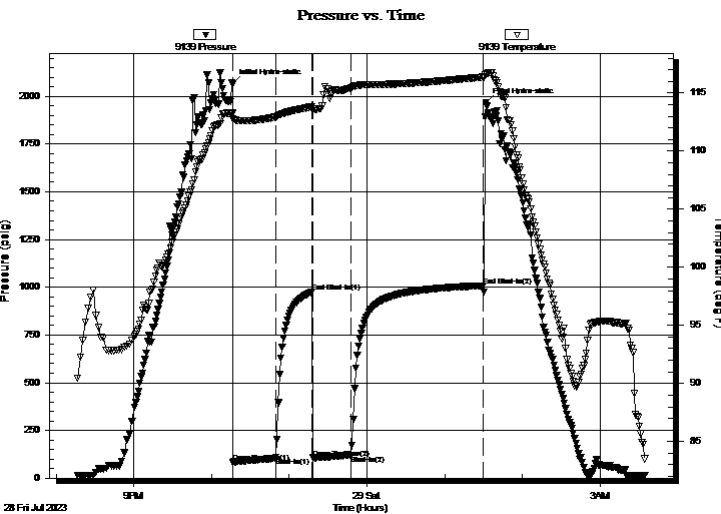
End Time:

03:34:59

Time On Btm: 2023.07.28 @ 22:15:59

Time Off Btm: 2023.07.29 @ 01:31:59

## TEST COMMENT:



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2064.39	113.27	Initial Hydro-static
1	84.10	112.83	Open To Flow (1)
34	110.47	112.94	Shut-In(1)
62	974.73	113.81	End Shut-In(1)
63	106.17	113.62	Open To Flow (2)
92	119.68	115.48	Shut-In(2)
194	1008.34	116.38	End Shut-In(2)
196	1967.21	116.64	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
80.00	Drilling Mud few spotty traces of oil	

## Gas Rates

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





# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Satchell Creek Petroleum

3032 N Cortina  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 1**

Test Start: 2023.07.28 @ 20:15:29

## Tool Information

Drill Pipe:	Length: 3784.00 ft	Diameter:	inches	Volume: 3675863 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:	38000.00 lb
				<u>Total Volume: 3675863 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.50 ft				String Weight: Initial	36000.00 lb
Depth to Top Packer:	3782.00 ft				Final	36000.00 lb
Depth to Bottom Packer:	ft					
Interval between Packers:	94.50 ft					
Tool Length:	123.00 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			3758.50	
Hydraulic tool	6.00			3764.50	
Jars	4.00			3768.50	
Safety Joint	2.50			3771.00	
Top Packer	6.50			3777.50	
Packer	4.50			3782.00	28.50 Bottom Of Top Packer
Change Over Sub	0.75			3782.75	
Drill Pipe	62.00			3844.75	
Change Over Sub	0.75			3845.50	
Anchor	26.00			3871.50	
Recorder	0.00	9119	Inside	3871.50	
Recorder	0.00	9139	Outside	3871.50	
Bullnose	5.00			3876.50	94.50 Anchor Tool

**Total Tool Length: 123.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Satchell Creek Petroleum

3032 N Cortina  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 1**

Test Start: 2023.07.28 @ 20:15:29

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 55.00 sec/qt  
Water Loss: 7.00 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4200.00 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
80.00	Drilling Mud few spotty traces of oil	

