KOLAR Document ID: 1383921

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 # 33168
Name: Woolsey Operating Company, LLC
Address 1: 125 N MARKET STE 1000
Address 2:
City: WICHITA State: KS Zip: 67202 + 1729
Contact Person: DEAN PATTISSON
Phone: (316) 267-4379
CONTRACTOR: License # 34484
Name: Fossil Drilling, Inc.
Wellsite Geologist: BILL KLAVER
Purchaser: PLAINS MKTG

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 #:

12/7/2017	12/17/2017	1/9/2018
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-097-21831-00-00
Spot Description: 30' S, E2 SE NE
N2 - SE - SE - NE Sec. 15 Twp. 29 S. R. 18 ☐ East ☑ West
2010 Feet from ☑ North / ☐ South Line of Section
330 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Kiowa
Lease Name: DARGEL Well #: 1
Field Name: Ursula SE
Producing Formation: MISSISSIPPIAN
Elevation: Ground: 2171 Kelly Bushing: 2183
Total Vertical Depth: 5250 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 355 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: 17100 ppm Fluid volume: 600 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Edison Operating Company LLC
Lease Name: Tom Wilmore 6-32-17 License #: 34434
Quarter NW Sec. 6 Twp. 32 S. R. 17 ☐ East ☑ West
County: Comanche Permit #: D30954.0

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: 04/02/2018
☐ **Confidential Release Date:** 04/01/2020
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 04/03/2018

Operator Name: Woolsey Operating Company, LLC Lease Name: DARGEL Well #: 1

Sec. 15 Twp. 29 S. R. 18 ☐ East ☑ West County: Kiowa

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 *(Attach Additional Sheets)*	☑ Yes	☐ No
Samples Sent to Geological Survey	☑ Yes	☐ No
Cores Taken	☐ Yes	☑ No
Electric Log Run	☑ Yes	☐ No
Geologist Report / Mud Logs	☑ Yes	☐ No

List All E. Logs Run:

Comp Density/Comp Neutron PE
Dual Induction
Sonic

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
CHASE	2458	-275
HEEBNER	4059	-1876
LANSING A	4248	-2065
HERTHA LS	4570	-2387
MISSISSIPPIAN	4854	-2671
SIMPSON	5251	-3068

CASING RECORD ☑ New ☐ 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
Surface	12.25	9.625	36	355	60/40 POZ	185	2% gel, 3% cc
Production	7.875	5.5	15.5	5126	60/40 POZ	50	2% gel, 3% cc
Production	7.875	5.5	15.5	5126	Class AA2	120	10% salt, 6% Gypseal, 5# Gilsonite, 1/4#

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: 03/03/2018

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	8	0	460		35

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom
4881	4886

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record *(Amount and Kind of Material Used)*
4	4881	4886			250 gals 15% MCA & 750 gals 15% NeFe

TUBING RECORD: Size: 2.875 Set At: 4938 Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Woolsey Operating Company, LLC
Well Name	DARGEL 1
Doc ID	1383921

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	9.625	36	355	60/40 POZ	185	2% gel, 3% cc
Production	7.875	5.5	15.5	5126	60/40 POZ	50	2% gel, 3% cc
Production	7.875	5.5	15.5	5126	Class AA2	120	10% salt, 6% Gypseal, 5# Gilsonite, 1/4# Celoflake, .75% friction reducer

BASIC energy services, L.P.

TREATMENT REPORT

Customer: Woolsey Operating Company	Lease No.			Date: 12-7-17	
Lease: Davis #1	Well #: 1				
Field Order #: 16212	Station: Pratt	Casing: 9 5/8	Depth: 355	County: Kiowa	State: KS
Type Job: 2-42 9 5/8 Surface	Formation			Legal Description: 25-29S-18W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid: 185 sks 60/40 poz	RATE	PRESS	ISIP
Depth: 355	Depth	From	To	Pre Pad: 390 cc	Max		5 Min.
Volume: 27.4	Volume	From	To	Pad: 2% gel	Min		10 Min.
Max Press: 500	Max Press	From	To	Frac: 25 PPS Cottonseed	Avg		15 Min.
Well Connection: PVC	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 335	Packer Depth	From	To	Flush: 25.8	Gas Volume		Total Load

Customer Representative: Allen Dick		Station Manager: Weisman			Treater: Matta						
Service Units	83353		54980	20920		19959	19918				
Driver Names	Matta		Marquez			Clyma					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:30 AM					On location / Safety Meeting
6:45 PM					Run 9 5/8 casing 36 ft
7:50					Csng on Bottom
8:00					Hook to Csng / Break circ w. Rig
8:23	125		3	4.5	Pump 3 bbl water
8:25	125		40	4.5	Mix 185 sks 60/40 poz
8:40	150				Start displacement
8:45	150		25.8		Plug Down / Shut in well
					Cmt to Surface
					Job complete
					Thank You!
					Mike Matta
					Edwards + Micah

Taylor Printing, Inc. 620-672-3656

BASIC energy services, L.P.

TREATMENT REPORT

Customer	Lease No.	Date
Woolsey Operating Co.		12/18/17
Lease	**Well #**	
Dreyer	1	

Field Order #	Station	Casing	Depth	County	State
16150	Pratt KS	5 1/2	5125'	Kiowa	KS

Type Job	Formation	Legal Description
5 1/2 Production Casing 2nd		15 29S 18W

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 5125'	Depth	From	To	Pre Pad	Max		5 Min.
Volume 121.95	Volume	From	To	Pad	Min		10 Min.
Max Press 2000	Max Press	From	To	Frac	Avg		15 Min.
Well Connection 5 1/2	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager	Treater
Alan Dick	Justin Hawkins	Scott Graves

Service Units	35456	78457	56775								
Driver Names	Scott	McCoy	—	Ryan							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:00					On Location Safety Meeting Rig up
1:00					Float Equip. Turbos 1,2,3,4,5,6,7,8,9,10 Scratchers 6,7,8,9
5:05					Break Circulation 1 hour
6:10	375			6	Pump 500 Spacer
6:11	300		5	6	Start Scavenger Cement 30sks
6:14	350		14.87	6	Start AA2 Cement 170sks
6:19	0		30.56	0	Shut down
6:20					Wash pump + lines Clean
6:22	200			7.5	Start displacement
6:34	900		86	7.5	Lift pressure
6:41	650		24	3.5	Reduce Rate
6:43	750		10.5	3.5	Plug landed
6:44	1500			3.5	Pressure up
6:44	1500				Shut down Pressure Held
6:45	0				Release Pressure Float Holding
6:50			7.5	3	Plug Rat hole 30sks 60/40
6:55			5	3	Plug Mouse hole 20sks 60/40
7:00					Tear up Equipment
7:20					Job Complete

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63641 **DST#: 1**

Test Start: 2017.12.10 @ 22:40:00

GENERAL INFORMATION:

Formation: **Emporia**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:35:45
Time Test Ended: 05:42:45

MISRUN
PLUGGED TOOL
SLID 16' TO BOTTOM

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

Interval: 3485.00 ft (KB) To 3511.00 ft (KB) (TVD)
Total Depth: 3511.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

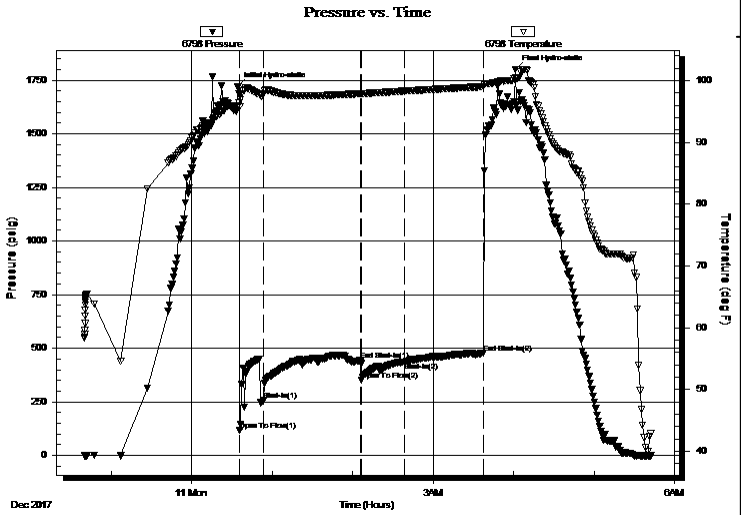
Reference Elevations: 2183.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: 434.39 psig @ 3486.00 ft (KB)
Start Date: 2017.12.10 End Date: 2017.12.11
Start Time: 22:40:01 End Time: 05:42:45

Capacity: 8000.00 psig
Last Calib.: 2017.12.11
Time On Btm: 2017.12.11 @ 00:34:15
Time Off Btm: 2017.12.11 @ 04:01:15

TEST COMMENT: IF: Fair Blow , Built to 5 inches
ISI: No Blow Back
FF: No Blow
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1719.82	95.98	Initial Hydro-static
2	117.07	95.77	Open To Flow (1)
19	256.19	97.77	Shut-In(1)
92	445.46	97.91	End Shut-In(1)
93	351.19	97.89	Open To Flow (2)
125	434.39	98.32	Shut-In(2)
183	476.44	99.04	End Shut-In(2)
207	1800.03	100.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	SGCM 2%G 98%M	0.62

Gas Rates

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

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63641 **DST#: 1**

Test Start: 2017.12.10 @ 22:40:00

GENERAL INFORMATION:

Formation: **Emporia**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:35:45
Time Test Ended: 05:42:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 74

Interval: 3485.00 ft (KB) To 3511.00 ft (KB) (TVD)
Total Depth: 3511.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

