

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

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

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

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

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

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

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

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

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

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

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

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

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

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

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

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

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

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

Plug Back  Liner  Conv. to GSW  Conv. to Producer

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

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

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

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

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

Spud Date or Date Reached TD Completion Date or Recompletion Date

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

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

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

Location of fluid disposal if hauled offsite:

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

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

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

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

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

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

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

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

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

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

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

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

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

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top _____ Bottom _____
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Woolsey Operating Co  
 125 N Market Ste 125  
 Wichita, KS 67202  
 ATTN: Bill Klaver

**1-22S-3W Harvey**

**Stucky 1**

Job Ticket: 65903

**DST#: 1**

Test Start: 2019.09.09 @ 08:06:00

## GENERAL INFORMATION:

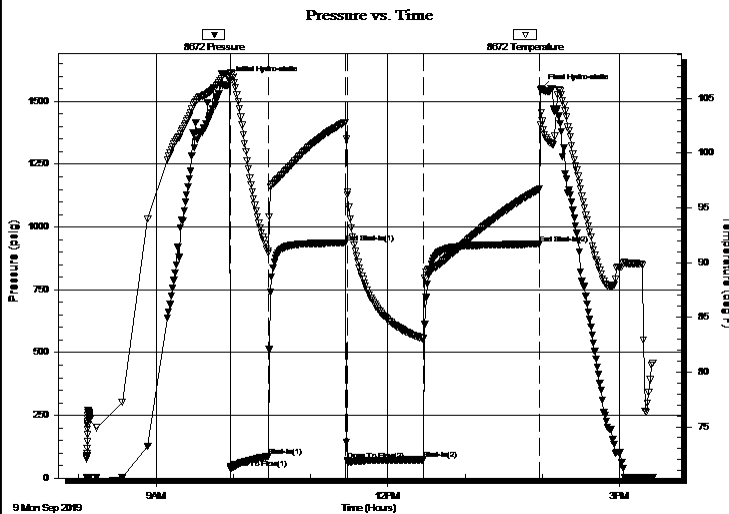
Formation: **Mississippi**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 09:58:02 Tester: Leal Cason  
 Time Test Ended: 15:26:02 Unit No: 74  
 Interval: **3150.00 ft (KB) To 3162.00 ft (KB) (TVD)** Reference Elevations: 1466.00 ft (KB)  
 Total Depth: 3162.00 ft (KB) (TVD) 1453.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 13.00 ft

**Serial #: 8672**

**Inside**

Press@RunDepth: 73.67 psig @ 3151.00 ft (KB) Capacity: psig  
 Start Date: 2019.09.09 End Date: 2019.09.09 Last Calib.: 2019.09.09  
 Start Time: 08:06:01 End Time: 15:26:02 Time On Btm: 2019.09.09 @ 09:56:47  
 Time Off Btm: 2019.09.09 @ 13:59:17

**TEST COMMENT:** IF: Strong Blow , BOB in 30 Seconds, GTS in 9 minutes, Gauged & Caught Sample  
 IS: No Blow Back  
 FF: Strong Blow , BOB & GTS Immediate, Gauged Gas  
 FS: No Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.86	107.26	Initial Hydro-static
2	37.22	107.39	Open To Flow (1)
31	85.86	90.86	Shut-In(1)
91	936.53	102.82	End Shut-In(1)
92	69.86	96.42	Open To Flow (2)
152	73.67	83.06	Shut-In(2)
242	932.55	96.79	End Shut-In(2)
243	1552.14	103.71	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	3146 GIP	0.00
5.00	SGCM 5%G 95%M	0.02

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	26.00	148.00
Last Gas Rate	0.50	31.00	209.12
Max. Gas Rate	0.38	47.00	172.17





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Co

**1-22S-3W Harvey**

125 N Market Ste 125  
Wichita, KS 67202

**Stucky 1**

Job Ticket: 65903

**DST#: 1**

ATTN: Bill Klaver

Test Start: 2019.09.09 @ 08:06:00

## 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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3146 GIP	0.000
5.00	SGCM 5%G 95%M	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating Co