Total Length: 80.00 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

3032 N Cortina  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 1**

Test Start: 2023.07.28 @ 20:15:29

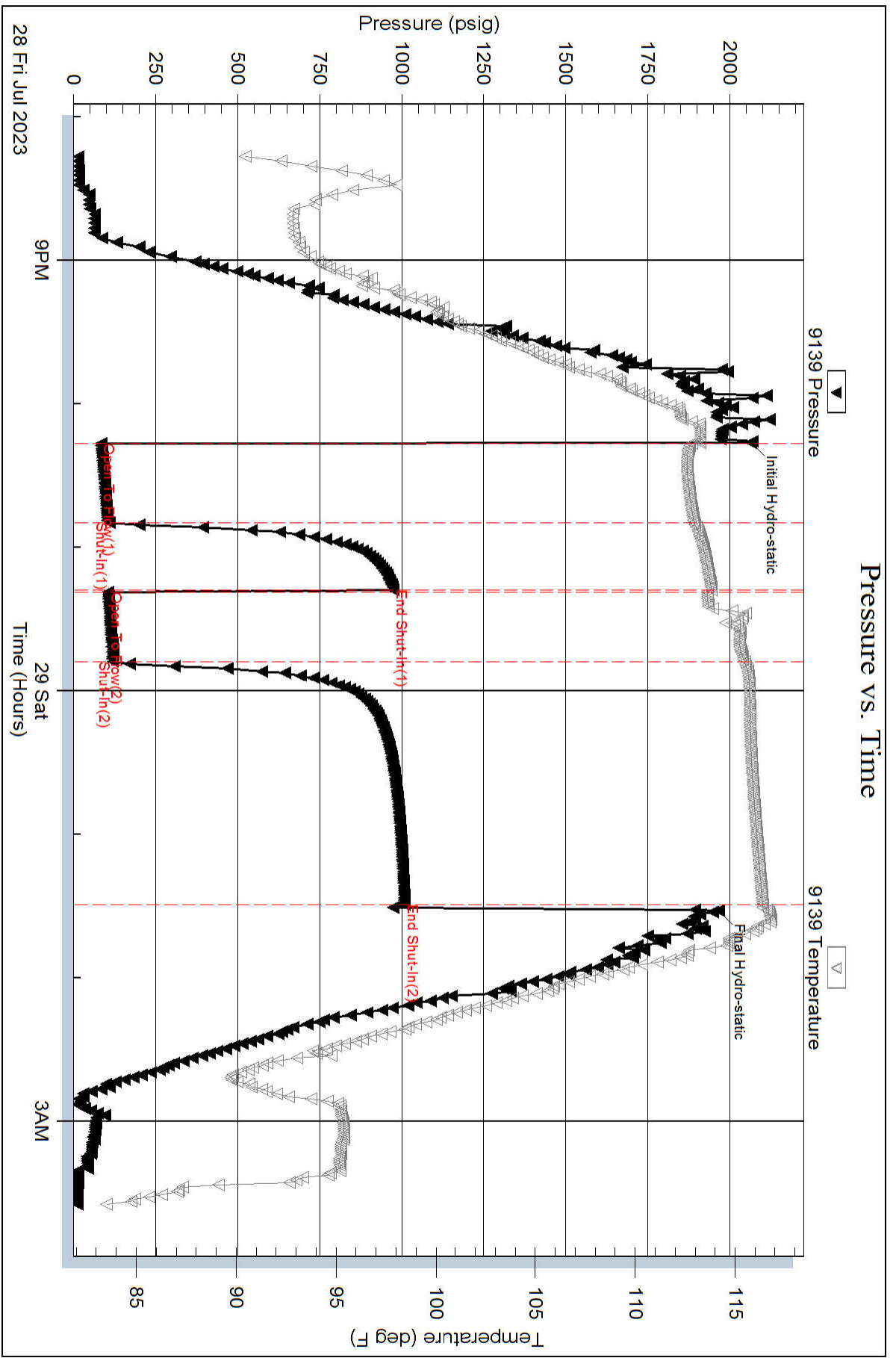
## Gas Rates Information

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  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Hobbs A1-28**

**Graham 28-10S-25W**

Start Date: 2023.07.29 @ 22:18:50

End Date: 2023.07.30 @ 09:18:20

Job Ticket #: 01597                      DST #: 2

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

Printed: 2023.07.31 @ 12:20:39



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

**Graham 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 2**

ATTN: Chris Leiker & Sean

Test Start: 2023.07.29 @ 22:18:50

## GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:51:20

Time Test Ended: 09:18:20

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

**Interval: 3876.00 ft (KB) To 3896.00 ft (KB) (TVD)**

Reference Elevations: 2511.00 ft (KB)

Total Depth: 3896.00 ft (KB) (TVD)

2504.00 ft (CF)

Hole Diameter: 8.75 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

## Serial #: 9139

Press@RunDepth: 42.20 psig @ ft (KB)

Capacity: psig

Start Date: 2023.07.29

End Date: 2023.07.30

Last Calib.: 1899.12.30

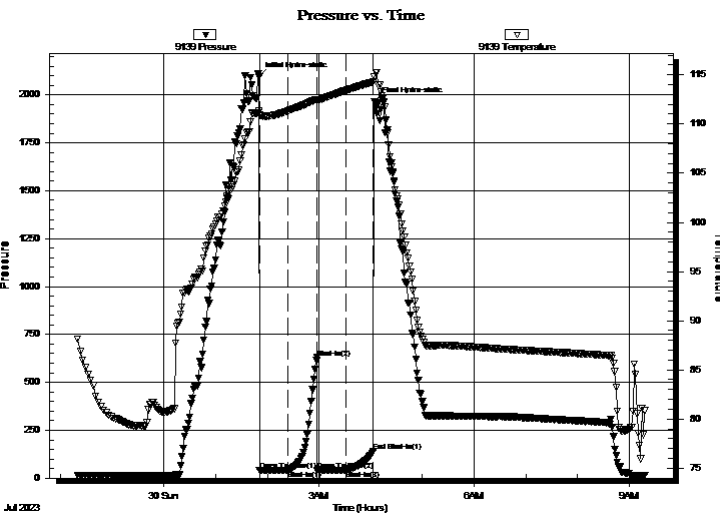
Start Time: 22:19:50

End Time: 09:18:20

Time On Btm: 2023.07.30 @ 01:50:20

Time Off Btm: 2023.07.30 @ 04:04:20

TEST COMMENT: Initial Opening: Surface Blow  
Blow back: N/A  
Second Opening: Weak surface blow for 3 mins and died  
Blow back: N/A



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2095.83	111.31	Initial Hydro-static
1	42.39	110.89	Open To Flow (1)
34	42.20	111.33	Shut-In(1)
67	629.04	112.53	Shut-In(2)
68	42.66	112.41	Open To Flow (2)
101	42.64	113.40	Shut-In(3)
133	140.60	114.28	End Shut-In(1)
134	1962.50	114.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud - Tool w as not plugged	

## Gas Rates

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





# DRILL STEM TEST REPORT

TOOL DIAGRAM

Satchell Creek Petroleum

**Graham 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 2**

ATTN: Chris Leiker & Sean

Test Start: 2023.07.29 @ 22:18:50

## Tool Information

Drill Pipe:	Length: 3880.00 ft	Diameter:	inches	Volume: 3769119 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:	38000.00 lb
				<u>Total Volume: 3769119 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.50 ft				String Weight: Initial	36000.00 lb
Depth to Top Packer:	3876.00 ft				Final	36000.00 lb
Depth to Bottom Packer:	ft					
Interval between Packers:	20.00 ft					
Tool Length:	48.50 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			3852.50	
Hydraulic tool	6.00			3858.50	
Jars	4.00			3862.50	
Safety Joint	2.50			3865.00	
Top Packer	6.50			3871.50	
Packer	4.50			3876.00	28.50 Bottom Of Top Packer
Anchor	15.00			3891.00	
Recorder	0.00	9119	Inside	3891.00	
Recorder	0.00	9139	Outside	3891.00	
Bullnose	5.00			3896.00	20.00 Anchor Tool
<b>Total Tool Length:</b>	<b>48.50</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Satchell Creek Petroleum

**Graham 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 2**

ATTN: Chris Leiker & Sean

Test Start: 2023.07.29 @ 22:18:50

### 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: 6.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling Mud - Tool was not plugged	

Total Length: 5.00 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 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 2**