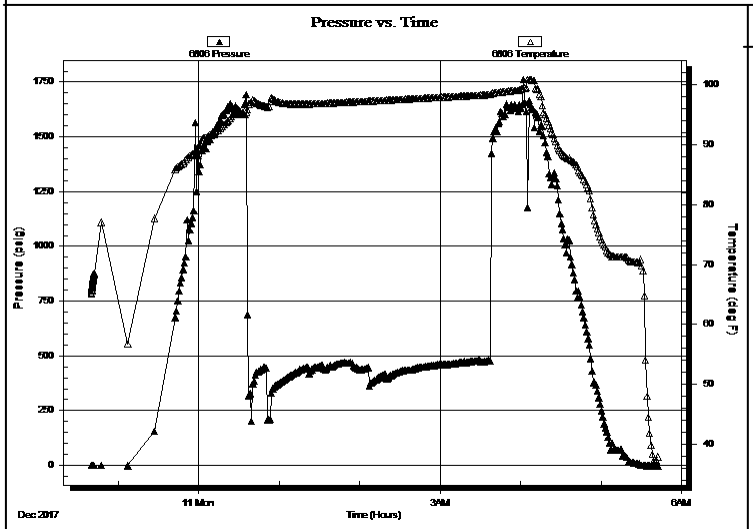
Reference Elevations: 2183.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6806 **Outside**

Press@RunDepth: psig @ 3486.00 ft (KB)
Start Date: 2017.12.10 End Date: 2017.12.11
Start Time: 22:40:01 End Time: 05:42:45

Capacity: 8000.00 psig
Last Calib.: 2017.12.11
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Fair Blow , Built to 5 inches
ISI: No Blow Back
FF: No Blow
FSI: No Blow Back



PRESSURE SUMMARY

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

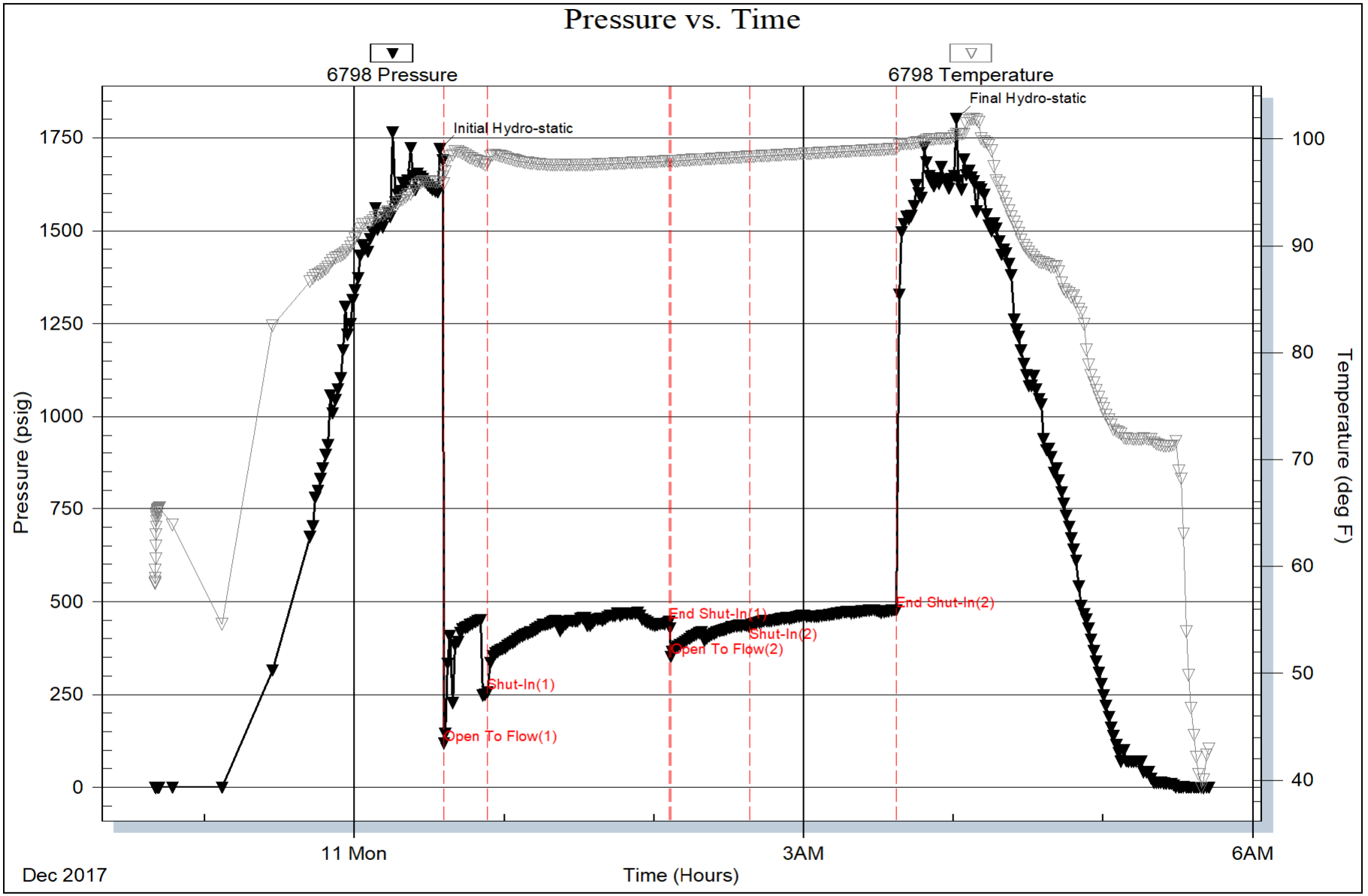
Recovery

Length (ft)	Description	Volume (bbl)
124.00	SGCM 2%G 98%M	0.62

Gas Rates

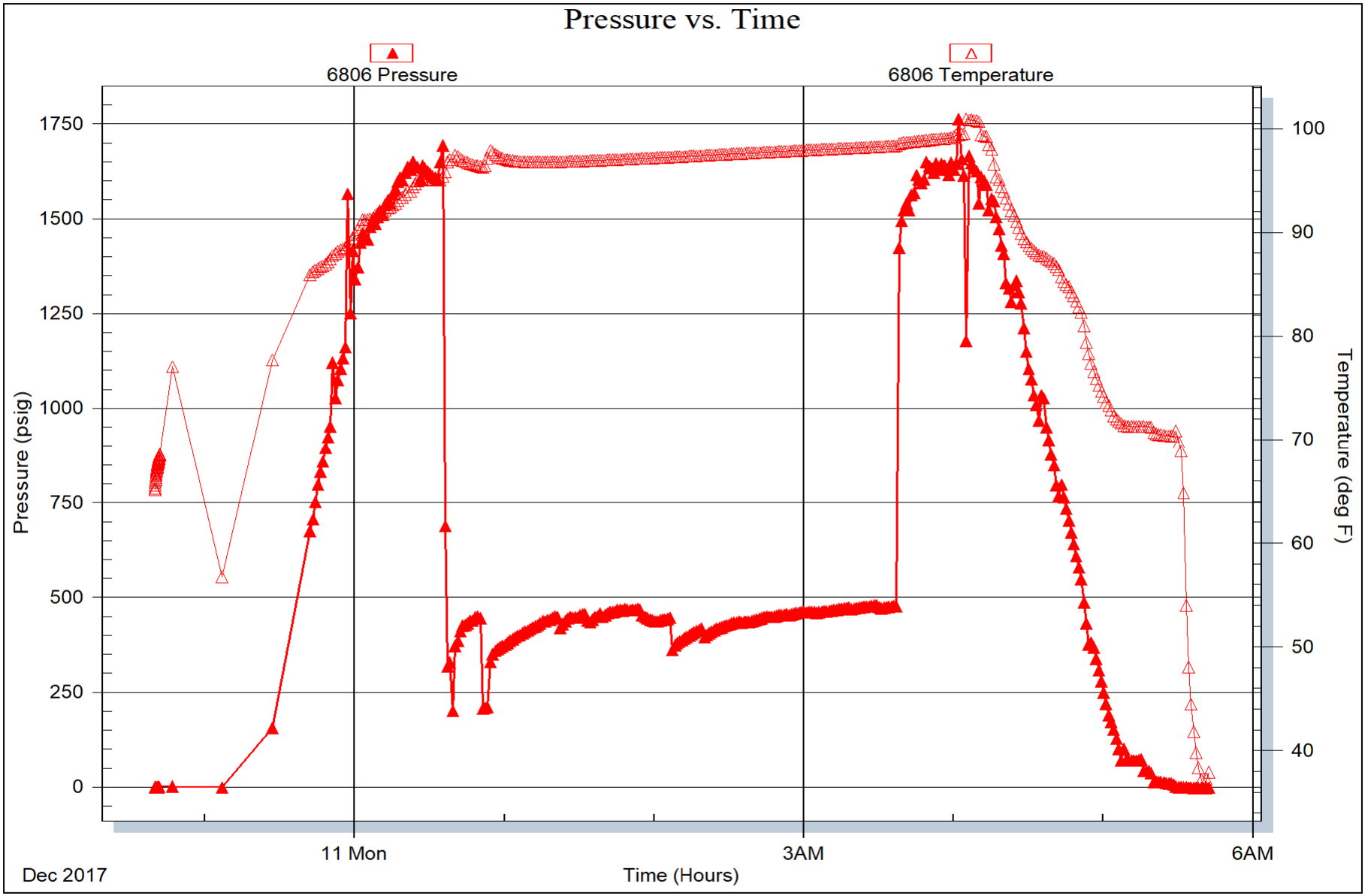
	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)

Serial #: 6798 **Inside** Woolsey Operating Co Dargel 1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63641 Printed: 2017.12.11 @ 06:42:41

Serial #: 6806 **Outside** Woolsey Operating Co Dargel 1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63641 Printed: 2017.12.11 @ 06:42:41

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63642 **DST#: 2**

Test Start: 2017.12.11 @ 12:01:47

GENERAL INFORMATION:

Formation: **Emporia**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:49:02
Time Test Ended: 19:19:02

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 3478.00 ft (KB) To 3512.00 ft (KB) (TVD)
Total Depth: 3512.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

