KOLAR Document ID: 1584451

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: DEAB OATTUSSIB
Phone: (316) 267-4379
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: BILL KLAVER
Purchaser: ENERGY TRANSFER / TARGA

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 #:

5/29/2021 Spud Date or Recompletion Date
6/9/2021 Date Reached TD
6/23/2021 Completion Date or Recompletion Date

API No.: 15-007-24381-00-00
Spot Description:
NW - NE - SW - NE Sec. 34 Twp. 33 S. R. 12 ☐ East ☑ West
1475 Feet from ☑ North / ☐ South Line of Section
1975 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: Barber
Lease Name: FARNEY C Well #: 1
Field Name: GROENDYKE
Producing Formation: MISENER
Elevation: Ground: 1554 Kelly Bushing: 1567
Total Vertical Depth: 5255 Plug Back Total Depth: 5130
Amount of Surface Pipe Set and Cemented at: 269 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: 37500 ppm Fluid volume: 1800 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Woolsey Operating Company, LLC
Lease Name: CLARKE 1 License #: 33168
Quarter SW Sec. 8 Twp. 32 S. R. 12 ☐ East ☑ West
County: BARBER Permit #: D28492

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: 09/08/2021
☐ **Confidential Release Date:** 09/08/2023
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 09/08/2021

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

Sec. 34 Twp. 33 S. R. 12 ☐ East ☑ West County: Barber

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	1948	-381
LANSING	3985	2418
MISS	4690	-3123
SIMPSON	5157	-3590

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	8.625	23	269	60/40	200	SEE TICKET
Production	7.875	4.5	10.5	5232	60/40	50	SEE TICKET
Production	7.875	4.5	10.5	5232	CLASS H	220	SEE TICKET

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: 7/26/2021

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	70	140	0	2000	44

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
5048	5052

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	5048	5052			200 gal 15% MCA acid & 450 gal 15% NEFE acid

TUBING RECORD: Size: 2.375 Set At: 5092 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	FARNEY C 1
Doc ID	1584451

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	8.625	23	269	60/40	200	SEE TICKET
Production	7.875	4.5	10.5	5232	60/40	50	SEE TICKET
Production	7.875	4.5	10.5	5232	CLASS H	220	SEE TICKET

CEMENT TREATMENT REPORT

Customer:	Woolsey Operating	Well:	Farney 'C' 1	Ticket:	WP 1426
City, State:		County:	Barber, Kansas	Date:	5/30/2021
Field Rep:	Allen Dick	S-T-R:	34-33s-12w	Service:	Surface Casing

Downhole Information	
Hole Size:	12 1/4 in
Hole Depth:	275 ft
Casing Size:	8 5/8 in
Casing Depth:	269 ft
Tubing / Liner:	in
Depth:	ft
Tool / Packer:	
Tool Depth:	ft
Displacement:	15.8 bbls

Calculated Slurry - Lead	
Blend:	
Weight:	ppg
Water / Sx:	gal / sx
Yield:	ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	0.0 bbls
Total Sacks:	0 sx

Calculated Slurry - Tail	
Blend:	60:40:2 + 3%CC + 0.25 cf
Weight:	14.8 ppg
Water / Sx:	5.2 gal / sx
Yield:	1.21 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	
Total Slurry:	43.0 bbls
Total Sacks:	200 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
10:30 PM			-	-	On location - spot equipment - job & safety
				-	
				-	Run 8 5/8" casing & establish circulation with rig
				-	Rig up to cement pump
	3.0			-	Start fresh water via casing
	5.0		5.0	5.0	Fresh water in - start cement
	5.0		43.0	48.0	Cement in - start displacement
12:00 AM	3.0	150.0	15.8	63.8	Displacement in - stop pump
				63.8	Cement did not circulate
				63.8	Ran tape to 50' - did not see cement
				63.8	
					go to Pratt and get more cement
					Run 1" to 60' where it stopped
4:00 AM	1.5	250.0	14.0		Circulate cement to surface and fill cellar with 65 sacks Common + 3% calcium chloride

	CREW	UNIT
Cementer:	Kevin B.	913
Pump Operator:	Mike M.	267
Bulk #1:	Daryl M.	181-532
Bulk #2:	Daryl M.	182-533

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.5 bpm	200 psi	78 bbls

ftv: 15-2021/01/25
mplv: 150-2021/05/24

CEMENT TREATMENT REPORT

Customer:	WOOLSEY OPERATING	Well:	FARNEY 'C' 1	Ticket:	WP 1471
City, State:		County:	BARBER,KS	Date:	6/10/2021
Field Rep:		S-T-R:	34-33S-12W	Service:	4 1/2" LS