ATTN: Chris Leiker & Sean

Test Start: 2023.07.29 @ 22:18:50

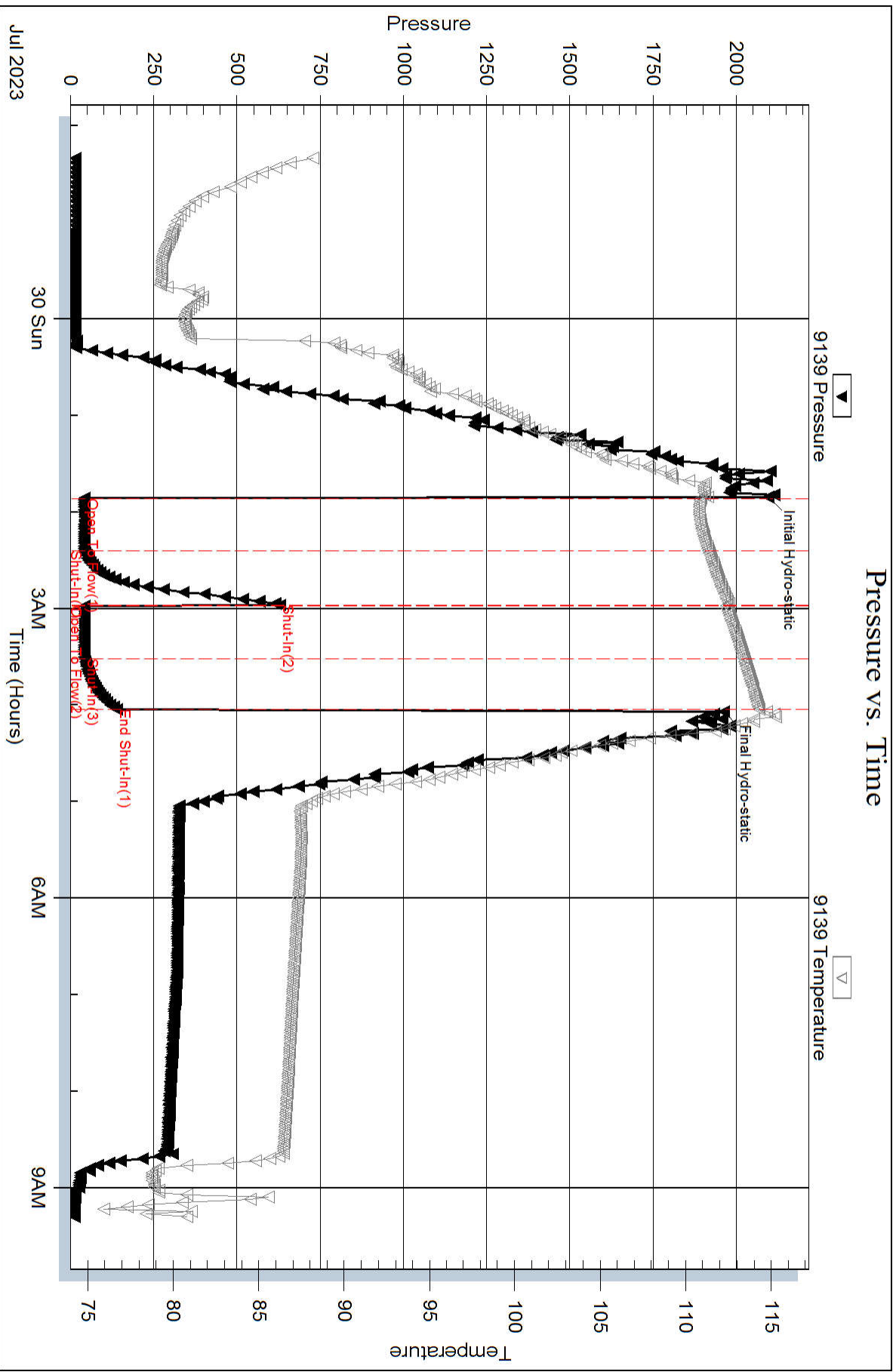
## Gas Rates Information

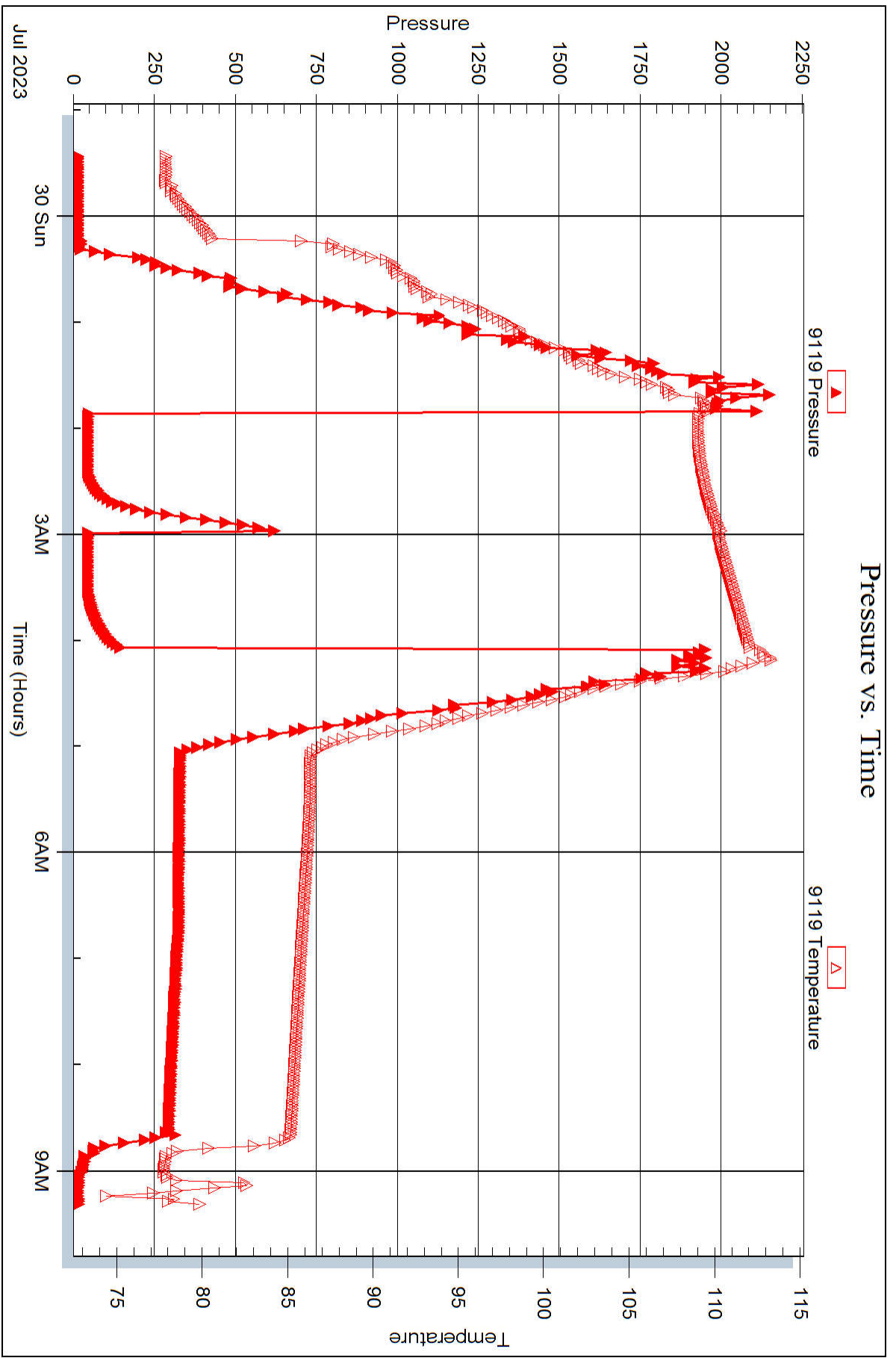
Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

