



DRILL STEM TEST REPORT

Prepared For: **Jaspar Co**

PO Box 1120
Hays KS 67601

ATTN: Cameron Brin

Casemon Unit #1

21-9s-19w Rooks,KS

Start Date: 2019.08.14 @ 08:03:02

End Date: 2019.08.14 @ 14:48:04

Job Ticket #: 65980 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.19 @ 09:26:36



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65980 **DST#: 1**
Test Start: 2019.08.14 @ 08:03:02

GENERAL INFORMATION:

Formation: **Toronto - LKC A**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 09:58:19 Tester: Spencer Staab
Time Test Ended: 14:48:04 Unit No: 84
Interval: 3277.00 ft (KB) To 3342.00 ft (KB) (TVD) Reference Elevations: 2133.00 ft (KB)
Total Depth: 3342.00 ft (KB) (TVD) 2127.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 6.00 ft

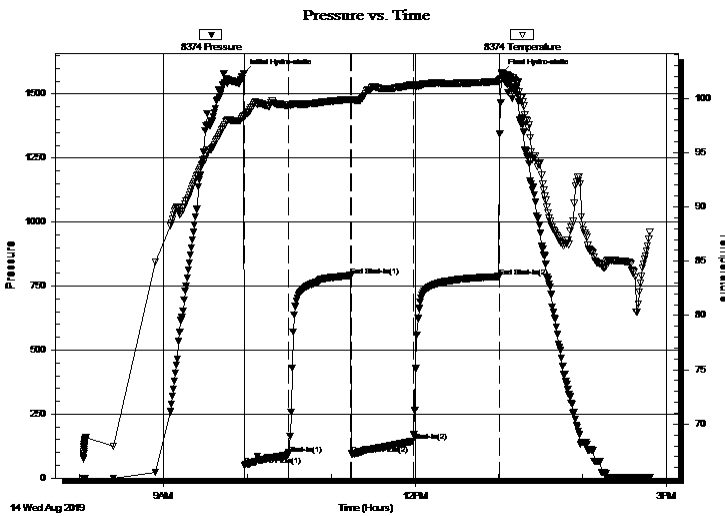
Serial #: 8374

Inside

Press@RunDepth: 143.78 psig @ 3278.00 ft (KB) Capacity: psig
Start Date: 2019.08.14 End Date: 2019.08.14 Last Calib.: 2019.08.14
Start Time: 08:03:03 End Time: 14:48:04 Time On Btm: 2019.08.14 @ 09:57:34
Time Off Btm: 2019.08.14 @ 13:02:04

TEST COMMENT: IFP - 30 Tool slid 12' - 4 1/2" blow BOB in 12 min built to 22"
ISI - 45 Weak blow built to 2"
FFP - 45 BOB in 9 min built to 32"
FSI - 60 Weak blow built to 9"

PRESSURE SUMMARY



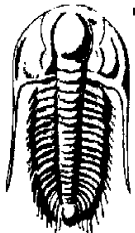
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1580.72	98.34	Initial Hydro-static
1	51.27	98.33	Open To Flow (1)
32	91.84	99.36	Shut-In(1)
77	791.23	99.89	End Shut-In(1)
78	94.93	99.84	Open To Flow (2)
121	143.78	101.22	Shut-In(2)
183	787.60	101.58	End Shut-In(2)
185	1579.01	102.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	GSOCM 20%G 10%O 70%M	0.94
63.00	GOCM 20%G 20%O 60%M	0.92
63.00	GMO 20%G 40%O 40%M	0.92
100.00	GO 30%G 70%O	1.46
0.00	535' GIP	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co
 PO Box 1120
 Hays KS 67601

21-9s-19w Rooks, KS

Casemon Unit #1

Job Ticket: 65980 **DST#: 1**
 Test Start: 2019.08.14 @ 08:03:02

ATTN: Cameron Brin

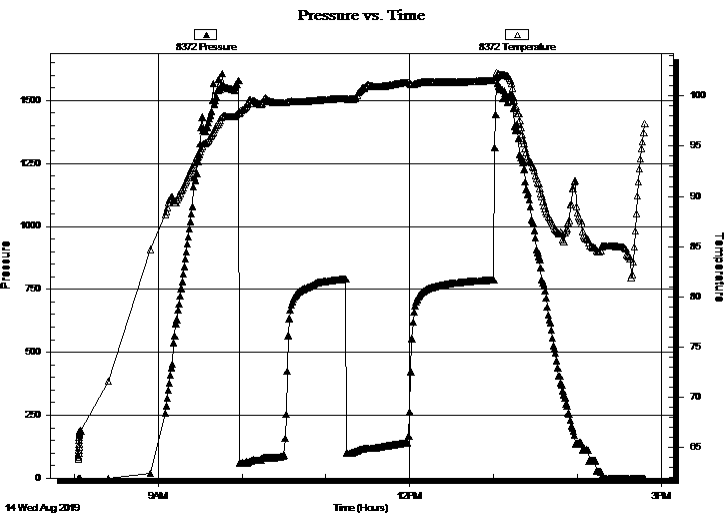
GENERAL INFORMATION:

Formation: **Toronto - LKC A**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:58:19
 Time Test Ended: 14:48:04
 Interval: **3277.00 ft (KB) To 3342.00 ft (KB) (TVD)**
 Total Depth: 3342.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Spencer Staab
 Unit No: 84
 Reference Elevations: 2133.00 ft (KB)
 2127.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8372 Outside

Press@RunDepth: psig @ 3278.00 ft (KB) Capacity: psig
 Start Date: 2019.08.14 End Date: 2019.08.14 Last Calib.: 2019.08.14
 Start Time: 08:03:14 End Time: 14:48:15 Time On Btm:
 Time Off Btm:

TEST COMMENT: IFP - 30 Tool slid 12' - 4 1/2" blow BOB in 12 min built to 22"
 ISI - 45 Weak blow built to 2"
 FFP - 45 BOB in 9 min built to 32"
 FSI - 60 Weak blow built to 9"



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
64.00	GSOCM 20%G 10%O 70%M	0.94
63.00	GOCM 20%G 20%O 60%M	0.92
63.00	GMO 20%G 40%O 40%M	0.92
100.00	GO 30%G 70%O	1.46
0.00	535' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65980 **DST#: 1**
Test Start: 2019.08.14 @ 08:03:02

Tool Information

Drill Pipe:	Length: 3287.00 ft	Diameter: 3.88 inches	Volume: 48.07 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	81000.00 lb
			<u>Total Volume: 48.07 bbl</u>	Tool Chased	12.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3277.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	65.00 ft				
Tool Length:	86.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3257.00	
Shut In Tool	5.00			3262.00	
Hydraulic tool	5.00			3267.00	
Packer	5.00			3272.00	21.00 Bottom Of Top Packer
Packer	5.00			3277.00	
Stubb	1.00			3278.00	
Recorder	0.00	8374	Inside	3278.00	
Recorder	0.00	8372	Outside	3278.00	
Perforations	2.00			3280.00	
Change Over Sub	1.00			3281.00	
Blank Spacing	32.00			3313.00	
Change Over Sub	1.00			3314.00	
Perforations	25.00			3339.00	
Bullnose	3.00			3342.00	65.00 Bottom Packers & Anchor

Total Tool Length: 86.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65980 **DST#: 1**
Test Start: 2019.08.14 @ 08:03:02

Mud and Cushion Information

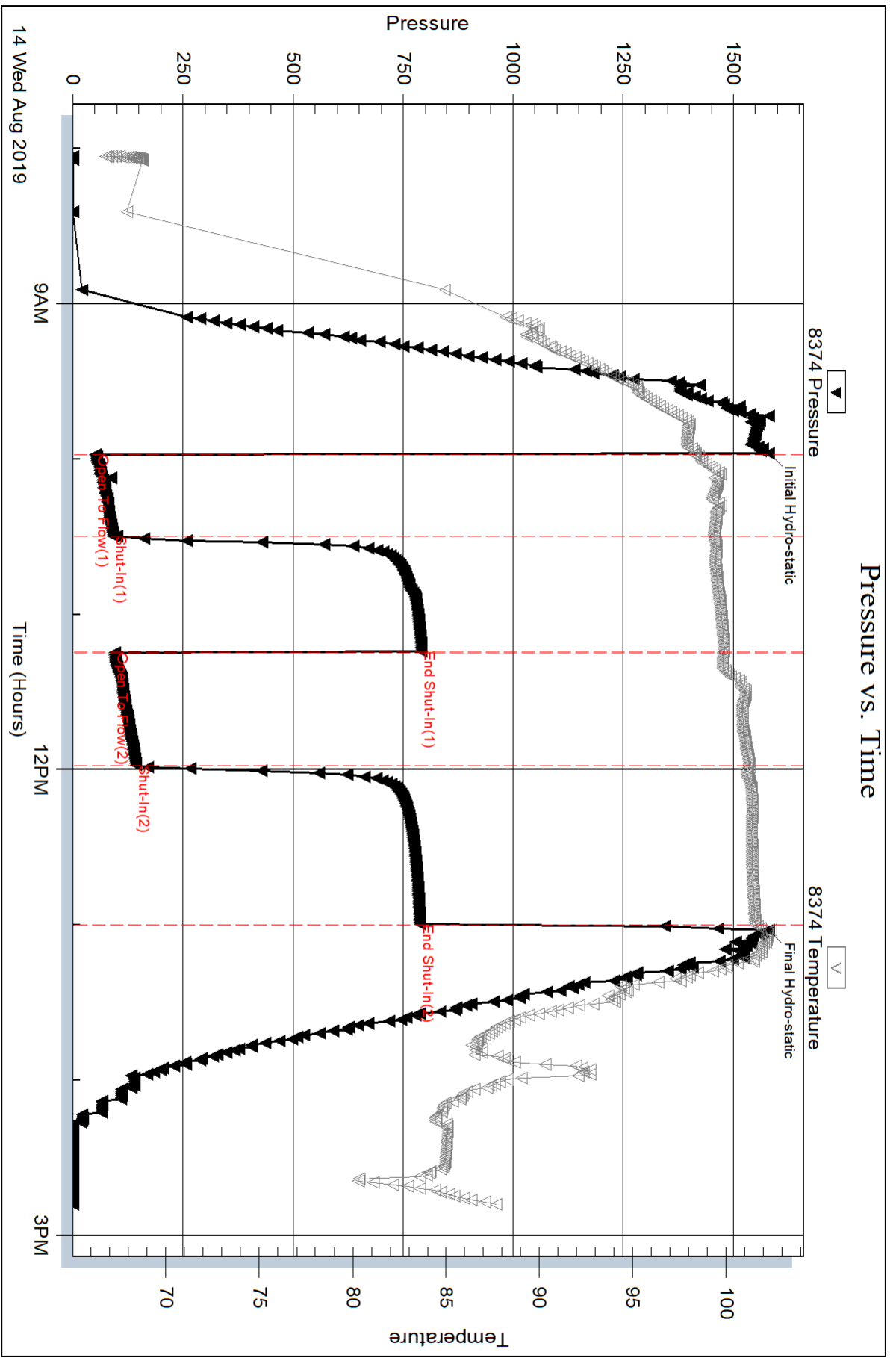
Mud Type: Gel Chem	Cushion Type:	Oil API: 37 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.48 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 4.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
64.00	GSOCM 20%G 10%O 70%M	0.936
63.00	GOCM 20%G 20%O 60%M	0.921
63.00	GMO 20%G 40%O 40%M	0.921
100.00	GO 30%G 70%O	1.462
0.00	535' GIP	0.000

