KOLAR Document ID: 1521006

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 # 5144
Name: Mull Drilling Company, Inc.
Address 1: 1700 N WATERFRONT PKWY BLDG 1200
Address 2:
City: WICHITA State: KS Zip: 67206 + 6637
Contact Person: Rusty Mourning
Phone: (316) 264-6366
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Kevin Kessler
Purchaser: N/A

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 #:

03/05/2020	03/17/2020	03/18/2020
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No.: 15-025-21614-00-00
Spot Description:
NW - NE - NW - SW Sec. 11 Twp. 32 S. R. 23 ☐ East ☑ West
2326 Feet from ☐ North / ☑ South Line of Section
884 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: Clark
Lease Name: BOUZIDEN B Well #: 5-11
Field Name:
Producing Formation: N/A
Elevation: Ground: 2148 Kelly Bushing: 2160
Total Vertical Depth: 5600 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 625 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: 23500 ppm Fluid volume: 1000 bbls
Dewatering method used: Evaporated
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: 06/24/2020
☐ **Confidential Release Date:** 06/24/2022
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 06/25/2020

Operator Name: Mull Drilling Company, Inc. Lease Name: BOUZIDEN B Well #: 5-11

Sec. 11 Twp. 32 S. R. 23 ☐ East ☑ West County: Clark

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:
Attached

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

Name	Top	Datum
Heebner	4308	- 2148
Lansing	4498	- 2338
Stark	4914	- 2754
Cherokee	5167	- 3007
Mississippi	5324	- 3164

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
Conductor	17.5	13.375	48	84	Common	125	2% gel, 3% cc
Surface	12.250	8.625	23	625	Common	270	2% gel, 3% cc
Surface	12.250	8.625	23	625	MDC	125	3% cc

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

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)*

TUBING RECORD: Size: Set At: Packer At:

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

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	BOUZIDEN B 5-11
Doc ID	1521006

All Electric Logs Run

CDL/CNL/PE
DIL
SONIC
MEL

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	BOUZIDEN B 5-11
Doc ID	1521006

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.5	13.375	48	84	Common	125	2% gel, 3% cc
Surface	12.250	8.625	23	625	Common	270	2% gel, 3% cc
Surface	12.250	8.625	23	625	MDC	125	3% cc

DRILL STEM TEST REPORT

Mull Drilling Co

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Kevin Kessler

11-32S-23W Clark

5-11 Bouziden

Job Ticket: 65499 **DST#: 1**

Test Start: 2020.03.13 @ 20:15:00

GENERAL INFORMATION:

Formation: **Lansing "K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:30:17
Time Test Ended: 02:09:02

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

Interval: 4900.00 ft (KB) To 4940.00 ft (KB) (TVD)
Total Depth: 4940.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

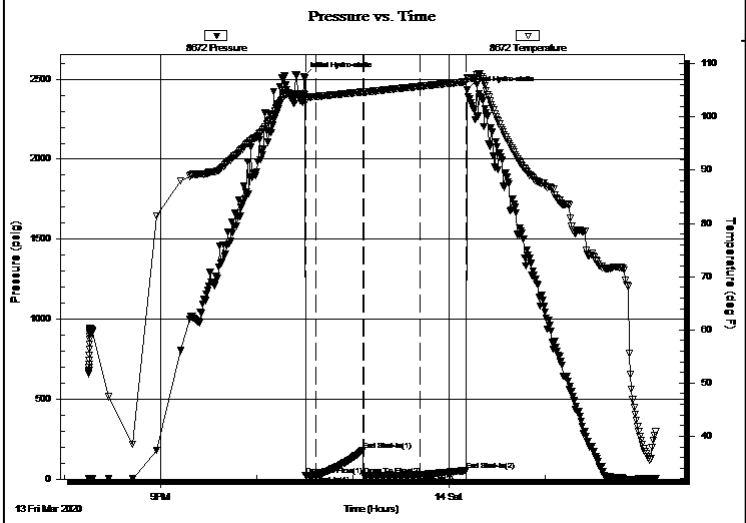
Reference Elevations: 2160.00 ft (KB)
2148.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 27.93 psig @ 4901.00 ft (KB)
Start Date: 2020.03.13 End Date: 2020.03.14
Start Time: 20:15:01 End Time: 02:09:02

Capacity: psig
Last Calib.: 2020.03.14
Time On Btm: 2020.03.13 @ 22:29:17
Time Off Btm: 2020.03.14 @ 00:11:17

TEST COMMENT: IF: Weak 1/2 inch Blow
ISI: No Blow Back
FF: No Blow
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2515.57	104.29	Initial Hydro-static
1	23.32	102.94	Open To Flow (1)
8	23.93	103.83	Shut-In(1)
37	181.04	104.68	End Shut-In(1)
38	23.83	104.68	Open To Flow (2)
73	27.93	105.76	Shut-In(2)
102	55.03	106.65	End Shut-In(2)
102	2431.67	107.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud	0.07

Gas Rates

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

DRILL STEM TEST REPORT

Mull Drilling Co

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Kevin Kessler

11-32S-23W Clark

5-11 Bouziden

Job Ticket: 65499 **DST#: 1**

Test Start: 2020.03.13 @ 20:15:00

GENERAL INFORMATION:

Formation: **Lansing "K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:30:17
Time Test Ended: 02:09:02

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

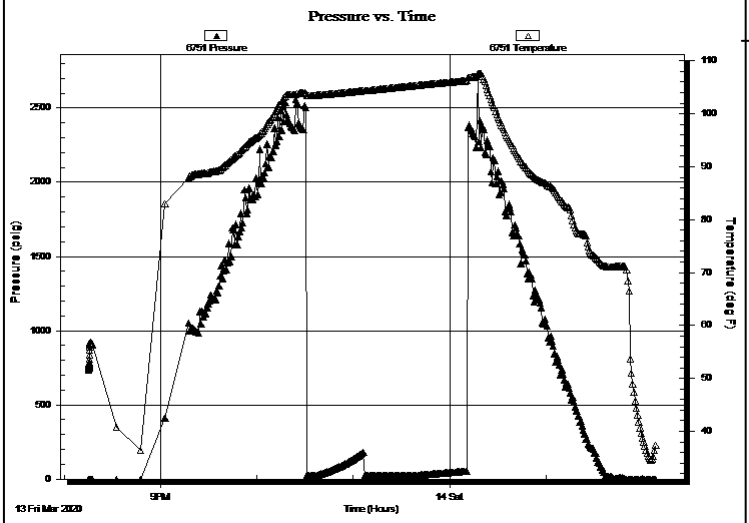
Interval: 4900.00 ft (KB) To 4940.00 ft (KB) (TVD)
Total Depth: 4940.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2160.00 ft (KB)
2148.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6751 **Outside**
Press@RunDepth: psig @ 4901.00 ft (KB)
Start Date: 2020.03.13 End Date: 2020.03.14
Start Time: 20:15:01 End Time: 02:09:02

