

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](mailto: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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**CEMENT TREATMENT REPORT**

Customer: <b>Woolsey Operating LLC</b>	Well: <b>Birkenbaugh 2</b>	Ticket: <b>wp1204</b>
City, State: <b>Rago Kansas</b>	County: <b>Kingman Kansas</b>	Date: <b>3/10/2021</b>
Field Rep: <b>Allen Dick</b>	S-T-R: <b>16-29s-07w</b>	Service: <b>Surface</b>

Downhole Information	
Hole Size:	<b>12 1/4 in</b>
Hole Depth:	<b>260 ft</b>
Casing Size:	<b>8 5/8 in</b>
Casing Depth:	<b>256 ft</b>
Tubing / Liner:	<b>in</b>
Depth:	<b>ft</b>
Tool / Packer:	
Tool Depth:	<b>ft</b>
Displacement:	<b>15.0 bbls</b>

Calculated Slurry - Lead	
Blend:	<b>60/40 2&amp;3</b>
Weight:	<b>14.8 ppg</b>
Water / Sx:	<b>5.2 gal / sx</b>
Yield:	<b>1.21 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>43.0 bbls</b>
Total Sacks:	<b>200 sx</b>

Calculated Slurry - Tail	
Blend:	
Weight:	<b>ppg</b>
Water / Sx:	<b>gal / sx</b>
Yield:	<b>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>0.0 bbls</b>
Total Sacks:	<b>0 sx</b>

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
10:00 PM			-	-	on location job and safety
10:30 PM			-	-	rig up trucks
11:30 PM			-	-	start casing
12:10 AM			-	-	casing on bottom
12:16 AM			-	-	rig up and circulate
12:30 AM			-	-	rig up to start cement
	4.0	200.0			mix 200 sacks cement
		200.0	43.0	43.0	cement in
12:40 AM				43.0	start displacement
1:00 AM	3.0	150.0	15.0	58.0	displacement in
					close in well
					cement did circulate.....circulate 6bbls to the pit

Product/Service Code	Description	Unit of Measure	Quantity
cp070	60/40/2 Pozmix	sack	200.00
cp100	Calcium Chloride	lb	516.00
cp120	Cello-flake	lb	50.00
m015	Light Equipment Mileage	mi	40.00
m010	Heavy Equipment Mileage	mi	40.00
m020	Ton Mileage	lm	344.00
c010	Cement Pump Service	ea	1.00

CREW			SUMMARY		
Comenter:	<b>M Brungardt</b>	<b>916</b>	Average Rate	Average Pressure	Total Fluid
Pump Operator:	<b>R Osborn</b>	<b>179/522</b>	3.5 bpm	183 psi	58 bbls
Bulk #1:	<b>M Mattei</b>	<b>527/533</b>			
Bulk #2:					



**CEMENT TREATMENT REPORT**

Customer: Woolsey Operating LLC	Well: Birkenbaugh 2	Ticket: wp1229
City, State: Kingman Kansas	County: Kingman Kansas	Date: 3/20/2021
Field Rep: Allen Dick	S-T-R: 16-29s-07w	Service: plug

Downhole Information	Calculated Slurry - Lead	Calculated Slurry - Tail
Hole Size: 7 7/8 in	Blend: H plug	Blend:
Hole Depth: 1150 ft	Weight: 13.7 ppg	Weight: ppg
Casing Size: in	Water / Sx: 6.9 gal / sx	Water / Sx: gal / sx
Casing Depth: ft	Yield: 1.43 ft <sup>3</sup> / sx	Yield: ft <sup>3</sup> / sx
Tubing / Liner: in	Annular Bbls / Ft.: bbs / ft.	Annular Bbls / Ft.: bbs / ft.
Depth: ft	Depth: ft	Depth: ft
Tool / Packer:	Annular Volume: 0.0 bbls	Annular Volume: 0 bbls
Tool Depth: ft	Excess:	Excess:
Displacement: 12.0 bbls	Total Slurry: 0.0 bbls	Total Slurry: 0.0 bbls
	Total Sacks: 0 sx	Total Sacks: 0 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
6:15 AM			-	-	on location job and safety
				-	spot trucks
				-	
				-	1st plug 1150 ft
10:20 AM	4.0	300.0	3.0	3.0	fresh water ahead
			9.0	12.0	mix 35 sacks cement
			12.0	24.0	displace 12 bbls
				-	2nd plug 750 ft
10:40 AM	4.0	200.0	3.0	3.0	fresh water
			9.0	12.0	mix 35 sacks cement
			6.0		displace 6 bbls
					3rd plug 310ft
11:10 AM	4.0	200.0	3.0	3.0	fresh water ahead
			9.0		mix 35 sacks cement
			1.0		displace 1bbl
					4th plug 60ft
12:30 PM			5.0		mix 20 sacks
12:40 PM			7.0		rat hole mix 30 sacks
12:45 PM			5.0		mouse hole mix 20 sacks