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  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Hobbs A1-28**

**Graham 28-10S-25W**

Start Date: 2023.07.30 @ 11:23:29

End Date: 2023.07.30 @ 18:22:29

Job Ticket #: 01597                      DST #: 3

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

Printed: 2023.07.31 @ 12:19:35

Satchell Creek Petroleum  
Graham 28-10S-25W  
Hobbs A1-28  
DST # 3  
Lansing H-J  
2023.07.30



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

**Graham 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 3**

ATTN: Chris Leiker & Sean

Test Start: 2023.07.30 @ 11:23:29

## GENERAL INFORMATION:

Formation: **Lansing H-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:20:29

Time Test Ended: 18:22:29

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad F Geist

Unit No: 1

**Interval: 3930.00 ft (KB) To 4012.00 ft (KB) (TVD)**

Reference Elevations: 2511.00 ft (KB)

Total Depth: 4012.00 ft (KB) (TVD)

2504.00 ft (CF)

Hole Diameter: 8.75 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

## Serial #: 9139

Press@RunDepth: 92.03 psig @ ft (KB)

Capacity: psig

Start Date: 2023.07.30

End Date: 2023.07.30

Last Calib.: 1899.12.30

Start Time: 11:33:29

End Time: 18:31:29

Time On Btm: 2023.07.30 @ 14:27:59

Time Off Btm: 2023.07.30 @ 16:31:29

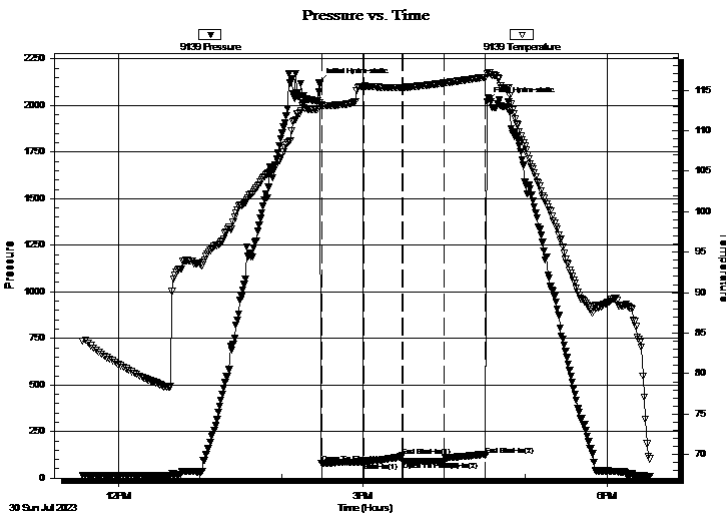
TEST COMMENT: Initial Opening: 1.5" in 30 mins

Blow back: N/A

Second Opening: N/A

Blow back: N/A

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2124.69	113.11	Initial Hydro-static
2	77.94	113.15	Open To Flow (1)
33	86.28	115.47	Shut-In(1)
61	119.24	115.36	End Shut-In(1)
62	89.06	115.35	Open To Flow (2)
92	92.03	115.88	Shut-In(2)
123	121.56	116.60	End Shut-In(2)
124	2021.11	117.07	Final Hydro-static

## Recovery

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

## Gas Rates

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





# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Satchell Creek Petroleum

**Graham 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 3**

ATTN: Chris Leiker & Sean

Test Start: 2023.07.30 @ 11:23:29

## Tool Information

Drill Pipe:	Length: 3919.00 ft	Diameter:	inches	Volume: 3807005 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:	47000.00 lb
				<u>Total Volume: 3807005 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.50 ft				String Weight: Initial	37000.00 lb
Depth to Top Packer:	3930.00 ft				Final	38000.00 lb
Depth to Bottom Packer:	ft					
Interval between Packers:	85.50 ft					
Tool Length:	112.00 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			3908.50	
Hydraulic tool	6.00			3914.50	
Jars	4.00			3918.50	
Safety Joint	2.50			3921.00	
Top Packer	4.50			3925.50	
Packer	4.50			3930.00	26.50 Bottom Of Top Packer
Change Over Sub	0.75			3930.75	
Drill Pipe	62.00			3992.75	
Change Over Sub	0.75			3993.50	
Anchor	17.00			4010.50	
Recorder	0.00	9119	Inside	4010.50	
Recorder	0.00	9139	Outside	4010.50	
Bullnose	5.00			4015.50	85.50 Anchor Tool

**Total Tool Length: 112.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Satchell Creek Petroleum

**Graham 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 3**

ATTN: Chris Leiker & Sean

Test Start: 2023.07.30 @ 11:23:29

### 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: 7.00 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Drilling Mud	

Total Length: 25.00 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 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 3**