Total Length: 290.00 ft Total Volume: 4.240 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

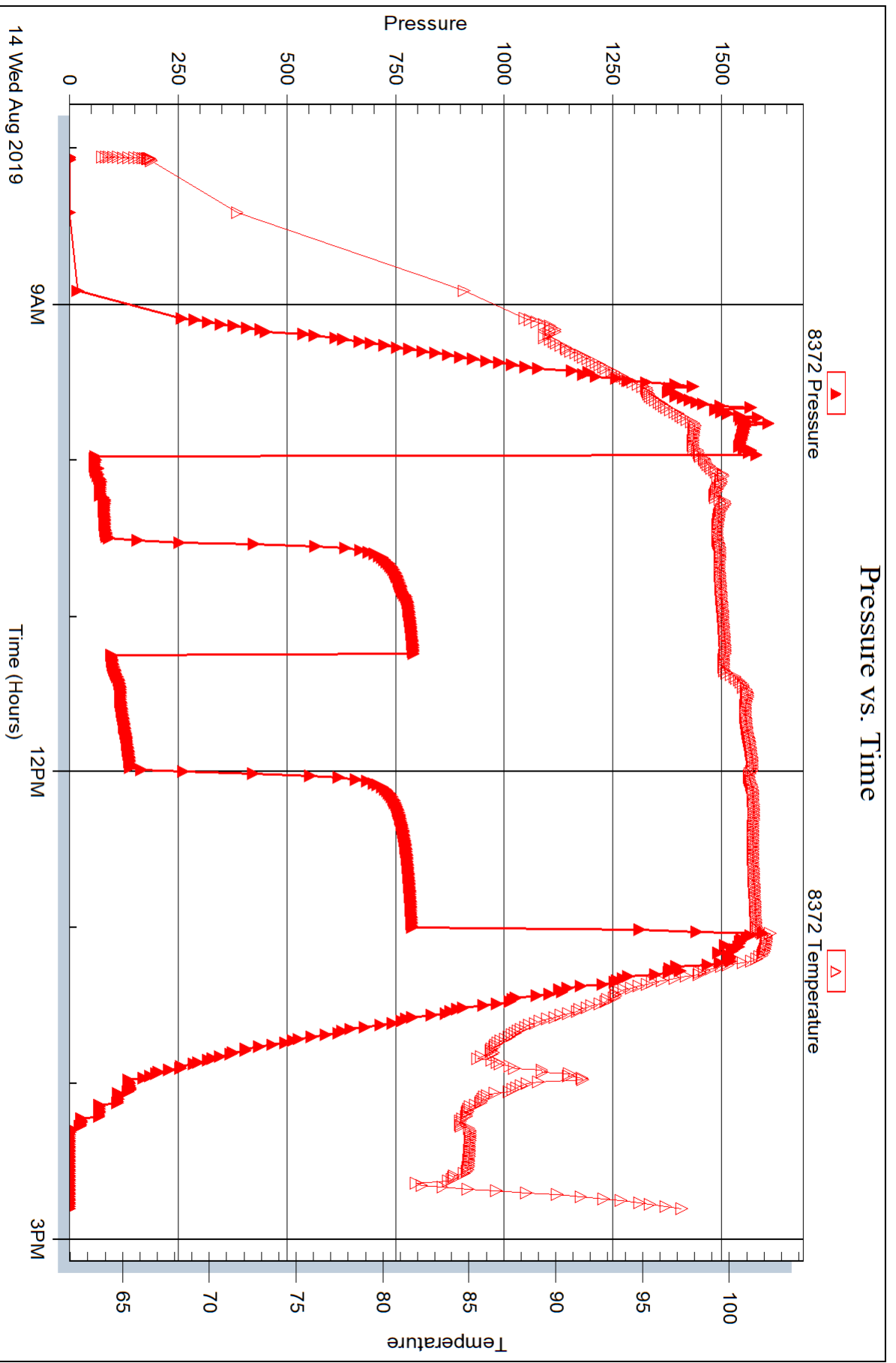


Serial #: 8372

Outside Jasper Co

Casemon Unit #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Jaspar Co**

PO Box 1120
Hays KS 67601

ATTN: Cameron Brin

Casemon Unit #1

21-9s-19w Rooks,KS

Start Date: 2019.08.14 @ 22:43:00

End Date: 2019.08.15 @ 04:44:02

Job Ticket #: 65981 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.19 @ 09:26:10

Jaspar Co
21-9s-19w Rooks,KS
Casemon Unit #1
DST # 2
LKC-C-D
2019.08.14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co
 PO Box 1120
 Hays KS 67601
 ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
 Job Ticket: 65981 **DST#: 2**
 Test Start: 2019.08.14 @ 22:43:00

GENERAL INFORMATION:

Formation: **LKC 'C - D'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:13:47
 Time Test Ended: 04:44:02
 Interval: **3349.00 ft (KB) To 3389.00 ft (KB) (TVD)**
 Total Depth: 3389.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer Staab
 Unit No: 84
 Reference Elevations: 2133.00 ft (KB)
 2127.00 ft (CF)
 KB to GR/CF: 6.00 ft

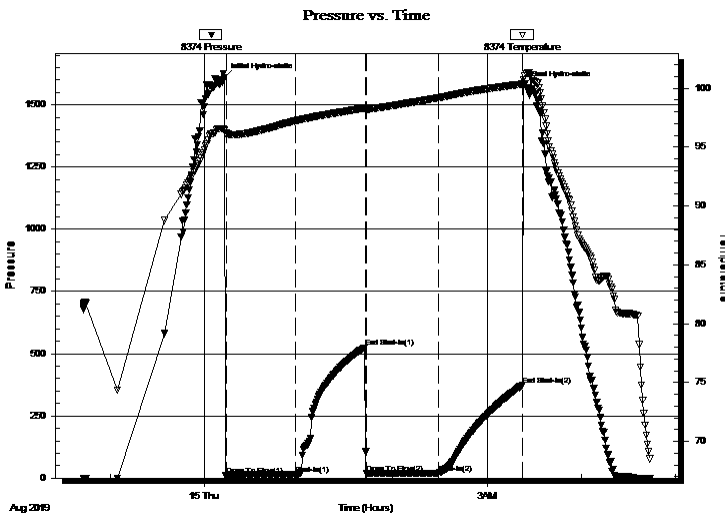
Serial #: 8374

Inside

Press@RunDepth: 19.88 psig @ 3350.00 ft (KB) Capacity: psig
 Start Date: 2019.08.14 End Date: 2019.08.15 Last Calib.: 2019.08.15
 Start Time: 22:43:01 End Time: 04:44:02 Time On Btm: 2019.08.15 @ 00:12:47
 Time Off Btm: 2019.08.15 @ 03:23:17

TEST COMMENT: 45-IF-Weak; Built to 1"
 45-ISI-No Return
 45-FF-No Blow
 45-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1610.46	96.45	Initial Hydro-static
1	11.96	96.15	Open To Flow (1)
46	15.89	97.24	Shut-In(1)
90	524.86	98.29	End Shut-In(1)
91	18.19	98.24	Open To Flow (2)
137	19.88	99.20	Shut-In(2)
190	374.94	100.41	End Shut-In(2)
191	1579.08	100.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OSM 100%M	0.22

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65981 **DST#: 2**
Test Start: 2019.08.14 @ 22:43:00

Tool Information

Drill Pipe:	Length: 3352.00 ft	Diameter: 3.88 inches	Volume: 49.02 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 66000.00 lb
			<u>Total Volume: 49.02 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3349.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	61.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3329.00	
Shut In Tool	5.00			3334.00	
Hydraulic tool	5.00			3339.00	
Packer	5.00			3344.00	21.00 Bottom Of Top Packer
Packer	5.00			3349.00	
Stubb	1.00			3350.00	
Recorder	0.00	8374	Inside	3350.00	
Recorder	0.00	8372	Inside	3350.00	
Perforations	2.00			3352.00	
Change Over Sub	1.00			3353.00	
Drill Pipe	32.00			3385.00	
Change Over Sub	1.00			3386.00	
Bullnose	3.00			3389.00	40.00 Bottom Packers & Anchor