Capacity: psig
Last Calib.: 2020.03.14
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak 1/2 inch Blow
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)
5.00	Mud	0.07

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Co

1700 N Waterfront Pkw y
Bldg 1200
Wichita, KS 67206
ATTN: Kevin Kessler

11-32S-23W Clark

5-11 Bouziden

Job Ticket: 65499 **DST#: 1**

Test Start: 2020.03.13 @ 20:15:00

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:	63.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

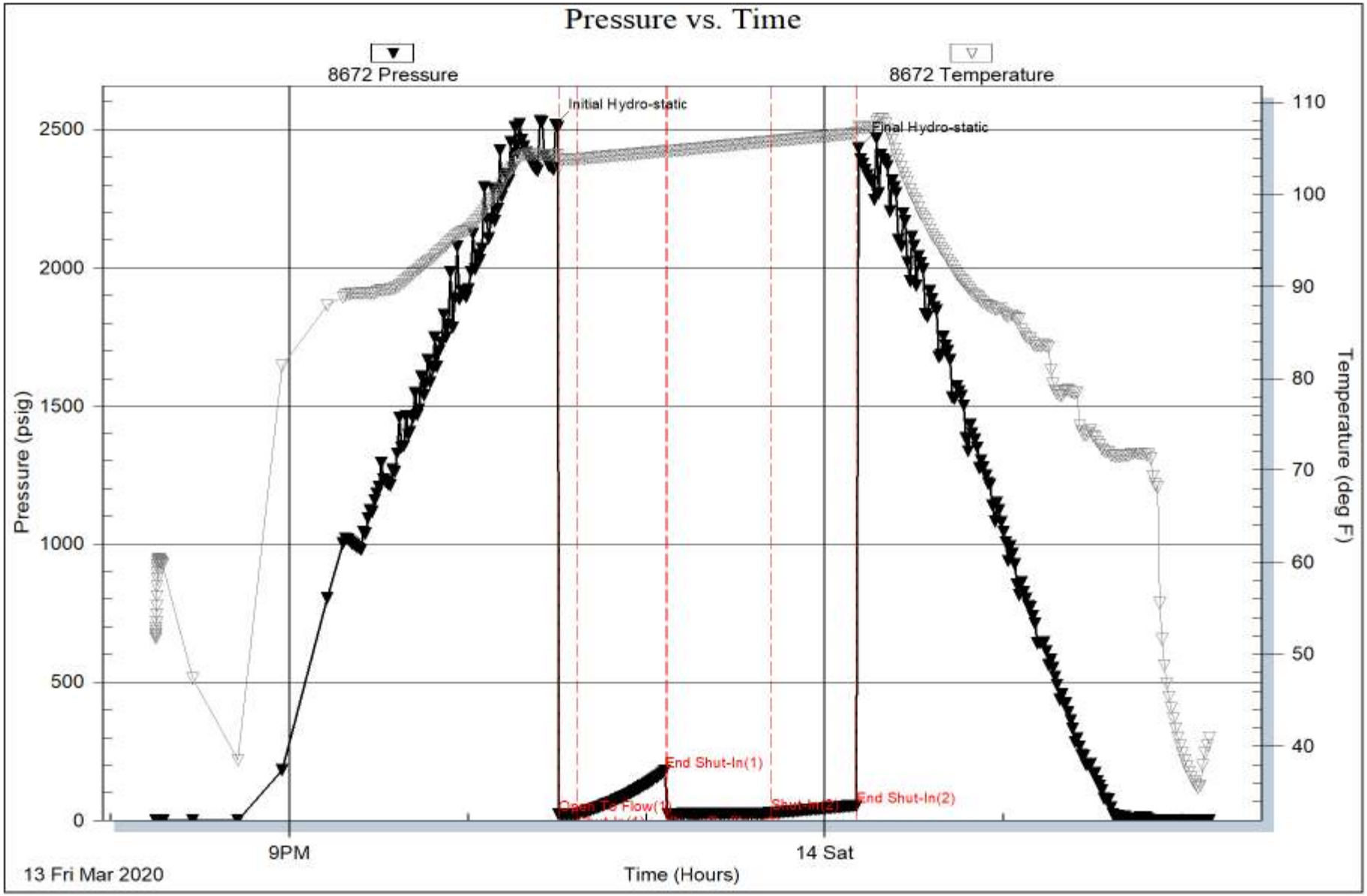
Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