ATTN: Chris Leiker & Sean

Test Start: 2023.07.30 @ 11:23:29

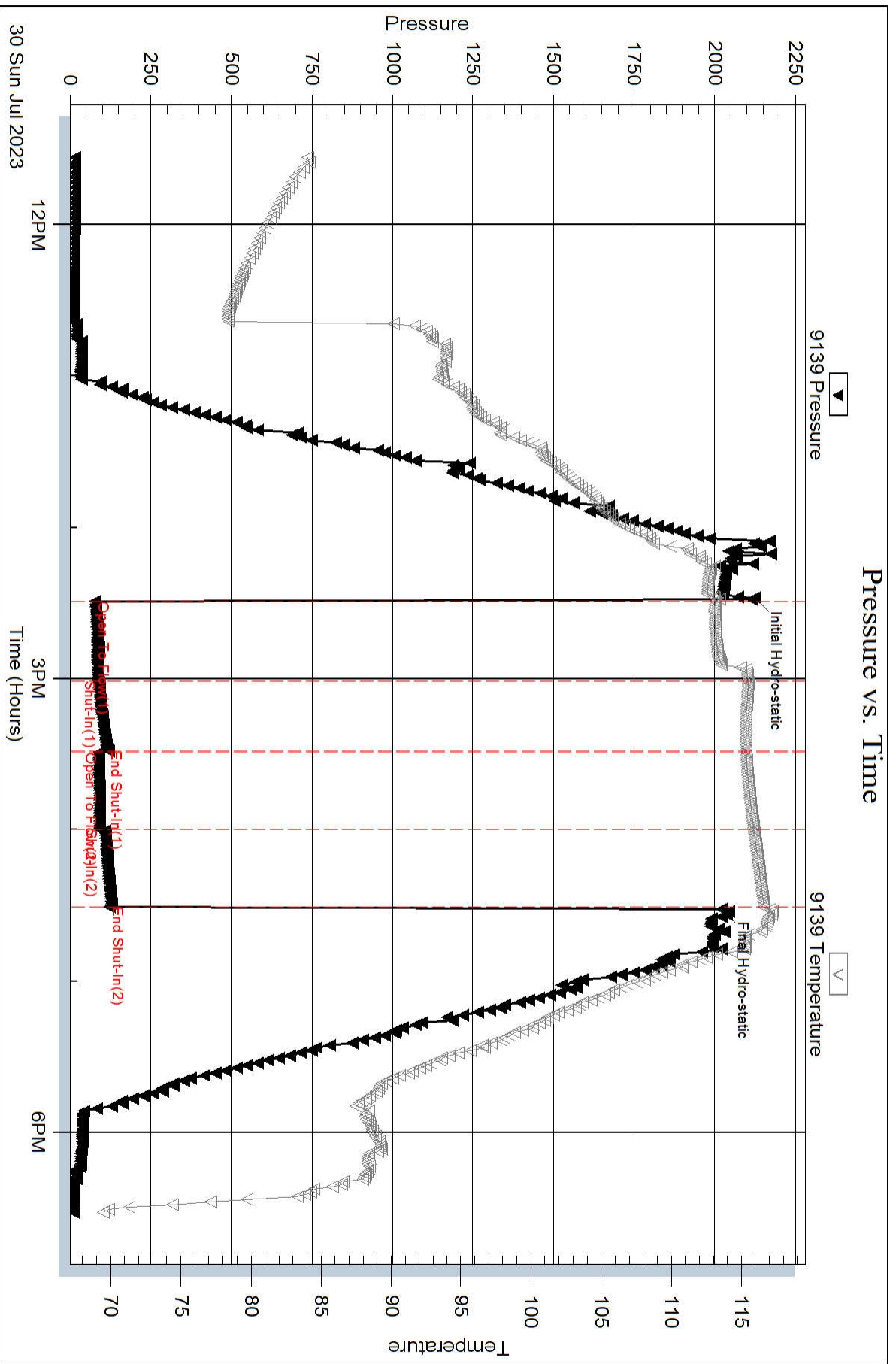
## Gas Rates Information

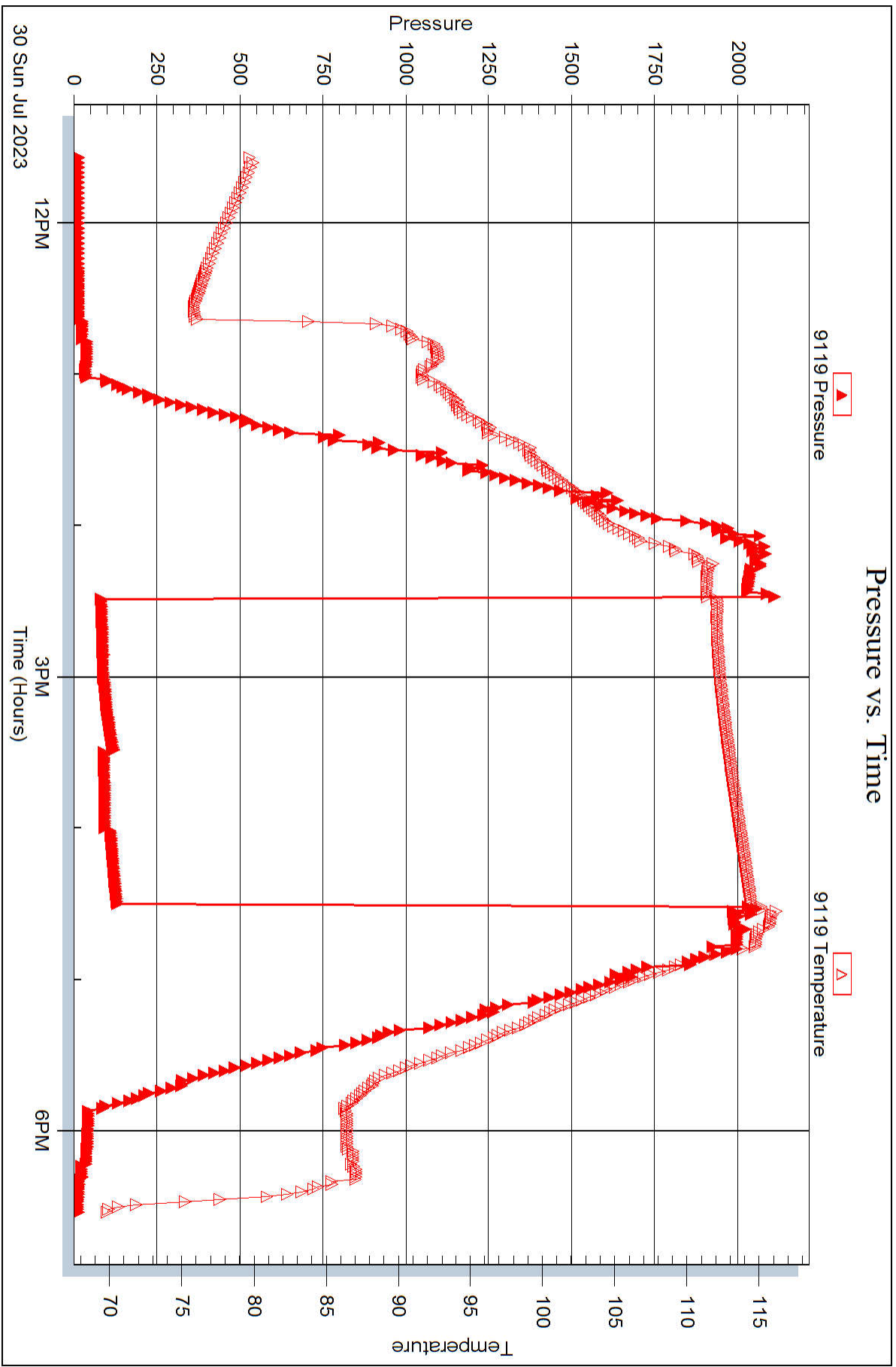
Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