CREW		UNIT	SUMMARY		
Cementer:	M Brungardt	916	Average Rate	Average Pressure	Total Fluid
Pump Operator:	R Osborn		4.0 bpm	233 psi	72 bbls
Bulk #1:	D Martinez				
Bulk #2:					



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating, Co., LLC

**16/29S/7W Kingman, KS**

125 North Market  
Suite 1000  
Wichita, KS 67202-1729  
ATTN: Dean Pattison/Bill

**Birkenbaugh #2**

Job Ticket: 66730

**DST#: 1**

Test Start: 2021.03.15 @ 23:29:00

## GENERAL INFORMATION:

Formation: **Lansing "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:38:00

Time Test Ended: 06:39:39

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

**Interval: 3730.00 ft (KB) To 3758.00 ft (KB) (TVD)**

Reference Elevations: 1610.00 ft (KB)

Total Depth: 3758.00 ft (KB) (TVD)

1602.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8369 Outside**

Press@RunDepth: 33.70 psig @ 3731.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.03.15

End Date:

2021.03.16

Last Calib.: 1899.12.30

Start Time: 23:29:01

End Time:

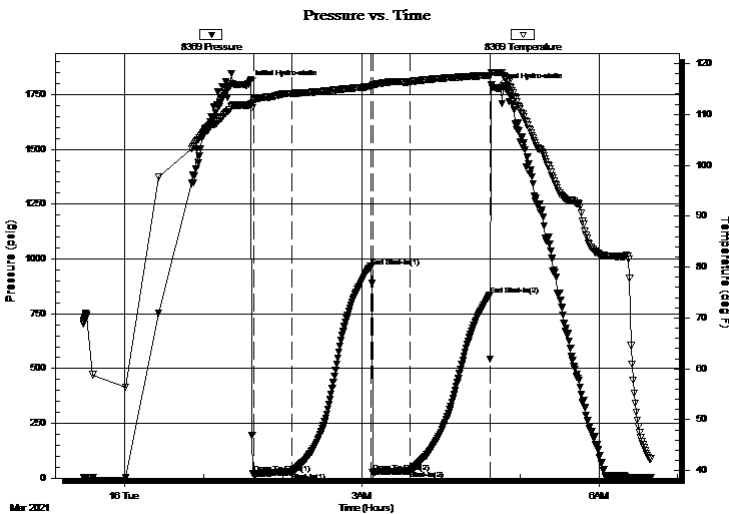
06:39:40

Time On Btm: 2021.03.16 @ 01:34:30

Time Off Btm: 2021.03.16 @ 04:41:00

**TEST COMMENT:** IF - Weak blow building to 12 inches of water during initial flow period.

FF - Weak blow building to strong blow 10 minutes into final flow period. Continuing to build to 19 inches of water.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1794.25	111.85	Initial Hydro-static
4	19.82	112.69	Open To Flow (1)
33	27.17	114.11	Shut-In(1)
93	965.51	115.47	End Shut-In(1)
94	26.94	115.68	Open To Flow (2)
123	33.70	116.42	Shut-In(2)
183	836.33	117.67	End Shut-In(2)
187	1780.28	118.22	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	VSOSM 2% O & 98% M	0.70
0.00	330 GIP 100% G	0.00

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Woolsey Operating, Co.,LLC

**16/29S/7W Kingman, KS**

125 North Market  
Suite 1000  
Wichita, KS 67202-1729  
ATTN: Dean Pattisson/Bill

**Birkenbaugh #2**

Job Ticket: 66730

**DST#: 1**

Test Start: 2021.03.15 @ 23:29:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

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

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	VSOSM 2% O & 98% M	0.701
0.00	330 GIP 100% G	0.000

Total Length: 50.00 ft      Total Volume: 0.701 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