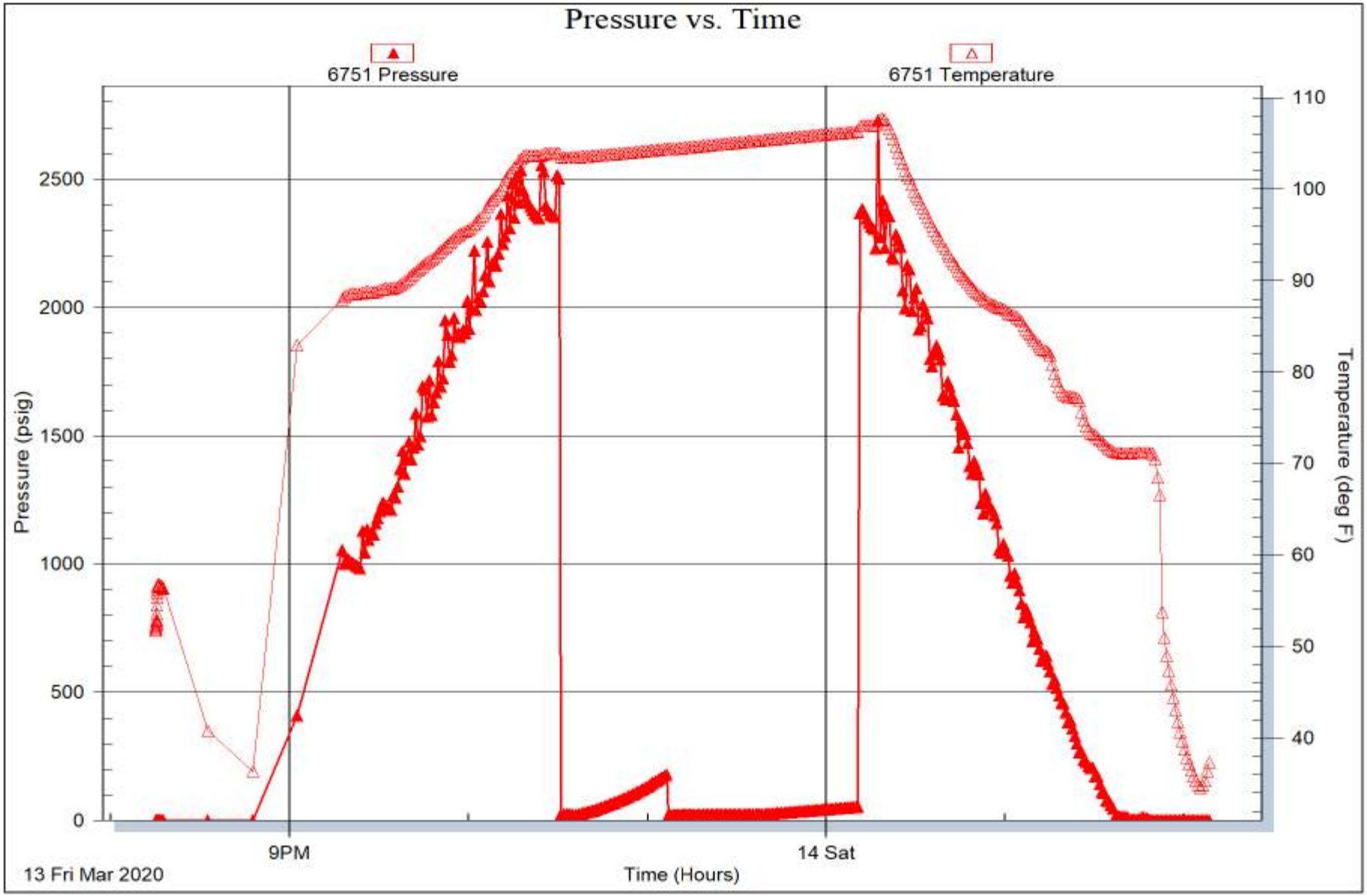
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8672 **Inside** Mull Drilling Co 5-11 Bouziden DST Test Number: 1



Trilobite Testing, Inc Ref. No: 65499 Printed: 2020.03.14 @ 08:25:33

Serial #: 6751 **Outside** Mull Drilling Co 5-11 Bouziden DST Test Number: 1



Trilobite Testing, Inc Ref. No: 65499 Printed: 2020.03.14 @ 08:25:33

DRILL STEM TEST REPORT

Mull Drilling Co

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Kevin Kessler

11-32S-23W Clark

5-11 Bouziden

Job Ticket: 65500 **DST#: 2**

Test Start: 2020.03.14 @ 19:54:00

GENERAL INFORMATION:

Formation: **Marmaton/Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:08:32
Time Test Ended: 02:56:02

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

Interval: 5075.00 ft (KB) To 5130.00 ft (KB) (TVD)
Total Depth: 5130.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

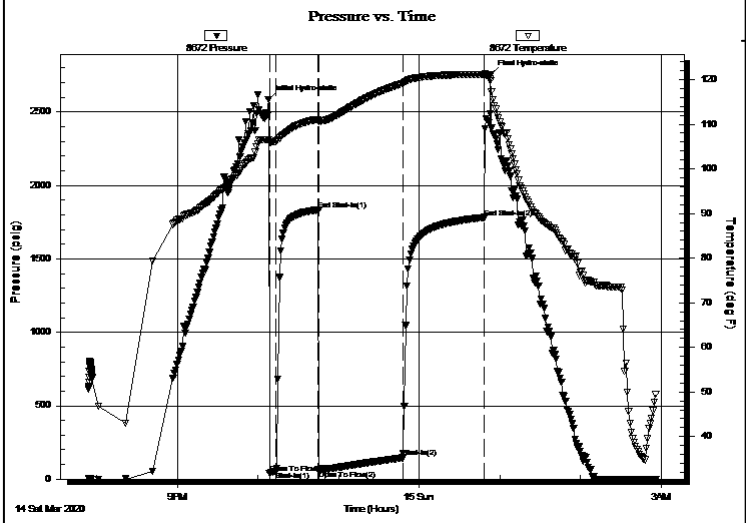
Reference Elevations: 2160.00 ft (KB)
2148.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 145.53 psig @ 5076.00 ft (KB)
Start Date: 2020.03.14 End Date: 2020.03.15
Start Time: 19:54:01 End Time: 02:56:02

Capacity: psig
Last Calib.: 2020.03.15
Time On Btm: 2020.03.14 @ 22:07:47
Time Off Btm: 2020.03.15 @ 00:53:02

TEST COMMENT: IF: Weak Blow , Built to 2 1/2 inches
ISI: No Blow Back
FF: Fair Blow , Built to 9 1/2 inches
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2585.84	106.58	Initial Hydro-static
1	41.67	105.93	Open To Flow (1)
6	54.68	106.20	Shut-In(1)
37	1832.82	111.07	End Shut-In(1)
38	62.85	110.53	Open To Flow (2)
100	145.53	119.13	Shut-In(2)
161	1782.37	121.20	End Shut-In(2)
166	2756.99	119.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	150 GIP	0.00
186.00	MCW 10%M 90%W	2.61
30.00	SGCM 2%G 98%M	0.42

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Mull Drilling Co

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Kevin Kessler

11-32S-23W Clark

5-11 Bouziden

Job Ticket: 65500 **DST#: 2**

Test Start: 2020.03.14 @ 19:54:00

GENERAL INFORMATION:

Formation: **Marmaton/Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:08:32
Time Test Ended: 02:56:02

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

Interval: 5075.00 ft (KB) To 5130.00 ft (KB) (TVD)
Total Depth: 5130.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

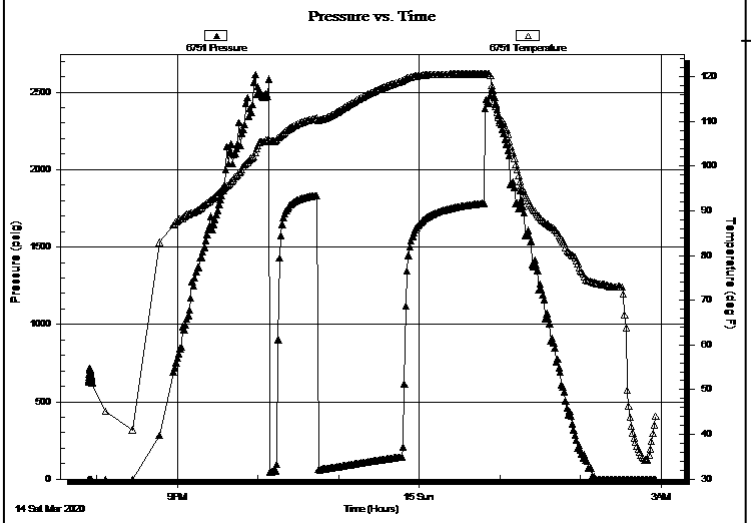
Reference Elevations: 2160.00 ft (KB)
2148.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6751 **Outside**

Press@RunDepth: psig @ 5076.00 ft (KB)
Start Date: 2020.03.14 End Date: 2020.03.15
Start Time: 19:54:01 End Time: 02:56:02

Capacity: psig
Last Calib.: 2020.03.15
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Weak Blow , Built to 2 1/2 inches
ISI: No Blow Back
FF: Fair Blow , Built to 9 1/2 inches
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	150 GIP	0.00
186.00	MCW 10%M 90%W	2.61
30.00	SGCM 2%G 98%M	0.42

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Co

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Kevin Kessler

11-32S-23W Clark

5-11 Bouziden

Job Ticket: 65500 **DST#: 2**

Test Start: 2020.03.14 @ 19:54:00

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:	63000 ppm
Viscosity:	62.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	150 GIP	0.000
186.00	MCW 10%M 90%W	2.609
30.00	SGCM 2%G 98%M	0.421

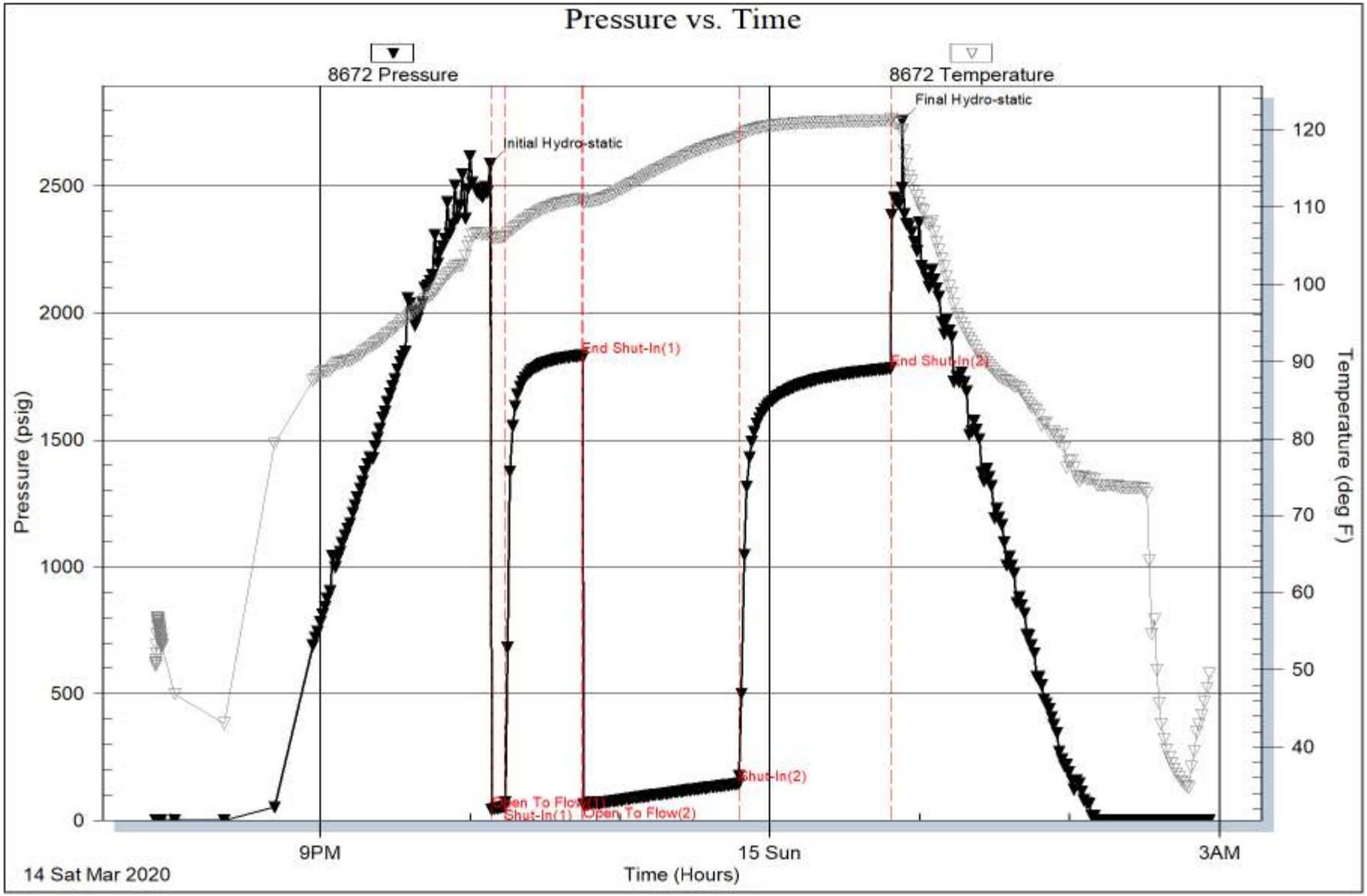
Total Length: 216.00 ft Total Volume: 3.030 bbl