Downhole Information		
Hole Size:	7 7/8 in	
Hole Depth:	5255 ft	
Casing Size:	4 1/2 in	10.5#
Casing Depth:	5219.34 ft	
Tubing / Liner:	in	
plug depth:	5178.8 ft	
Tool / Packer:		
Tool Depth:	ft	
Displacement:	82.4 bbls	

Calculated Slurry - Lead	
Blend:	SCAVENGER
Weight:	14.0 ppg
Water / Sx:	gal / sx
Yield:	ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0.0 bbls
Excess:	
Total Slurry:	10.0 bbls
Total Sacks:	50 sx

Calculated Slurry - Tail	
Blend:	H-LD BLEND
Weight:	15 ppg
Water / Sx:	5.9 gal / sx
Yield:	1.49 ft^3 / sx
Annular Bbls / Ft.:	bbs / ft.
Depth:	ft
Annular Volume:	0 bbls
Excess:	35%
Total Slurry:	58.4 bbls
Total Sacks:	220 sx

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
8:00AM			-	-	ON LOCATION
9:45AM				-	RUN 130 JTS. 4 1/2" X 10.5# CASING
				-	SCRATCHERS- 5-11-12-13 3 SCRATCHERS PER JOINT
				-	TURBOLIZERS- 1-4-5-7-9-10-11-12-13-14
				-	CIRCULATE ON JOINT 40
1:00PM				-	CASING ON BOTTOM
1:15PM				-	HOOK UP TO CASING/ BREAK CIRCULATION WITH RIG PUMP AND MUD
2:35PM	3.0	-	7.0	7.0	PLUG RATHOLE
2:45PM	3.0	-	5.0	12.0	PLUG MOUSEHOLE
2:55PM	4.0	300.0	10.0	22.0	MIX 50 SKS SCAVENGER @ 14 PPG
3:00PM	4.0	200.0	58.4	80.4	MIX 220 SKS H-LD CEMENT BLEND @ 15 PPG
3:15PM					SHUT DOWN- CLEAR PUMP AND LINES- DROP LATCH DOWN PLUG
3:20PM	5.0	100.0	-		START DISPLACEMENT
3:31PM	5.0	400.0	59.0		LIFT PRESSURE
3:34PM	4.0	600.0	72.0		SLOW RATE
3:37PM	3.0	1,200.0	82.4		PLUG DOWN- HELD
					CIRCULATION THRU JOB
					WASH UP PUMP TRUCK
					JOB COMPLETE,
					THANKS- KEVEN AND CREW

	CREW	UNIT
Cementer	LESLEY	75
Pump Operator	McLAMORE	176-521
Bulk #1	(RH) TAVINO	
Bulk #2		

SUMMARY		
Average Rate	Average Pressure	Total Fluid
3.9 bpm	350 psi	294 bbls

ftv: 15-2021/01/25
mplv: 105-2021/01/27

DRILL STEM TEST REPORT

Woolsey Operating Comp LLC

125 N Market STE 1000
Wichita, Ks. 67202

ATTN: Bil Klaver

34-33s-12w Barber Co

Farney C #1

Job Ticket: 67234 **DST#: 1**

Test Start: 2021.06.06 @ 22:14:23

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:39:53
Time Test Ended: 06:21:08

Test Type: Conventional Bottom Hole (Initial)
Tester: Matt Smith
Unit No: 68

Interval: 4690.00 ft (KB) To 4724.00 ft (KB) (TVD)
Total Depth: 4724.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

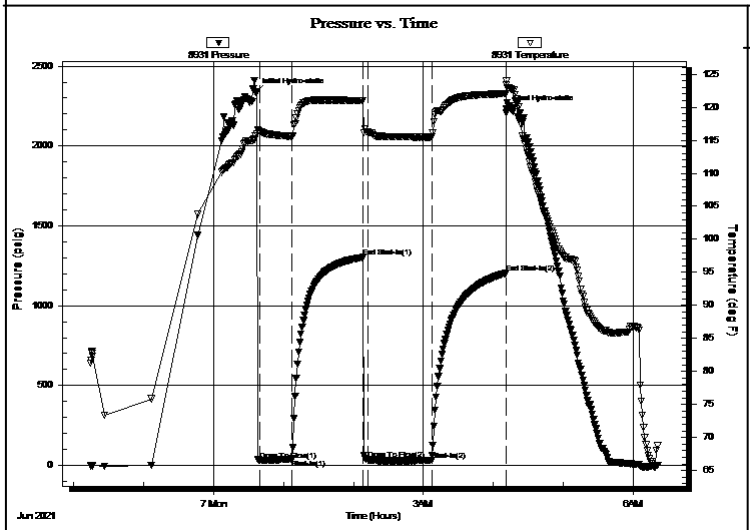
Reference Elevations: 1567.00 ft (KB)
1554.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8931 **Inside**