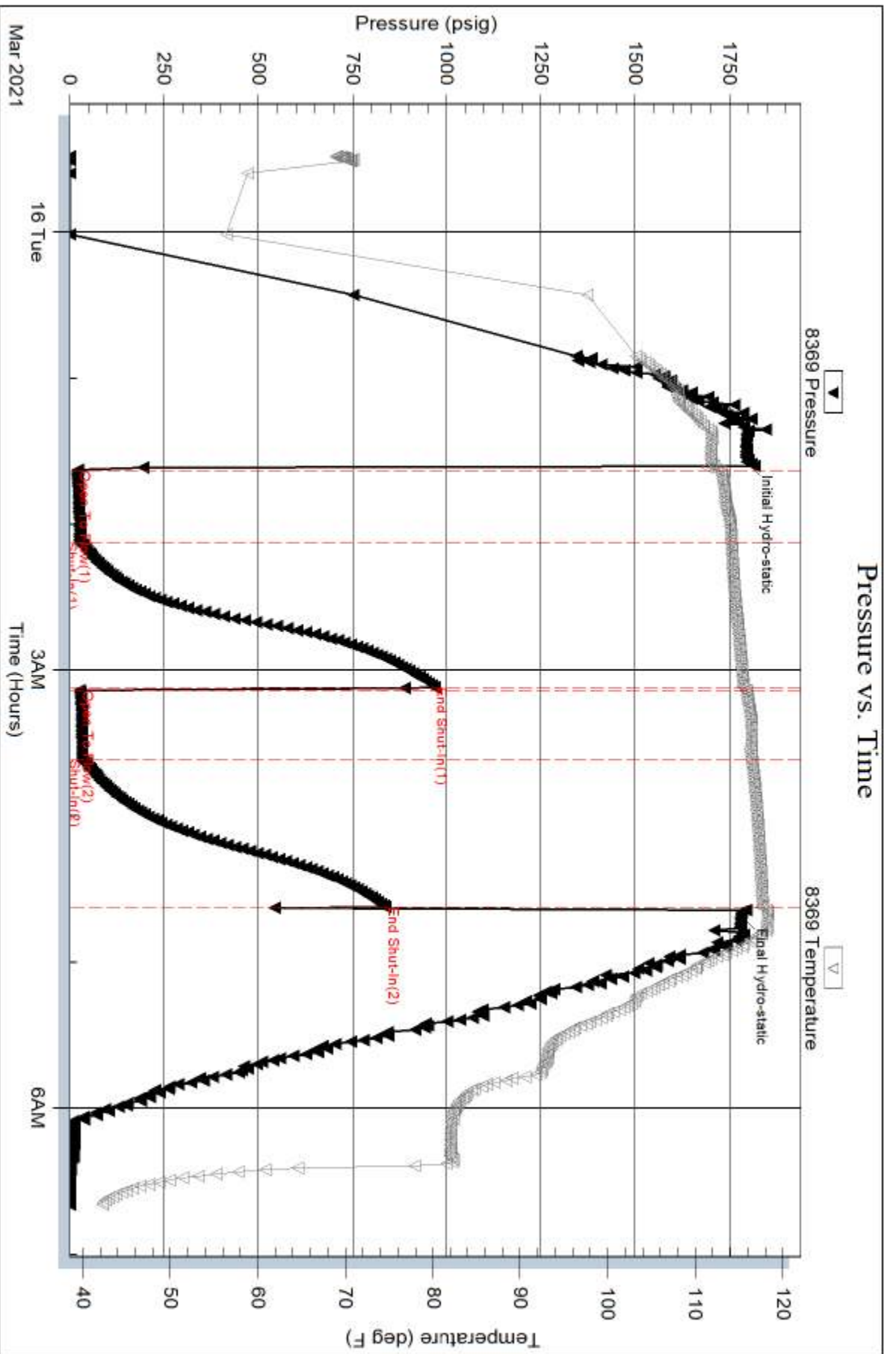
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