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

Laboratory Name: Laboratory Location:

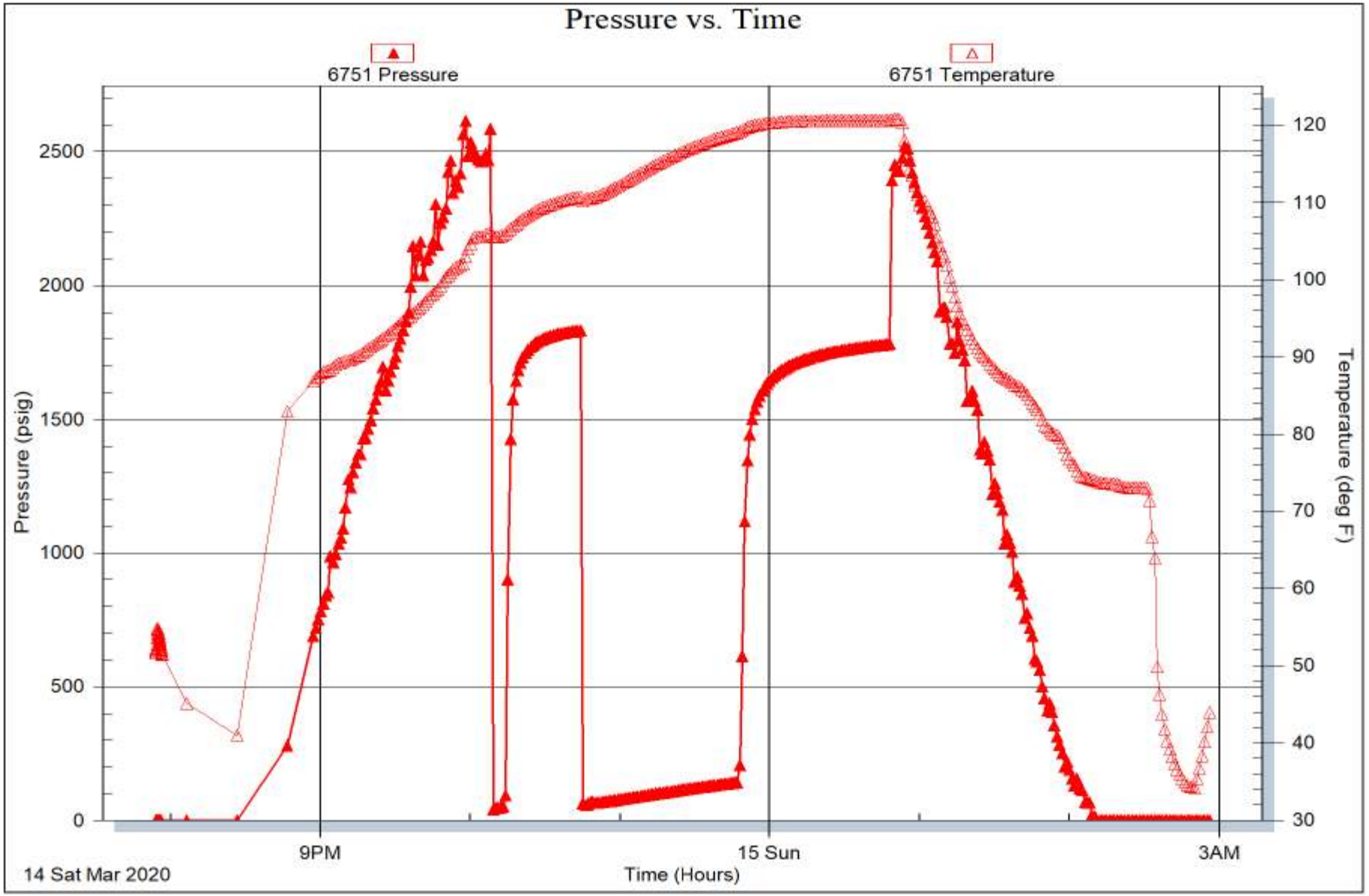
Recovery Comments: RW was .18 @ 48 degrees

Serial #: 8672 **Inside** Mull Drilling Co 5-11 Bouziden DST Test Number: 2



Trilobite Testing, Inc Ref. No: 65500 Printed: 2020.03.15 @ 08:12:32

Serial #: 6751 **Outside** Mull Drilling Co 5-11 Bouziden DST Test Number: 2



Trilobite Testing, Inc Ref. No: 65500 Printed: 2020.03.15 @ 08:12:32

DRILL STEM TEST REPORT

Mull Drilling Co

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Kevin Kessler

11-32S-23W Clark

5-11 Bouziden

Job Ticket: 65426 **DST#: 3**

Test Start: 2020.03.16 @ 01:00:00

GENERAL INFORMATION:

Formation: **Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:13:17
Time Test Ended: 07:58:02

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

Interval: 5280.00 ft (KB) To 5320.00 ft (KB) (TVD)
Total Depth: 5320.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

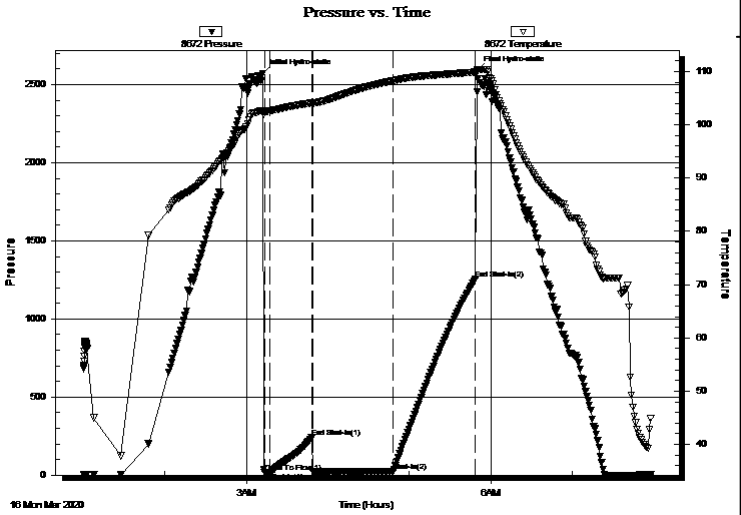
Reference Elevations: 2160.00 ft (KB)
2148.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8672 **Inside**

