



DRILL STEM TEST REPORT

Prepared For: **Bickle Energies LLC**

PO Box 816
Hays KS 67601

ATTN: Keith Reavis

Fisher #34-2

34-5s-37w Cheyenne KS

Start Date: 2018.10.07 @ 11:38:00

End Date: 2018.10.07 @ 19:04:00

Job Ticket #: 64174 DST #: 1

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

Printed: 2018.10.11 @ 14:35:12



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Bickle Energies LLC

34-5s-37w Cheyenne KS

PO Box 816
Hays KS 67601

Fisher #34-2

Job Ticket: 64174

DST#: 1

ATTN: Keith Reavis

Test Start: 2018.10.07 @ 11:38:00

GENERAL INFORMATION:

Formation: **LKC " H "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:57:46

Time Test Ended: 19:04:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: 4341.00 ft (KB) To 4373.00 ft (KB) (TVD)

Reference Elevations: 3328.00 ft (KB)

Total Depth: 4373.00 ft (KB) (TVD)

3324.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

Serial #: 8645

Outside

Press@RunDepth: 94.83 psig @ 4342.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.10.07

End Date:

2018.10.07

Last Calib.:

2018.10.07

Start Time: 11:38:01

End Time:

19:04:01

Time On Btm:

2018.10.07 @ 13:57:31

Time Off Btm:

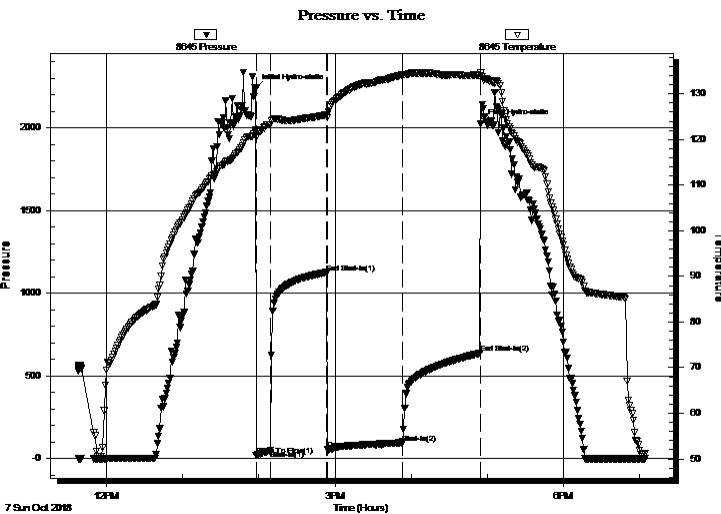
2018.10.07 @ 16:55:01

TEST COMMENT: 10-IFP- Surface Blow Built to 2 1/2"

45-ISIP- No Blow

60-FFP- Surface Blow Built to 6 1/2"

60-FSIP- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2240.32	122.02	Initial Hydro-static
1	19.15	120.50	Open To Flow (1)
12	48.98	123.32	Shut-In(1)
56	1126.07	125.39	End Shut-In(1)
57	53.99	124.80	Open To Flow (2)
116	94.83	134.12	Shut-In(2)
177	637.36	134.05	End Shut-In(2)
178	2025.01	134.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
175.00	MCW 45% m 55% w Show of Oil in Tool	1.36

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bickle Energies LLC

34-5s-37w Cheyenne KS

PO Box 816
Hays KS 67601

Fisher #34-2

Job Ticket: 64174

DST#: 1

ATTN: Keith Reavis

Test Start: 2018.10.07 @ 11:38:00

Tool Information

Drill Pipe:	Length: 4204.00 ft	Diameter: 3.80 inches	Volume: 58.97 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4341.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4314.00	
Shut In Tool	5.00			4319.00	
Hydraulic tool	5.00		Inside	4324.00	
Jars	5.00			4329.00	
Safety Joint	2.00			4331.00	
Packer	5.00			4336.00	28.00 Bottom Of Top Packer
Packer	5.00			4341.00	
Stubb	1.00			4342.00	
Recorder	0.00	8645	Outside	4342.00	
Recorder	0.00	6731	Inside	4342.00	
Perforations	28.00			4370.00	
Bullnose	3.00			4373.00	32.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bickle Energies LLC

34-5s-37w Cheyenne KS

PO Box 816
Hays KS 67601

Fisher #34-2

Job Ticket: 64174

DST#: 1

ATTN: Keith Reavis

Test Start: 2018.10.07 @ 11:38:00

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: 44000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3000.00 ppm

Filter Cake: 2.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
175.00	MCW 45% <i>m</i> 55% <i>w</i> Show of Oil in Tool	1.362