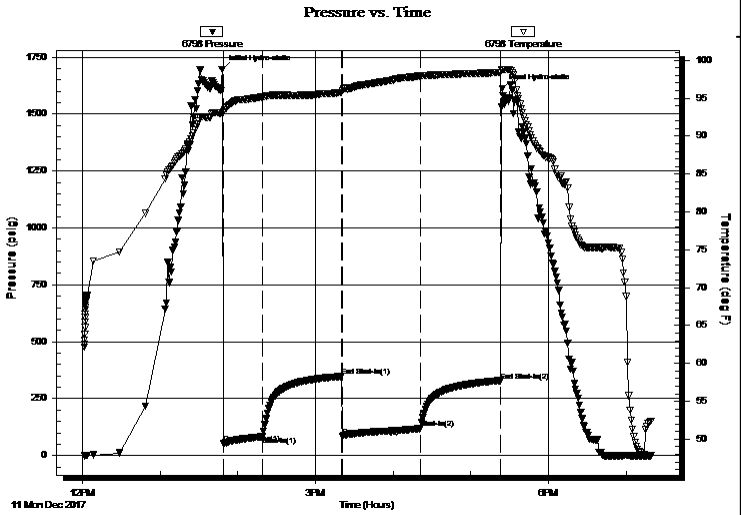
Reference Elevations: 2183.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: 118.53 psig @ 3479.00 ft (KB)
Start Date: 2017.12.11 End Date: 2017.12.11
Start Time: 12:01:48 End Time: 19:19:02

Capacity: 8000.00 psig
Last Calib.: 2017.12.11
Time On Btm: 2017.12.11 @ 13:48:02
Time Off Btm: 2017.12.11 @ 17:24:32

TEST COMMENT: IF: Fair Blow , BOB in 5 minutes
ISI: No Blow Back
FF: Fair Blow , BOB in 20 minutes
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1696.13	93.05	Initial Hydro-static
1	54.79	93.27	Open To Flow (1)
32	83.73	95.18	Shut-In(1)
92	347.27	95.75	End Shut-In(1)
93	84.44	95.98	Open To Flow (2)
153	118.53	97.96	Shut-In(2)
215	329.11	98.41	End Shut-In(2)
217	1610.90	98.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	345 GIP	0.00
123.00	MCW 30%M 70%W	0.60
193.00	GCM 10%G 90%M	1.98

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63642 **DST#: 2**

Test Start: 2017.12.11 @ 12:01:47

GENERAL INFORMATION:

Formation: **Emporia**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:49:02
Time Test Ended: 19:19:02

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 3478.00 ft (KB) To 3512.00 ft (KB) (TVD)
Total Depth: 3512.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

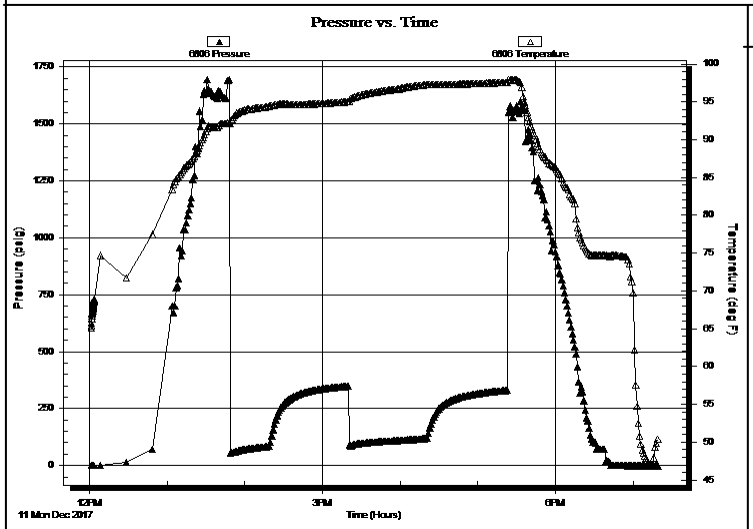
Reference Elevations: 2183.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6806 **Outside**

Press@RunDepth: psig @ 3479.00 ft (KB)
Start Date: 2017.12.11 End Date: 2017.12.11
Start Time: 12:01:48 End Time: 19:19:17

Capacity: 8000.00 psig
Last Calib.: 2017.12.11
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Fair Blow , BOB in 5 minutes
ISI: No Blow Back
FF: Fair Blow , BOB in 20 minutes
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	345 GIP	0.00
123.00	MCW 30%M 70%W	0.60
193.00	GCM 10%G 90%M	1.98

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63642 **DST#: 2**

Test Start: 2017.12.11 @ 12:01:47

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:	31000 ppm
Viscosity:	58.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8800.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	345 GIP	0.000
123.00	MCW 30%M 70%W	0.605
193.00	GCM 10%G 90%M	1.980

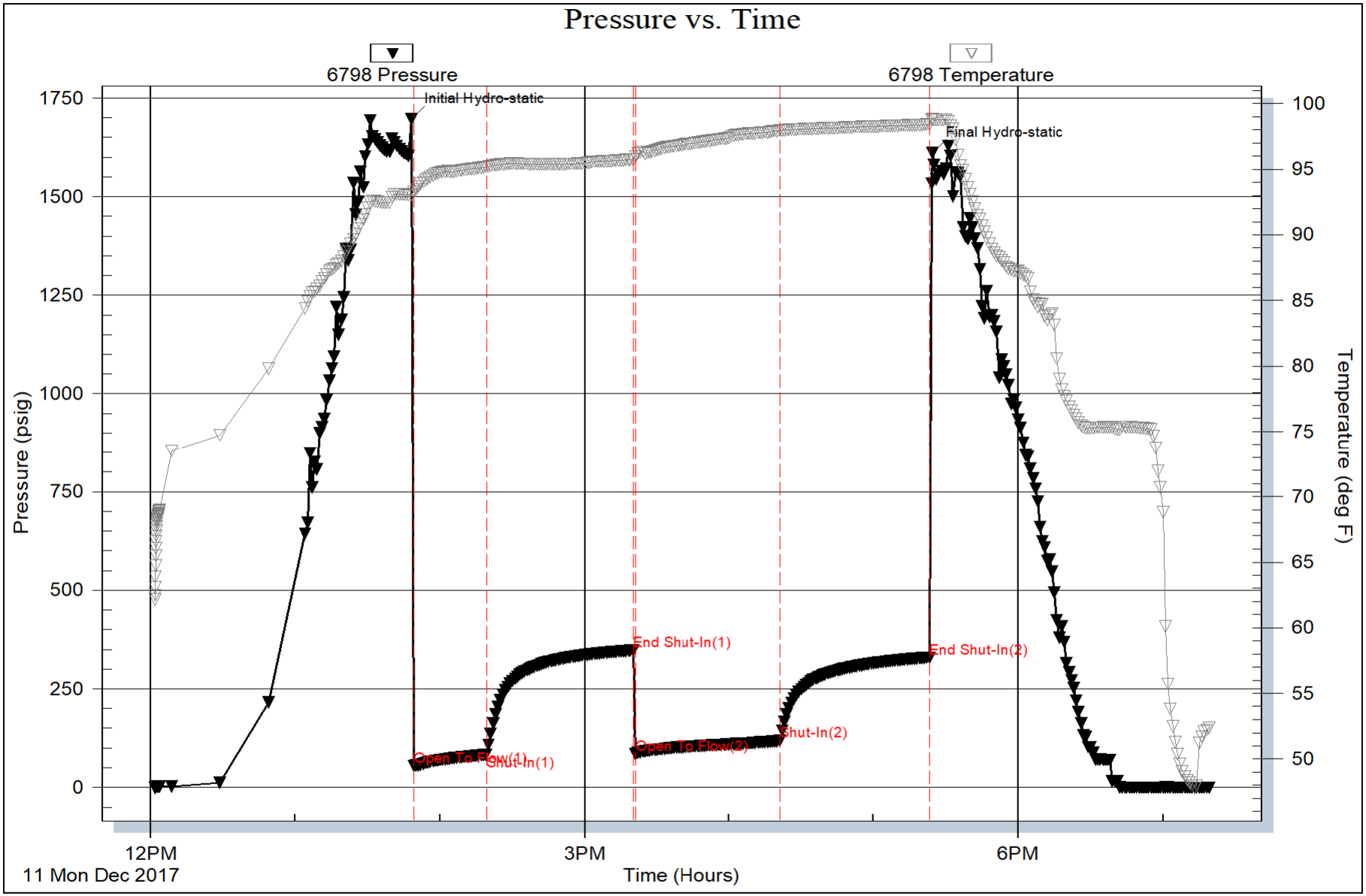
Total Length: 316.00 ft Total Volume: 2.585 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