Press@RunDepth: 25.23 psig @ 5281.00 ft (KB)
Start Date: 2020.03.16 End Date: 2020.03.16
Start Time: 01:00:01 End Time: 07:58:02

Capacity: psig
Last Calib.: 2020.03.16
Time On Btm: 2020.03.16 @ 03:11:47
Time Off Btm: 2020.03.16 @ 05:50:02

TEST COMMENT: IF: Fair Blow , Built to 4 1/2 inches
ISI:No Blow Back
FF: Strong Blow , BOB in 14 minutes, Built to 49 inches
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2572.02	102.70	Initial Hydro-static
2	15.79	102.27	Open To Flow (1)
6	17.54	102.64	Shut-In(1)
37	240.93	104.08	End Shut-In(1)
37	22.36	104.08	Open To Flow (2)
97	25.23	108.28	Shut-In(2)
157	1255.05	109.94	End Shut-In(2)
159	2591.53	110.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	597 GIP	0.00
30.00	GCM 5%G 95%M	0.42

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Mull Drilling Co

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Kevin Kessler

11-32S-23W Clark

5-11 Bouziden

Job Ticket: 65426 **DST#: 3**

Test Start: 2020.03.16 @ 01:00:00

GENERAL INFORMATION:

Formation: **Morrow Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:13:17
Time Test Ended: 07:58:02

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

Interval: 5280.00 ft (KB) To 5320.00 ft (KB) (TVD)
Total Depth: 5320.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

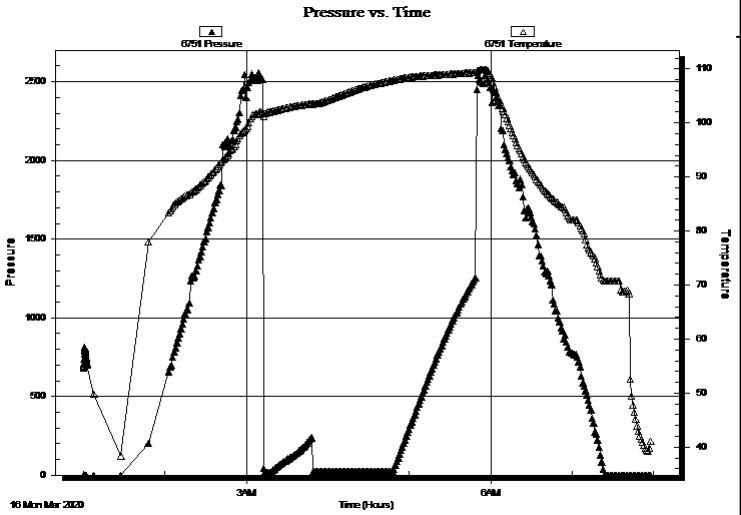
Reference Elevations: 2160.00 ft (KB)
2148.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 6751 **Outside**

Press@RunDepth: psig @ 5281.00 ft (KB)
Start Date: 2020.03.16 End Date: 2020.03.16
Start Time: 01:00:01 End Time: 07:58:02

Capacity: psig
Last Calib.: 2020.03.16
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Fair Blow , Built to 4 1/2 inches
ISI:No Blow Back
FF: Strong Blow , BOB in 14 minutes, Built to 49 inches
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	597 GIP	0.00
30.00	GCM 5%G 95%M	0.42