**1-22S-3W Harvey**

125 N Market Ste 125  
Wichita, KS 67202

**Stucky 1**

Job Ticket: 65903

**DST#: 1**

ATTN: Bill Klaver

Test Start: 2019.09.09 @ 08:06:00

### Gas Rates Information

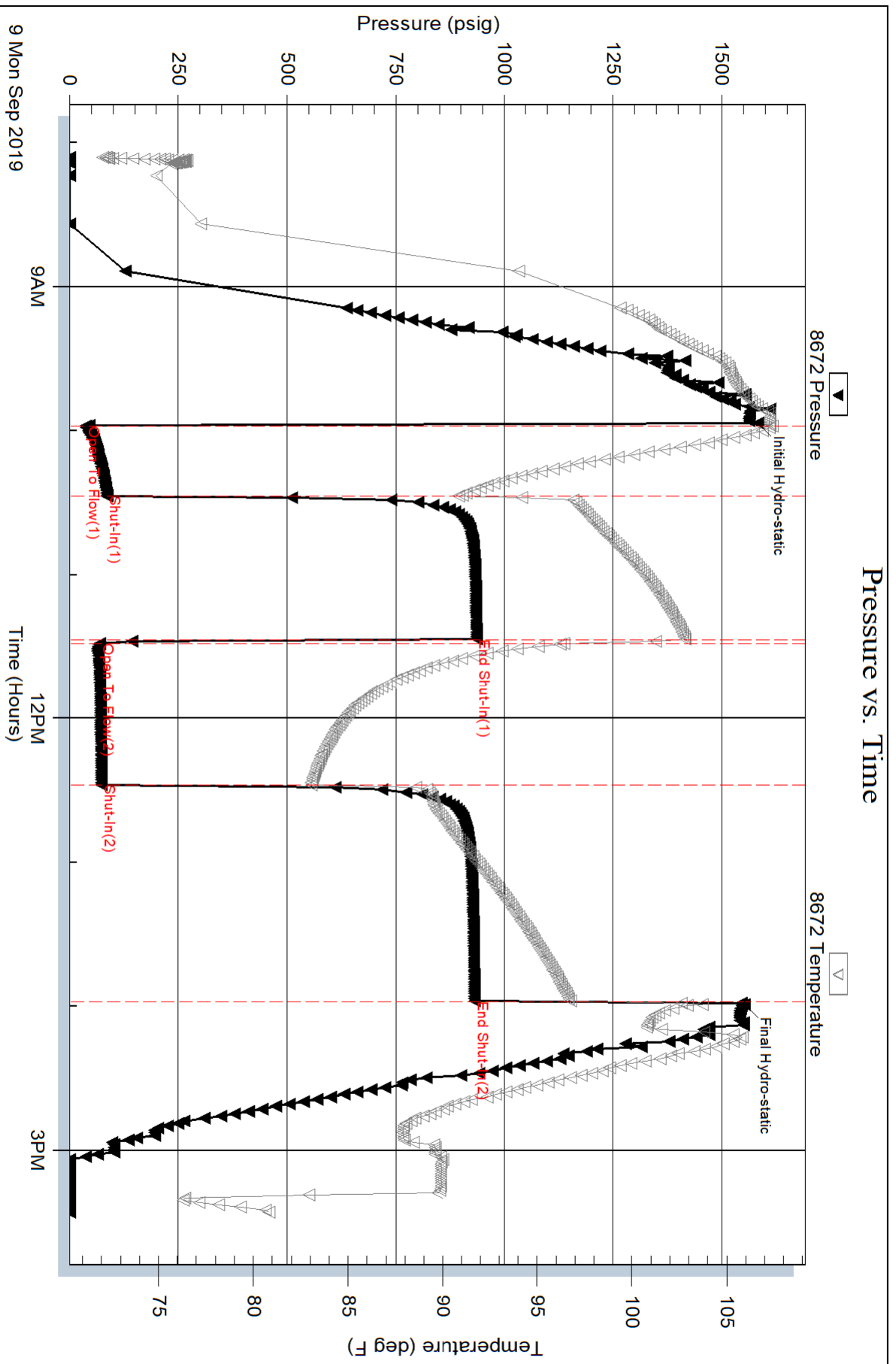
Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.38	26.00	148.00
1	20	0.38	38.00	139.20
1	30	0.38	47.00	172.17
2	10	0.50	28.00	188.88
2	20	0.50	29.00	195.63
2	30	0.50	30.00	202.37
2	40	0.50	30.00	202.37
2	50	0.50	31.00	209.12
2	60	0.50	31.00	209.12