Press@RunDepth: 31.63 psig @ 4691.00 ft (KB)
Start Date: 2021.06.06 End Date: 2021.06.07
Start Time: 22:14:28 End Time: 06:21:07

Capacity: 8000.00 psig
Last Calib.: 2021.06.07
Time On Btm: 2021.06.07 @ 00:35:53
Time Off Btm: 2021.06.07 @ 04:11:08

TEST COMMENT: IF: Strong Blow . B.O.B. in 30 secs. Built 449.56". (30)
ISI: Strong Blow . B.O.B. immediate after Bleed off. Built t 39.44". G.T.S. (60)
FF: Strong Blow . B.O.B. & G.T.S. immediate. Built up to 335.17". Gauged gas. (60)
FSI: No Blow . (60)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2336.33	115.71	Initial Hydro-static
4	32.42	116.29	Open To Flow (1)
32	40.85	115.57	Shut-In(1)
93	1302.87	121.05	End Shut-In(1)
97	35.86	116.20	Open To Flow (2)
151	31.63	115.50	Shut-In(2)
215	1204.33	122.06	End Shut-In(2)
216	2230.37	124.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
37.00	GVSHOCM 5%g 2%o 93%m	0.52

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	7.01	78.43
Last Gas Rate	0.25	6.06	32.46
Max. Gas Rate	0.38	7.01	78.43

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Comp LLC

125 N Market STE 1000
Wichita, Ks. 67202

ATTN: Bil Klaver

34-33s-12w Barber Co

Farney C #1

Job Ticket: 67234 **DST#: 1**

Test Start: 2021.06.06 @ 22:14:23

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:	10000 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	10000.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
37.00	GVSHOCM 5%g 2%o 93%m	0.519

Total Length: 37.00 ft Total Volume: 0.519 bbl

Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: P 4 Matt
Laboratory Name: Laboratory Location:
Recovery Comments:

DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating Comp LLC

125 N Market STE 1000
Wichita, Ks. 67202

ATTN: Bil Klaver

34-33s-12w Barber Co

Farney C #1

Job Ticket: 67234 **DST#: 1**

Test Start: 2021.06.06 @ 22:14:23

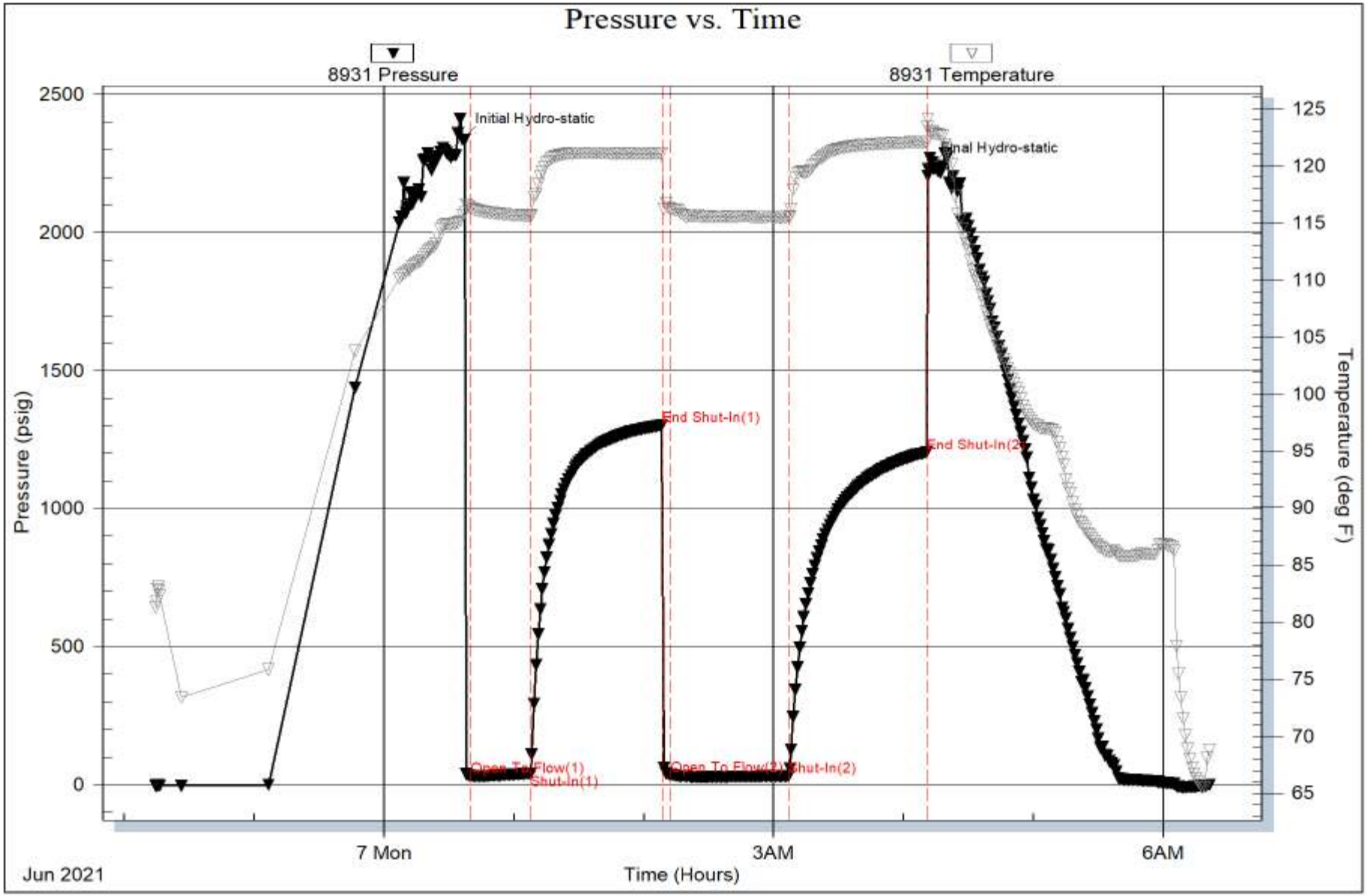
Gas Rates Information

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)
2	10	0.38	7.01	78.43
2	20	0.25	3.56	28.49
2	30	0.25	4.67	30.25
2	40	0.25	5.34	31.32
2	50	0.25	5.81	32.06
2	60	0.25	6.06	32.46

Serial #: 8931 **Inside** Woolsey Operating Comp LLC Farney C #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 67234 Printed: 2021.06.07 @ 07:14:07

DRILL STEM TEST REPORT

Woolsey Operating Comp LLC

125 N Market STE 1000
Wichita, Ks. 67202

ATTN: Bill Klaver

34-33s-12w Barber Co

Farney C #1

Job Ticket: 67235 **DST#: 2**

Test Start: 2021.06.08 @ 16:38:13

GENERAL INFORMATION:

Formation: **Misener**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:01:58
Time Test Ended: 01:36:28

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 68

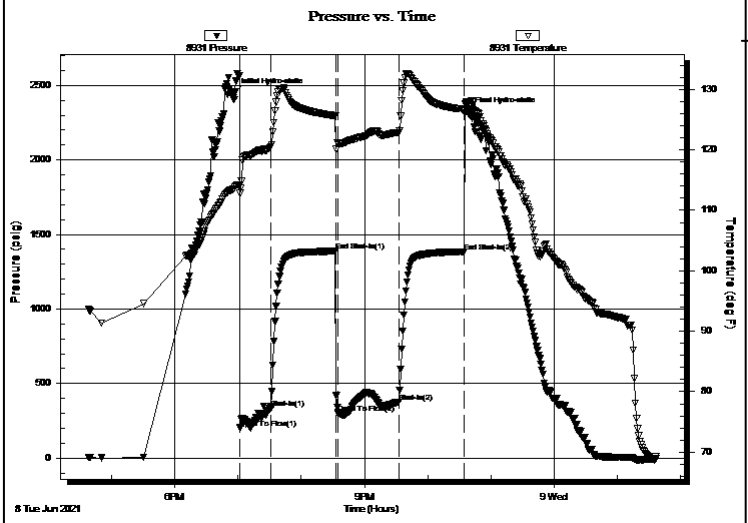
Interval: 4920.00 ft (KB) To 5056.00 ft (KB) (TVD)
Total Depth: 5056.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1567.00 ft (KB)
1554.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8931 **Inside**
Press@RunDepth: 375.35 psig @ 4921.00 ft (KB)
Start Date: 2021.06.08 End Date: 2021.06.09
Start Time: 16:38:18 End Time: 01:36:28