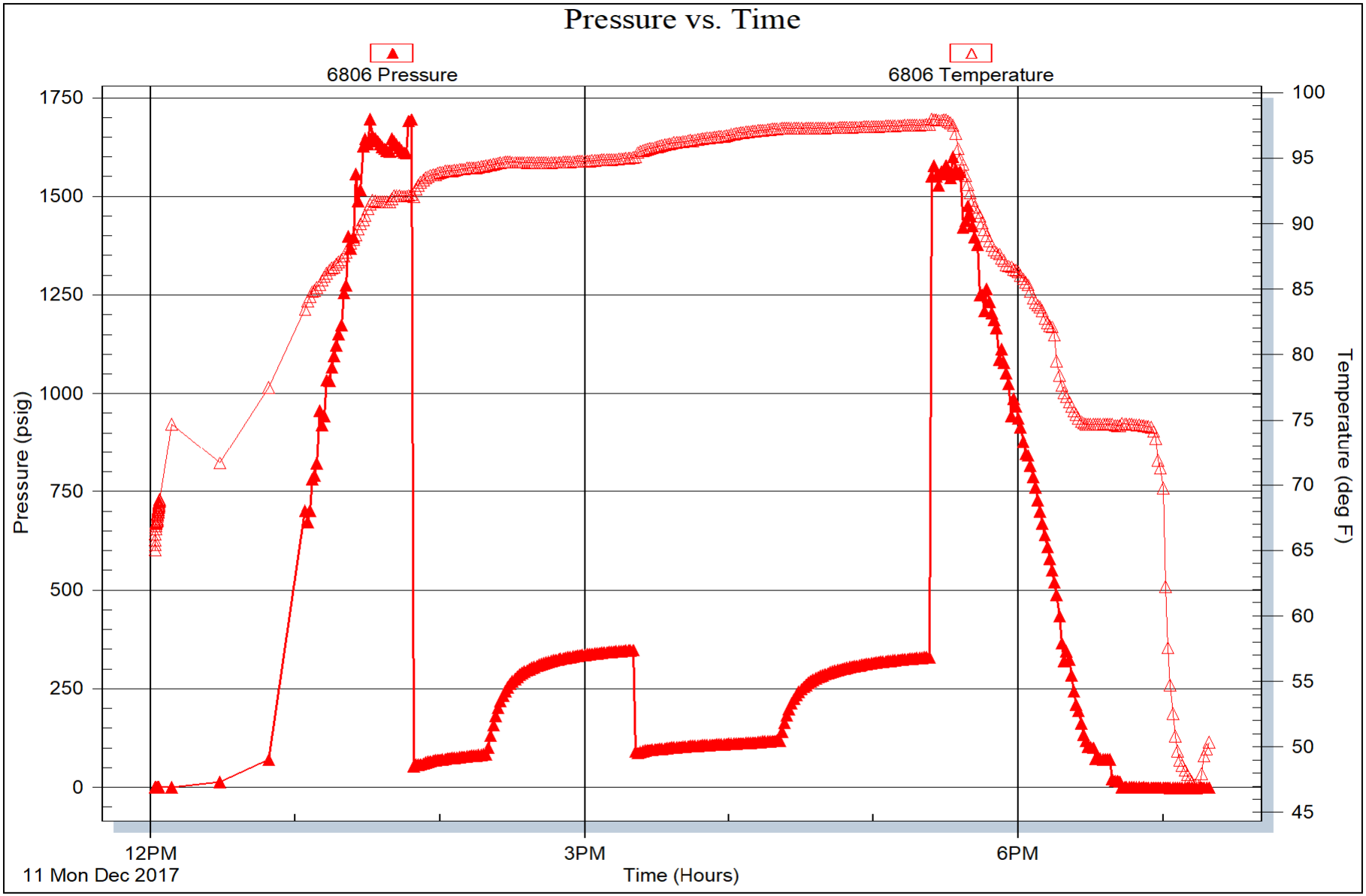
Recovery Comments: RW w as .3 @ 53 degrees

Serial #: 6798 **Inside** Woolsey Operating Co Dargel 1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 63642 Printed: 2017.12.11 @ 20:56:12

Serial #: 6806 **Outside** Woolsey Operating Co Dargel 1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 63642 Printed: 2017.12.11 @ 20:56:13

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63643 **DST#: 3**

Test Start: 2017.12.13 @ 06:27:18

GENERAL INFORMATION:

Formation: **Lansing Stanton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:00:33
Time Test Ended: 13:27:33

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 4248.00 ft (KB) To 4264.00 ft (KB) (TVD)
Total Depth: 4264.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

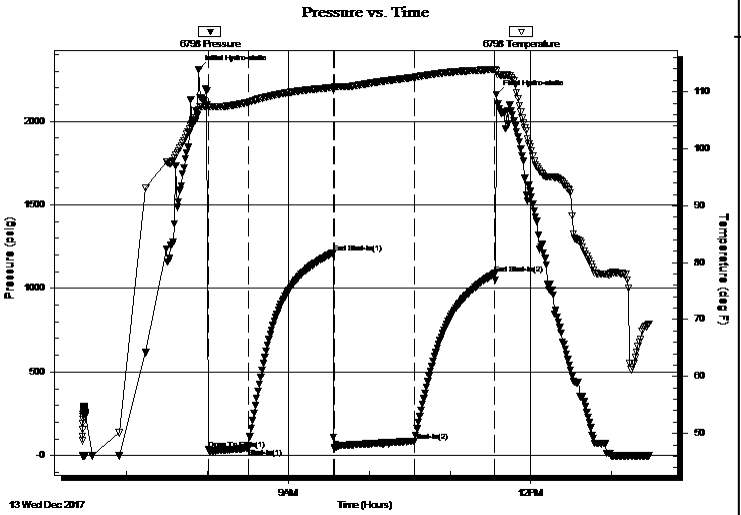
Reference Elevations: 2183.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: 86.83 psig @ 4249.00 ft (KB)
Start Date: 2017.12.13 End Date: 2017.12.13
Start Time: 06:27:19 End Time: 13:27:33

Capacity: 8000.00 psig
Last Calib.: 2017.12.13
Time On Btm: 2017.12.13 @ 07:53:33
Time Off Btm: 2017.12.13 @ 11:34:33

TEST COMMENT: IF: Strong Blow , BOB in 10 seconds
ISI: 1/2 inch Blow Back
FF: Strong Blow , BOB in 1 minute, GTS in 22 minutes, TSTM, Caught Sample
FSI: 1/4 inch Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2310.49	106.90	Initial Hydro-static
7	35.27	107.45	Open To Flow (1)
37	43.56	108.15	Shut-In(1)
100	1211.55	110.77	End Shut-In(1)
101	45.03	110.72	Open To Flow (2)
161	86.83	112.56	Shut-In(2)
220	1089.76	113.94	End Shut-In(2)
221	2161.60	113.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
63.00	Water	0.31
62.00	GOMCW 2%G 4%O 12%M 82%W	0.32

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63643 **DST#: 3**

Test Start: 2017.12.13 @ 06:27:18

GENERAL INFORMATION:

Formation: **Lansing Stanton**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:00:33
Time Test Ended: 13:27:33

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 4248.00 ft (KB) To 4264.00 ft (KB) (TVD)
Total Depth: 4264.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

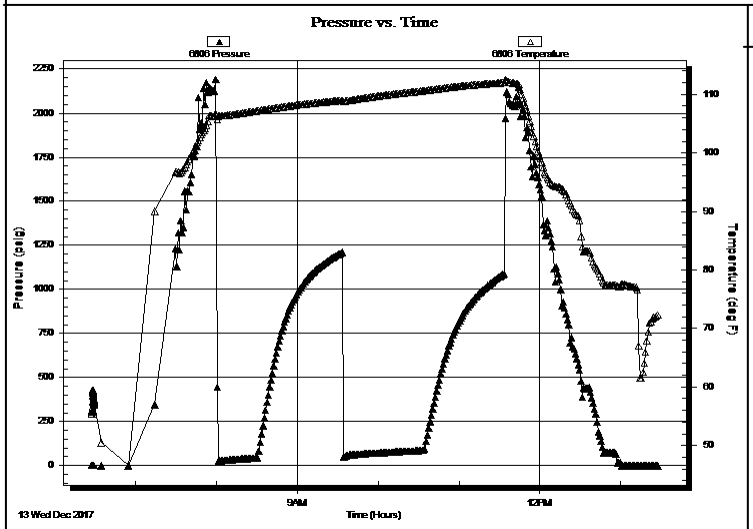
Reference Elevations: 2183.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6806 **Outside**

Press@RunDepth: psig @ 4249.00 ft (KB)
Start Date: 2017.12.13 End Date: 2017.12.13
Start Time: 06:27:19 End Time: 13:28:03

Capacity: 8000.00 psig
Last Calib.: 2017.12.13
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 10 seconds
ISI: 1/2 inch Blow Back
FF: Strong Blow , BOB in 1 minute, GTS in 22 minutes, TSTM, Caught Sample
FSI: 1/4 inch Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	GTS	0.00
63.00	Water	0.31
62.00	GOMCW 2%G 4%O 12%M 82%W	0.32

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63643 **DST#: 3**

Test Start: 2017.12.13 @ 06:27:18

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:	47000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	10800.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GTS	0.000
63.00	Water	0.310
62.00	GOMCW 2%G 4%O 12%M 82%W	0.316

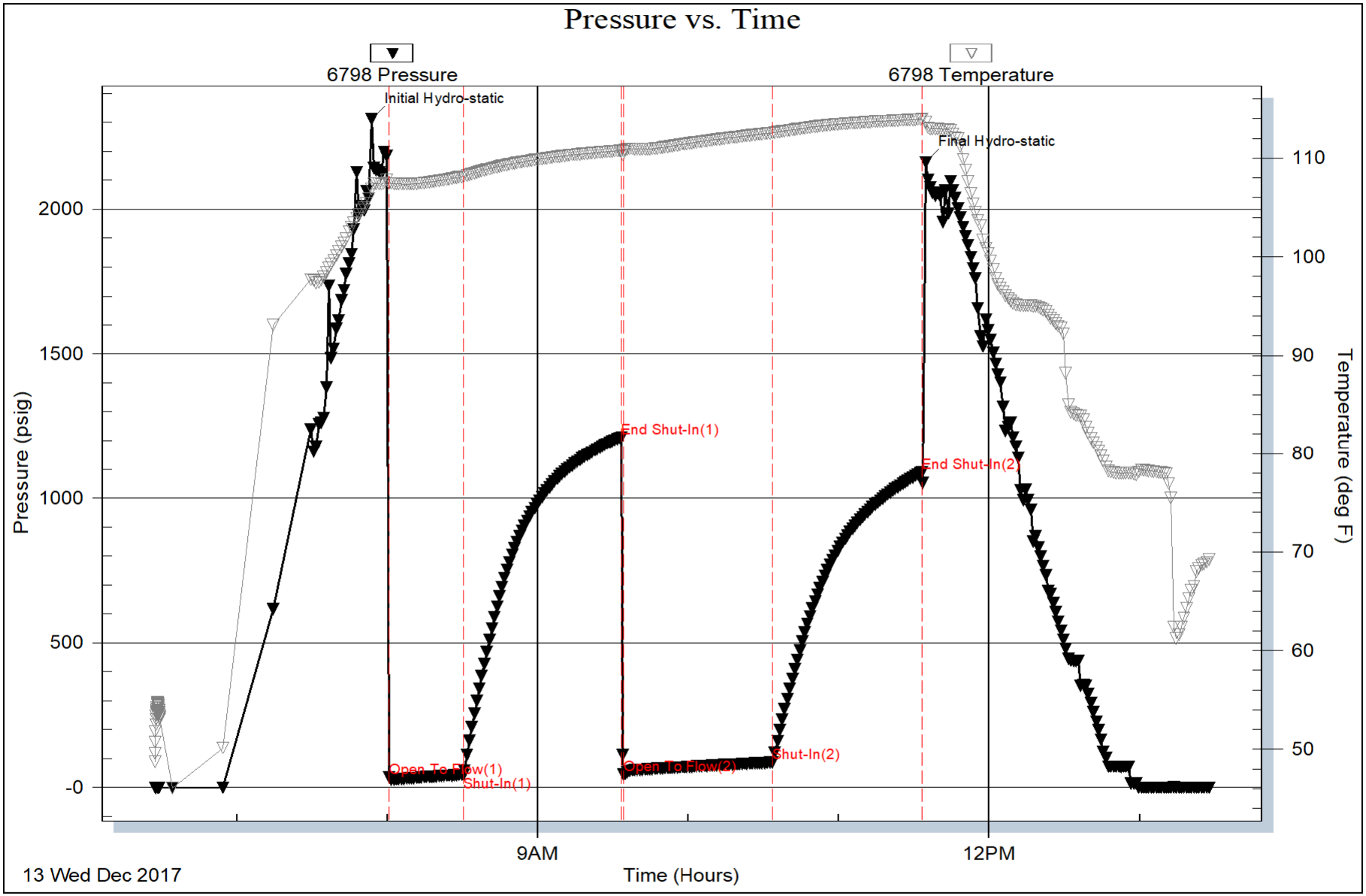
Total Length: 125.00 ft Total Volume: 0.626 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