Total Length: 175.00 ft Total Volume: 1.362 bbl

Num Fluid Samples: 0

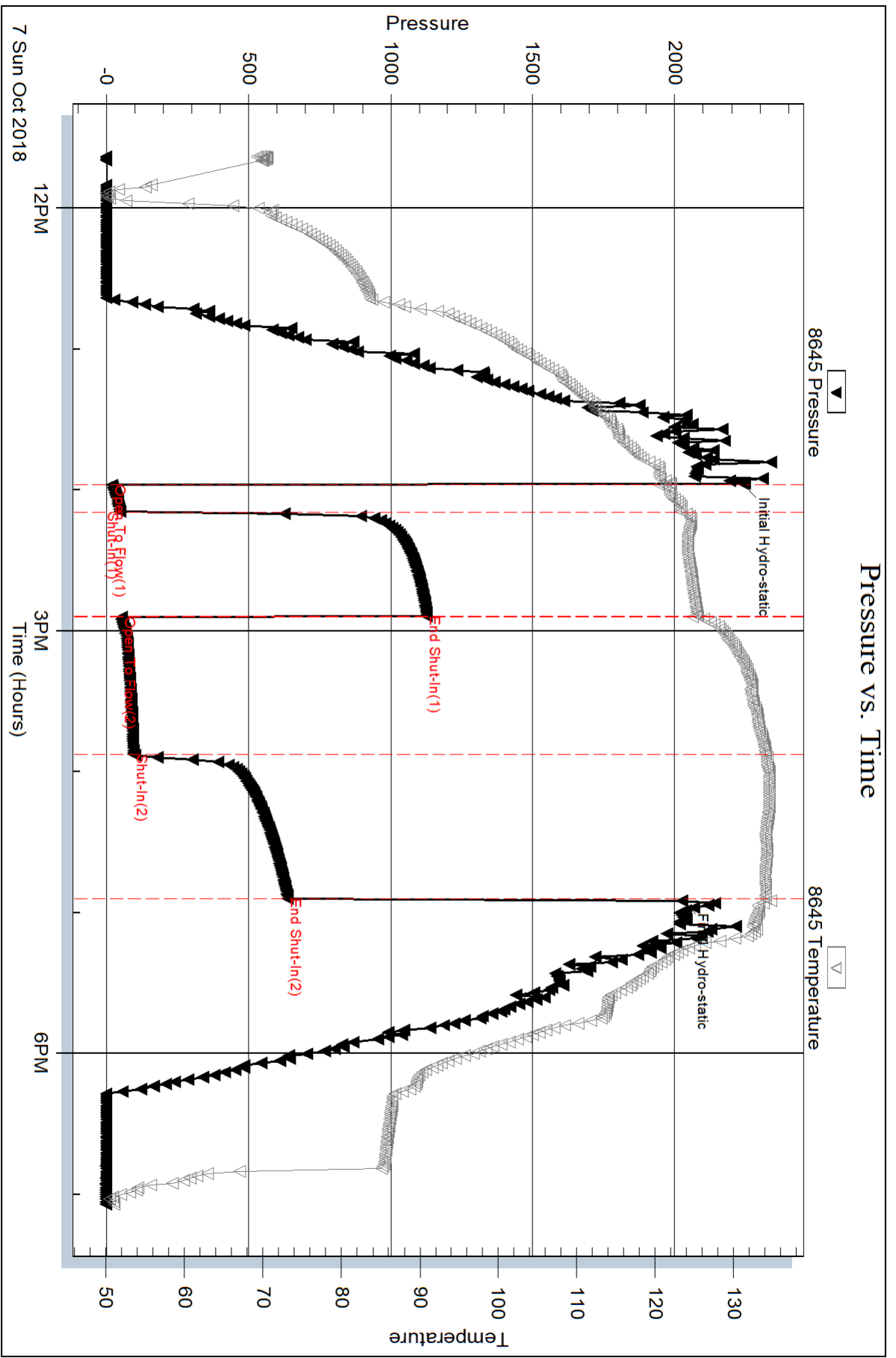
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .265 @ 45



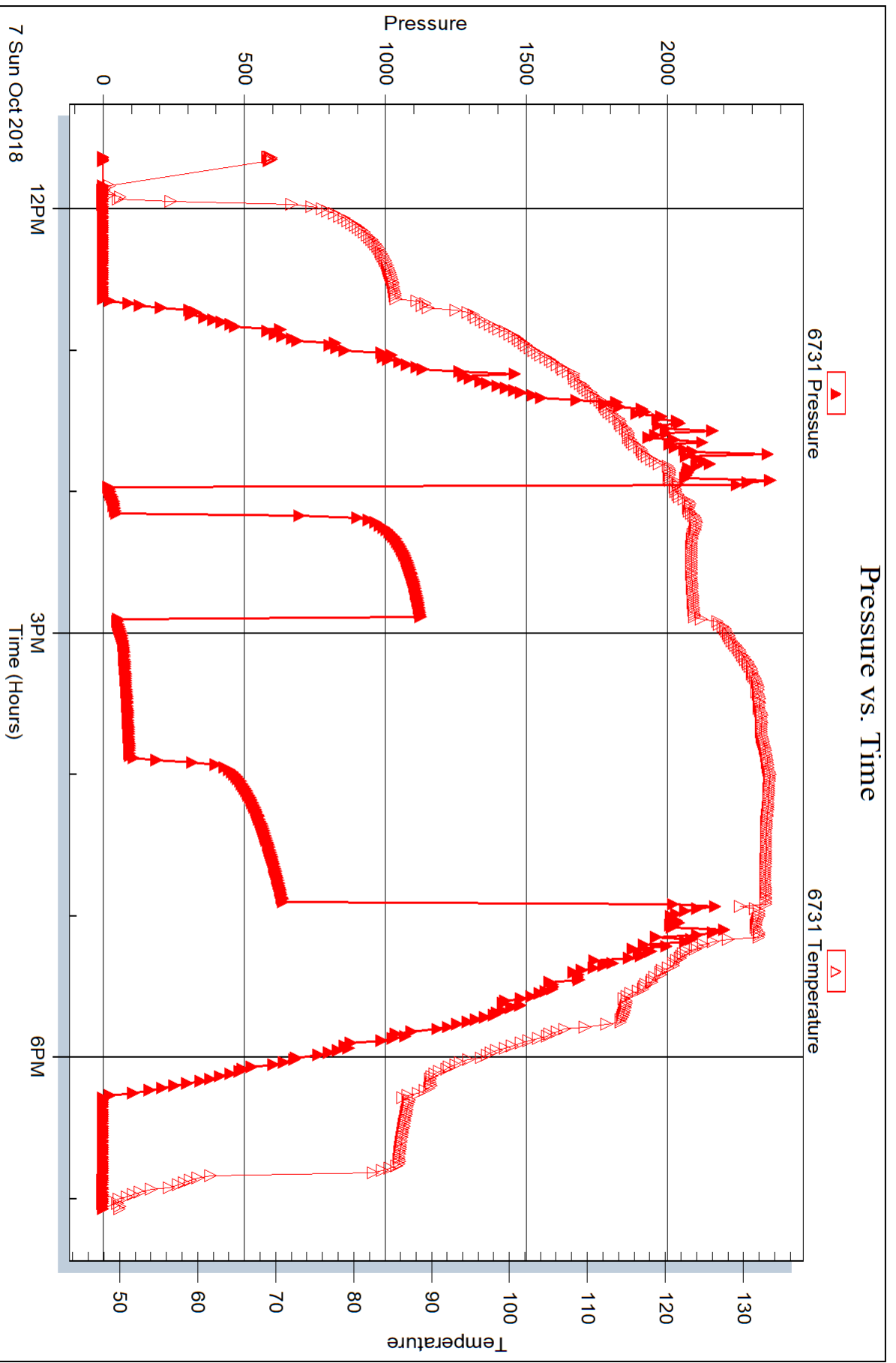
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Inside