# Pressure vs. Time

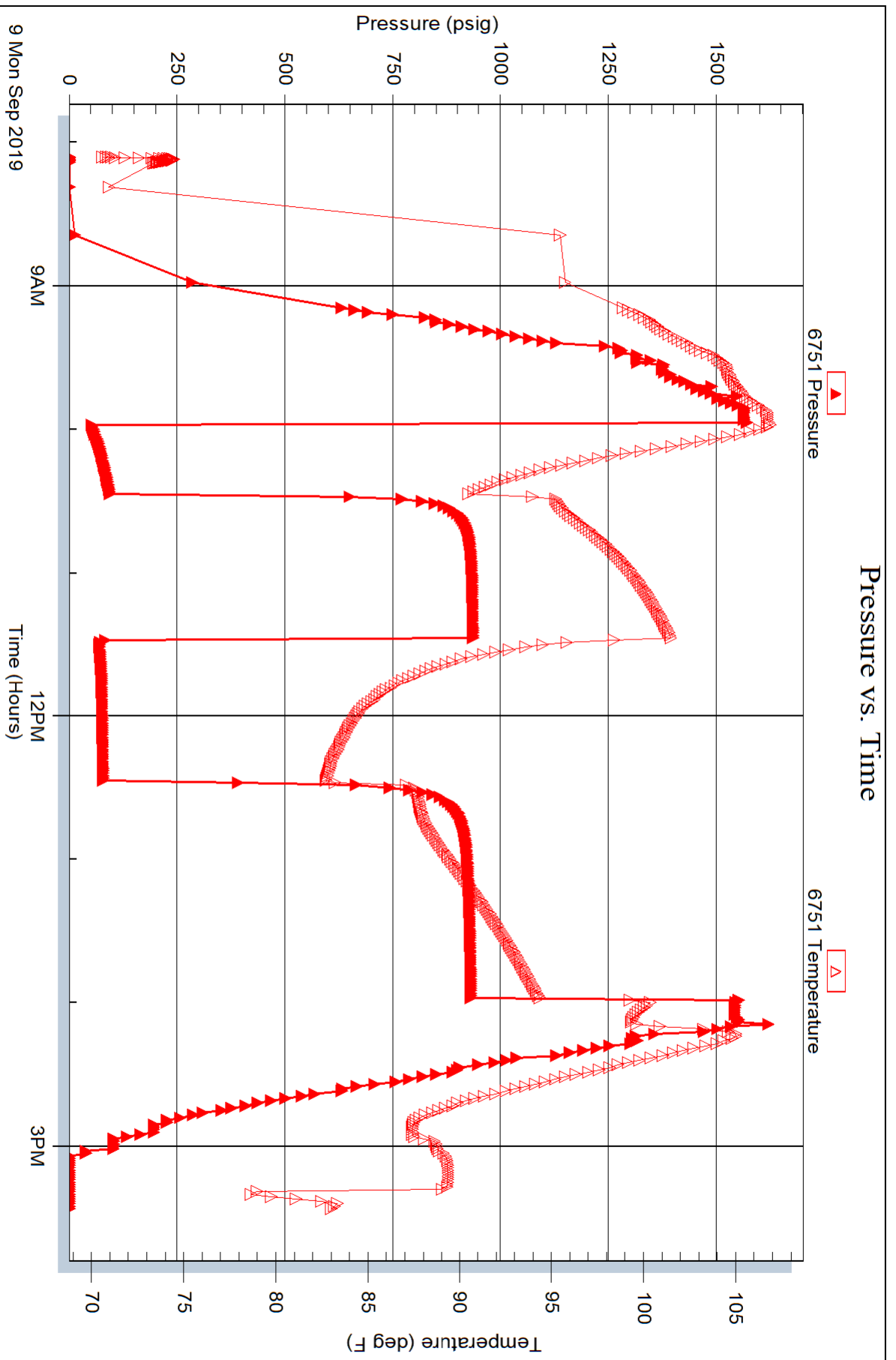


Serial #: 6751

Outside Woodsey Operating Co

Stucky 1

DST Test Number: 1





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Woolsey Operating Co  
125 N Market Ste 125  
Wichita, KS 67202  
ATTN: Bill Klaver

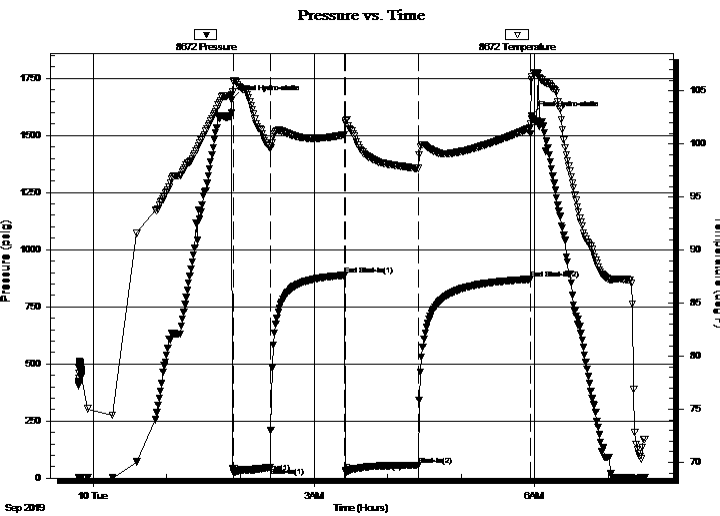
**1-22S-3W Harvey**  
**Stucky 1**  
Job Ticket: 65904      **DST#: 2**  
Test Start: 2019.09.09 @ 23:48:00

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 01:54:32  
Time Test Ended: 07:30:02  
Interval: **3190.00 ft (KB) To 3200.00 ft (KB) (TVD)**  
Total Depth: 3200.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Leal Cason  
Unit No: 74  
Reference Elevations: 1466.00 ft (KB)  
1453.00 ft (CF)  
KB to GR/CF: 13.00 ft

**Serial #: 8672      Inside**  
Press@RunDepth: 55.51 psig @ 3191.00 ft (KB)      Capacity:      psig  
Start Date: 2019.09.09      End Date: 2019.09.10      Last Calib.: 2019.09.10  
Start Time: 23:48:01      End Time: 07:30:02      Time On Btm: 2019.09.10 @ 01:52:32  
Time Off Btm: 2019.09.10 @ 05:57:17

**TEST COMMENT:** IF: Strong Blow , BOB in 30 seconds, GTS in 10 minutes, Gauged Gas  
IS: No Blow Back  
FF: Strong Blow , BOB & GTS Immediate, Gauged Gas  
FS: No Blow Back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.26	104.61	Initial Hydro-static
2	24.93	105.91	Open To Flow (1)
32	46.59	99.63	Shut-In(1)
93	887.62	100.91	End Shut-In(1)
94	28.62	102.22	Open To Flow (2)
153	55.51	97.73	Shut-In(2)
245	870.82	101.57	End Shut-In(2)
245	1586.95	106.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
5.00	SGCM 2%G 98%M	0.02