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  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Hobbs A1-28**

**Graham 28-10S-25W**

Start Date: 2023.07.31 @ 12:03:48

End Date: 2023.07.31 @ 18:47:18

Job Ticket #: 01597                      DST #: 4

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

Printed: 2023.07.31 @ 12:22:53



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

**Graham 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

ATTN: Chris Leiker & Sean

Job Ticket: 01597

**DST#: 4**

Test Start: 2023.07.31 @ 12:03:48

## GENERAL INFORMATION:

Formation: **Lansing K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:21:48

Time Test Ended: 18:47:18

Test Type: Conventional Bottom Hole (Initial)

Tester: Chad FGeist

Unit No: 1

**Interval: 4006.00 ft (KB) To 4048.00 ft (KB) (TVD)**

Reference Elevations: 2511.00 ft (KB)

Total Depth: 4048.00 ft (KB) (TVD)

2504.00 ft (CF)

Hole Diameter: 8.75 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

## Serial #: 9139

Press@RunDepth: 273.02 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2023.07.31

End Date:

2023.07.31

Last Calib.: 1899.12.30

Start Time: 12:03:48

End Time:

18:47:18

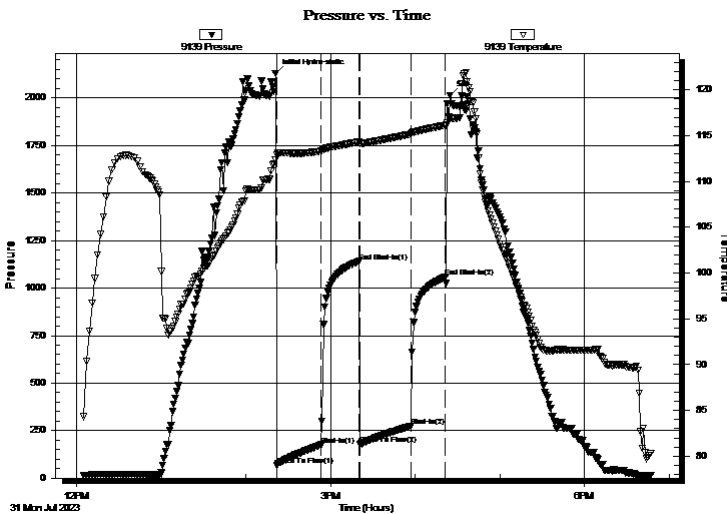
Time On Btm: 2023.07.31 @ 14:20:48

Time Off Btm:

TEST COMMENT: 30-30-30-30

Initial Opening: BOB in 15 mins  
Blow back: N/A

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2130.36	112.40	Initial Hydro-static
1	65.44	112.92	Open To Flow (1)
33	175.78	113.31	Shut-In(1)
59	1139.46	114.33	End Shut-In(1)
60	177.70	114.15	Open To Flow (2)
96	273.02	115.18	Shut-In(2)
121	1057.89	116.14	End Shut-In(2)
124	2011.01	116.92	540

## Recovery

Length (ft)	Description	Volume (bbl)
540.00	Salt Water/Heavy traces of oil in joints	
0.00	Chlorides 68,000	

## Gas Rates

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





# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Satchell Creek Petroleum

**Graham 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 4**

ATTN: Chris Leiker & Sean

Test Start: 2023.07.31 @ 12:03:48

## Tool Information

Drill Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Tool Weight:	10000.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight to Pull Loose:	50000.00 lb
					Total Volume:	- bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		ft					String Weight: Initial	37000.00 lb
Depth to Top Packer:	28.50	ft					Final	39000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:	42.00	ft						
Tool Length:	70.50	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			5.00	
Hydraulic tool	6.00			11.00	
Jars	4.00			15.00	
Safety Joint	2.50			17.50	
Top Packer	6.50			24.00	
Packer	4.50			28.50	28.50 Bottom Of Top Packer
Anchor	37.00			65.50	
Recorder	0.00	9119	Inside	65.50	
Recorder	0.00	9139	Outside	65.50	
Bullnose	5.00			70.50	42.00 Anchor Tool
<b>Total Tool Length:</b>	<b>70.50</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Satchell Creek Petroleum

**Graham 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 4**

ATTN: Chris Leiker & Sean

Test Start: 2023.07.31 @ 12:03:48

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 55.00 sec/qt  
Water Loss: 7.00 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4200.00 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
540.00	Salt Water/Heavy traces of oil in joints	
0.00	Chlorides 68,000	

Total Length: 540.00 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 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 4**