Total Tool Length: 61.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65981 **DST#: 2**
Test Start: 2019.08.14 @ 22:43:00

Mud and Cushion Information

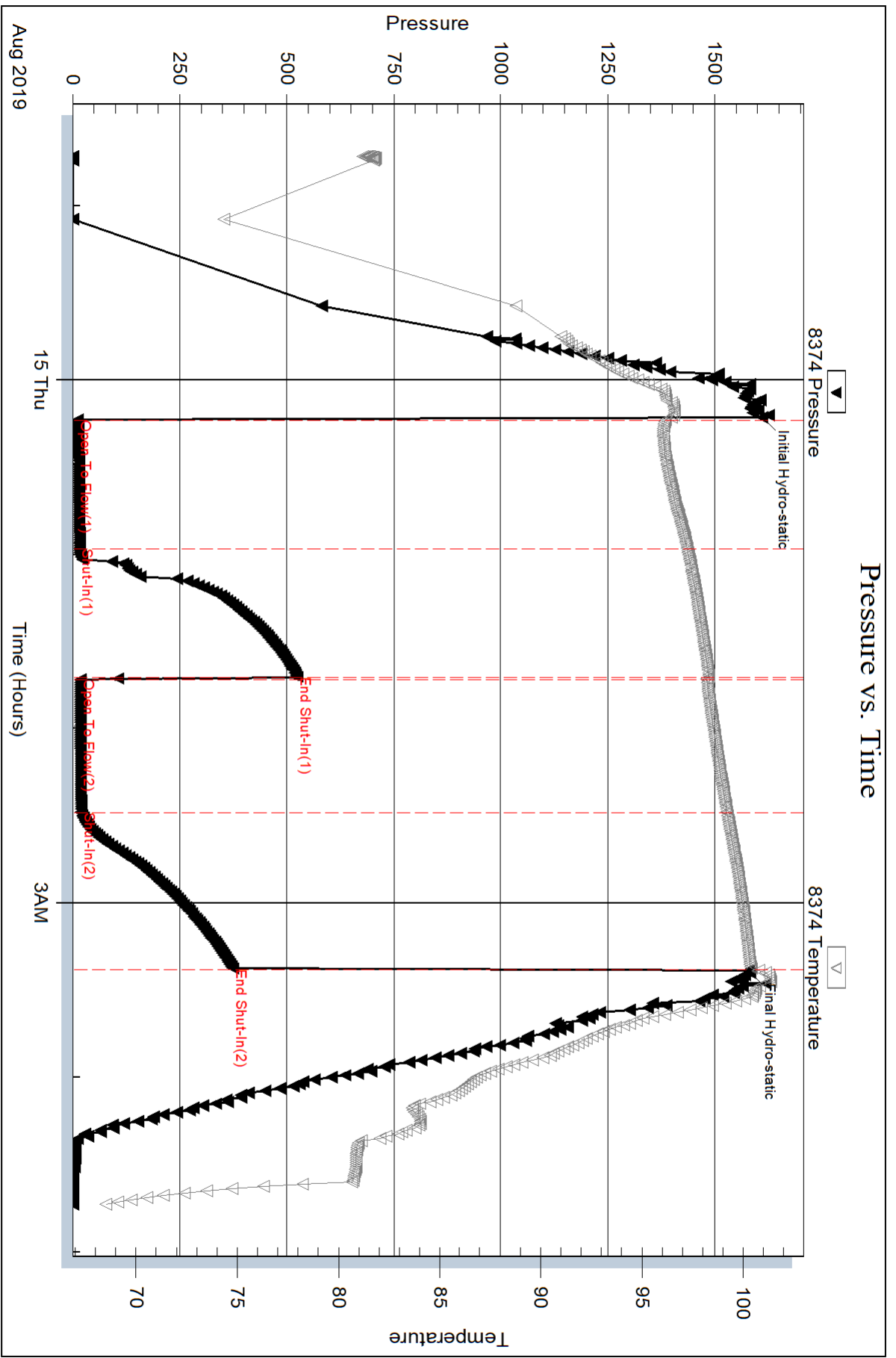
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OSM 100%M	0.219

Total Length: 15.00 ft Total Volume: 0.219 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 3&1/2#LCM

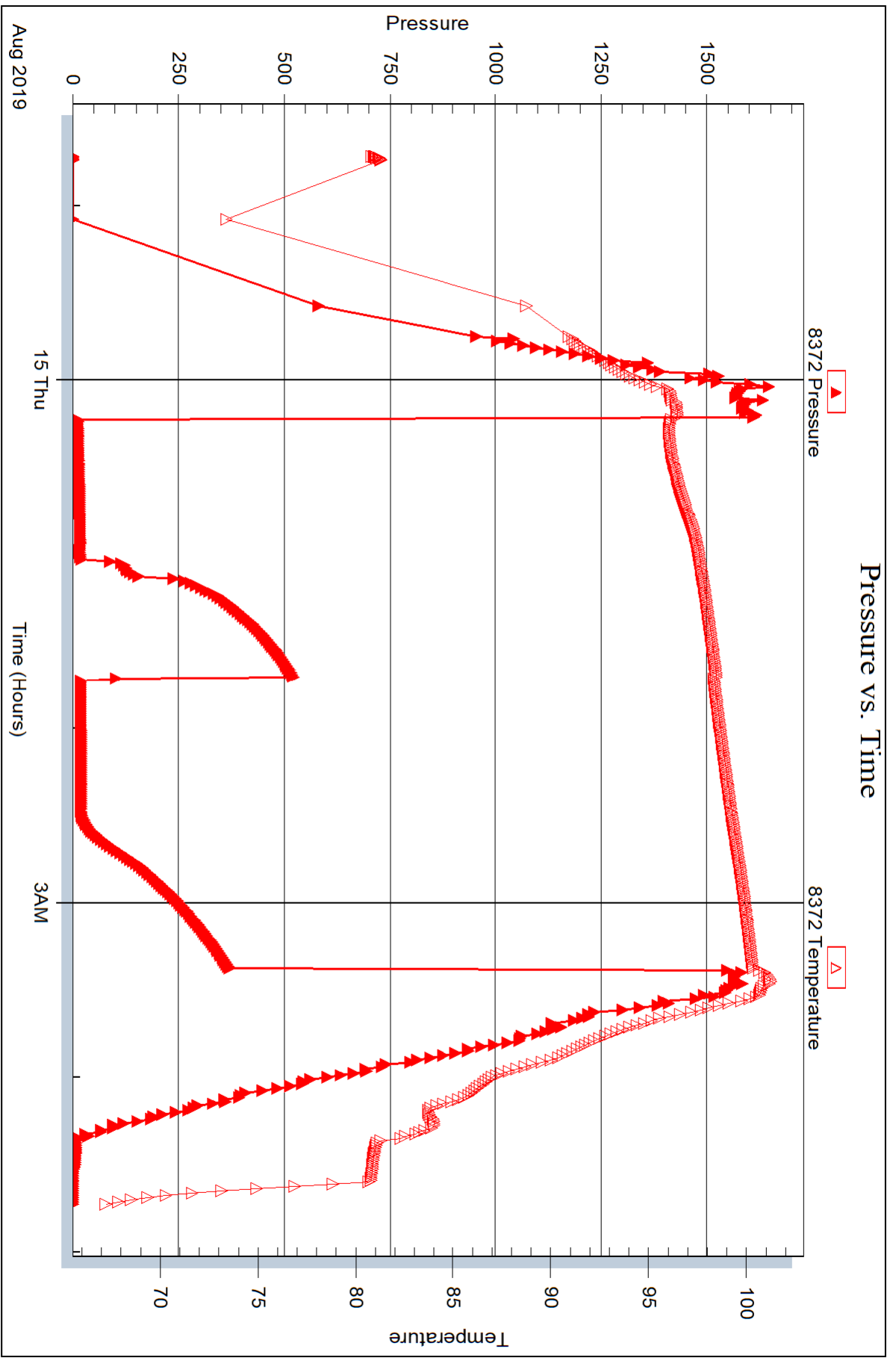


Serial #: 8372

Inside Jasper Co

Casemon Unit #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65981

Printed: 2019.08.19 @ 09:26:11



DRILL STEM TEST REPORT

Prepared For: **Jaspar Co**

PO Box 1120
Hays KS 67601

ATTN: Cameron Brin

Casemon Unit #1

21-9s-19w Rooks,KS

Start Date: 2019.08.16 @ 02:55:00

End Date: 2019.08.16 @ 09:02:02

Job Ticket #: 65982 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.19 @ 09:25:44

Jaspar Co 21-9s-19w Rooks,KS Casemon Unit #1 DST # 3 LKC 'J - L' 2019.08.16



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co
 PO Box 1120
 Hays KS 67601
 ATTN: Cameron Brin

21-9s-19w Rooks, KS
Casemon Unit #1
 Job Ticket: 65982 **DST#: 3**
 Test Start: 2019.08.16 @ 02:55:00

GENERAL INFORMATION:

Formation: **LKC 'J - L'**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:17:32
 Time Test Ended: 09:02:02
 Interval: **3489.00 ft (KB) To 3538.00 ft (KB) (TVD)**
 Total Depth: 3538.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer Staab
 Unit No: 84
 Reference Elevations: 2133.00 ft (KB)
 2127.00 ft (CF)
 KB to GR/CF: 6.00 ft