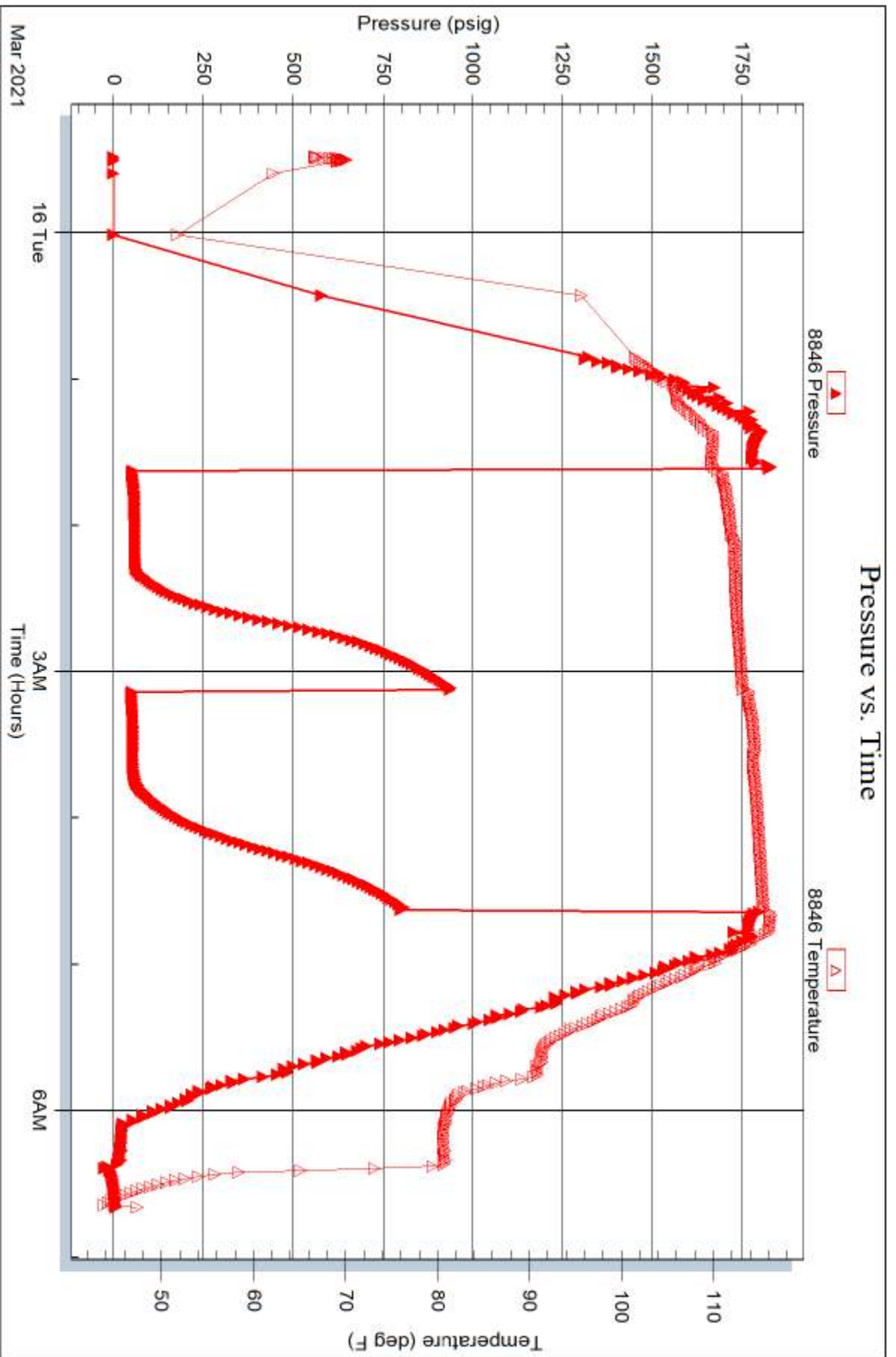
Serial #: 8846

Inside

Woodsey Operating, Co., LLC

Birkenbaugh #2

DST Test Number: 1





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating, Co., LLC

**16/29S/7W Kingman, KS**

125 North Market  
Suite 1000  
Wichita, KS 67202-1729  
ATTN: Dean Pattison/Bill

**Birkenbaugh #2**

Job Ticket: 66731 **DST#: 2**

Test Start: 2021.03.16 @ 16:50:00

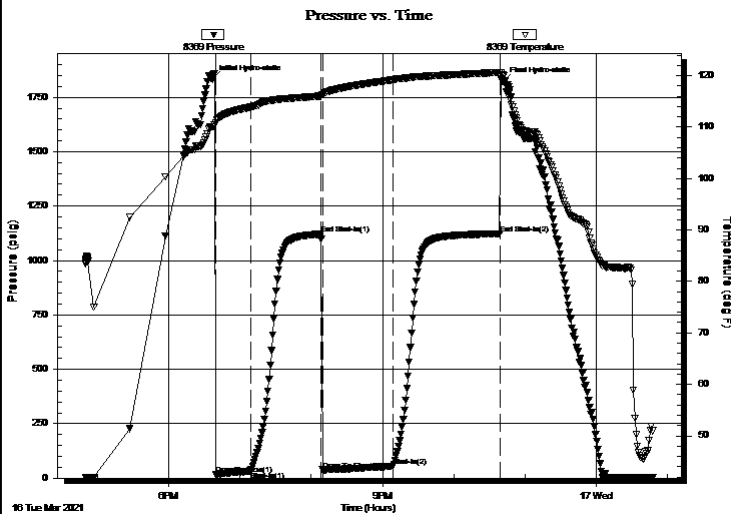
## GENERAL INFORMATION:

Formation: **Hertha**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:39:30  
 Time Test Ended: 00:48:20  
 Interval: **3800.00 ft (KB) To 3825.00 ft (KB) (TVD)**  
 Total Depth: 3825.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jimmy Ricketts  
 Unit No: 80  
 Reference Elevations: 1610.00 ft (KB)  
 1602.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8369 Outside**

Press@RunDepth: 54.86 psig @ 3801.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2021.03.16 End Date: 2021.03.17 Last Calib.: 1899.12.30  
 Start Time: 16:50:01 End Time: 00:48:20 Time On Btm: 2021.03.16 @ 18:37:00  
 Time Off Btm: 2021.03.16 @ 22:41:50

**TEST COMMENT:** IF - Weak blow building to strong blow 9 minutes into initial flow period. Continuing to build to 39 inches of water.  
 FF - Weak blow building to strong blow 2 minutes into final flow period. Continuing to build to 81 inches of water.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1833.52	110.09	Initial Hydro-static
3	18.02	110.76	Open To Flow (1)
32	32.11	113.89	Shut-In(1)
92	1121.24	116.06	End Shut-In(1)
93	37.97	116.41	Open To Flow (2)
152	54.86	119.26	Shut-In(2)
242	1122.58	120.64	End Shut-In(2)
245	1822.41	120.11	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
110.00	GSO&WCM 23%G 8%O 13%W 56%M	1.54
960.00	GIP 100%G	13.47