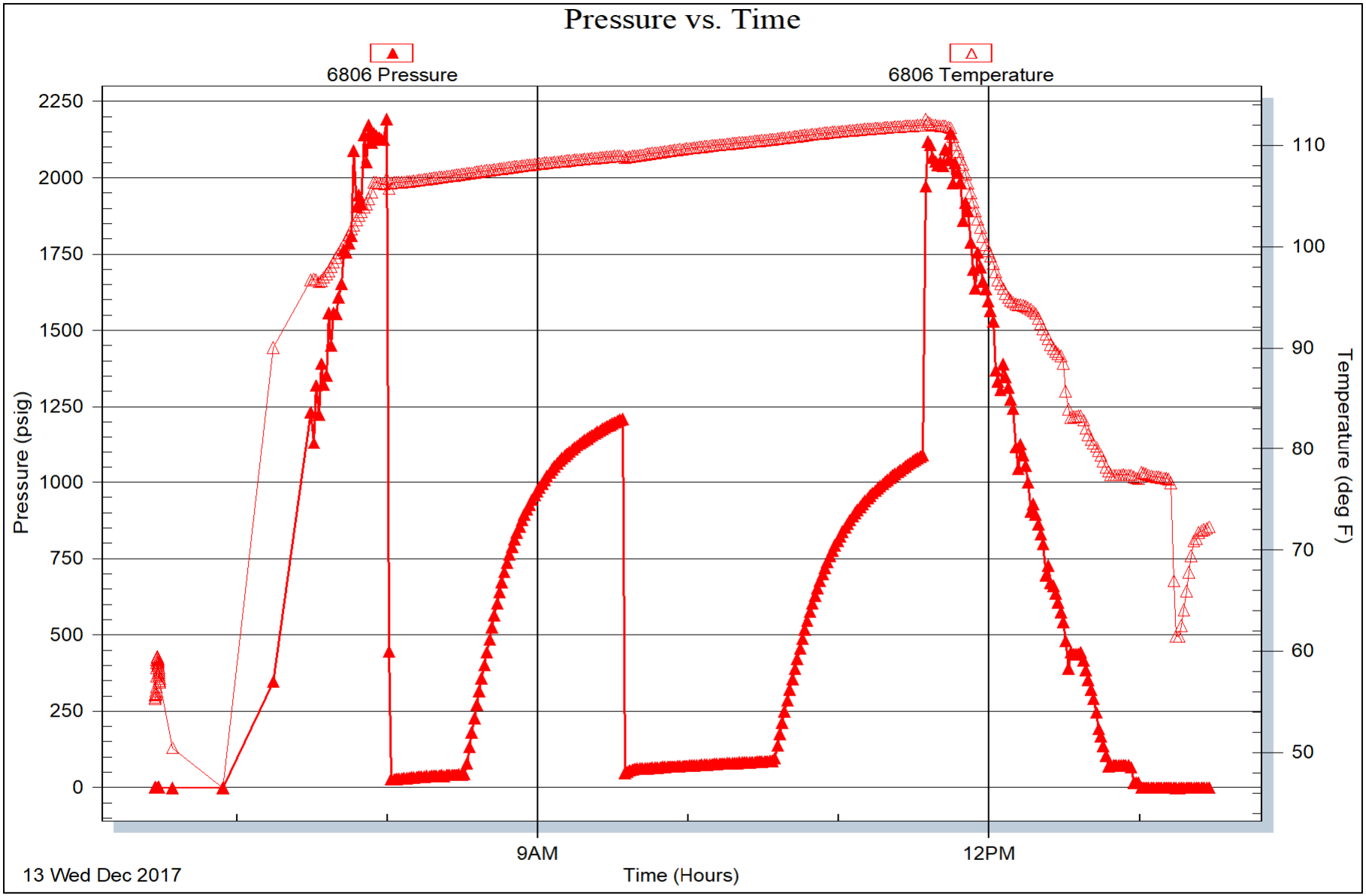
Recovery Comments: RW w as .16 @ 70 degrees

Serial #: 6798 **Inside** Woolsey Operating Co Dargel 1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 63643 Printed: 2017.12.13 @ 14:17:04

Serial #: 6806 **Outside** Woolsey Operating Co Dargel 1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 63643 Printed: 2017.12.13 @ 14:17:04

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63644 **DST#: 4**

Test Start: 2017.12.15 @ 16:48:15

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:29:45
Time Test Ended: 01:42:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 4812.00 ft (KB) To 4874.00 ft (KB) (TVD)
Total Depth: 4874.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

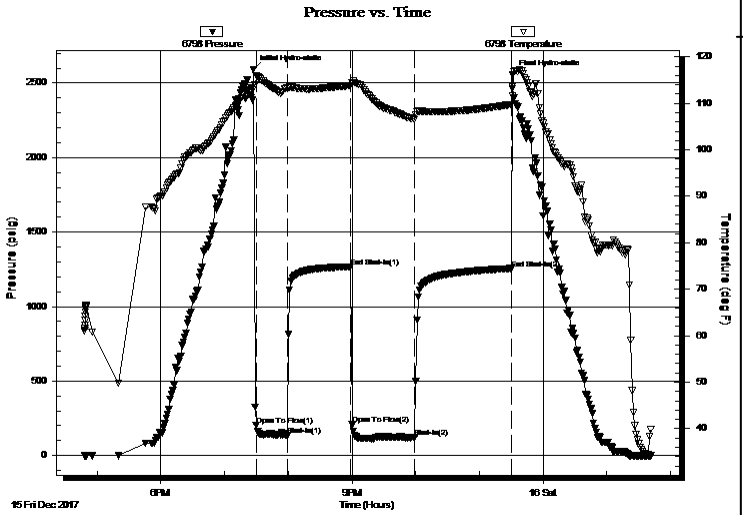
Reference Elevations: 2183.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: 124.64 psig @ 4813.00 ft (KB)
Start Date: 2017.12.15 End Date: 2017.12.16
Start Time: 16:48:16 End Time: 01:42:00

Capacity: 8000.00 psig
Last Calib.: 2017.12.16
Time On Btm: 2017.12.15 @ 19:27:30
Time Off Btm: 2017.12.15 @ 23:31:00

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds, GTS in 6 minutes, Gauged & Caught Sample
ISI: No Blow Back
FF: Strong Blow , BOB & GTS immediate, Gauged Gas
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2591.57	113.29	Initial Hydro-static
3	203.35	115.95	Open To Flow (1)
32	133.77	113.27	Shut-In(1)
92	1267.25	113.81	End Shut-In(1)
93	206.83	114.34	Open To Flow (2)
152	124.64	106.48	Shut-In(2)
243	1255.24	109.77	End Shut-In(2)
244	2554.80	111.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4644 GIP	0.00
153.00	GCM 5%G 95%M	0.91

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	32.00	215.86
Last Gas Rate	0.50	24.00	161.90
Max. Gas Rate	0.50	36.00	242.84

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63644 **DST#: 4**

Test Start: 2017.12.15 @ 16:48:15

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:29:45
Time Test Ended: 01:42:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 4812.00 ft (KB) To 4874.00 ft (KB) (TVD)
Total Depth: 4874.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

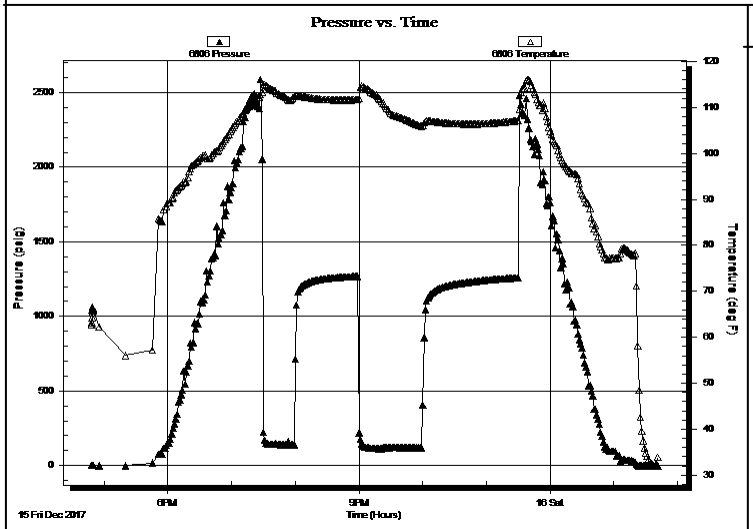
Reference Elevations: 2183.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6806 **Outside**

Press@RunDepth: psig @ 4813.00 ft (KB)
Start Date: 2017.12.15 End Date: 2017.12.16
Start Time: 16:48:16 End Time: 01:42:15