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	8.00	29.31
Last Gas Rate	0.25	28.00	44.42
Max. Gas Rate	0.25	29.00	46.01





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Co

**1-22S-3W Harvey**

125 N Market Ste 125  
Wichita, KS 67202

**Stucky 1**

Job Ticket: 65904

**DST#: 2**

ATTN: Bill Klaver

Test Start: 2019.09.09 @ 23:48:00

## 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: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 550.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GTS	0.000
5.00	SGCM 2%G 98%M	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating Co

**1-22S-3W Harvey**

125 N Market Ste 125  
Wichita, KS 67202

**Stucky 1**

Job Ticket: 65904

**DST#: 2**

ATTN: Bill Klaver

Test Start: 2019.09.09 @ 23:48:00

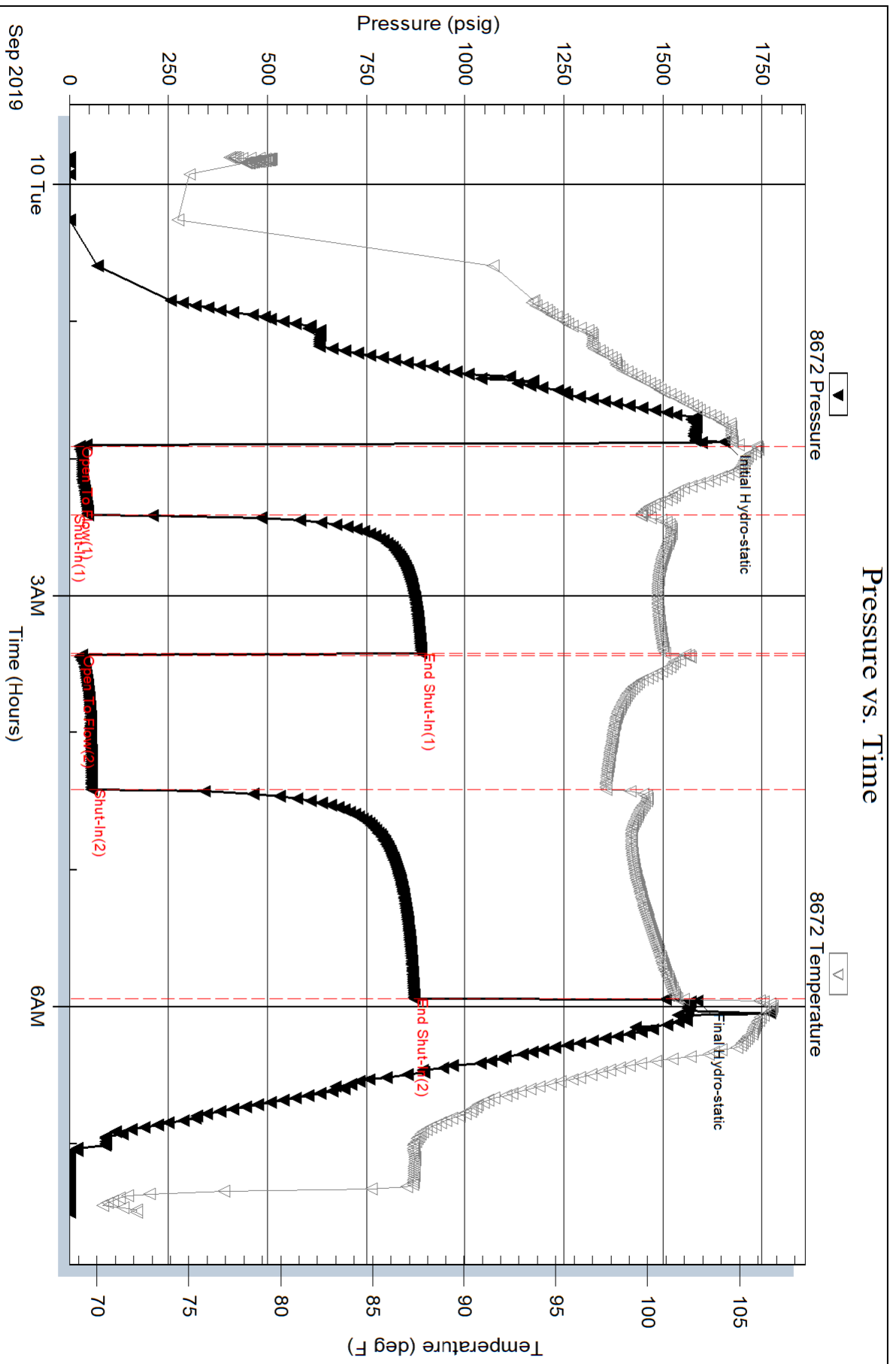
### Gas Rates Information

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)
1	10	0.38	8.00	29.31
1	10	0.38	8.00	29.31
1	20	0.25	13.00	20.62
1	30	0.25	20.00	31.73
2	10	0.25	23.00	36.49
2	20	0.25	28.00	44.42
2	30	0.25	29.00	46.01
2	40	0.25	28.00	44.42
2	50	0.25	28.00	44.42