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Woolsey Operating, Co.,LLC

**16/29S/7W Kingman, KS**

125 North Market  
Suite 1000  
Wichita, KS 67202-1729  
ATTN: Dean Pattisson/Bill

**Birkenbaugh #2**

Job Ticket: 66731

**DST#: 2**

Test Start: 2021.03.16 @ 16:50:00

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

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

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	GSO&WCM 23%G 8%O 13%W 56%M	1.543
960.00	GIP 100%G	13.466

Total Length: 1070.00 ft      Total Volume: 15.009 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

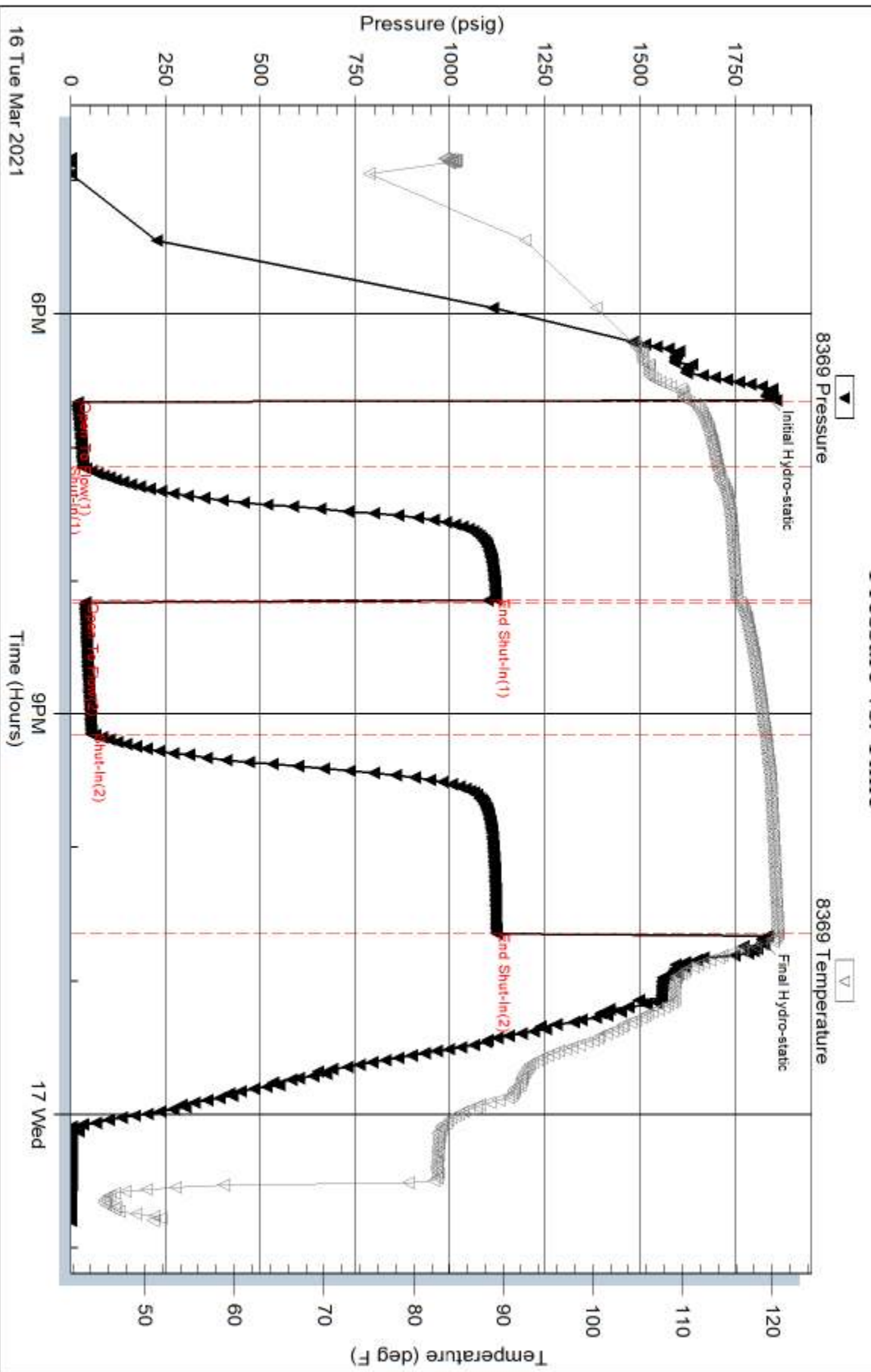
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