Capacity: 8000.00 psig
Last Calib.: 2017.12.16
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds, GTS in 6 minutes, Gauged & Caught Sample
ISI: No Blow Back
FF: Strong Blow , BOB & GTS immediate, Gauged Gas
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	4644 GIP	0.00
153.00	GCM 5%G 95%M	0.91

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	32.00	215.86
Last Gas Rate	0.50	24.00	161.90
Max. Gas Rate	0.50	36.00	242.84

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63644 **DST#: 4**

Test Start: 2017.12.15 @ 16:48:15

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9400.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	4644 GIP	0.000
153.00	GCM 5%G 95%M	0.913

Total Length: 153.00 ft Total Volume: 0.913 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63644 **DST#: 4**

Test Start: 2017.12.15 @ 16:48:15

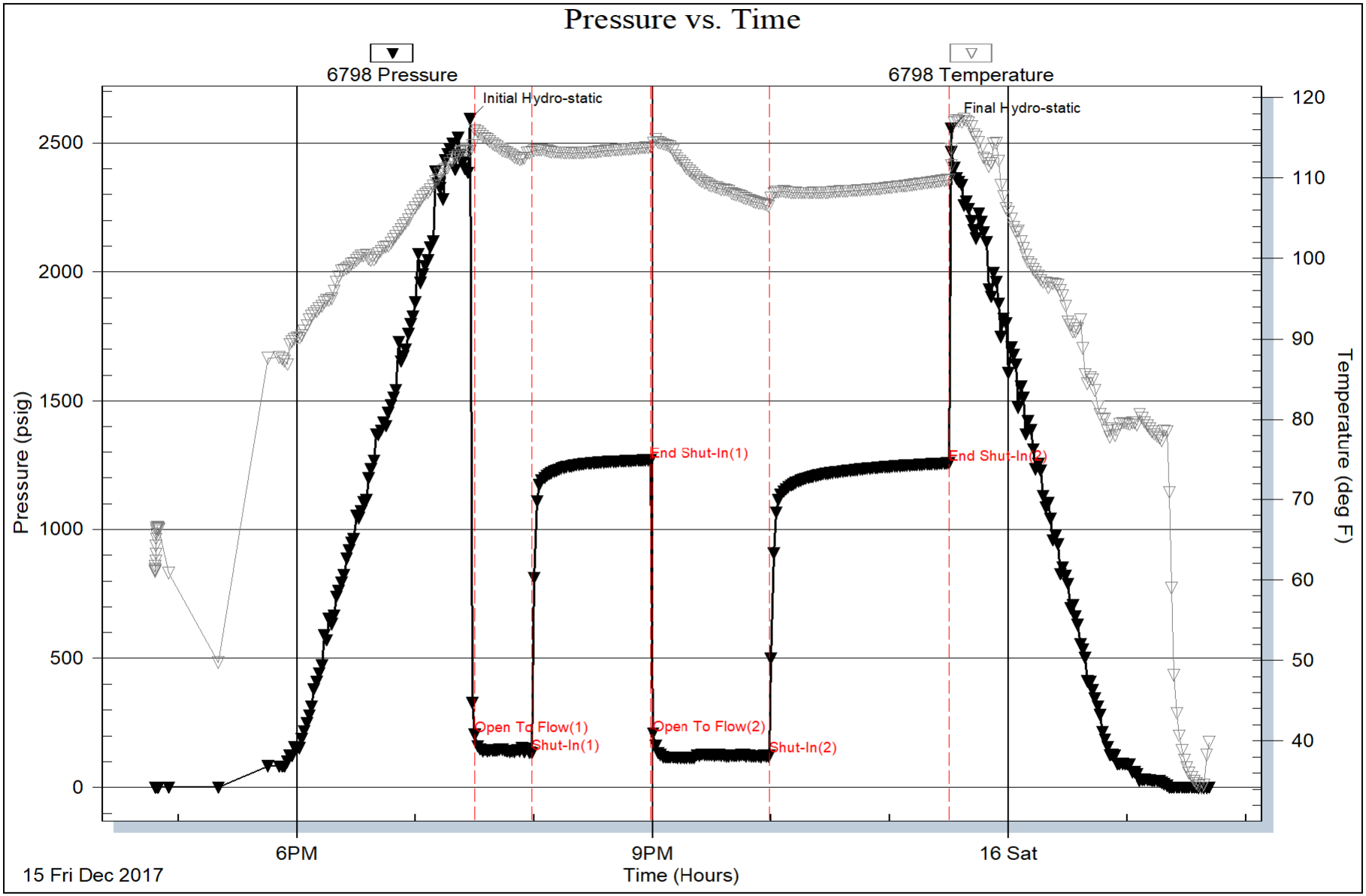
Gas Rates Information

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

Gas Rates Table

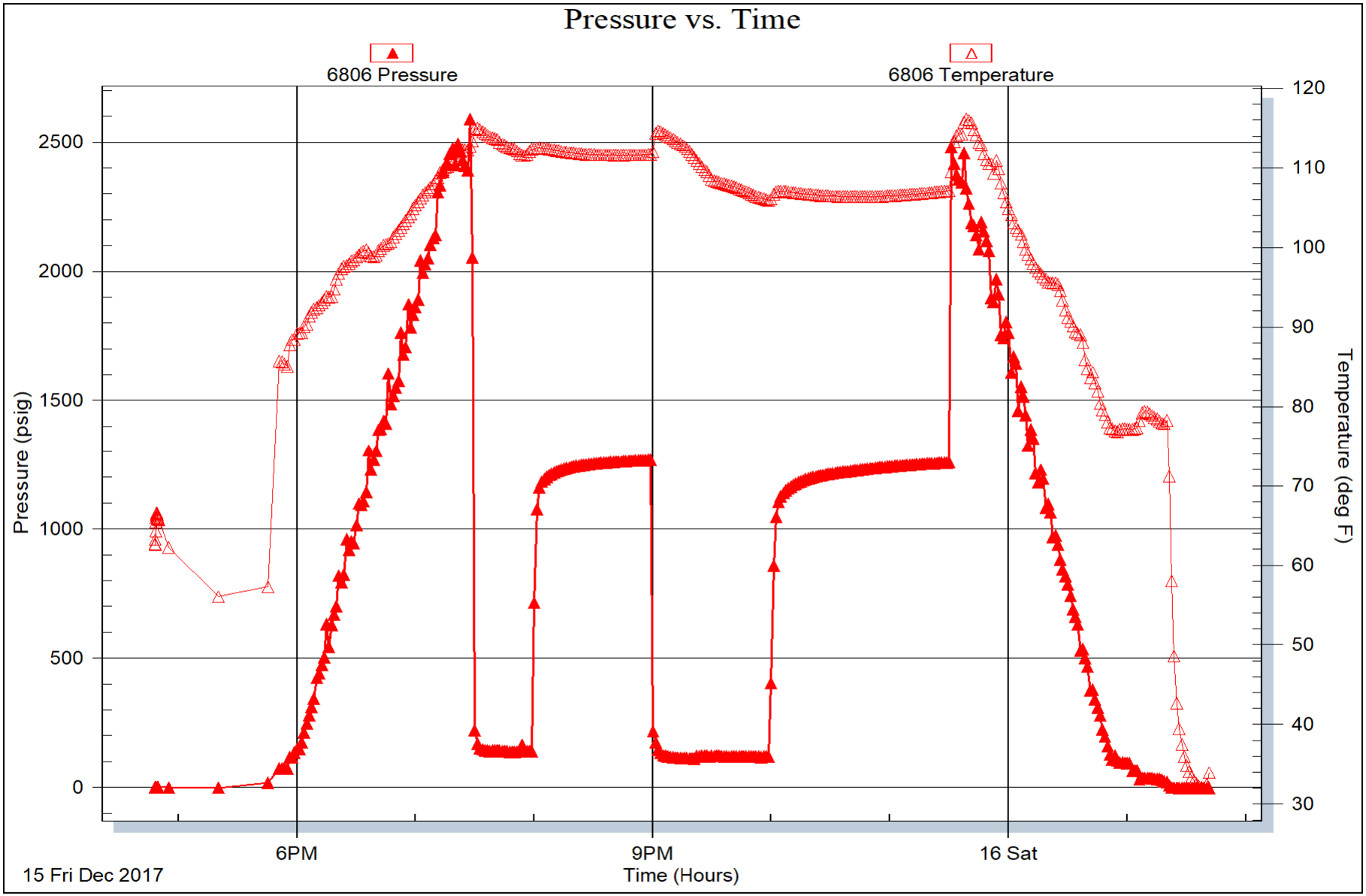
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.50	32.00	215.86
1	20	0.50	36.00	242.84
1	30	0.50	36.00	242.84
2	10	0.50	25.00	168.64
2	20	0.50	25.00	168.64
2	30	0.50	25.00	168.64
2	40	0.50	24.00	161.90
2	50	0.50	24.00	161.90
2	60	0.50	24.00	161.90

Serial #: 6798 **Inside** Woolsey Operating Co Dargel 1 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 63644 Printed: 2017.12.16 @ 06:14:59

Serial #: 6806 **Outside** Woolsey Operating Co Dargel 1 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 63644 Printed: 2017.12.16 @ 06:15:00

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63645 **DST#: 5**

Test Start: 2017.12.16 @ 09:00:54

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:45:09
Time Test Ended: 18:02:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 4874.00 ft (KB) To 4884.00 ft (KB) (TVD)
Total Depth: 4884.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