Capacity: 8000.00 psig
Last Calib.: 2021.06.09
Time On Btm: 2021.06.08 @ 18:57:13
Time Off Btm: 2021.06.08 @ 22:38:13

TEST COMMENT: IF: Strong Blow . B.O.B. in 1 min. Built to over 800". G.T.S. in 28 mins. (30)
IS: Strong Blow . B.O.B. Immediate after Bleed off. Built to 18.27 PSI. (60)
FF: Strong Blow . B.O.B. & G.T.S. Immediate. Gauged Gas. (60)
FSI: Strong Blow . B.O.B. Immediate after Bleed off. (60)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2454.02	113.84	Initial Hydro-static
5	203.10	112.79	Open To Flow (1)
35	336.20	120.52	Shut-In(1)
96	1388.17	125.61	End Shut-In(1)
98	302.15	121.14	Open To Flow (2)
156	375.35	122.89	Shut-In(2)
218	1385.13	126.69	End Shut-In(2)
221	2322.70	127.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	GOCM 70%g 25%o 5%m	0.90
64.00	GOCM 5%g 85%o 10%m	0.90
576.00	GOCM 54%g 41%o 5%m	8.08
96.00	GSOCM 46%g 75O 47%M	1.35
0.00	G.I.P. 100%g	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	74.99	327.46
Last Gas Rate	0.50	15.08	198.86
Max. Gas Rate	0.50	119.09	900.48

DRILL STEM TEST REPORT

Woolsey Operating Comp LLC

125 N Market STE 1000
Wichita, Ks. 67202

ATTN: Bill Klaver

34-33s-12w Barber Co

Farney C #1

Job Ticket: 67235 **DST#: 2**

Test Start: 2021.06.08 @ 16:38:13

GENERAL INFORMATION:

Formation: **Misener**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:01:58
Time Test Ended: 01:36:28

Test Type: Conventional Bottom Hole (Reset)
Tester: Matt Smith
Unit No: 68

Interval: 4920.00 ft (KB) To 5056.00 ft (KB) (TVD)
Total Depth: 5056.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

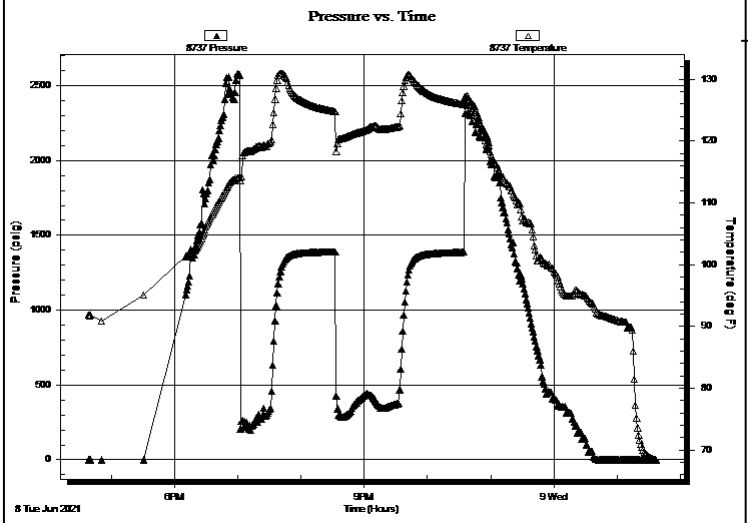
Reference Elevations: 1567.00 ft (KB)
1554.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8737 **Outside**

Press@RunDepth: psig @ 4921.00 ft (KB)
Start Date: 2021.06.08 End Date: 2021.06.09
Start Time: 16:38:34 End Time: 01:36:44

Capacity: 8000.00 psig
Last Calib.: 2021.06.09
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong Blow . B.O.B. in 1 min. Built to over 800". G.T.S. in 28 mins. (30)
IS: Strong Blow . B.O.B. Immediate after Bleed off. Built to 18.27 PSI. (60)
FF: Strong Blow . B.O.B. & G.T.S. Immediate. Gauged Gas. (60)
FSI: Strong Blow . B.O.B. Immediate after Bleed off. (60)



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
64.00	GOCM 70%g 25%o 5%m	0.90
64.00	GOCM 5%g 85%o 10%m	0.90
576.00	GOCM 54%g 41%o 5%m	8.08
96.00	GSOCM 46%g 75O 47%M	1.35
0.00	G.I.P. 100%g	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	74.99	327.46
Last Gas Rate	0.50	15.08	198.86
Max. Gas Rate	0.50	119.09	900.48