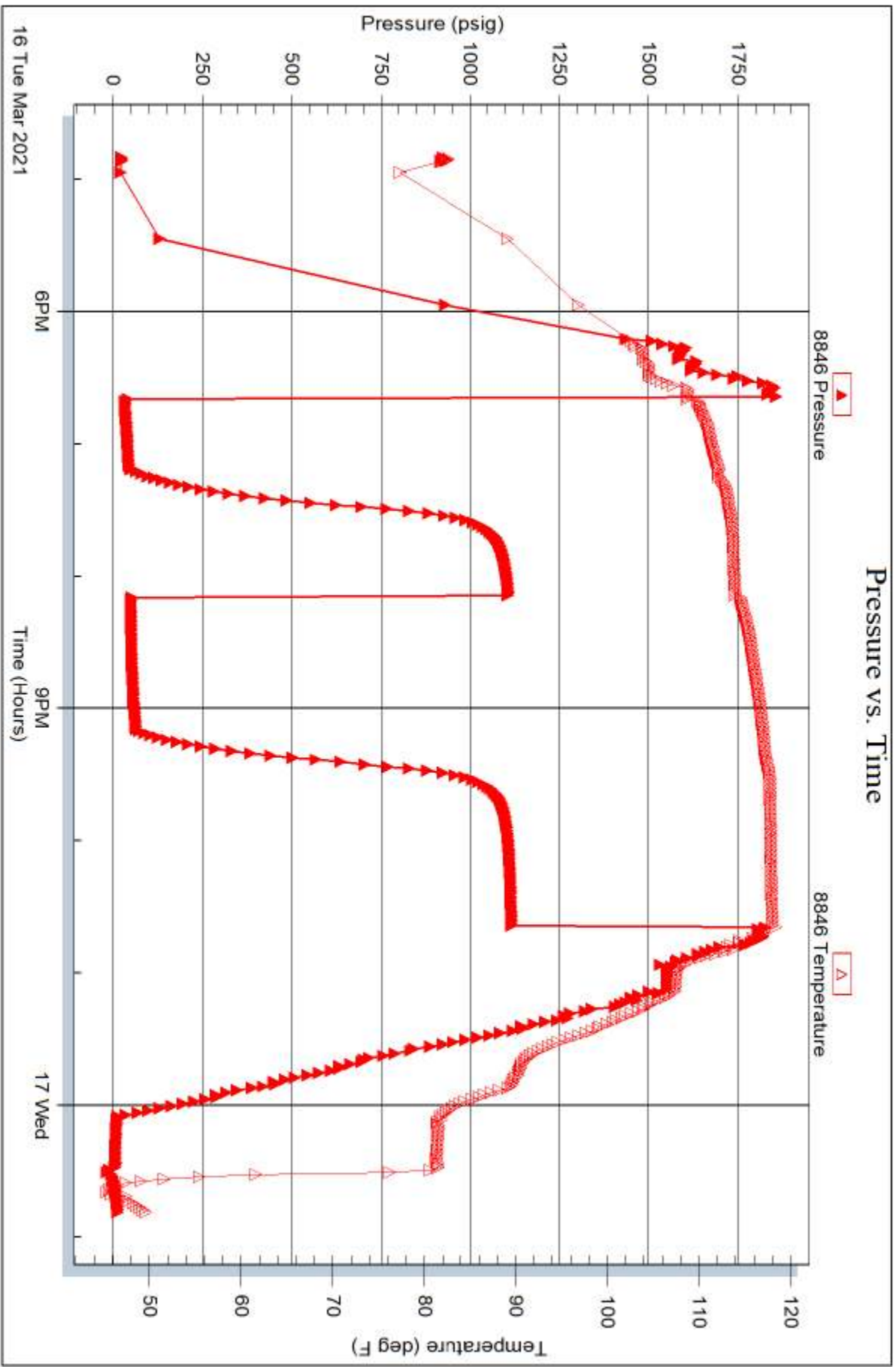
Serial #: 8846

Inside

Woodsey Operating, Co., LLC

Birkenbaugh #2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 66731

Printed: 2021.03.17 @ 06:44:31



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating, Co., LLC

**16/29S/7W Kingman, KS**

125 North Market  
Suite 1000  
Wichita, KS 67202-1729  
ATTN: Dean Pattisson/Bill

**Birkenbaugh #2**

Job Ticket: 66732

**DST#: 3**

Test Start: 2021.03.19 @ 01:23:00

## GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:55:10

Time Test Ended: 08:57:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

**Interval: 4395.00 ft (KB) To 4527.00 ft (KB) (TVD)**

Reference Elevations: 1610.00 ft (KB)

Total Depth: 4527.00 ft (KB) (TVD)

1602.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

**Serial #: 8369 Outside**

Press@RunDepth: 99.07 psig @ 4396.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.03.19