Bickle Energies LLC

Fisher #34-2

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Bickle Energies LLC**

PO Box 816
Hays KS 67601

ATTN: Keith Reavis

Fisher #34-2

34-5s-37w Cheyenne KS

Start Date: 2018.10.08 @ 08:22:00

End Date: 2018.10.08 @ 15:46:00

Job Ticket #: 64148 DST #: 2

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

Printed: 2018.10.11 @ 14:32:04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bickle Energies LLC

34-5s-37w Cheyenne KS

PO Box 816
Hays KS 67601

Fisher #34-2

Job Ticket: 64148

DST#: 2

ATTN: Keith Reavis

Test Start: 2018.10.08 @ 08:22:00

GENERAL INFORMATION:

Formation: **LKC " J "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:25:01
 Time Test Ended: 15:46:00
 Interval: **4372.00 ft (KB) To 4430.00 ft (KB) (TVD)**
 Total Depth: 4430.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jim Svaty
 Unit No: 76
 Reference Elevations: 3328.00 ft (KB)
 3324.00 ft (CF)
 KB to GR/CF: 4.00 ft

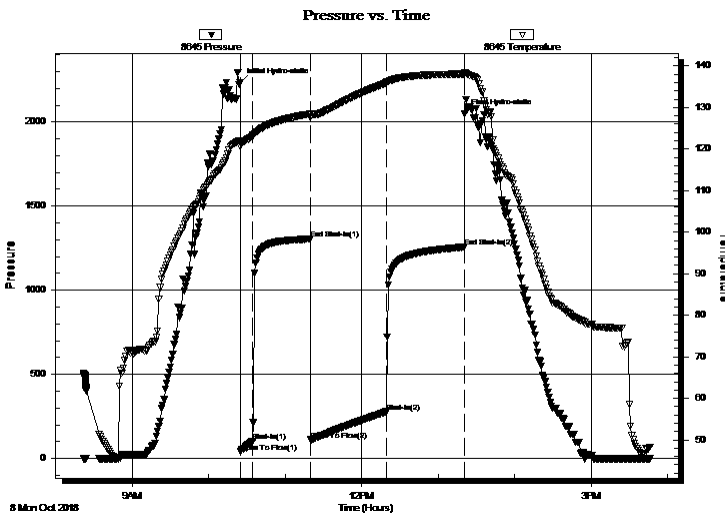
Serial #: 8645

Outside

Press@RunDepth: 277.22 psig @ 4373.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.10.08 End Date: 2018.10.08 Last Calib.: 2018.10.08
 Start Time: 08:22:01 End Time: 15:46:01 Time On Btm: 2018.10.08 @ 10:24:46
 Time Off Btm: 2018.10.08 @ 13:21:01

TEST COMMENT: 10-IFP- Surface Blow Built to 8" iPro -- 11.8"
 45-ISIP- No Blow
 60-FFP- BOB in 17 min. iPro -- 37"
 60-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2234.98	122.04	Initial Hydro-static
1	38.94	120.53	Open To Flow (1)
10	102.15	123.12	Shut-In(1)
55	1304.20	128.42	End Shut-In(1)
56	111.55	127.56	Open To Flow (2)
115	277.22	135.93	Shut-In(2)
176	1257.01	138.05	End Shut-In(2)
177	2049.91	138.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Water 100% Show of Oil	0.59
125.00	OMCW 5%o 15%m 80%w	1.75
125.00	OMCW 10%o 40%m 50%w	1.75
125.00	OWCM 10%o 30%w 60%m	1.75
62.00	WOCM 5%w 30%o 65%m	0.87

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bickle Energies LLC

34-5s-37w Cheyenne KS

PO Box 816
Hays KS 67601

Fisher #34-2

Job Ticket: 64148

DST#: 2

ATTN: Keith Reavis

Test Start: 2018.10.08 @ 08:22:00

Tool Information

Drill Pipe:	Length: 4235.00 ft	Diameter: 3.80 inches	Volume: 59.41 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 60.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4372.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4345.00	
Shut In Tool	5.00			4350.00	
Hydraulic tool	5.00		Inside	4355.00	
Jars	5.00			4360.00	
Safety Joint	2.00			4362.00	
Packer	5.00			4367.00	28.00 Bottom Of Top Packer
Packer	5.00			4372.00	
Stubb	1.00			4373.00	
Recorder	0.00	8645	Outside	4373.00	
Recorder	0.00	6731	Inside	4373.00	
Perforations	21.00			4394.00	
Change Over Sub	1.00			4395.00	
Drill Pipe	31.00			4426.00	
Change Over Sub	1.00			4427.00	
Bullnose	3.00			4430.00	58.00 Bottom Packers & Anchor