### Pressure vs. Time

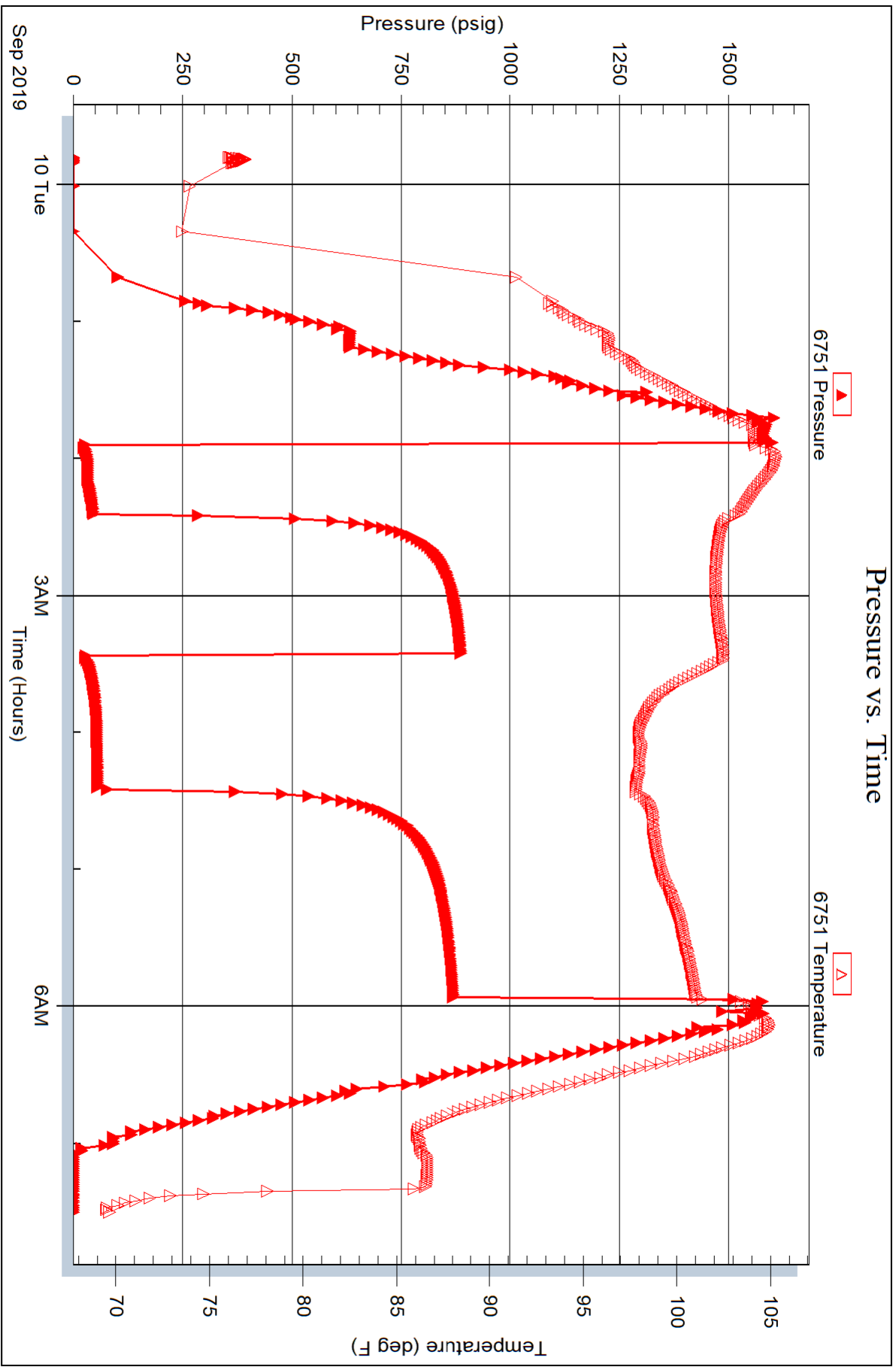


Serial #: 6751

Outside Woodsey Operating Co

Stucky 1

DST Test Number: 2







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Woolsey Operating Co  
125 N Market Ste 125  
Wichita, KS 67202  
ATTN: Bill Klaver

**1-22S-3W Harvey**

**Stucky 1**

Job Ticket: 65905

**DST#: 3**

Test Start: 2019.09.11 @ 10:35:00

## GENERAL INFORMATION:

Formation: **Hunton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:08:02

Time Test Ended: 18:03:02

Test Type: Conventional Bottom Hole (Reset)

Tester: Leal Cason

Unit No: 74

**Interval: 3454.00 ft (KB) To 3552.00 ft (KB) (TVD)**

Reference Elevations: 1466.00 ft (KB)

Total Depth: 3552.00 ft (KB) (TVD)

1453.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

**Serial #: 8672**

**Inside**

Press@RunDepth: 506.11 psig @ 3455.00 ft (KB)

Capacity: psig

Start Date: 2019.09.11

End Date:

2019.09.11

Last Calib.:

2019.09.11

Start Time: 10:35:01

End Time:

18:03:02

Time On Btm:

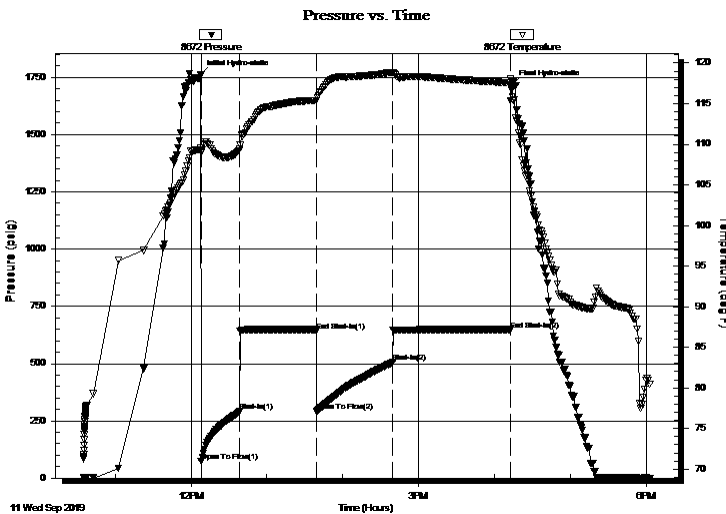
2019.09.11 @ 12:07:47

Time Off Btm:

2019.09.11 @ 16:14:17

**TEST COMMENT:** IF: Fair Blow , BOB in 8 minutes, Built to 45 inches  
IS: No Blow Back  
FF: Fair Blow , BOB in 12 minutes, Built to 77 inches  
FS: No Blow Back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1759.50	109.51	Initial Hydro-static
1	72.16	109.02	Open To Flow (1)
31	290.63	109.39	Shut-In(1)
91	643.48	115.37	End Shut-In(1)
92	291.32	115.33	Open To Flow (2)
152	506.11	118.81	Shut-In(2)
245	648.28	117.54	End Shut-In(2)
247	1716.16	115.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	134 GIP	0.00
180.00	Water	0.89
310.00	MCW 30%M 70%W	4.35
447.00	SOWCM 2%O 48%W 50%M	6.27

## Gas Rates

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

\* Recovery from multiple tests





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Co

**1-22S-3W Harvey**

125 N Market Ste 125  
Wichita, KS 67202

**Stucky 1**

Job Ticket: 65905

**DST#: 3**

ATTN: Bill Klaver

Test Start: 2019.09.11 @ 10:35:00

## 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:

26000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	134 GIP	0.000
180.00	Water	0.885
310.00	MCW 30%M 70%W	4.348
447.00	SOWCM 2%O 48%W 50%M	6.270

Total Length: 937.00 ft      Total Volume: 11.503 bbl

Num Fluid Samples: 0

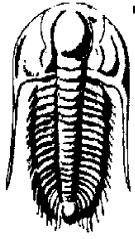
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW w as .23 @ 81 degrees