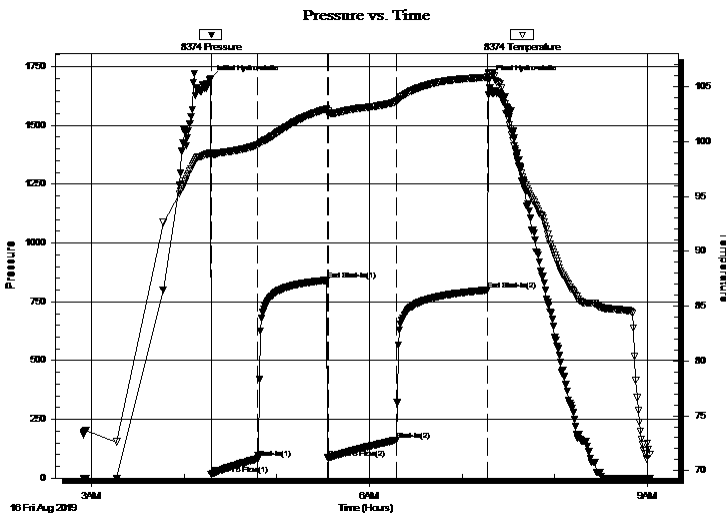
Serial #: 8374

Inside

Press@RunDepth: 162.31 psig @ 3490.00 ft (KB) Capacity: psig
 Start Date: 2019.08.16 End Date: 2019.08.16 Last Calib.: 2019.08.16
 Start Time: 02:55:01 End Time: 09:02:02 Time On Btm: 2019.08.16 @ 04:17:17
 Time Off Btm: 2019.08.16 @ 07:17:32

TEST COMMENT: 30-IF-BOB 18 min; Built to 12"
 45-ISI-Weak Surface
 45-FF-BOB 24 min; Built to 13"
 60-FSI-No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1697.07	98.97	Initial Hydro-static
1	15.29	98.71	Open To Flow (1)
31	82.29	99.71	Shut-In(1)
76	841.15	102.94	End Shut-In(1)
76	84.99	102.76	Open To Flow (2)
121	162.31	103.64	Shut-In(2)
180	800.11	105.87	End Shut-In(2)
181	1693.81	106.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	MW 40%M 60%W	2.92
125.00	WCM 15%W 85%M	1.83

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65982 **DST#: 3**
Test Start: 2019.08.16 @ 02:55:00

Tool Information

Drill Pipe:	Length: 3477.00 ft	Diameter: 3.88 inches	Volume: 50.85 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 50.85 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	3489.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	49.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3469.00	
Shut In Tool	5.00			3474.00	
Hydraulic tool	5.00			3479.00	
Packer	5.00			3484.00	21.00 Bottom Of Top Packer
Packer	5.00			3489.00	
Stubb	1.00			3490.00	
Recorder	0.00	8374	Inside	3490.00	
Recorder	0.00	8372	Outside	3490.00	
Perforations	2.00			3492.00	
Change Over Sub	1.00			3493.00	
Blank Spacing	32.00			3525.00	
Change Over Sub	1.00			3526.00	
Perforations	9.00			3535.00	
Bullnose	3.00			3538.00	49.00 Bottom Packers & Anchor

Total Tool Length: 70.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65982 **DST#: 3**
Test Start: 2019.08.16 @ 02:55:00

Mud and Cushion Information

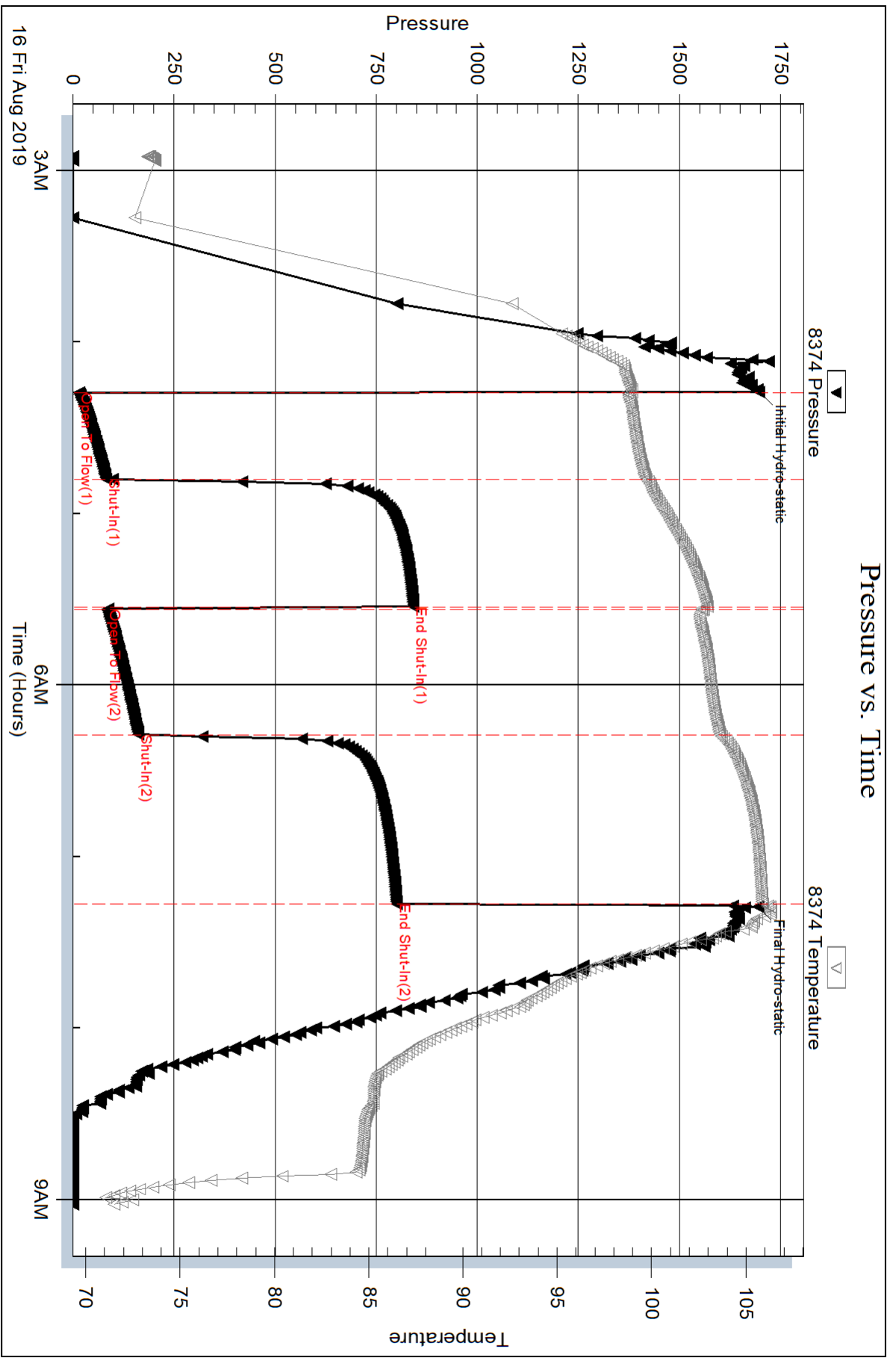
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	33000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	MW 40%M 60%W	2.925
125.00	WCM 15%W 85%M	1.828

Total Length: 325.00 ft Total Volume: 4.753 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 2&1/2#
 RW=.213@70F

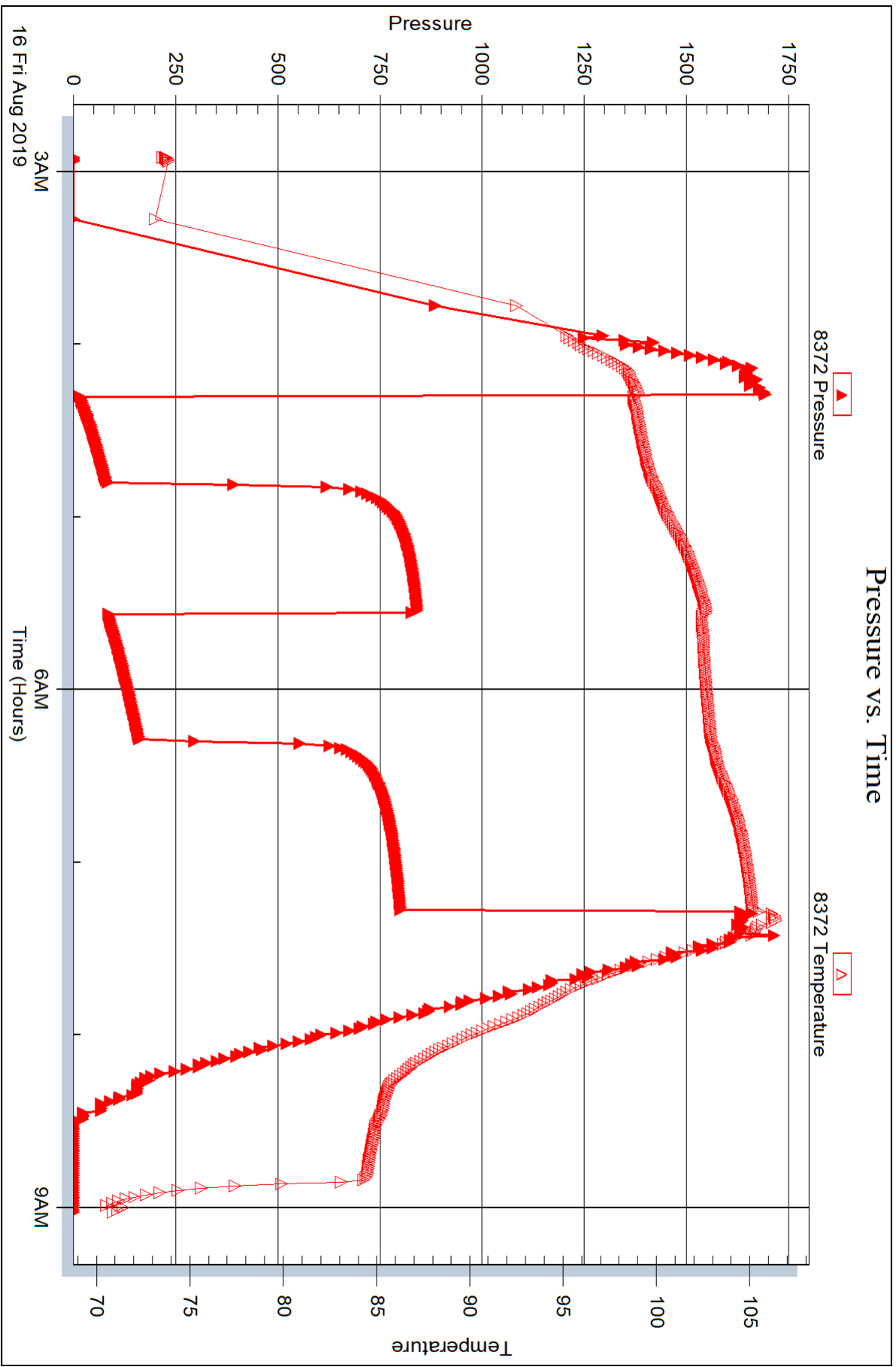


Serial #: 8372

Outside Jasper Co

Casemon Unit #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Jaspar Co**

PO Box 1120
Hays KS 67601

ATTN: Cameron Brin

Casemon Unit #1

21-9s-19w Rooks,KS

Start Date: 2019.08.16 @ 18:48:00

End Date: 2019.08.16 @ 23:49:02

Job Ticket #: 65983 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.19 @ 09:25:18