Total Tool Length: 86.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bickle Energies LLC

34-5s-37w Cheyenne KS

PO Box 816
Hays KS 67601

Fisher #34-2

Job Ticket: 64148

DST#: 2

ATTN: Keith Reavis

Test Start: 2018.10.08 @ 08:22:00

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:

41000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	Water 100% Show of Oil	0.590
125.00	OMCW 5%o 15%m 80%w	1.753
125.00	OMCW 10%o 40%m 50%w	1.753
125.00	OWCM 10%o 30%w 60%m	1.753
62.00	WOCM 5%w 30%o 65%m	0.870

Total Length: 557.00 ft

Total Volume: 6.719 bbl

Num Fluid Samples: 0

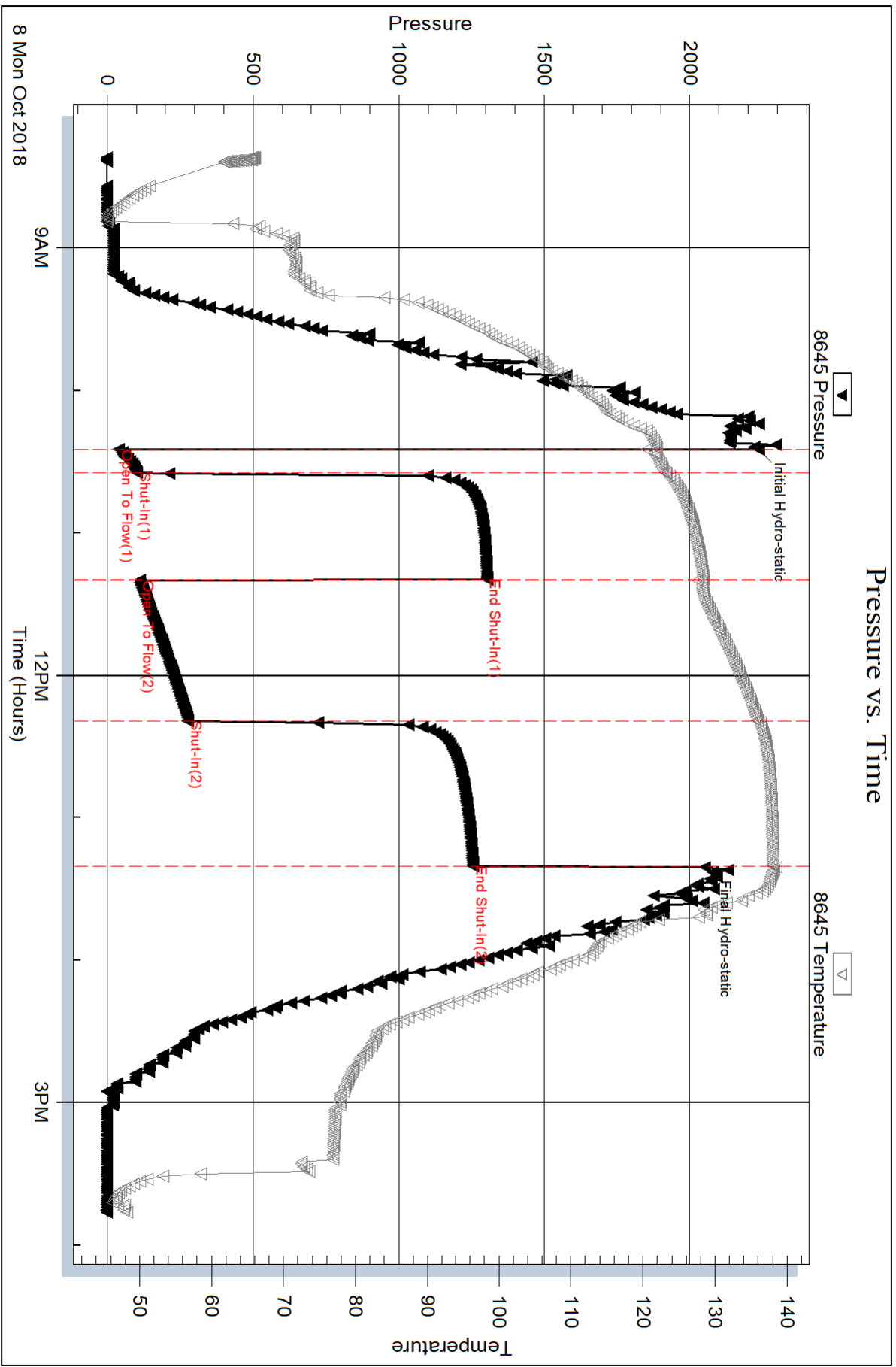
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .279 @ 45