End Date: 2021.03.19

Last Calib.: 2021.03.19

Start Time: 01:23:01

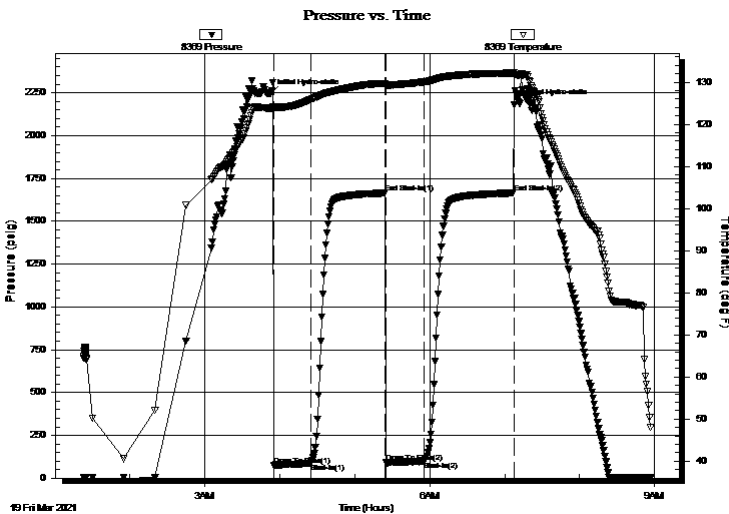
End Time: 08:57:30

Time On Btm: 2021.03.19 @ 03:52:40

Time Off Btm: 2021.03.19 @ 07:12:00

**TEST COMMENT:** IF - Weak blow building to 1 1/2 inches of water during initial flow period.  
FF - Weak blow building to 1 inch of water during final flow period.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2244.08	123.79	Initial Hydro-static
3	75.41	123.82	Open To Flow (1)
33	86.97	125.87	Shut-In(1)
92	1664.73	129.73	End Shut-In(1)
93	90.26	129.23	Open To Flow (2)
123	99.07	130.05	Shut-In(2)
195	1664.79	132.16	End Shut-In(2)
200	2187.29	131.73	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	Drilling Mud 100% M	0.70

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating, Co.,LLC

**16/29S/7W Kingman, KS**

125 North Market  
Suite 1000  
Wichita, KS 67202-1729  
ATTN: Dean Pattisson/Bill

**Birkenbaugh #2**

Job Ticket: 66732

**DST#: 3**

Test Start: 2021.03.19 @ 01:23:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 8.78 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	Drilling Mud 100% M	0.701

Total Length: 50.00 ft      Total Volume: 0.701 bbl

Num Fluid Samples: 0

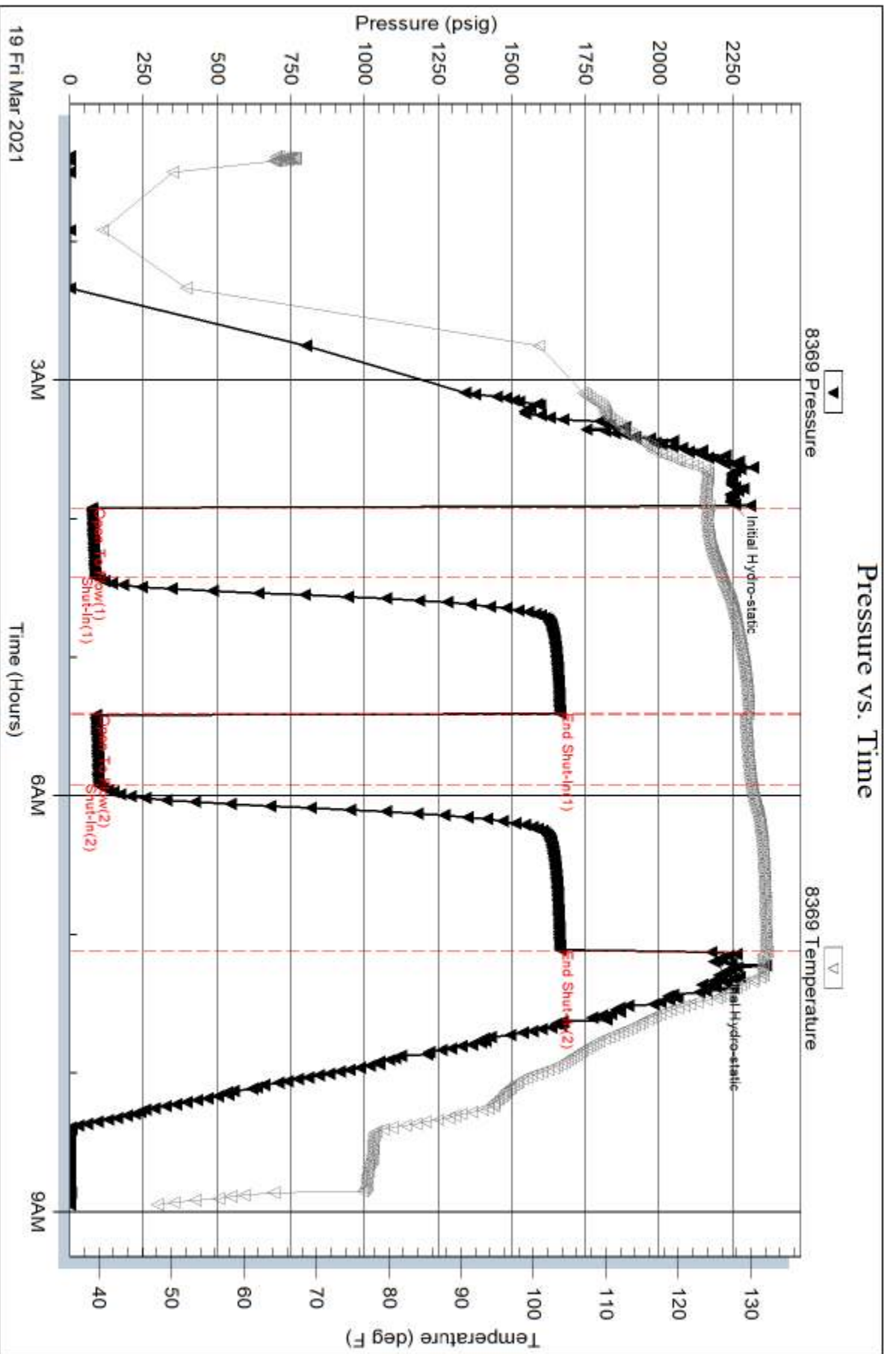
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