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating Co

**1-22S-3W Harvey**

125 N Market Ste 125  
Wichita, KS 67202

**Stucky 1**

Job Ticket: 65905

**DST#: 3**

ATTN: Bill Klaver

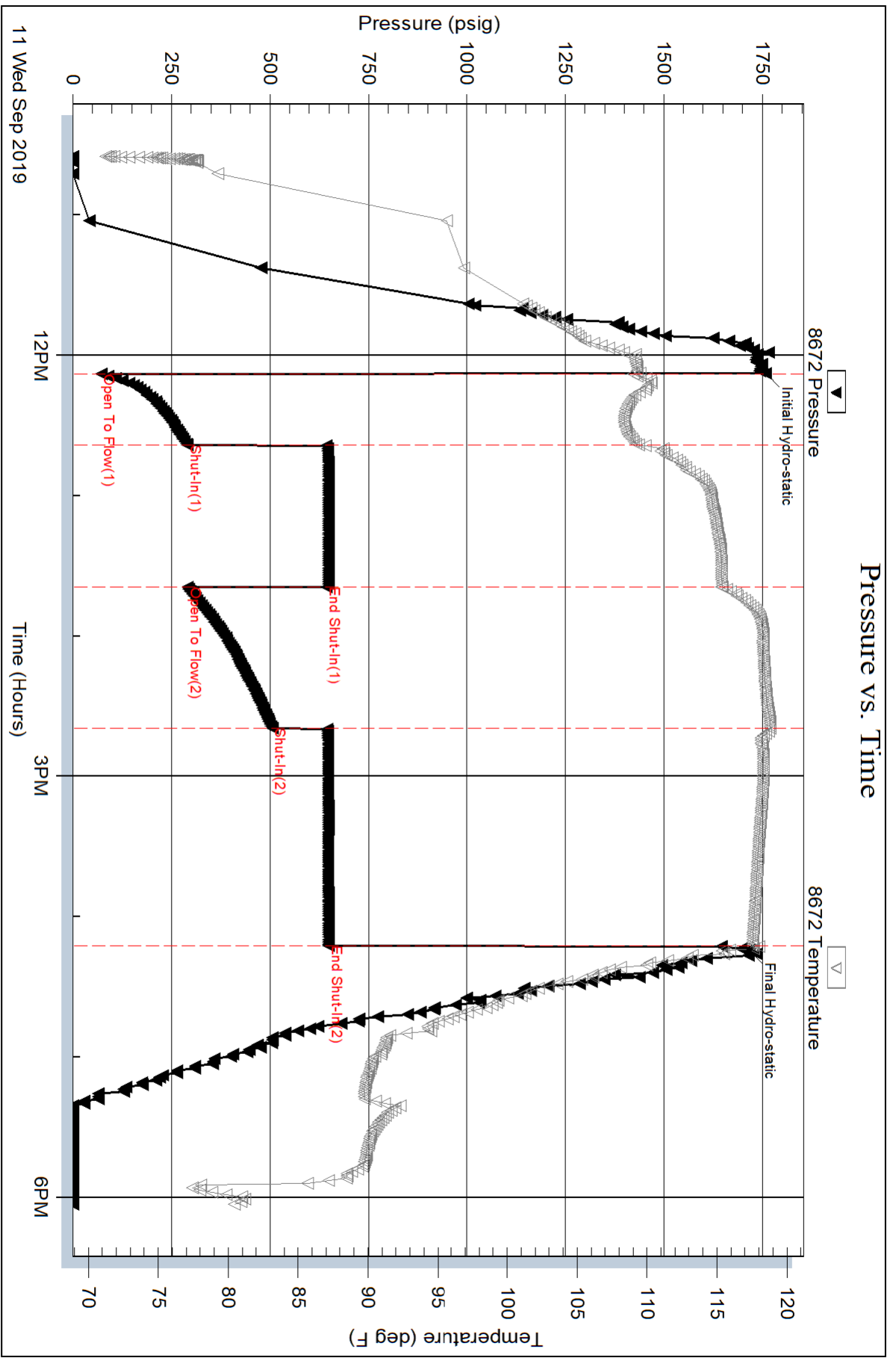
Test Start: 2019.09.11 @ 10:35:00

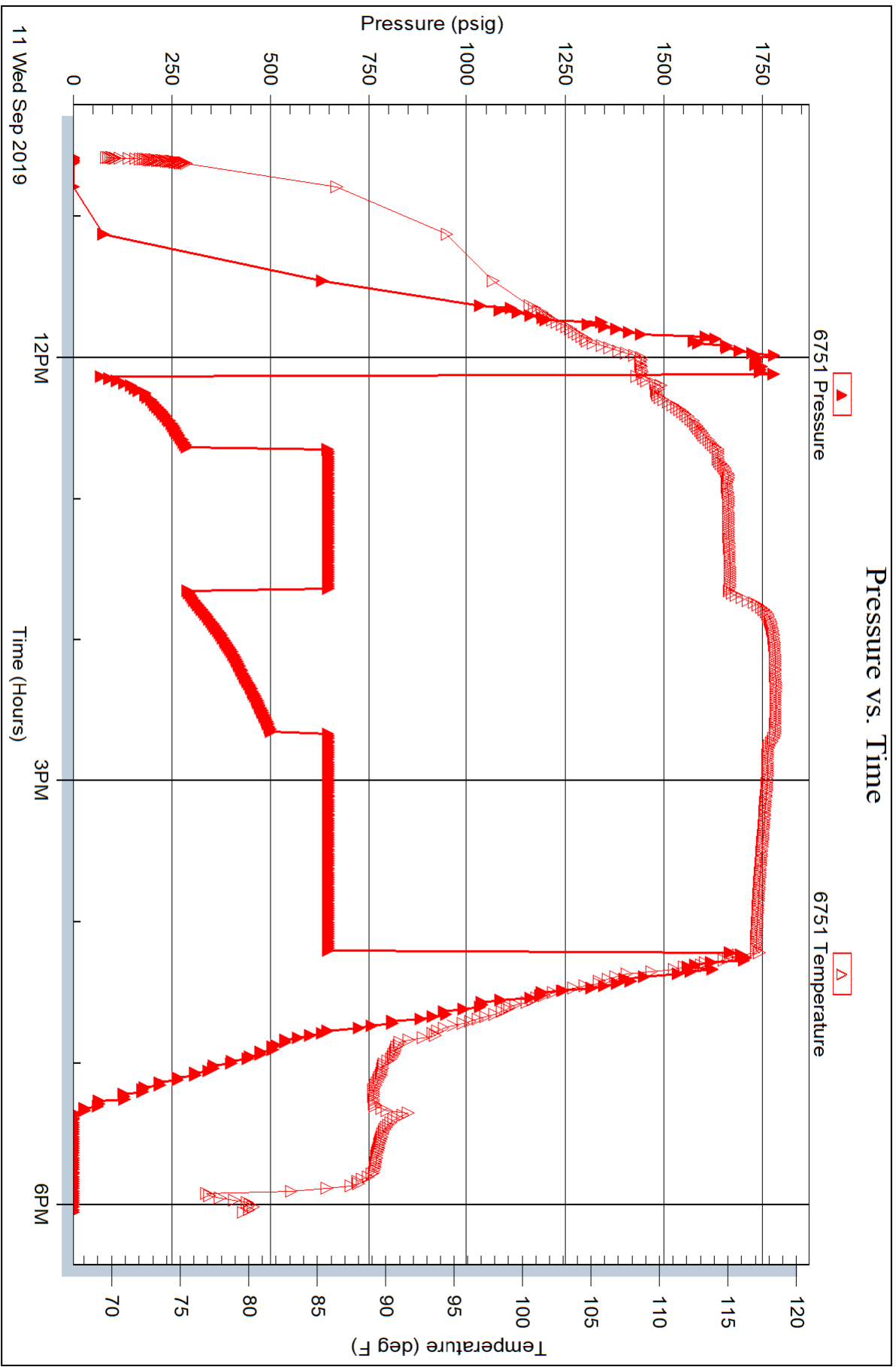
### Gas Rates Information

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





# Woolsey Operating Company, LLC

## Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: **STUCKY #1**  
 Location: **Section 1 - Township 22 South - Range 3 West**  
 License Number: **33168**  
 Spud Date: **September 4, 2019**  
 Surface Coordinates: **N/2 SW NE 1675' FNL & 2025' FEL**  
 Bottom Coordinates: **N/2 SW NE 1675' FNL & 2025' FEL**  
 Ground Elevation (ft): **1453'**  
 Logged Interval (ft): **2100'**  
 Type of Formation: **K.B. Elevation (ft): 1466'**  
 Drilling Fluid: **Topeka >>> Maquoketa Chemical Mud**  
 Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

**Company:** Woolsey Operating Company LLC  
**Address:** 125 N. Market, Suite 1000  
 Wichita, KS 67202

**OPERATOR**  
**Company:** Woolsey Operating Company LLC  
**Address:** 125 N. Market, Suite 1000  
 Wichita, KS 67202

**Name:** Bill Klaver  
**Company:** Woolsey Operating Co. LLC  
**Address:** 125 N. Market, Wichita Kansas, 67202

**GEOLOGIST**  
**Name:** Bill Klaver  
**Company:** Woolsey Operating Co. LLC  
**Address:** 125 N. Market, Wichita Kansas, 67202

**COMMENTS**  
 Surface casing: Spud September 4, 2019 at 6:30 pm, ran 6 joints of 8 5/8" X 24#/ft new casing to 266' KB.  
 Cemented with 200 sx 60/40 poz mix, 3% cc, 1#48 celo flake. Plug down 1:30 am on September 5, 2019. Cement did circulate.  