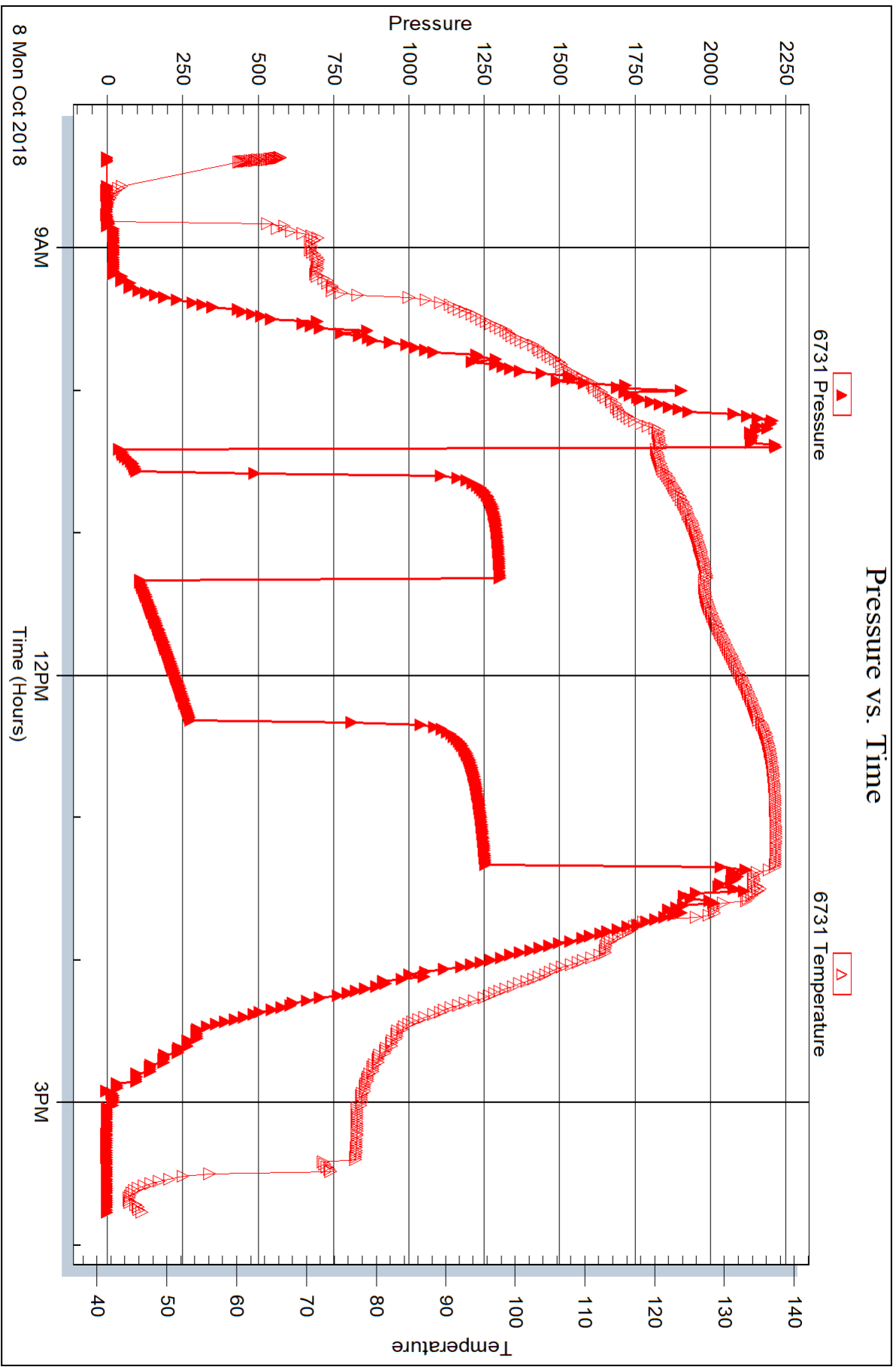
Serial #: 6731

Inside

Bickle Energies LLC

Fisher #34-2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 64148

Printed: 2018.10.11 @ 14:32:05



DRILL STEM TEST REPORT

Prepared For: **Bickle Energies LLC**

PO Box 816
Hays KS 67601

ATTN: Keith Reavis

Fisher #34-2

34-5s-37w Cheyenne KS

Start Date: 2018.10.09 @ 19:00:00

End Date: 2018.10.10 @ 03:40:00

Job Ticket #: 64149 DST #: 3

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

Printed: 2018.10.11 @ 14:31:10



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Bickle Energies LLC

34-5s-37w Cheyenne KS

PO Box 816
Hays KS 67601

Fisher #34-2

Job Ticket: 64149

DST#: 3

ATTN: Keith Reavis

Test Start: 2018.10.09 @ 19:00:00

GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:40:16

Time Test Ended: 03:40:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 4590.00 ft (KB) To 4616.00 ft (KB) (TVD)

Reference Elevations: 3328.00 ft (KB)

Total Depth: 4616.00 ft (KB) (TVD)

3324.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 4.00 ft

Serial #: 8645 Outside

Press@RunDepth: 643.73 psig @ 4591.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.10.09

End Date:

2018.10.10

Last Calib.: 2018.10.10

Start Time: 19:00:01

End Time:

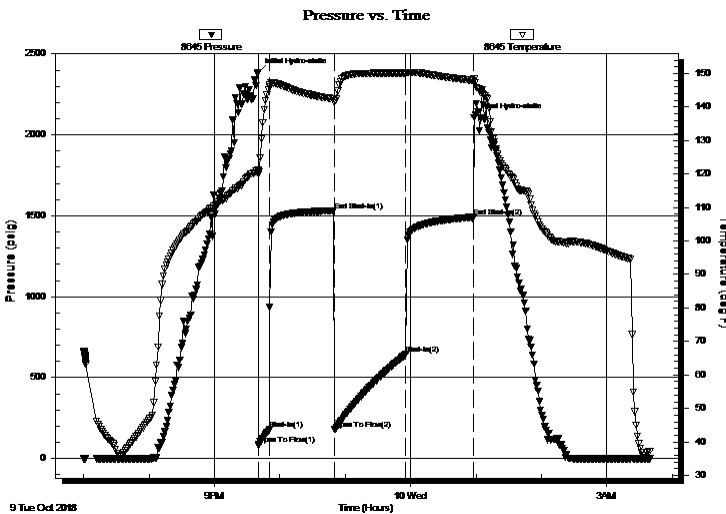
03:40:01

Time On Btm: 2018.10.09 @ 21:40:01

Time Off Btm: 2018.10.10 @ 00:58:16

TEST COMMENT: 10-IFP- BOB in 4 1/2 min. IPRO -- 24"
60-ISIP- Weak Surface Blow in 2 min.
60-FFP- BOB in 5 min. IPRO -- 114"
60-FSIP- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2385.92	121.15	Initial Hydro-static
1	89.61	119.93	Open To Flow (1)
11	178.25	145.91	Shut-In(1)
70	1531.08	142.45	End Shut-In(1)
70	182.83	141.32	Open To Flow (2)
136	643.73	150.08	Shut-In(2)
198	1490.58	147.92	End Shut-In(2)
199	2107.44	148.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1058.00	MCW 2%w 98%w	13.75
344.00	WCM 25%w 75%w Show of Oil	4.83

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Bickle Energies LLC

34-5s-37w Cheyenne KS

PO Box 816
Hays KS 67601

Fisher #34-2

Job Ticket: 64149

DST#: 3

ATTN: Keith Reavis

Test Start: 2018.10.09 @ 19:00:00

Tool Information

Drill Pipe:	Length: 4455.00 ft	Diameter: 3.80 inches	Volume: 62.49 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4590.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4563.00	
Shut In Tool	5.00			4568.00	
Hydraulic tool	5.00		Inside	4573.00	
Jars	5.00			4578.00	
Safety Joint	2.00			4580.00	
Packer	5.00			4585.00	28.00 Bottom Of Top Packer
Packer	5.00			4590.00	
Stubb	1.00			4591.00	
Recorder	0.00	8645	Outside	4591.00	
Recorder	0.00	6731	Inside	4591.00	
Perforations	22.00			4613.00	
Bullnose	3.00			4616.00	26.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Bickle Energies LLC

34-5s-37w Cheyenne KS

PO Box 816
Hays KS 67601

Fisher #34-2

Job Ticket: 64149

DST#: 3

ATTN: Keith Reavis

Test Start: 2018.10.09 @ 19:00:00

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:

40000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 1.50 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1058.00	MCW 2% _m 98% _w	13.748
344.00	WCM 25% _w 75% _m Show of Oil	4.825

Total Length: 1402.00 ft

Total Volume: 18.573 bbl

Num Fluid Samples: 0

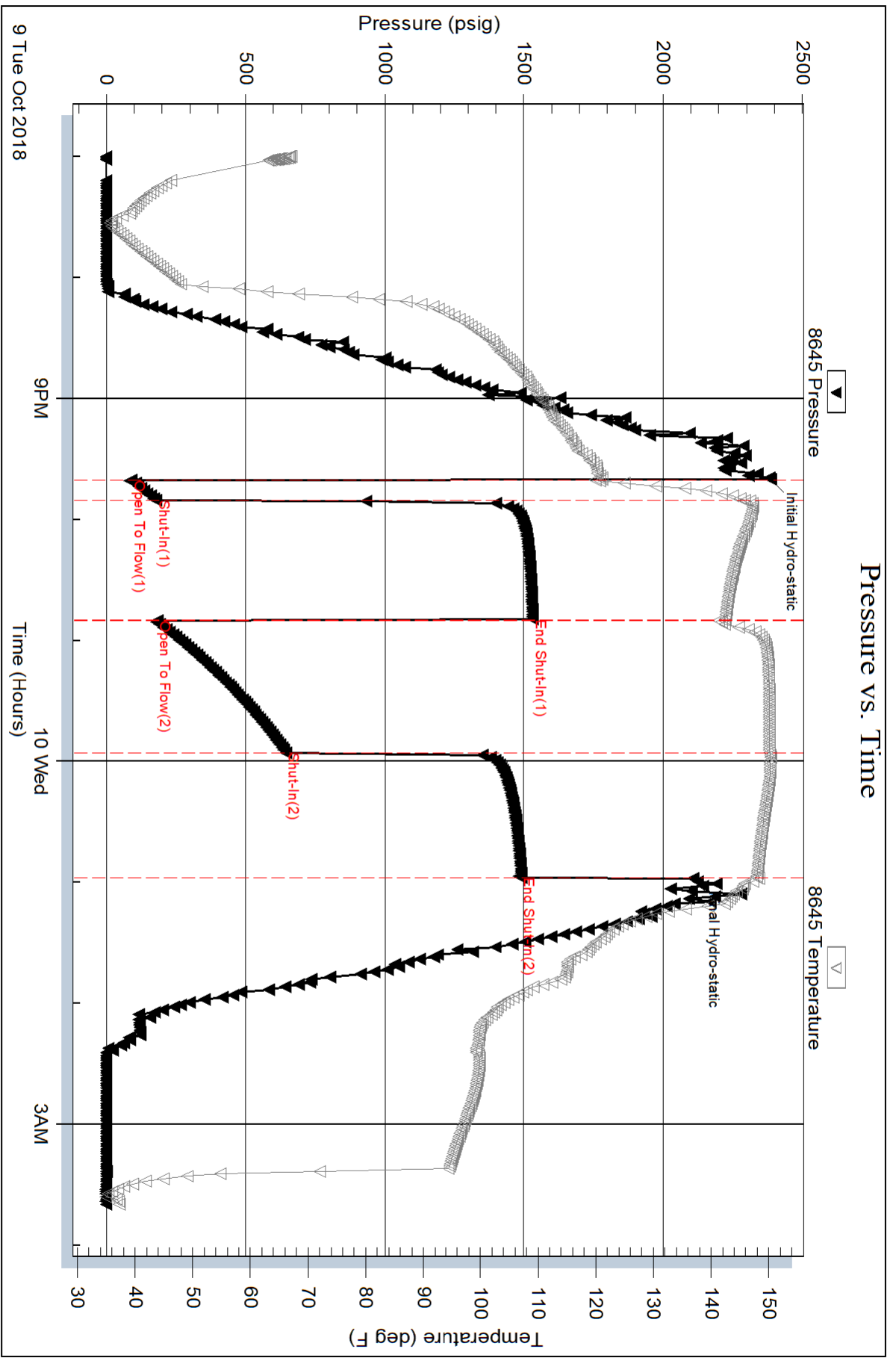
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .350 @ 37