ATTN: Chris Leiker & Sean

Test Start: 2023.07.31 @ 12:03:48

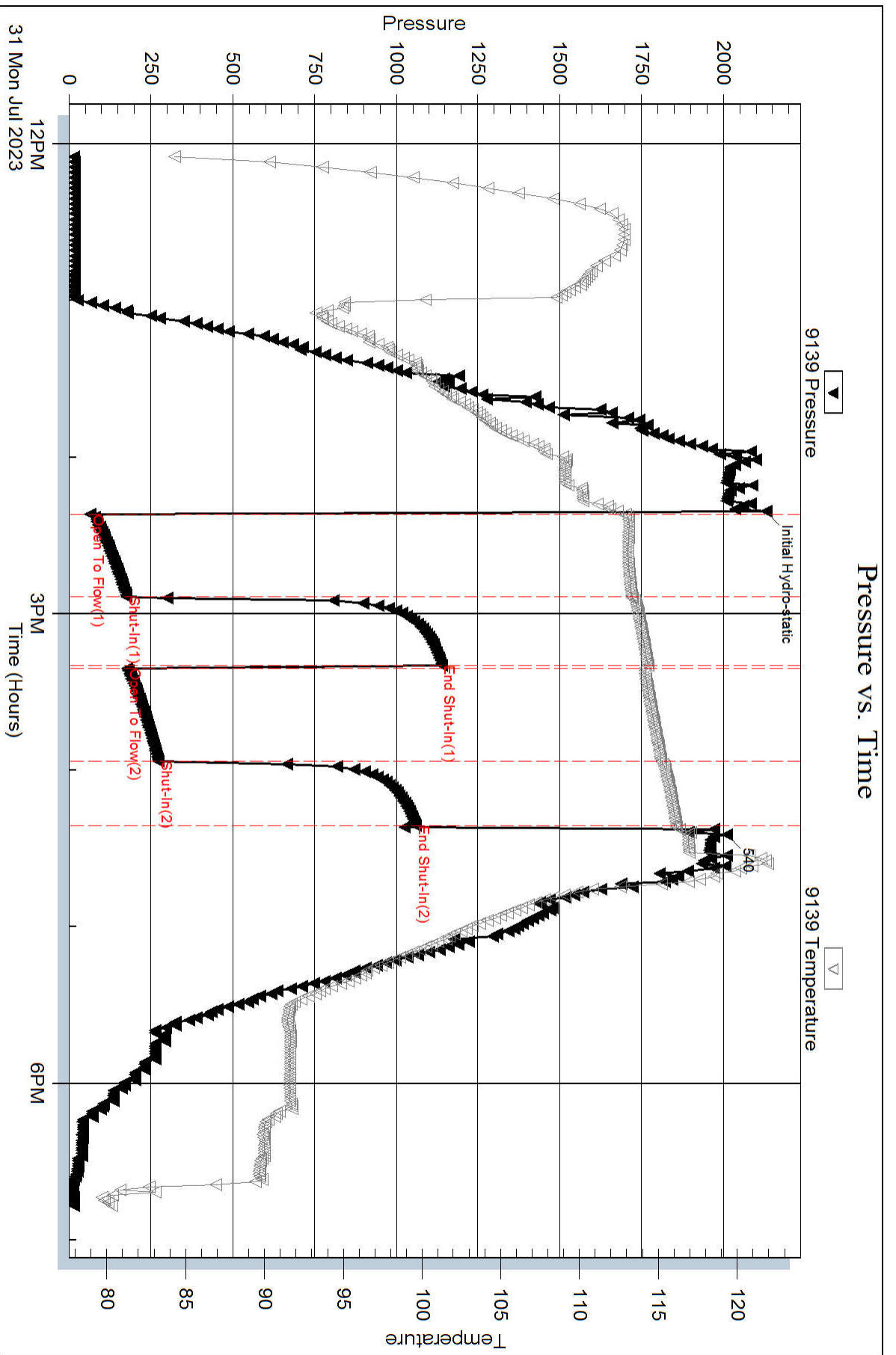
## Gas Rates Information

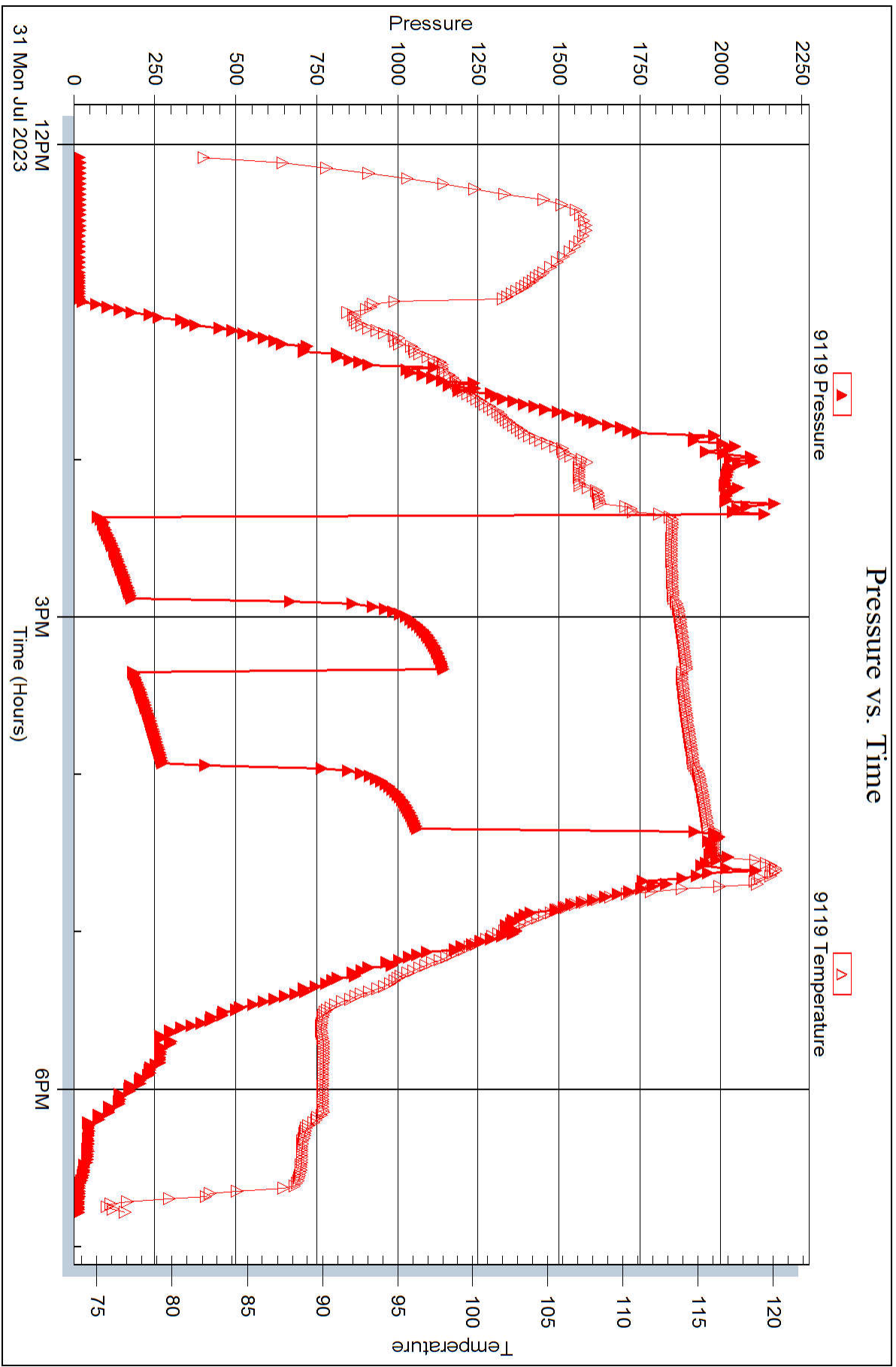
Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