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks, KS
Casemon Unit #1
Job Ticket: 65983 **DST#: 4**
Test Start: 2019.08.16 @ 18:48:00

GENERAL INFORMATION:

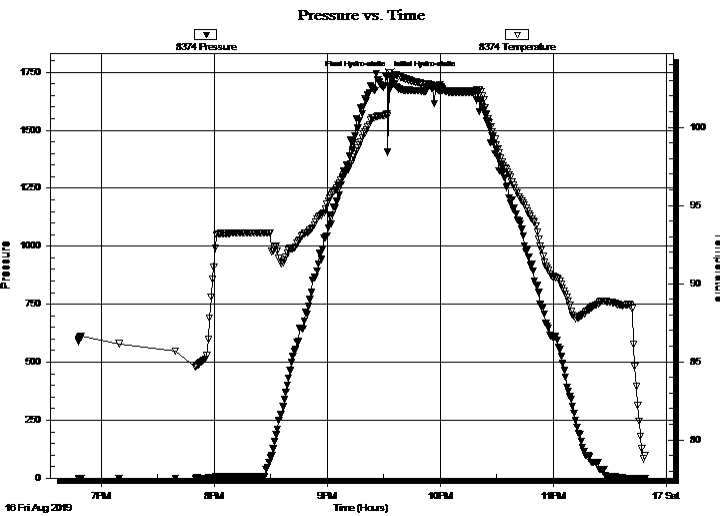
Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 23:49:02
Interval: **3536.00 ft (KB) To 3584.00 ft (KB) (TVD)**
Total Depth: 3584.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer Staab
Unit No: 84
Reference Elevations: 2133.00 ft (KB)
2127.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8374

Inside

Press@RunDepth: psig @ 3539.00 ft (KB) Capacity: psig
Start Date: 2019.08.16 End Date: 2019.08.16 Last Calib.: 2019.08.16
Start Time: 18:48:01 End Time: 23:49:02 Time On Btm: 2019.08.16 @ 21:31:47
Time Off Btm: 2019.08.16 @ 21:34:32

TEST COMMENT: Packer Failure



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1734.19	100.86	Initial Hydro-static
3	1733.46	102.99	Final Hydro-static

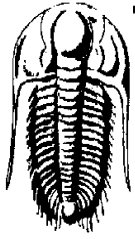
Recovery

Length (ft)	Description	Volume (bbl)
220.00	Mud	3.22

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65983 **DST#: 4**
Test Start: 2019.08.16 @ 18:48:00

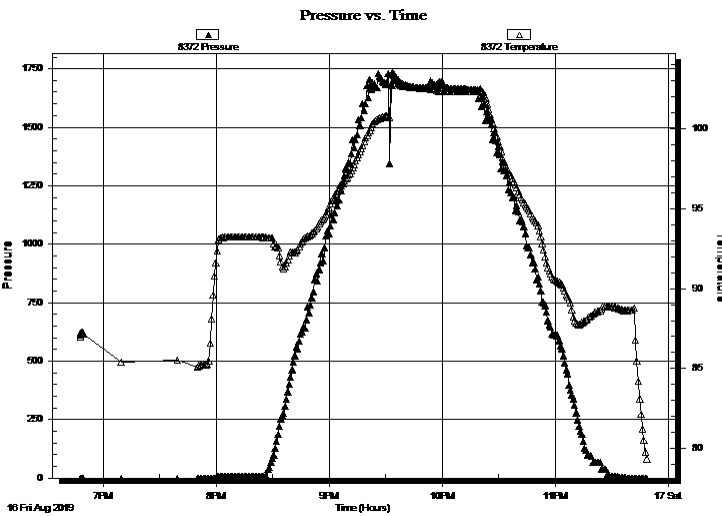
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 23:49:02
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer Staab
Unit No: 84
Interval: **3536.00 ft (KB) To 3584.00 ft (KB) (TVD)**
Reference Elevations: 2133.00 ft (KB)
Total Depth: 3584.00 ft (KB) (TVD)
2127.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 6.00 ft

Serial #: 8372 Inside

Press@RunDepth: psig @ 3539.00 ft (KB) Capacity: psig
Start Date: 2019.08.16 End Date: 2019.08.16 Last Calib.: 2019.08.16
Start Time: 18:48:01 End Time: 23:49:02 Time On Btm:
Time Off Btm:

TEST COMMENT: Packer Failure



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
220.00	Mud	3.22

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65983 **DST#: 4**
Test Start: 2019.08.16 @ 18:48:00

Tool Information

Drill Pipe:	Length: 3540.00 ft	Diameter: 3.88 inches	Volume: 51.77 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	62000.00 lb
			<u>Total Volume: 51.77 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	3536.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	69.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3516.00	
Shut In Tool	5.00			3521.00	
Hydraulic tool	5.00			3526.00	
Packer	5.00			3531.00	21.00 Bottom Of Top Packer
Packer	5.00			3536.00	
Stubb	1.00			3537.00	
Perforations	1.00			3538.00	
Change Over Sub	1.00			3539.00	
Recorder	0.00	8374	Inside	3539.00	
Recorder	0.00	8372	Inside	3539.00	
Blank Spacing	32.00			3571.00	
Change Over Sub	1.00			3572.00	
Perforations	9.00			3581.00	
Bullnose	3.00			3584.00	48.00 Bottom Packers & Anchor

Total Tool Length: 69.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65983 **DST#: 4**
Test Start: 2019.08.16 @ 18:48:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
220.00	Mud	3.217

Total Length: 220.00 ft Total Volume: 3.217 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 3#LCM