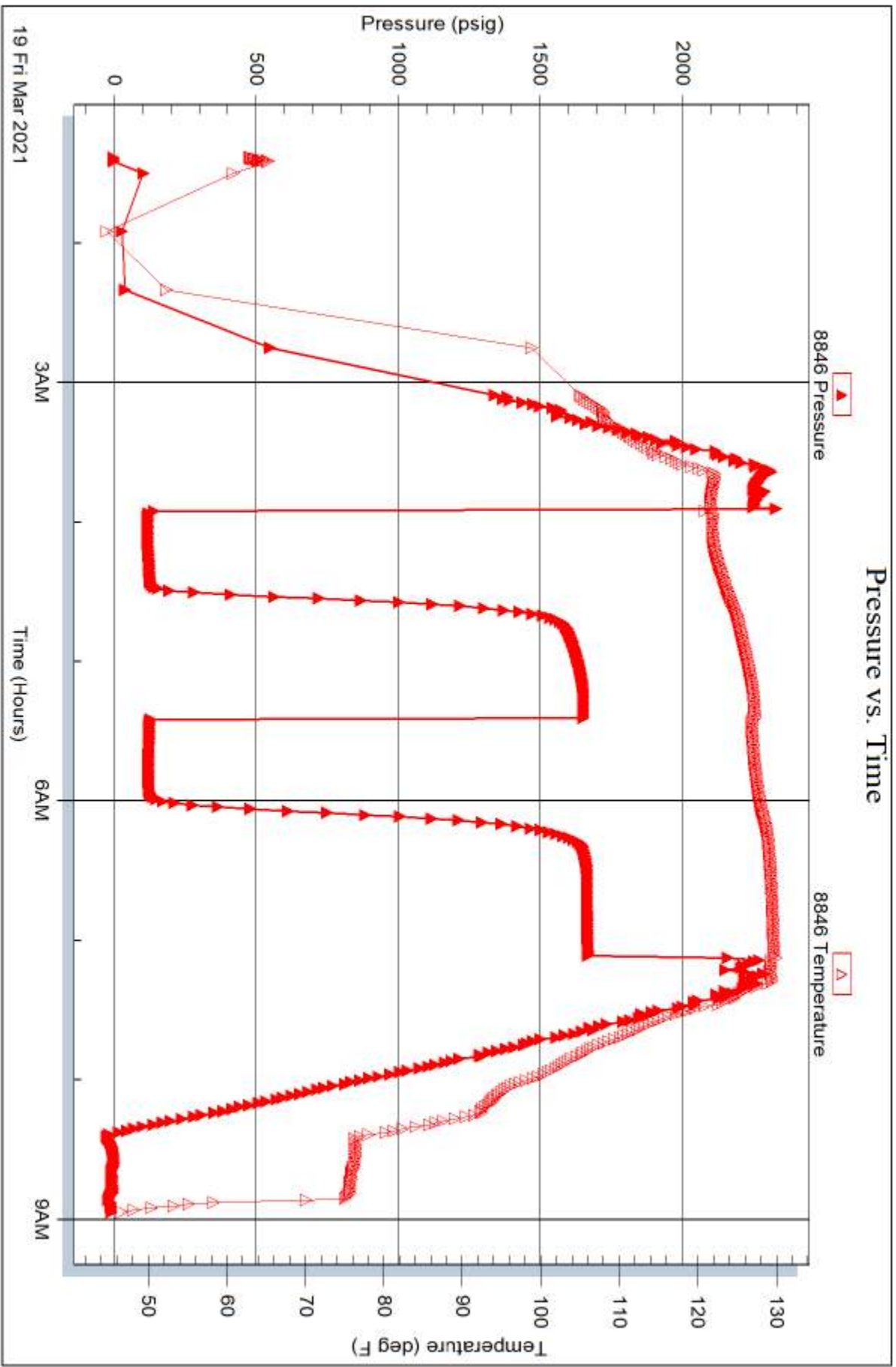
Serial #: 8846

Inside

Woodsey Operating, Co., LLC

Birkenbaugh #2

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 66732

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