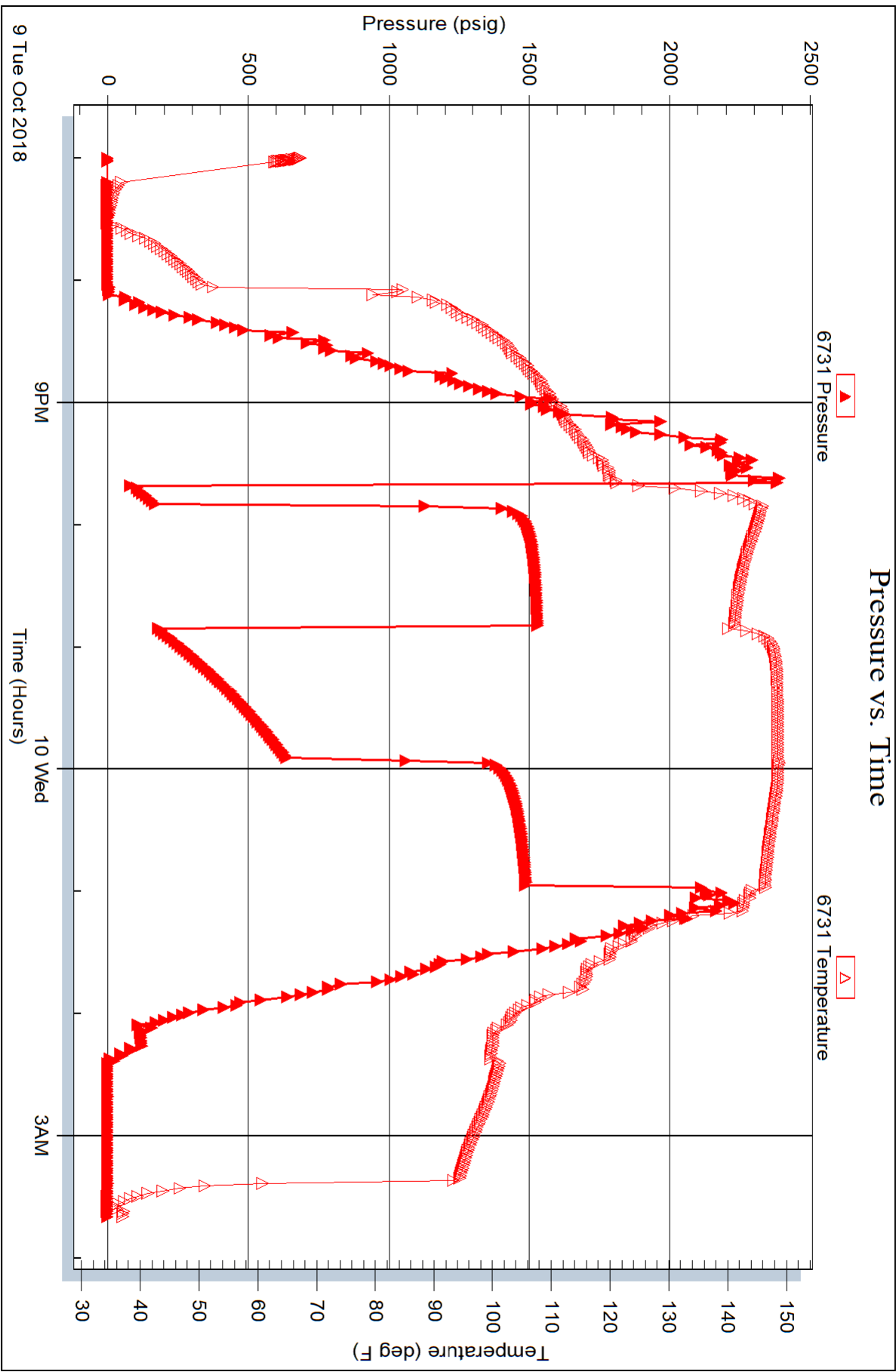
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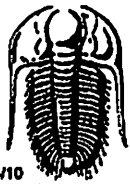
Inside

Bickle Energies LLC

Fisher #34-2

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64147

Well Name & No. Fisher 34-2 Test No. 1 Date 10-7-18
 Company Bickle Energies LLC Elevation 3328 KB 3324 GL
 Address P.O. Box 816 Hays KS 67601
 Co. Rep / Geo. Keith Reavis Rig WW 8
 Location: Sec. 34 Twp 5S Rge. 37W Co. Cheyenne State KS

Interval Tested 4341-4373 Zone Tested LKC & H"
 Anchor Length 32 Drill Pipe Run 4204 Mud Wt. 9.2
 Top Packer Depth 4336 Drill Collars Run 120 Vis 56
 Bottom Packer Depth 4341 Wt. Pipe Run 0 WL 8
 Total Depth 4373 Chlorides 3000 ppm System LCM 2.5