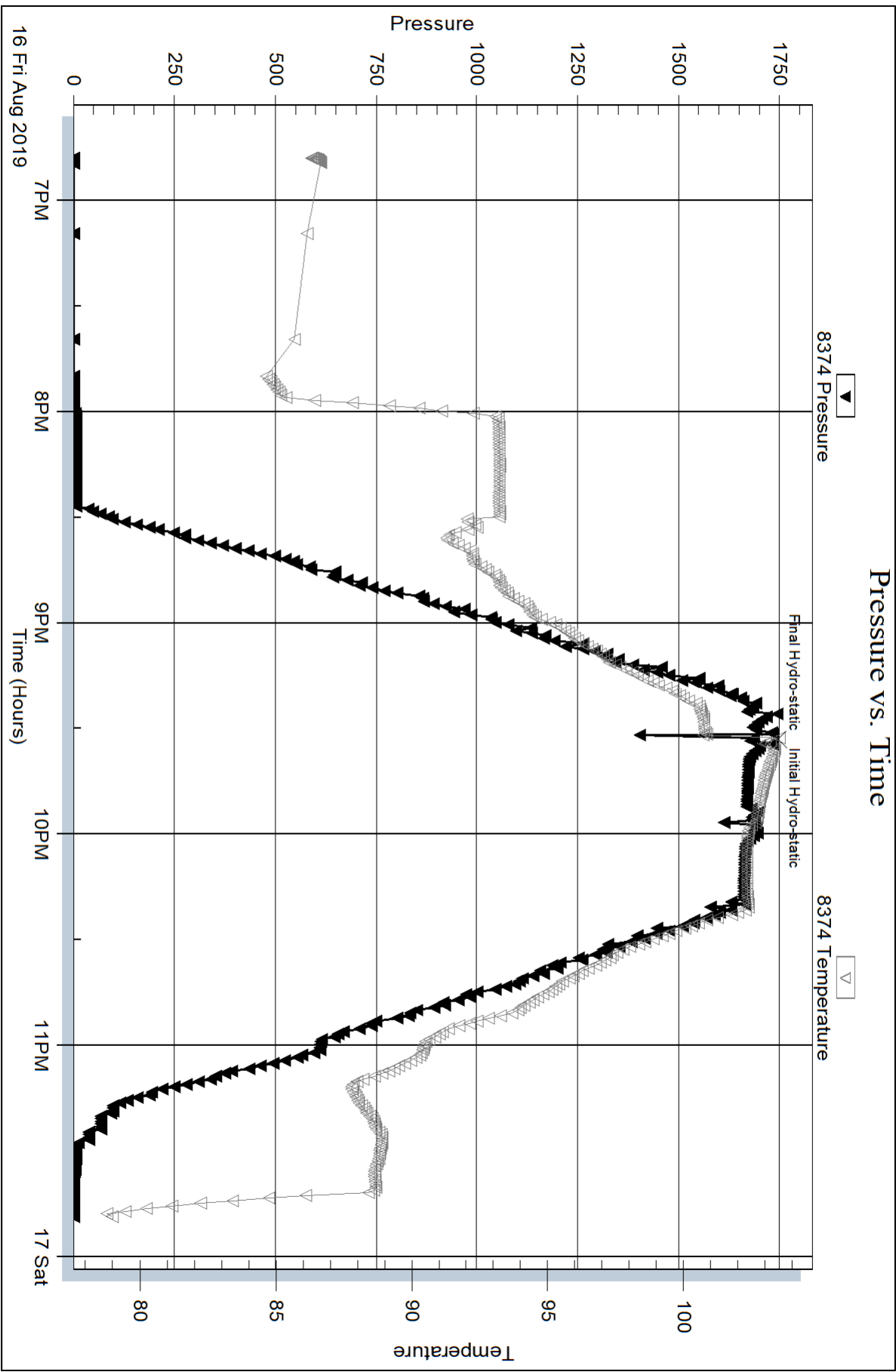
Serial #: 8374

Inside

Jaspar Co

Casemon Unit #1

DST Test Number: 4

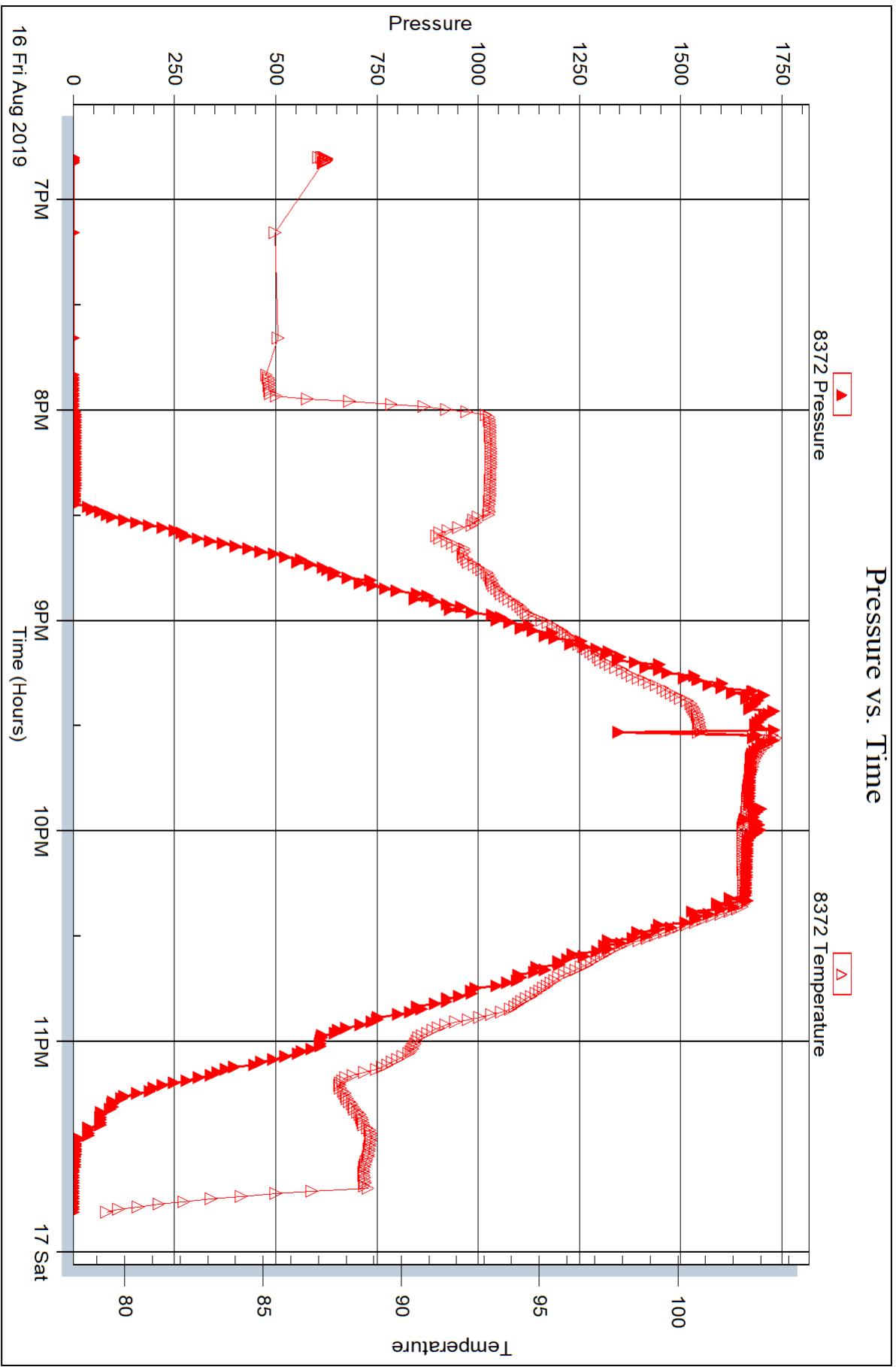


Serial #: 8372

Inside Jasper Co

Casemon Unit #1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Jaspar Co**

PO Box 1120
Hays KS 67601

ATTN: Cameron Brin

Casemon Unit #1

21-9s-19w Rooks,KS

Start Date: 2019.08.17 @ 07:16:00

End Date: 2019.08.17 @ 12:49:02

Job Ticket #: 65984 DST #: 5

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2019.08.19 @ 09:24:51



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

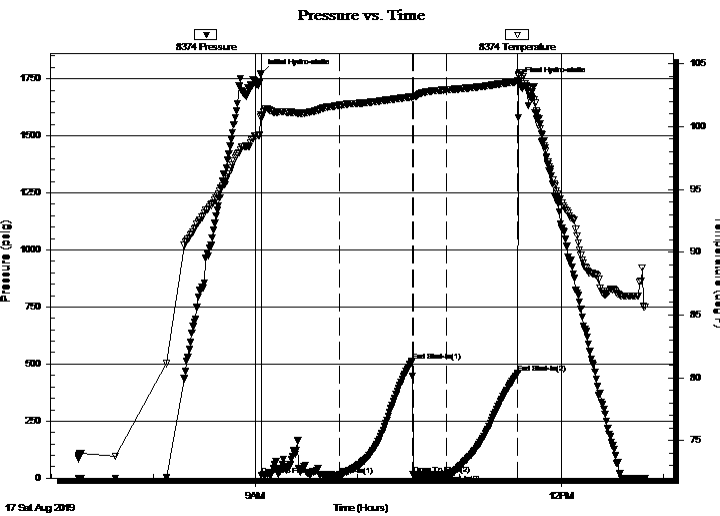
21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65984 **DST#: 5**
Test Start: 2019.08.17 @ 07:16:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:03:32
Time Test Ended: 12:49:02
Interval: **3597.00 ft (KB) To 3608.00 ft (KB) (TVD)**
Total Depth: 3608.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Spencer Staab
Unit No: 84
Reference Elevations: 2133.00 ft (KB)
2127.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 8374 Inside
Press@RunDepth: 15.26 psig @ 3598.00 ft (KB) Capacity: psig
Start Date: 2019.08.17 End Date: 2019.08.17 Last Calib.: 2019.08.17
Start Time: 07:16:01 End Time: 12:49:02 Time On Btm: 2019.08.17 @ 09:03:17
Time Off Btm: 2019.08.17 @ 11:34:47

TEST COMMENT: 45-IF-Weak; Built to 1/4"; Died back to Surface
45-ISI-No Return
15-FF-No Blow
45-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1773.59	100.94	Initial Hydro-static
1	13.16	100.64	Open To Flow (1)
47	14.01	101.69	Shut-In(1)
89	511.94	102.36	End Shut-In(1)
90	15.19	102.37	Open To Flow (2)
109	15.26	102.95	Shut-In(2)
151	459.77	103.62	End Shut-In(2)
152	1739.21	104.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%M	0.15

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Jaspar Co
 PO Box 1120
 Hays KS 67601
 ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
 Job Ticket: 65984 **DST#: 5**
 Test Start: 2019.08.17 @ 07:16:00

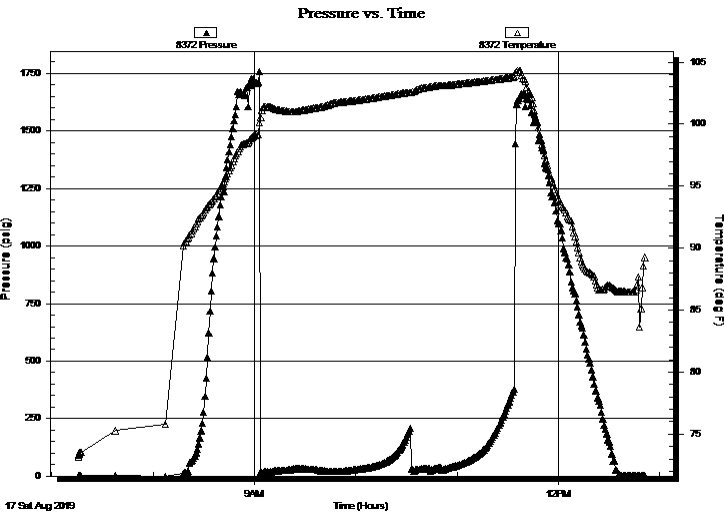
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:03:32
 Time Test Ended: 12:49:02
 Interval: **3597.00 ft (KB) To 3608.00 ft (KB) (TVD)**
 Total Depth: 3608.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Spencer Staab
 Unit No: 84
 Reference Elevations: 2133.00 ft (KB)
 2127.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 8372 Outside

Press@RunDepth: psig @ 3598.00 ft (KB) Capacity: psig
 Start Date: 2019.08.17 End Date: 2019.08.17 Last Calib.: 2019.08.17
 Start Time: 07:16:01 End Time: 12:51:02 Time On Btm:
 Time Off Btm:

TEST COMMENT: 45-IF-Weak; Built to 1/4"; Died back to Surface
 45-ISI-No Return
 15-FF-No Blow
 45-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%M	0.15

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65984 **DST#: 5**
Test Start: 2019.08.17 @ 07:16:00

Tool Information

Drill Pipe:	Length: 3601.00 ft	Diameter: 3.88 inches	Volume: 52.66 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	72000.00 lb
			<u>Total Volume: 52.66 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3597.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	11.00 ft				
Tool Length:	32.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3577.00	
Shut In Tool	5.00			3582.00	
Hydraulic tool	5.00			3587.00	
Packer	5.00			3592.00	21.00 Bottom Of Top Packer
Packer	5.00			3597.00	
Stubb	1.00			3598.00	
Recorder	0.00	8374	Inside	3598.00	
Recorder	0.00	8372	Outside	3598.00	
Perforations	7.00			3605.00	
Bullnose	3.00			3608.00	11.00 Bottom Packers & Anchor
Total Tool Length:	32.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Jaspar Co
PO Box 1120
Hays KS 67601
ATTN: Cameron Brin

21-9s-19w Rooks,KS
Casemon Unit #1
Job Ticket: 65984 **DST#: 5**
Test Start: 2019.08.17 @ 07:16:00

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: inches			

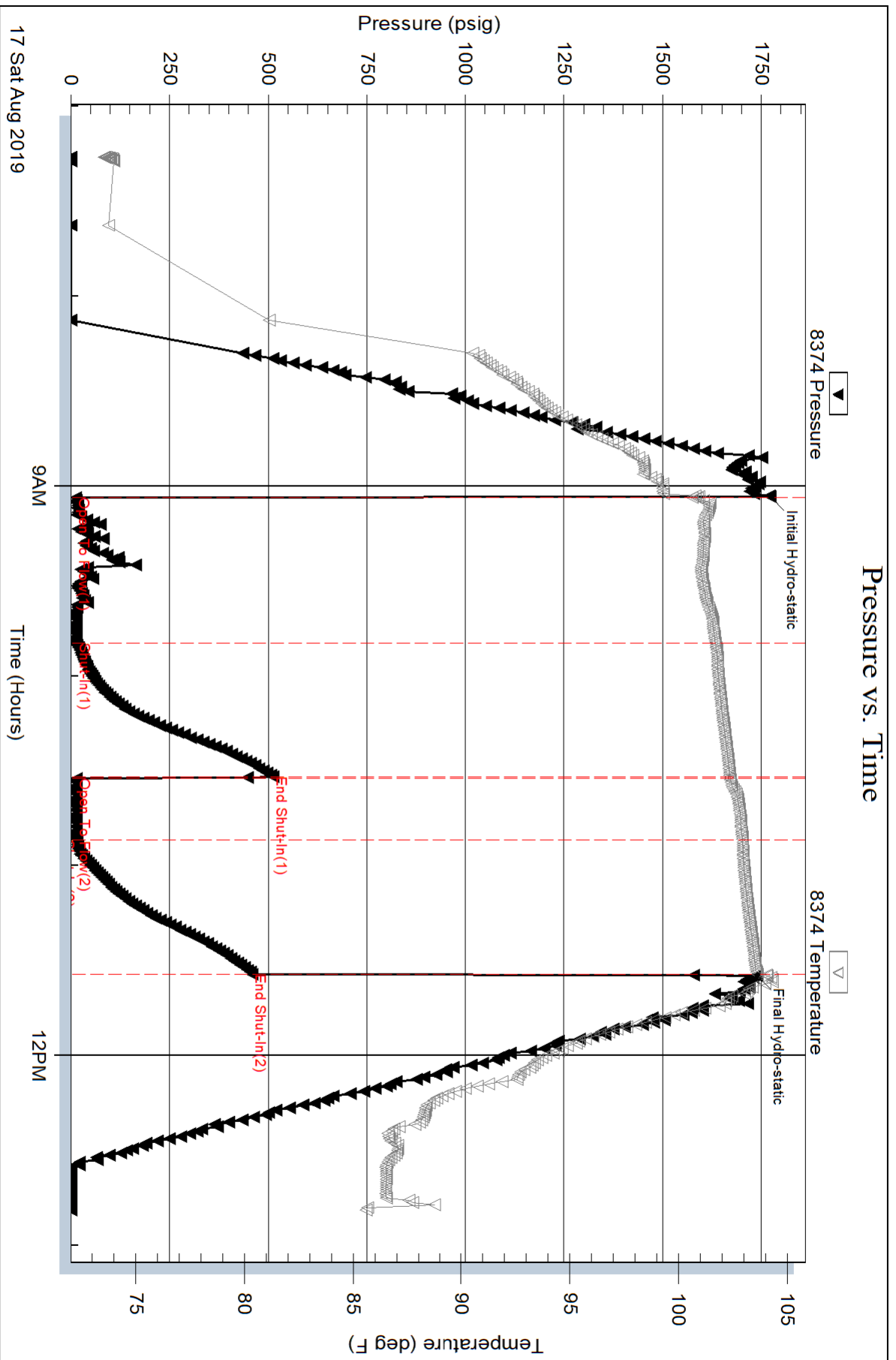
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100%M	0.146

Total Length: 10.00 ft Total Volume: 0.146 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: 3#LCM

Pressure vs. Time

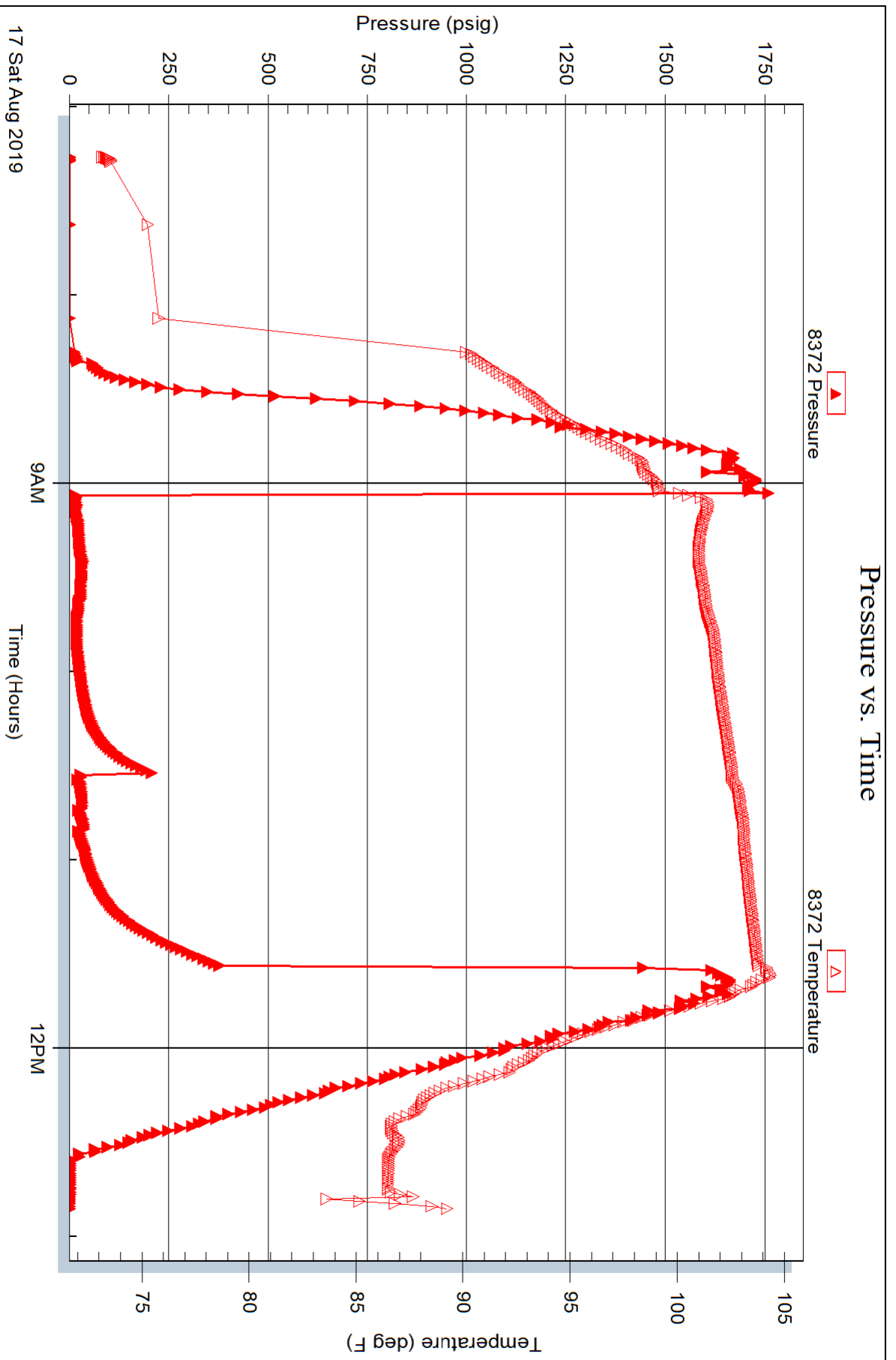


Serial #: 8372

Outside Jasper Co

Casemon Unit #1

DST Test Number: 5





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65980

NO.