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Co

1700 N Waterfront Pkwy
Bldg 1200
Wichita, KS 67206
ATTN: Kevin Kessler

11-32S-23W Clark

5-11 Bouziden

Job Ticket: 65426 **DST#: 3**

Test Start: 2020.03.16 @ 01:00:00

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

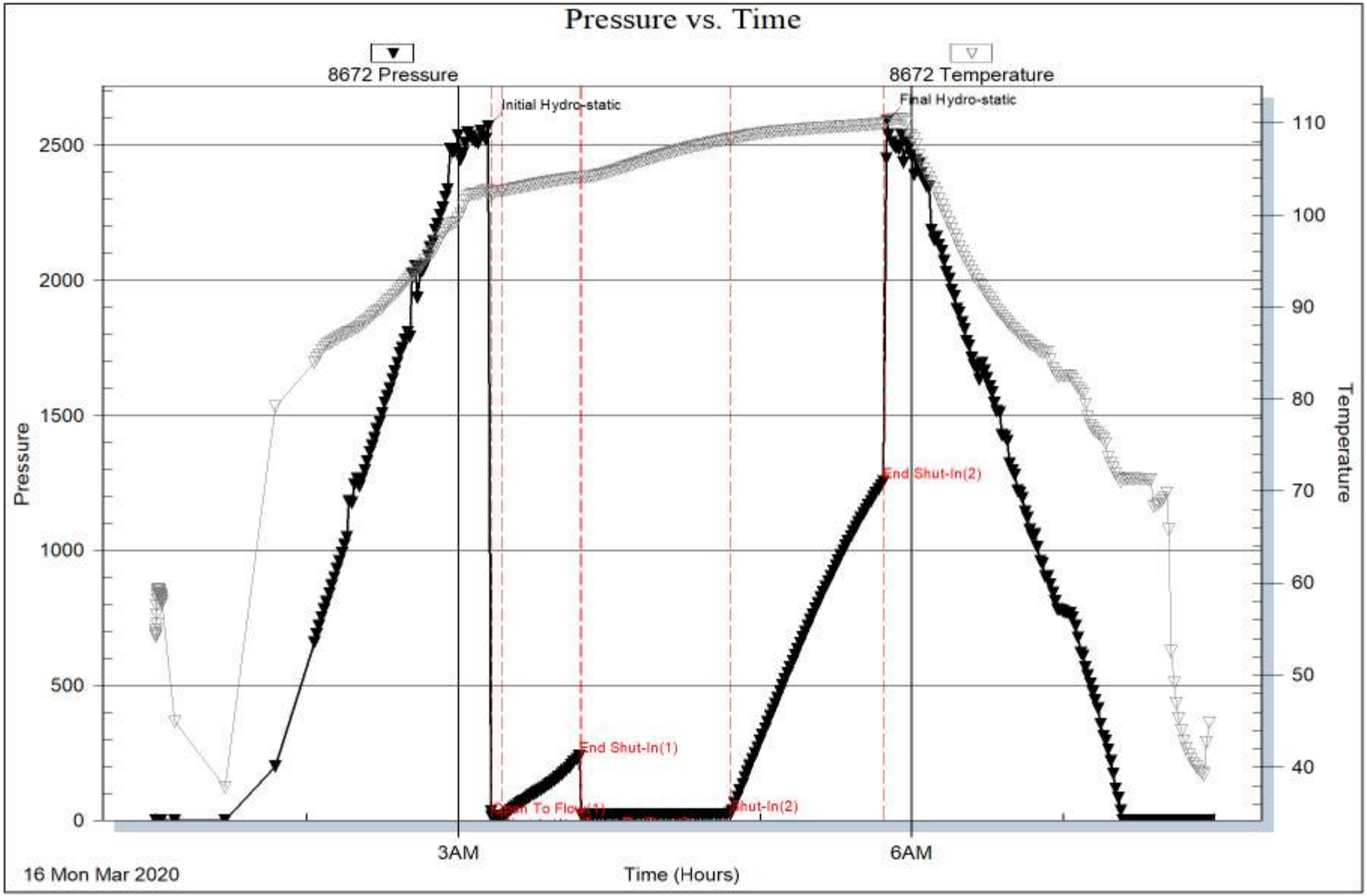
Recovery Table

Length ft	Description	Volume bbl
0.00	597 GIP	0.000
30.00	GCM 5%G 95%M	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

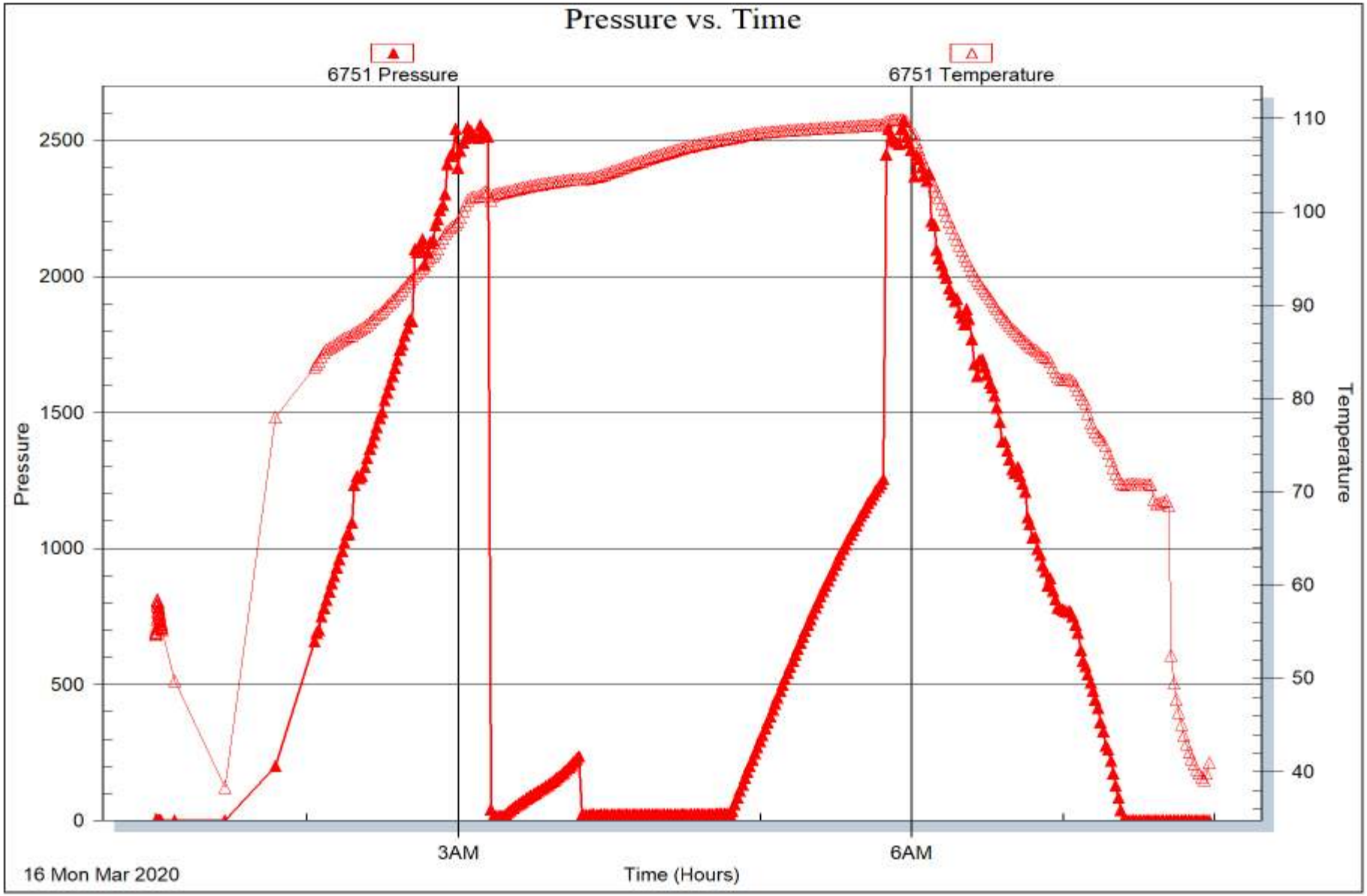
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8672 **Inside** Mull Drilling Co 5-11 Bouziden DST Test Number: 3



Trilobite Testing, Inc Ref. No: 65426 Printed: 2020.03.16 @ 08:51:57

Serial #: 6751 **Outside** Mull Drilling Co 5-11 Bouziden DST Test Number: 3



Trilobite Testing, Inc Ref. No: 65426 Printed: 2020.03.16 @ 08:51:57

KEVIN L. KESSLER

CONSULTING PETROLEUM GEOLOGIST

(316) 522 - 7338

OPERATOR : MULL DRILLING COMPANY INC.