DRILL STEM TEST REPORT

FLUID SUMMARY

Woolsey Operating Comp LLC

125 N Market STE 1000
Wichita, Ks. 67202

ATTN: Bill Klaver

34-33s-12w Barber Co

Farney C #1

Job Ticket: 67235 **DST#: 2**

Test Start: 2021.06.08 @ 16:38:13

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:	8000 ppm
Viscosity:	68.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.59 in³	Gas Cushion Type:			
Resistivity:	8000.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
64.00	GOCM 70%g 25%o 5%m	0.898
64.00	GOCM 5%g 85%o 10%m	0.898
576.00	GOCM 54%g 41%o 5%m	8.080
96.00	GSOCM 46%g 75O 47%M	1.347
0.00	G.I.P. 100%g	0.000

Total Length: 800.00 ft Total Volume: 11.223 bbl

Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #: P 22 Matt

Laboratory Name: Laboratory Location:

Recovery Comments: 4,109 G.I.P.

DRILL STEM TEST REPORT

GAS RATES

Woolsey Operating Comp LLC

125 N Market STE 1000
Wichita, Ks. 67202

ATTN: Bill Klaver

34-33s-12w Barber Co

Farney C #1

Job Ticket: 67235 **DST#: 2**

Test Start: 2021.06.08 @ 16:38:13

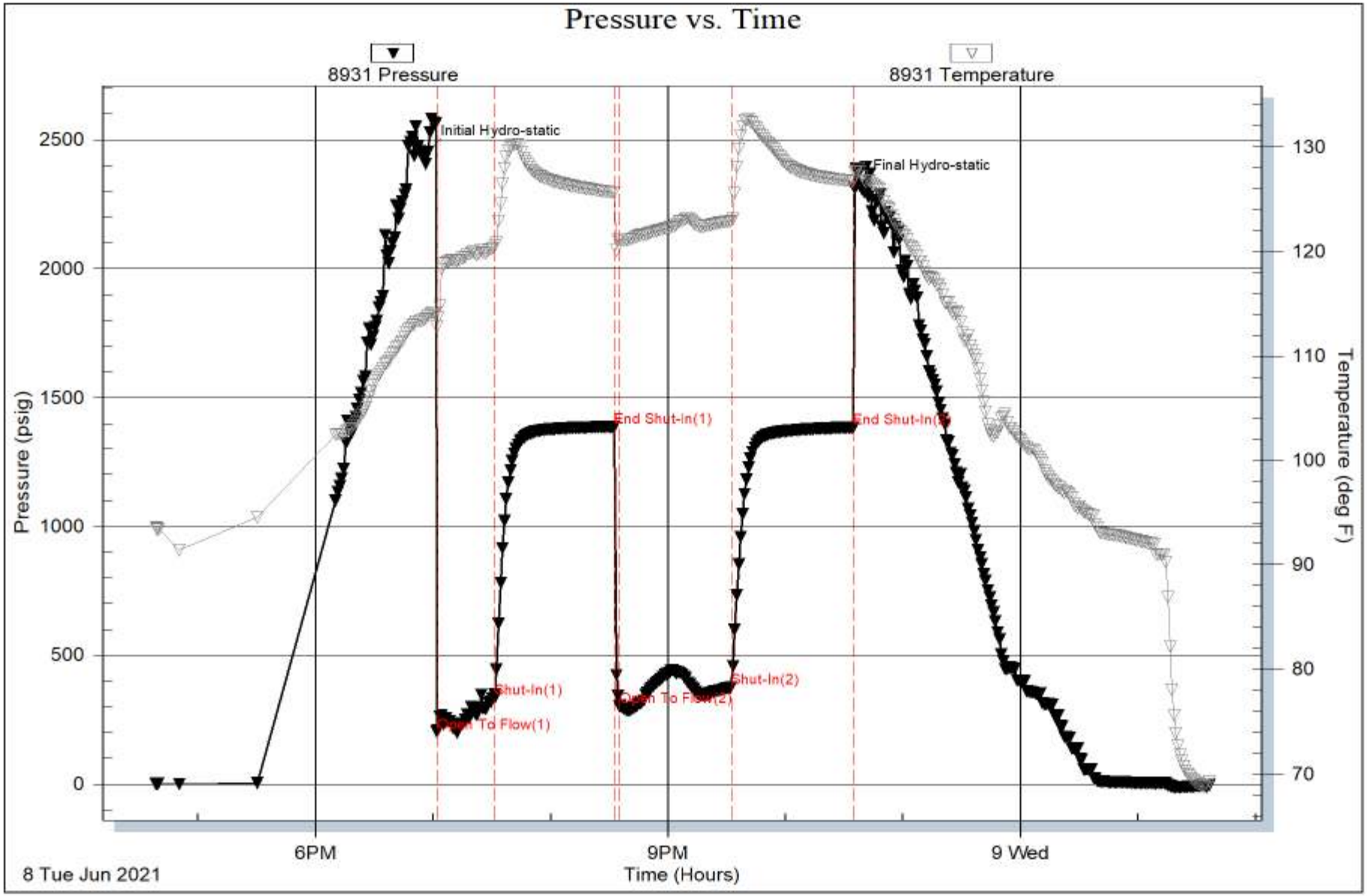
Gas Rates Information

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

Gas Rates Table

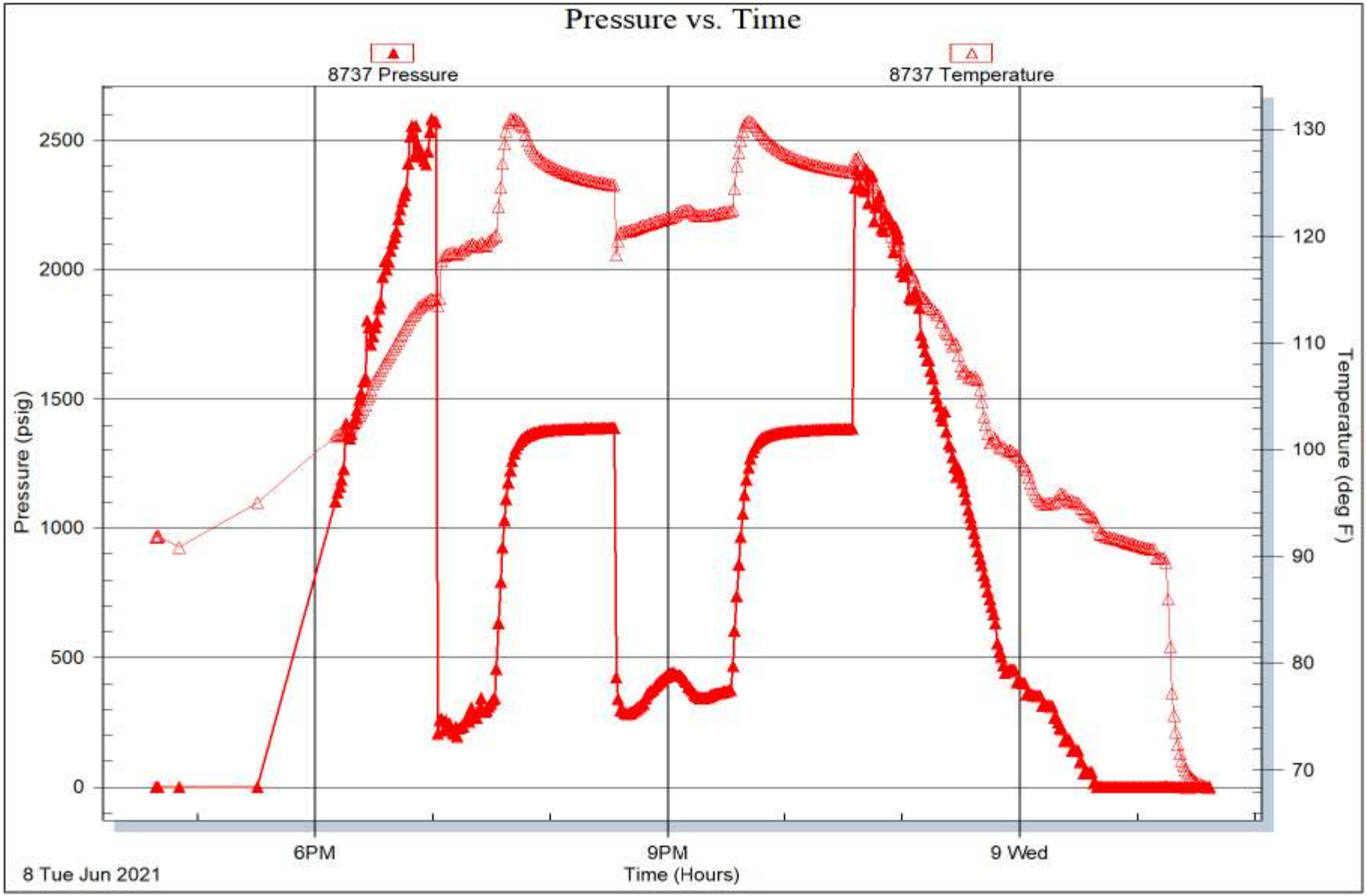
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.38	74.99	327.46
2	20	0.50	119.09	900.48
2	30	0.50	106.84	817.85
2	40	0.50	31.90	312.32
2	50	0.50	19.17	226.45
2	60	0.50	15.08	198.86