 Production casing: 2175'  
 Deviation Surveys: 1 at 275', 1.5 at 770', 75 at 1206', 1 at 1770', 1 at 2210', 75 at 2708', 1.25 at 3162', 1 at 3552'  
 Pipe Strap @ 3162' Strap 3161.11, Board: 3177.50, Strap 3.01' long. No correction was made to the board.  
 Duke Rig 7 bit record:  
 1) 12 1/4" Varel RR in at 0' out at 275', 3 hrs  
 2) 7 7/8" OK BD 52C in at 275' out at 3630', 93 3/4 hours

**Gas Detector:** Pason Systems  
**Mud System:** Mud-Co. Jason Whiting, Matt Smith, Engineers  
**DST:** Tribotek Testing, Leal Cason, Tester  
**E-Logs:** ELI, Dual Induction Laterolog w/SP, CNL-FDC/W/PE, GR and Calliper. Jeff Leubbers, Engineer  
**Company Rep:** Alan Dick

**DSTs**  
 DST #1 3150'-3162', Mississippi Warsaw, 30" 40" 60" 90" SB BOB in 30 seconds, GTS in 9 minutes, IFP: 10" 20" 30" 40" 50" 60" 70" 80" 90" 100" 110" 120" 130" 140" 150" 160" 170" 180" 190" 200" 210" 220" 230" 240" 250" 260" 270" 280" 290" 300" 310" 320" 330" 340" 350" 360" 370" 380" 390" 400" 410" 420" 430" 440" 450" 460" 470" 480" 490" 500" 510" 520" 530" 540" 550" 560" 570" 580" 590" 600" 610" 620" 630" 640" 650" 660" 670" 680" 690" 700" 710" 720" 730" 740" 750" 760" 770" 780" 790" 800" 810" 820" 830" 840" 850" 860" 870" 880" 890" 900" 910" 920" 930" 940" 950" 960" 970" 980" 990" 1000" 1010" 1020" 1030" 1040" 1050" 1060" 1070" 1080" 1090" 1100" 1110" 1120" 1130" 1140" 1150" 1160" 1170" 1180" 1190" 1200" 1210" 1220" 1230" 1240" 1250" 1260" 1270" 1280" 1290" 1300" 1310" 1320" 1330" 1340" 1350" 1360" 1370" 1380" 1390" 1400" 1410" 1420" 1430" 1440" 1450" 1460" 1470" 1480" 1490" 1500" 1510" 1520" 1530" 1540" 1550" 1560" 1570" 1580" 1590" 1600" 1610" 1620" 1630" 1640" 1650" 1660" 1670" 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