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  
Wichita, KS 67205

ATTN: Chris Leiker & Sean

**Hobbs A1-28**

**Graham 28-10S-25W**

Start Date: 2023.08.02 @ 08:56:52

End Date: 2023.08.02 @ 17:15:22

Job Ticket #: 01597                      DST #: 5

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

Printed: 2023.08.02 @ 12:08:39



# DRILL STEM TEST REPORT

Satchell Creek Petroleum

**Graham 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 5**

ATTN: Chris Leiker & Sean

Test Start: 2023.08.02 @ 08:56:52

## GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:35:52

Time Test Ended: 17:15:22

Test Type: Conventional Straddle (Initial)

Tester: Chad F Geist

Unit No: 1

**Interval: 4110.00 ft (KB) To 4220.00 ft (KB) (TVD)**

Reference Elevations: 2511.00 ft (KB)

Total Depth: 4400.00 ft (KB) (TVD)

2504.00 ft (CF)

Hole Diameter: 8.75 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

## Serial #: 9139

Press@RunDepth: 99.84 psig @ ft (KB)

Capacity: psig

Start Date: 2023.08.02

End Date: 2023.08.02

Last Calib.: 1899.12.30

Start Time: 08:56:52

End Time: 17:15:22

Time On Btm: 2023.08.02 @ 10:35:22

Time Off Btm: 2023.08.02 @ 12:44:22

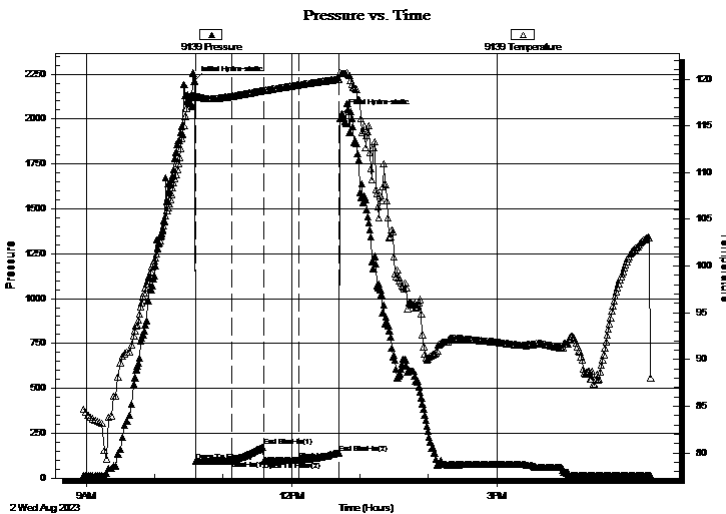
TEST COMMENT: Initial Opening: Built to 1" and held steady for 30 mins

Blow back: N/A

Second Opening: N/A

Blow back: N/A

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2211.72	118.31	Initial Hydro-static
1	93.15	118.00	Open To Flow (1)
33	99.29	118.18	Shut-In(1)
60	174.83	118.79	End Shut-In(1)
61	96.08	118.78	Open To Flow (2)
91	99.84	119.39	Shut-In(2)
127	140.23	120.01	End Shut-In(2)
129	2030.32	120.62	Final Hydro-static

## Recovery

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

## Gas Rates

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





# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Satchell Creek Petroleum

**Graham 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 5**

ATTN: Chris Leiker & Sean

Test Start: 2023.08.02 @ 08:56:52

## Tool Information

Drill Pipe: Length: ft	Diameter: inches	Volume: - bbl	Tool Weight: 10000.00 lb
Heavy Wt. Pipe: Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 20000.00 lb
Drill Collar: Length: ft	Diameter: inches	Volume: - bbl	Weight to Pull Loose: 45000.00 lb
	Total Volume: - bbl		Tool Chased 0.00 ft
Drill Pipe Above KB: ft			String Weight: Initial 40000.00 lb
Depth to Top Packer: ft			Final 40000.00 lb
Depth to Bottom Packer: ft			
Interval between Packers: 0.00 ft			
Tool Length: 314.00 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	102.00			130.50	
Recorder	0.00		Inside	130.50	
Recorder	0.00		Outside	130.50	
Blank Off Sub	1.00			131.50	
Packer - Shale	5.00			136.50	
Change Over Sub	0.75			137.25	
Drill Pipe	0.00	9119	Inside	137.25	
Change Over Sub	0.75	9139	Outside	138.00	
Anchor	171.00			309.00	
Recorder	0.00			309.00	
Bullnose	5.00			314.00	314.00
					Anchor Tool

**Total Tool Length: 314.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Satchell Creek Petroleum

**Graham 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 5**

ATTN: Chris Leiker & Sean

Test Start: 2023.08.02 @ 08:56:52

### 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: 7.00 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud	

Total Length: 10.00 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 28-10S-25W**

3032 N Cortina  
Wichita, KS 67205

**Hobbs A1-28**

Job Ticket: 01597

**DST#: 5**

ATTN: Chris Leiker & Sean

Test Start: 2023.08.02 @ 08:56:52

## 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