LEASE : BOUZIDEN "B" **WELL # :** 5 - 11

LOCATION : 2326' FSL & 884' FWL

SEC : 11 **TWP :** 32 S **RGE :** 23 W

COUNTY : CLARK **STATE :** KANSAS

CONTRACTOR: DUKE RIG # 1

COMM: 03/05/2020 **COMP:** 03/17/2020

RTD: 5600' **LTD:** 5604'

GEOLOGICAL SUPERVISION FROM: 4200' **TO:** RTD

SAMPLES SAVED FROM: 4200' **TO:** RTD

FORMATION:	LOG DATUM		SAMPLE DATUM		COMP.
	TOP	DATUM	TOP	DATUM	
HEEBNER	4308	- 2148	4308	- 2148	- 07
LANSING	4498	- 2338	4498	- 2338	- 12
STARK	4914	- 2754	4914	- 2754	- 06
CHEROKEE	5167	- 3007	5167	- 3007	+ 15
MISSISSIPPI	5324	- 3164	5324	- 3164	- 14
.	.		.		
.	.		.		
.	.		.		

REFERENCE WELL FOR STRUCTURAL COMPARISON

MULL DRILLING # 4-10 BOUZIDEN "A" CLARK COUNTY KS

ELEVATION

KB: 2160'

GL: 2148'

MEASUREMENTS FROM

KB

CASING RECORD:

SURFACE:

8 5/8" @ 625'

PRODUCTION:

NONE

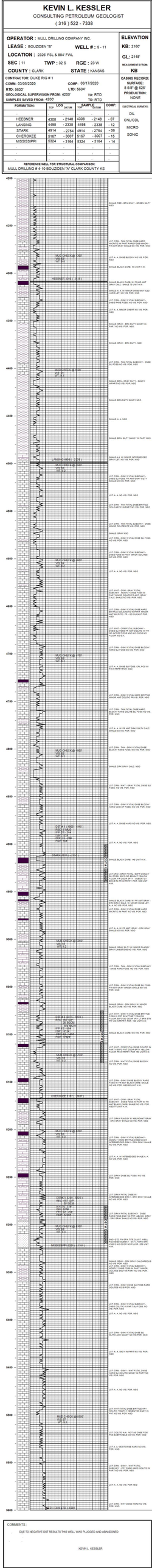
ELECTRICAL SURVEYS:

DIL

CNL/CDL

MICRO

SONIC



COMMENTS

DUE TO NEGATIVE DST RESULTS THIS WELL WAS PLUGGED AND ABANDONED

KEVIN L. KESSLER

QUALITY WELL SERVICE, INC.

7376

Federal Tax I.D. # 481187368
Home Office 30060 N. Hwy 281, Pratt, KS 67124
Mailing Address P.O. Box 468

Office 620-727-3410
Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 2-5-20	11	32S	23W	Clark	KS		

Lease Bouziden Well No. B 5-11 Location Ashland Ks 1W 5.2 N .7 E into

Contractor Duke Drlg Rig #1

Type Job Cond

Hole Size 17 1/2 T.D. 100'

Csg. 13 3/8 48# Depth 94'

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 15 Shoe Joint 15

Meas Line Displace 10.84

EQUIPMENT

Pumptrk 3 No.

Bulktrk 10 No.

Bulktrk No.

Pickup No.

JOB SERVICES & REMARKS

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Run 2 jts 13 3/8 48# CSG SET @ 94'
CSG on Bottom Hookup to CSG &
Break Circ w/Rig
START Pumping H2O
START mix/Pump 125 sx Common
2% GEL 3% CC 1/2# PS @ 14.8#/GAL
START D.SP
10.8 BBL out
Close Valve on CSG 150#
Good Circ Thru JOB
Circ CMT TO PIT

THank YOU
PLEASE Call AGAIN
TODD IS MIKE

X Signature

Owner

To Quality Well Service, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To MULL Drlg Co. INC.

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 125 sx Common
2% GEL 3% CC 1/2# PS

Common	125
Poz. Mix	
Gel.	235#
Calcium	353#
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	134
Mileage	65/ 87.10

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
SERVICE SUP 1 EA	
LMV 65	
Pumptrk Charge	Cond
Mileage	130
Tax	
Discount	
Total Charge	

QUALITY WELL SERVICE, INC.

7390

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Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

	Sec.	Twp.	Range	County	State	On Location	Finish
Date 2-6-20	11	32	23	Clark	KS		

Lease Boaziden Well No BS-11 Location Ashland 1W 5N E into

Contractor Duke 1 Owner Mull

Type Job Surface

To Quality Well Service, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 12 ¼	T.D. 625
Csg. 8 5/8 23#	Depth 625
Tbg. Size	Depth
Tool	Depth
Cement Left in Csg. ~~35~~ 40	Shoe Joint 40
Meas Line	Displace 37.4

Charge To Mull Drlg Co. Inc

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 125 sx MDC 3% CC 1/2# PS
270 sx Common 2% Gel 3% CC 1/2# PS

EQUIPMENT

Pumptrk	No.	8
Bulktrk	No.	12
Bulktrk	No.	10
Pickup	No.	

JOB SERVICES & REMARKS

Rat Hole	
Mouse Hole	
Centralizers	
Baskets	2, 4
D/V or Port Collar	
On Location R-3 Rig-in Csg.	
Csg. on Bottom	
Hook up to Csg.	
Mix & Pump 125 sx MDC	
Mix & Pump 100 sx Com 2% gel 3% CC	
½# PS	
Drop Plug	
Disp Plug 37 ¾ BBL H2O	
Close Valve	
Wait 1 Hr to Tag no Tag 96'	
Mix & Pump 100 sx Com 2% gel 3% CC ½# PS	
Wait 1 Hr	
Mix & Pump 70 sx Com 2% gel 3% CC ½# PS	

Common	270
Poz-Mix (MDC)	125
Gel.	509#
Calcium	1114#
Hulls	
Salt	
Flowseal	197.5#
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	422
Mileage	65 / 13715

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	2 EA
AFU Inserts	1 ~~Baffle Plate~~
Float Shoe	1 Wooden Plug EA
Latch Down	
Service Sup.	1 EA
LMV	65
Pumptrk Charge	Surface
Mileage	195
Tax	
Discount	
Total Charge	

X Signature

Taylor Printing, Inc.