Serial #: 8931 **Inside** Woolsey Operating Comp LLC Farney C #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 67235 Printed: 2021.06.09 @ 10:02:13

Serial #: 8737 **Outside** Woolsey Operating Comp LLC Farney C #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 67235 Printed: 2021.06.09 @ 10:02:14

Woolsey Operating Company, LLC
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name:	FARNEY C #1		
API:	15-007-24381-00-00		
Location:	Section 34 - Township 33 South - Range 12 West		
License Number:	33168	Region:	Barber County, Kansas
Spud Date:	May 26, 2021	Drilling Completed:	June, 9, 2021
Surface Coordinates:	1475' FNL & 2015' FEL W 1/2 NE 1/4		
Bottom Hole Coordinates:			
Ground Elevation (ft):	1554'	K.B. Elevation (ft):	1567'
Logged Interval (ft):	3500' To: 5255'	Total Depth (ft):	5255'
Formation:	Topeka >>>> Simpson		
Type of Drilling Fluid:	Chemical Mud		

Printed by MudLog 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: Bill Klaver
Company: Woolsey Operating Co. LLC
Address: 125 N. Market, Wichita Kansas, 67202

COMMENTS

Surface Casing: Spud 4:45 pm on May 29, 2021. Set 6 joints 8 5/8" X 23#/ft new casing at 269' KB (tally 254.46') with 200 sx 60/40 poz. Cement did not circulate, 1" to surface with 65 sx common.
Production Casing: 4 1/2" X 10.5#ft

Deviation Surveys: See detail log
Pipe Strap @ 4724', Strap: 4746.35', Board: 4745.15', Strap 1.20' long. No correction was made to the board.
Duke Rig #7 Bit Record:
1) 12 1/4" RT RR in at 0' out at 275', 4.25 hours
2) 7 7/8" TXD 616 PDC in at 275' out at 5076'
3) 7 7/8" JZ PL516 PDC in at 5076', out at 5255'
Gas Detector: Pason Systems
Mud System: Mud Co. Brad Bortz, Engineer
DST Trilobite Testing, Matt Smith, Tester
E-Logs: ELI, Dual Induction Laterolog w/SP, CNL-FDC w/PE, Gamma Ray and Caliper, Sonic w/GR

DSTs

DST #1 Mississippian, 4690'-4724', SB BOB 30 seconds, GTS on ISIP. Rec: 37' G&OCM (5% G, 2% O, 97% M), Final flow: 10" 74.9 MCF, 20" 27.1, 30" 28.7, 40" 29.7, 50" 30.4, 60" 30.8 MCF. IHP 2336, IFP 32-42, ISIP 1303, FFP 36-42, FSIP 1204, FHP 2230. BHT 116 deg.

DST #2 Misener, 4920'-5056', 30"-60"-60"-60", SB BOB 10 seconds, GTS 28 minutes into IFP. Rec:4109' GIP, 96' GSOCM (46%G, 7%O, 47%M), 576' GOCM (54%G, 41%O, 5%O), 64' GOCM (5%G, 85%, 10%M), 64' GOCM (70%G, 25%O, 5%M). Gas rates in FFP: 20" 837 MCF, 30" 760 MCF, 40" 291 MCF, 50" 211 MCF, 60" 186 MCF. IHP 2454, IFP 203-336, ISIP 1358, FFP 302-375, FCIP 1385, FHP 2323, BHT 113 degrees.

CREWS

Tim Arell, Toolpusher
Scott Edwards, Daylights
Steven "Skippy" Green, Evening
Charles Stout, Morning

ROCK TYPES

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

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, Grysh, Gryslt, Lms, Sandylms, Sh, Sltstn

TEXTURE: Boundst, Chalky, Cryxln, Earthy, Finexln, Grainst, Lithogr, Microxln, Mudst, Packst, Wackest