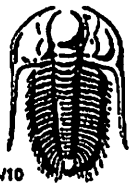
Blow Description IFP- Surface Blow Built to 2 1/2 in.
ISIP- No Blow
FFP- Surface Blow Built to 6 1/2 in.
FSIP- No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>175</u>	<u>MCW</u>		<u>35</u>	<u>45</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 175 BHT 134 Gravity 26.5 @ 45° F Chlorides 41000 ppm
 (A) Initial Hydrostatic 2240 Test 1150 T-On Location 9:48
 (B) First Initial Flow 19 Jars 250 T-Started 11:38
 (C) First Final Flow 48 Safety Joint 75 T-Open 13:58
 (D) Initial Shut-In 1126 Circ Sub _____ T-Pulled 16:53
 (E) Second Initial Flow 53 Hourly Standby _____ T-Out 19:04
 (F) Second Final Flow 94 Mileage 132 RT Comments _____
 (G) Final Shut-In 637 Sampler _____
 (H) Final Hydrostatic 2025 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 10
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60
 Sub Total 0
 Total 1607
 MP/BST Disc't _____
 Sub Total 1607

Approved By _____ Our Representative [Signature]
 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64148

Well Name & No. Fisher 34-2 Test No. 2 Date 10-8-18
 Company Bickle Energies LLC Elevation 3328 KB 3324 GL
 Address P.O. Box 816 Hays KS 67601
 Co. Rep / Geo. Keith Reavis Rig WW8
 Location: Sec. 34 Twp 55 Rge. 37W Co. Cheyenne State KS

Interval Tested 4372-4430 Zone Tested LKC "J"
 Anchor Length 58 Drill Pipe Run 4235 Mud Wt. 9.2
 Top Packer Depth 4367 Drill Collars Run 120 Vls 46
 Bottom Packer Depth 4372 Wt. Pipe Run 0 WL 8.8
 Total Depth 4430 Chlorides 3000 ppm System LCM 1

Blow Description IFP- Surface Blow Built to Pin. IPR 11.8 in.
ISIP- No Blow
FFP- BOB in 17 min. IPR 37 in.
FSIP- No Blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>Water Show of Oil</u>		<u>100</u>		
<u>125</u>	<u>OMCW</u>	<u>5</u>	<u>80</u>	<u>15</u>	
<u>125</u>	<u>OMCW</u>	<u>10</u>	<u>50</u>	<u>40</u>	
<u>125</u>	<u>OWCM</u>	<u>10</u>	<u>30</u>	<u>60</u>	
<u>62</u>	<u>OWCM</u>	<u>30</u>	<u>5</u>	<u>65</u>	

Rec Total 557 BHT 138 Gravity 11.50 API RW 279 @ 45° F Chlorides 41000 ppm

- (A) Initial Hydrostatic 2234
- (B) First Initial Flow 38
- (C) First Final Flow 102
- (D) Initial Shut-In 1304
- (E) Second Initial Flow 111
- (F) Second Final Flow 277
- (G) Final Shut-In 1257
- (H) Final Hydrostatic 2049

- Test 1150
- Jars 250
- Safety Joint 75
- Circ Sub
- Hourly Standby
- Mileage 132
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility

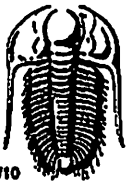
- T-On Location 07:55
- T-Started 08:22
- T-Open 10:25
- T-Pulled 13:20
- T-Out 15:46

Initial Open 10
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 60

Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1607
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

Triobite 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64149

Well Name & No. Fisher 34-2 Test No. 3 Date 10-9-18
 Company Bickle Energies LLC Elevation 3328 KB 3324 GL
 Address P.O. Box 816 Hays KS 67601
 Co. Rep / Geo. Keith Rean's Rig WWR
 Location: Sec. 34 Twp 55 Rge. 37W Co. Cherokee State K.S.

Interval Tested 4590 - 4616 Zone Tested Pawnee
 Anchor Length 26 Drill Pipe Run 4455 Mud Wt. 9.4
 Top Packer Depth 4585 Drill Collars Run 120 Vis 52
 Bottom Packer Depth 4590 Wt. Pipe Run 8 WL 8
 Total Depth 4616 Chlorides 1500 ppm System LCM 1.5

Blow Description I FP - BOB in 4 1/2 min. I PRO 24 in.
I STP - Weak Surface Blow in 2 min.
FFP - BOB in 5 min I PRO 114 in
F STP - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>1058</u>	<u>MCW</u>		<u>98</u>	<u>2</u>	
<u>344</u>	<u>WCM (Show of Oil)</u>		<u>25</u>	<u>75</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1402 BHT 148 Gravity _____ API RW 350 @ 37 °F Chlorides 40000 ppm

(A) Initial Hydrostatic 2385 Test 1150 T-On Location 17:45
 (B) First Initial Flow 89 Jars 250 T-Started 19:00
 (C) First Final Flow 178 Safety Joint 75 T-Open 21:40
 (D) Initial Shut-In 1531 Circ Sub _____ T-Pulled 00:50
 (E) Second Initial Flow 182 Hourly Standby _____ T-Out 03:40
 (F) Second Final Flow 643 Mileage 132
 (G) Final Shut-In 1490 Sampler _____
 (H) Final Hydrostatic 2107 Straddle _____

Initial Open 10 Ruined Shale Packer _____
 Initial Shut-In 60 Ruined Packer _____
 Final Flow 60 Extra Packer _____
 Final Shut-In 60 Extra Recorder _____
 Sub Total 0 Day Standby _____
 Total 1607 Accessibility _____
 Sub Total 1607 MPDST Disc't _____

Approved By _____ Our Representative [Signature]
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785-639-5864