Well Name & No. Cameron Unit #1 Test No. 1 Date 08/14/2019
 Company Jasper Co. Elevation 2133 KB 2127 GL
 Address PO BOX 1120 Hays KS 67601 +1120
 Co. Rep / Geo. Cameron Brim Rig Flex #1
 Location: Sec. 21 Twp 9S Rge. 19W Co. Rooks State KS

Interval Tested 3277'-3342' Zone Tested Top - LRC 'A'
 Anchor Length 65' Drill Pipe Run 3287' Mud Wt. 8.6
 Top Packer Depth 3272' Drill Collars Run — Vis 6.5
 Bottom Packer Depth 3277' Wt. Pipe Run — WL 7.6
 Total Depth 3342 Chlorides 4000 ppm System LCM 4#

Blow Description 77- BOB 12 mins; Tool slid 12ft; started @ 4 1/2"; Built to 2"
77- BOB 9 mins; Built to 32"
78- Fair; Built to 9"

Rec	Feet of	%gas	%oil	%water	%mud
64	GSOCM	20	10	70	
63	GOCM	20	20	60	
63	GMO	20	40	40	
100	GO	30	70		
	535' GIP	100			

Rec Total 290' BHT 101' Gravity 37° API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1578 Test 1200 T-On Location 06:48
 (B) First Initial Flow 51 Jars _____ T-Started 08:03
 (C) First Final Flow 91 Safety Joint _____ T-Open 09:55
 (D) Initial Shut-In 789 Circ Sub _____ T-Pulled 12:55
 (E) Second Initial Flow 94 Hourly Standby _____ T-Out 14:46
 (F) Second Final Flow 143 Mileage 7627 76 Comments _____
 (G) Final Shut-In 787 Sampler _____
 (H) Final Hydrostatic 1579 Straddle _____ EM Tool _____

Initial Open 30 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 45 Extra Packer _____ Ruined Packer _____
 Final Flow 45 Extra Recorder _____ Extra Copies _____
 Final Shut-In 60 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1276
 Sub Total 1276 MP/DST Disc't _____

Approved By _____ Our Representative Spencer J. Staal Thanks!
 TriLOBITE TESTING INC. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the note shall be paid for at cost by the party for whom the test is made.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65981

NO.

Well Name & No. Cameron Unit #1 Test No. 2 Date 08/14/2019
 Company Jasper Co Elevation 2133 KB 2127 GL
 Address PO BOX 1120 Hays, KS 67601 + 1120
 Co. Rep / Geo. Cameron Brin Rig Floor #1
 Location: Sec. 21 Twp 9s Rge. 19w Co. Rooks State KS

Interval Tested 3349' - 3389' Zone Tested LKC 'C + D'
 Anchor Length 40' Drill Pipe Run _____ Mud Wt. 8.8
 Top Packer Depth 3344' Drill Collars Run — Vis 50
 Bottom Packer Depth 3349' Wt. Pipe Run — WL 7.6
 Total Depth 3389' Chlorides 2500 ppm System LCM 3 1/2 #

Blow Description 77- Weak; Built to 1"
75D - No Return
77 - No Blow
75D - No Return

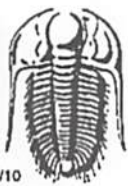
Rec	Feet of	%gas	%oil	%water	%mud
<u>15'</u>	<u>OSM</u>			<u>100</u>	
_____	_____				
_____	_____				
_____	_____				

Rec Total 15' BHT 100° Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1610 Test 1200 T-On Location 22:28
 (B) First Initial Flow 11 Jars _____ T-Started 22:43
 (C) First Final Flow 15 Safety Joint _____ T-Open 00:10 08/15/2019
 (D) Initial Shut-In 524 Circ Sub _____ T-Pulled 03:10
 (E) Second Initial Flow 18 Hourly Standby _____ T-Out 04:42
 (F) Second Final Flow 19 Mileage 7627 76 Comments _____
 (G) Final Shut-In 374 Sampler _____
 (H) Final Hydrostatic 1579 Straddle _____ EM Tool _____

Initial Open 45 Shale Packer _____ Ruined Shale Packer _____
 Initial Shut-In 45 Extra Packer _____ Ruined Packer _____
 Final Flow 45 Extra Recorder _____ Extra Copies _____
 Final Shut-In 45 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1276
 Sub Total 1276 MP/DST Disc't _____

Approved By _____ Our Representative Spencer J. Staal Thanks!
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.
785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65982

NO.

Well Name & No. Casemon Unit #1 Test No. 3 Date 08/15/2019
 Company Jasper Co Elevation 2133 KB 2127 GL
 Address PO BOX 1120 Hays KS 67601 + 1120
 Co. Rep / Geo. Cameron Brim Rig Flev #1
 Location: Sec. 21 Twp 9S Rge. 19W Co. Hooks State KS

Interval Tested 3489'-3538' Zone Tested LKC 'J-L'
 Anchor Length 49' Drill Pipe Run 3477' Mud Wt. 8.8
 Top Packer Depth 3484' Drill Collars Run - Vis 50
 Bottom Packer Depth 3489' Wt. Pipe Run - WL 8.0
 Total Depth 3538' Chlorides 4500 ppm System LCM 2 1/2#

Blow Description 7- BOB 18 min; Built to 12"
DSJ - Weak Surface
77- BOB 24 min; Built to 13"
78- No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>900'</u>	<u>WCM MN</u>		<u>65</u>	<u>30</u>	
<u>885'</u>	<u>WCM</u>		<u>65</u>	<u>35</u>	

Rec Total 325 BHT 105° Gravity - API RW 213 @ 70 ° F Chlorides 33,000 ppm

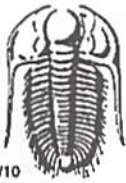
(A) Initial Hydrostatic 1697 Test 1200 T-On Location 23:50
 (B) First Initial Flow 15 Jars - T-Started 02:55 08/16
 (C) First Final Flow 82 Safety Joint - T-Open 04:07
 (D) Initial Shut-In 841 Circ Sub - T-Pulled 07:07
 (E) Second Initial Flow 84 Hourly Standby - T-Out 08:52
 (F) Second Final Flow 162 Mileage 7627 76
 (G) Final Shut-In 800 Sampler -
 (H) Final Hydrostatic 1693 Straddle - EM Tool -
 Shale Packer - Ruined Shale Packer -
 Extra Packer - Ruined Packer -
 Extra Recorder - Extra Copies -
 Day Standby - Sub Total 0
 Accessibility - Total 1276

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60
 Sub Total 1276 MP/DST Disc't -

Approved By _____ Our Representative Spencer J. Stuck Trunks

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65983

NO.

Well Name & No. Cameron Unit #1 Test No. 4 Date 08/16/2019
 Company Jasper Co Elevation 2133 KB 2127 GL
 Address PO BOX 1120 Hays Ks 67601 +1120
 Co. Rep / Geo. Cameron Brin Rig Flex #1
 Location: Sec. 21 Twp 9S Rge. 19W Co. Hooks State Ks

Interval Tested 3536' - 3584' Zone Tested Arbuckle
 Anchor Length 48' Drill Pipe Run 3540' Mud Wt. 8.9
 Top Packer Depth 3531' Drill Collars Run - Vis 47
 Bottom Packer Depth 3536' Wt. Pipe Run - WL 8.0
 Total Depth 3584' Chlorides 5500 ppm System LCM 3#

Blow Description 7- Packer Failure
7.5
7.7
7.5

Rec	Feet of	%gas	%oil	%water	%mud
<u>220</u>	<u>Mud</u>				

Rec Total 220 BHT Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1734 Test 950 T-On Location 18:31
 (B) First Initial Flow - Jars T-Started 18:48
 (C) First Final Flow - Safety Joint T-Open 21:30
 (D) Initial Shut-In - Circ Sub T-Pulled -
 (E) Second Initial Flow - Hourly Standby T-Out 23:47
 (F) Second Final Flow - Mileage 7627 76 Comments -
 (G) Final Shut-In - Sampler -
 (H) Final Hydrostatic 1733 Straddle - EM Tool -
 Initial Open - Shale Packer - Ruined Shale Packer -
 Initial Shut-In - Extra Packer - Ruined Packer -
 Final Flow - Extra Recorder - Extra Copies -
 Final Shut-In - Day Standby - Sub Total 0
 Sub Total 1026 Accessibility - Total 1026
 MP/DST Disc't -

Approved By _____ Our Representative Spencer J. Steele Thanks!
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

785-259-0056



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket 65984

NO.

Well Name & No. Cameron Unit #1 Test No. 5 Date 08/17/2019
 Company Jasper Co Elevation 2133 KB 2127 GL
 Address PO BOX 1120 Hays Ks 67601 + 1120
 Co. Rep / Geo. Cameron Brim Rig Flex #1
 Location: Sec. 21 Twp 9S Rge. 19W Co. Rooks State Ks

Interval Tested 3597' - 3608' Zone Tested Arbuckle
 Anchor Length 11' Drill Pipe Run 3601' Mud Wt. 8.9
 Top Packer Depth 3592' Drill Collars Run — Vis 47
 Bottom Packer Depth 3597' Wt. Pipe Run — WL 8.0
 Total Depth 3608' Chlorides 5500 ppm System LCM 3#

Blow Description 77-Weak; Built to 4"; died back to surface
DSD - No Return
77 - No Blow
7SD - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>10'</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10' BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1773</u>	<input checked="" type="checkbox"/> Test <u>1200</u>	T-On Location <u>07:01</u>
(B) First Initial Flow <u>13</u>	<input type="checkbox"/> Jars _____	T-Started <u>07:16</u>
(C) First Final Flow <u>14</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>09:00</u>
(D) Initial Shut-In <u>511</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>11:30</u>
(E) Second Initial Flow <u>15</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>12:48</u>
(F) Second Final Flow <u>15</u>	<input checked="" type="checkbox"/> Mileage <u>76.87x2</u> <u>152</u>	Comments <u>loaded @</u>
(G) Final Shut-In <u>459</u>	<input type="checkbox"/> Sampler _____	<u>23:00 08/17/2019</u>
(H) Final Hydrostatic <u>1735</u>	<input type="checkbox"/> Straddle _____	

Initial Open <u>45</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> EM Tool _____
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Final Flow <u>15</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Ruined Packer _____
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1602</u>
	Sub Total <u>1602</u>	MP/DST Disc't _____

Approved By _____ Our Representative Spencer J. Stahl Thanks!

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