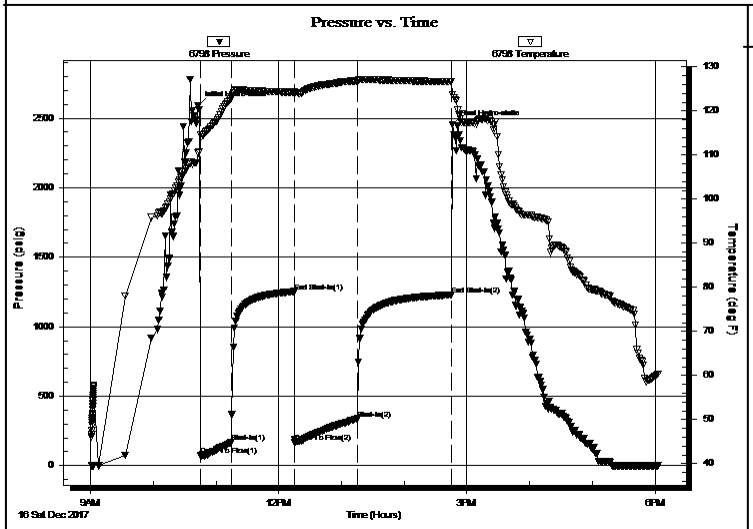
Reference Elevations: 2183.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6798 **Inside**

Press@RunDepth: 336.21 psig @ 4875.00 ft (KB)
Start Date: 2017.12.16 End Date: 2017.12.16
Start Time: 09:00:55 End Time: 18:02:54

Capacity: 8000.00 psig
Last Calib.: 2017.12.16
Time On Btm: 2017.12.16 @ 10:42:39
Time Off Btm: 2017.12.16 @ 14:46:24

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds, GTS in 13 minutes, Gauged Gas
ISI: Blow Back Built to 1 1/2 inches
FF: Strong Blow , BOB in 30 seconds, GTS immediate, Gauged Gas
FSI: Blow Back Built to 10 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2589.97	110.41	Initial Hydro-static
3	73.49	114.58	Open To Flow (1)
32	166.69	122.92	Shut-In(1)
92	1251.80	124.29	End Shut-In(1)
93	165.42	123.93	Open To Flow (2)
153	336.21	126.81	Shut-In(2)
243	1228.81	126.67	End Shut-In(2)
244	2455.04	123.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3916 GIP	0.00
186.00	Water	1.25
253.00	GMOCW 10%G 10%M 20%O 60%W	2.60
63.00	GMWCO 20%G 10%M 20%W 50%O	0.65
441.00	GSY Oil 20%G 80%O	4.52

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	13.00	20.62
Last Gas Rate	0.25	7.00	11.11
Max. Gas Rate	0.25	15.00	23.80

DRILL STEM TEST REPORT

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63645 **DST#: 5**

Test Start: 2017.12.16 @ 09:00:54

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:45:09
Time Test Ended: 18:02:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Leal Cason
Unit No: 74

Interval: 4874.00 ft (KB) To 4884.00 ft (KB) (TVD)
Total Depth: 4884.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

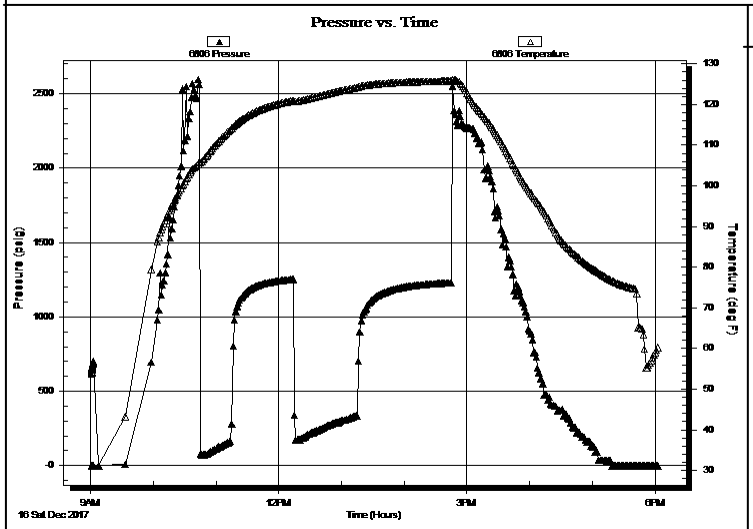
Reference Elevations: 2183.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6806 **Outside**

Press@RunDepth: psig @ 4875.00 ft (KB)
Start Date: 2017.12.16 End Date: 2017.12.16
Start Time: 09:00:55 End Time: 18:03:09

Capacity: 8000.00 psig
Last Calib.: 2017.12.16
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow , BOB in 30 seconds, GTS in 13 minutes, Gauged Gas
ISI: Blow Back Built to 1 1/2 inches
FF: Strong Blow , BOB in 30 seconds, GTS immediate, Gauged Gas
FSI: Blow Back Built to 10 inches



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3916 GIP	0.00
186.00	Water	1.25
253.00	GMOCW 10%G 10%M 20%O 60%W	2.60
63.00	GMWCO 20%G 10%M 20%W 50%O	0.65
441.00	GSY Oil 20%G 80%O	4.52

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	13.00	20.62
Last Gas Rate	0.25	7.00	11.11
Max. Gas Rate	0.25	15.00	23.80

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63645 **DST#: 5**

Test Start: 2017.12.16 @ 09:00:54

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	36.3 deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	83000 ppm
Viscosity:	60.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9400.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3916 GIP	0.000
186.00	Water	1.251
253.00	GMOCW 10%G 10%M 20%O 60%W	2.596
63.00	GMWCO 20%G 10%M 20%W 50%O	0.646
441.00	GSY Oil 20%G 80%O	4.525

Total Length: 943.00 ft Total Volume: 9.018 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Gravity w as 36.8 @ 65 degrees
RW w as .095 @ 70 degrees

DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating Co

125 N Market Ste 1000
Wichita, KS 67202

ATTN: Bill Klaver

15-29S-19W Kiowa

Dargel 1

Job Ticket: 63645 **DST#: 5**

Test Start: 2017.12.16 @ 09:00:54

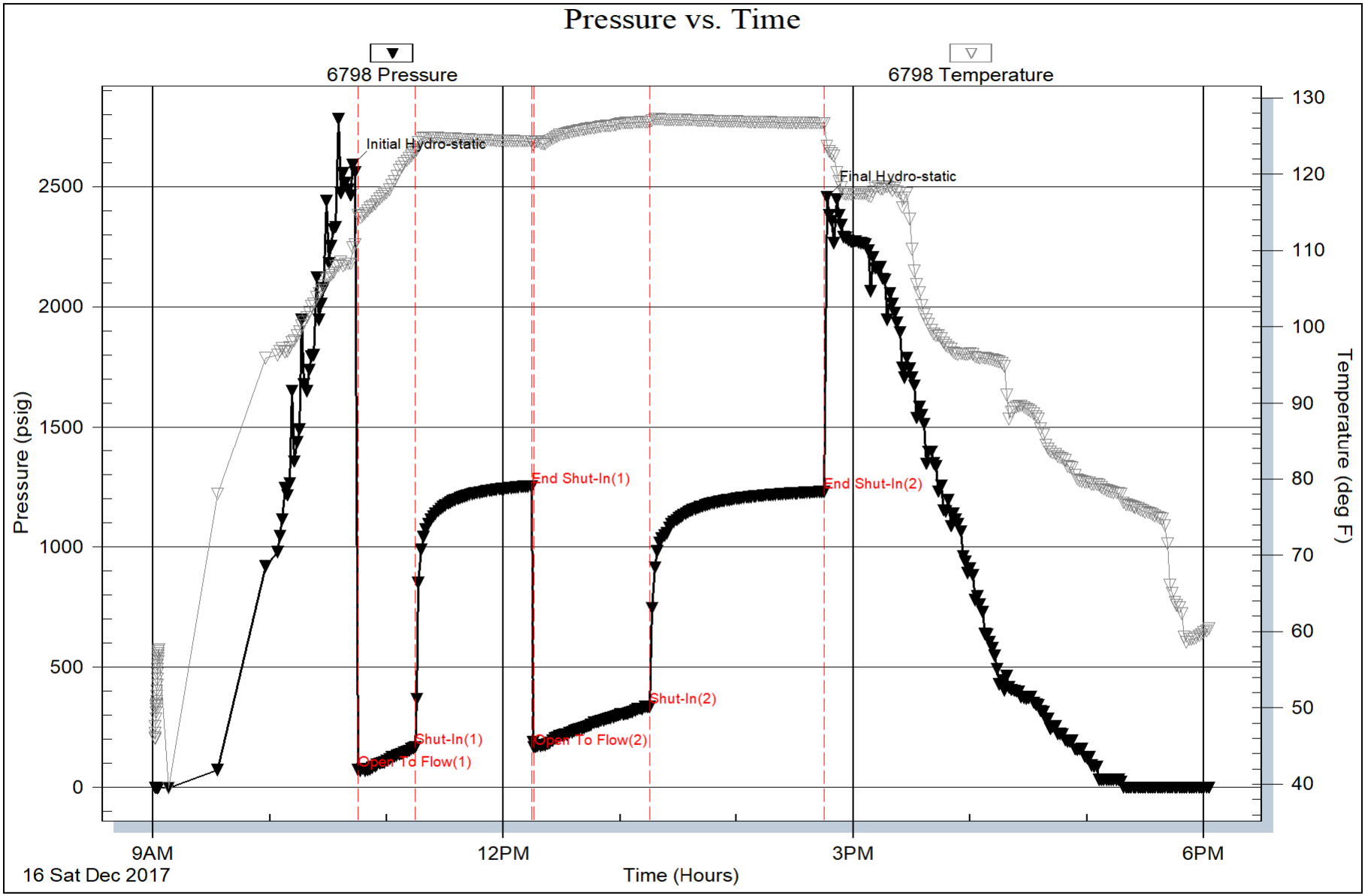
Gas Rates Information

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

Gas Rates Table

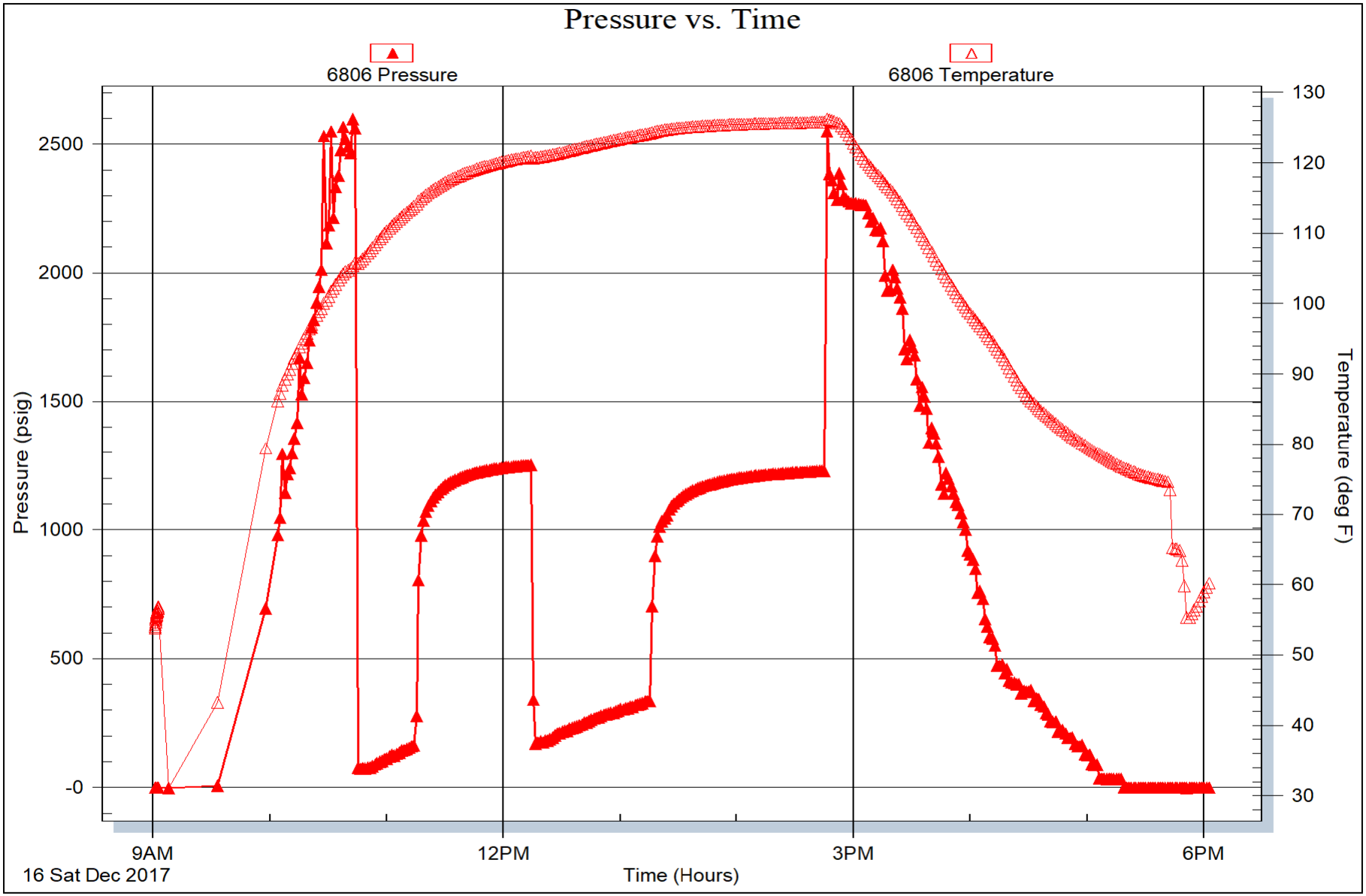
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	20	0.25	13.00	20.62
1	30	0.25	15.00	23.80
2	10	0.25	4.00	6.35
2	20	0.25	6.00	9.52
2	30	0.25	7.00	11.11
2	40	0.25	7.00	11.11
2	50	0.25	7.00	11.11
2	60	0.25	7.00	11.11

Serial #: 6798 **Inside** Woolsey Operating Co Dargel 1 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 63645 Printed: 2017.12.16 @ 19:33:36

Serial #: 6806 **Outside** Woolsey Operating Co Dargel 1 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 63645 Printed: 2017.12.16 @ 19:33:36

Woolsey Operating Company, LLC

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

Well Name: DARGEL #1
Location: Section 15 - Township 29 South - Range 18 West
License Number: 15-097-21831-00-00 Region: Kiowa County, Kansas
Spud Date: December 8, 2017 Drilling Completed: December 19, 2017
Surface Coordinates: N 1/2 SE SE NE
2010' FSL & 330' FEL

Bottom Hole Coordinates:

Ground Elevation (ft): 2171' K.B. Elevation (ft): 2183'
Logged Interval (ft): 3300' To: 5250' Total Depth (ft): 5250'
Formation: Wabaunsee >>> Viola
Type of Drilling Fluid: Chemical Mud displaced at 3386'
Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

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

GEOLOGIST

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

COMMENTS

Surface Casing: Spud 12 midnight on 12/7/17. Set 8 joints of 9 5/8" X 36#/ft new casing to 355' KB (tally 339") with 185 sx 60/40 poz, 2% gel, 3% cc by Basic. Plug down 8:45 am on 12/8/17. Cement did circulate.

Production Casing:

Deviation Surveys: 3/4 at 360', 1 1/4 at 1002', 3/4 at 1505', 1 at 2038', 3/4 at 2539', 3/4 at 3041', 1/2 at 3511', 1/2 at 4264', 1/2 at 4874', 1/2 at 5250'

Pipe Strap @ 3511', Strap: 3511.47, Board: 3511.60', strap .13' long.

Fossil Drilling Rig 3 Bit Record:
1) 12 1/4" Varel TCI RT RR in at 0' out at 360', 2.75 hours
2) 7 7/8" Garage Built RT RR PDC in at 360' out at 3512'
3) 7 7/8" Varel Tool Company PDC in at 3512' out at 5250'

Gas Detector: Pason Systems
Mud System: Mud Co. Justin Whiting, Engineer
DSTs: (5) Trilobite Testing, Leal Cason, Tester
E-logs: ELI Wireline, Gus Phanenstiel, Engineer

DSTs

DST #1 Emporia, 3485'-3511', Misrun, tool plugged, tool slid 16' to bottom. 5" weak blow on IFP, blow dead on FFP. Rec: 124' SGCM (2%Gas, 98%Mud). Used jars for 15 minutes to get tool off bottom.

DST #2 Emporia, 3478'-3512', 30"-60"-60"-60", Fair blow, BOB in 5", Rec: 345' GIP, 193' GCM (10%G, 90%M), 123' MCW (30%M, 70%W), API Rw 0.3 at 53 deg, chlorides 31,000 ppm, IHP 1696, IFP 55-84, ICIP 347, FFP 84-118, FCIP 329, FHP 1611, BHT 99 deg.

DST #3 Lansing (Stanton), 4248'-4264', 30"-60"-60"-60", SB BOB, GTS 52" TSTM, Rec: 4107' GIP, 62' GOMCW (2%G, 4%O, 82%W, 12%M), Rw 0.16 at 70 deg, chlorides 47,000 ppm, IHP 2310, IFP 35-44, ICIP 1212, FFP 45-87, FCIP 1090, FHP 2162, BHT 114 deg

DST #4 Mississippi 4812'-4874', 30"-60"-60"-60", SB GTS in 6", Rec: 4644' GIP, 153' GCM (5%G, 95%M), IFP gas rate, 10 min: 215.8 MCF, 20-30 min: 242.8 MCF, FFP gas rates, 10-20 min: 168.8 MCF, 40-60 min: 161.8 MCF, IHP 2592, IFP 203-134, ICIP 1267, FFP 207-125, FCIP 1255, FHP 2555, BHT 111 deg.

DST #5 Mississippi, 4874'-4884', 30"-60"-60"-90", SB GTS in 13", Rec: 3916' GIP, 441' CGO (20%G, 80%O), 63' HO&GCWM (20%G, 50%, 20%W, 10%M), 253' HO&GCMW (10%G, 20%O, 60%W, 10%M), 186' SW, API Rw .095 @70 deg, chlorides 83,000 ppm, IFP Gas Rate: 20" 20.6 MCF, 30" 23.7 MCF, FFP: 10" 6.3 MCF, 20" 9.5 MCF, 30"-60" 11.1 MCF, IHP 2590, IFP 73-167, ICIP 1252, FFP 165-336, FCIP 1229, FHP 2455, BHT 126 deg.

CREWS

Fossil Drilling Rig 3
Morning Tower: Chris Slaats
Daylights: Pablo Luna
Evening Tower: Gary Axtell

ROCK TYPES

Anhy, Bent, Brec, Cht, Clyst, Coal, Congl, Sdy dolo, Shy dolo, Dol, Gyp, Sdy lmst, Lmst, Mrlst, Salt, Shale, Sltst, Ss, Black sh, Gry sh, Shale, Shysltst, Sltysh, Ss 2, Shale 3, Silty dol, Dol lmst, Dol 2, Granite wash, Lmst, Calc dol, Shale 3

ACCESSORIES

MINERAL: Anhy, Arg, Bent, Bit, Brecfrag, Calc, Carb, Chtdk, Chtlt, Dol, Ferrpel, Ferr, Glau, Gyp, Marl, Nodule, Phos, Pyr, Salt, Sandy, Silt, Chlorite, Dol, Sand, Silty

FOSSIL: Algae, Amph, Belm, Bioclst, Brach, Bryozoa, Cephal, Coral, Crin, Echin, Fish, Foram, Fossil, Gastro, Oolite, Ostra, Pelec, Pellet, Pisolite, Plant, Strom, Fuss, Oomoldic

STRINGER: Anhy, Arg, Bent, Coal, Dol, Gyp, Ls, Mrst, Sltstrg, Ssstrg, Carbsh, Clystn, Dol

TEXTURE: Grysh, Grysit, Lms, Sandylms, Sh, Sltstn, Boundst, Chalky, CryxIn, Earthy, FinexIn, Grainst, Lithogr, MicroxIn, Mudst, Packst, Wackest

Woolsey Operating Company, LLC
Dargel #1
N 1/2 SE SE NE
2010' FSL & 330' FEL
Sec 15 - Twp 29 S - Rge 18 W
Ursula SE Field
Kiowa County, Kansas
GL 2171' KB 2183'
API # 15-097-21831-00-00