



DRILL STEM TEST REPORT

Prepared For: **Flatland Resources Corp.**

PO Box 763
Hays KS 67601

ATTN: Jason T Alm

Bemis #1-29

29 13s 19w Ellis,KS

Start Date: 2016.02.05 @ 19:30:00

End Date: 2016.02.06 @ 02:25:00

Job Ticket #: 64757 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.02.09 @ 08:53:20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64757

DST#: 1

ATTN: Jason T Alm

Test Start: 2016.02.05 @ 19:30:00

GENERAL INFORMATION:

Formation: **Toronto - LKC " C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:37:30

Time Test Ended: 02:25:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: 3446.00 ft (KB) To 3535.00 ft (KB) (TVD)

Reference Elevations: 2162.00 ft (KB)

Total Depth: 3535.00 ft (KB) (TVD)

2154.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8289 Outside

Press@RunDepth: 89.37 psig @ 3449.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.05

End Date:

2016.02.06

Last Calib.:

2016.02.06

Start Time: 19:30:02

End Time:

02:25:00

Time On Btm:

2016.02.05 @ 21:37:00

Time Off Btm:

2016.02.06 @ 00:38:00

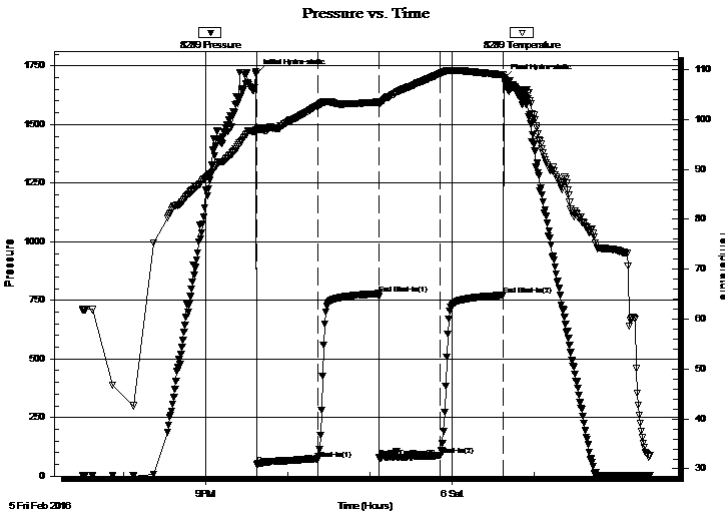
TEST COMMENT: 45-IF- Surface Blow Building to 2". In 15 min.

45-ISI- No Blow

45-FF- Weak Surface Blow

45-FSI- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.42	97.86	Initial Hydro-static
1	51.80	97.61	Open To Flow (1)
45	73.56	102.74	Shut-In(1)
90	778.89	103.52	End Shut-In(1)
90	80.56	103.26	Open To Flow (2)
135	89.37	109.27	Shut-In(2)
181	772.42	108.94	End Shut-In(2)
181	1697.14	108.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	Oil Speck Mud 100%	1.05

Gas Rates

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



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Flatland Resources Corp.

29 13s 19w Ellis, KS

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Bemis #1-29

Job Ticket: 64757

DST#: 1

ATTN: Jason T Alm

Test Start: 2016.02.05 @ 19:30:00

GENERAL INFORMATION:

Formation: **Toronto - LKC " C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:37:30

Time Test Ended: 02:25:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jim Svaty

Unit No: 76

Interval: 3446.00 ft (KB) To 3535.00 ft (KB) (TVD)

Reference Elevations: 2162.00 ft (KB)

Total Depth: 3535.00 ft (KB) (TVD)

2154.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8789 Inside

Press@RunDepth: psig @ 3449.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.05 End Date: 2016.02.06

Last Calib.: 2016.02.06

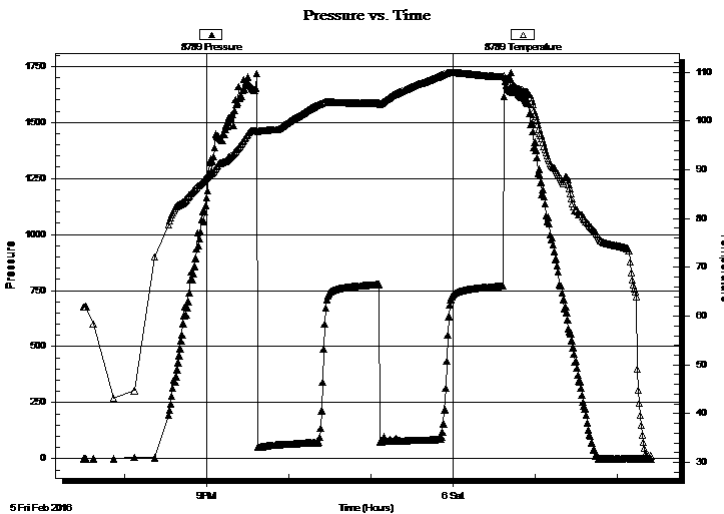
Start Time: 19:30:02 End Time: 02:24:45

Time On Btm:

Time Off Btm:

TEST COMMENT: 45-IF- Surface Blow Building to 2". In 15 min.
45-ISI- No Blow
45-FF- Weak Surface Blow
45-FSI- No Blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
95.00	Oil Speck Mud 100%	1.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64757

DST#: 1

ATTN: Jason T Alm

Test Start: 2016.02.05 @ 19:30:00

Tool Information

Drill Pipe:	Length: 3425.00 ft	Diameter: 3.80 inches	Volume: 48.04 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 48.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3446.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	110.00 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			3426.00	
Shut In Tool	5.00			3431.00	
Hydraulic tool	5.00			3436.00	
Packer	5.00			3441.00	21.00 Bottom Of Top Packer
Packer	5.00			3446.00	
Stubb	1.00			3447.00	
Perforations	1.00			3448.00	
Change Over Sub	1.00			3449.00	
Recorder	0.00	8789	Inside	3449.00	
Recorder	0.00	8289	Outside	3449.00	
Blank Spacing	63.00			3512.00	
Change Over Sub	1.00			3513.00	
Perforations	19.00			3532.00	
Bullnose	3.00			3535.00	89.00 Bottom Packers & Anchor

Total Tool Length: 110.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64757

DST#: 1

ATTN: Jason T Alm

Test Start: 2016.02.05 @ 19:30:00

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: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	Oil Speck Mud 100%	1.050

Total Length: 95.00 ft Total Volume: 1.050 bbl

Num Fluid Samples: 0

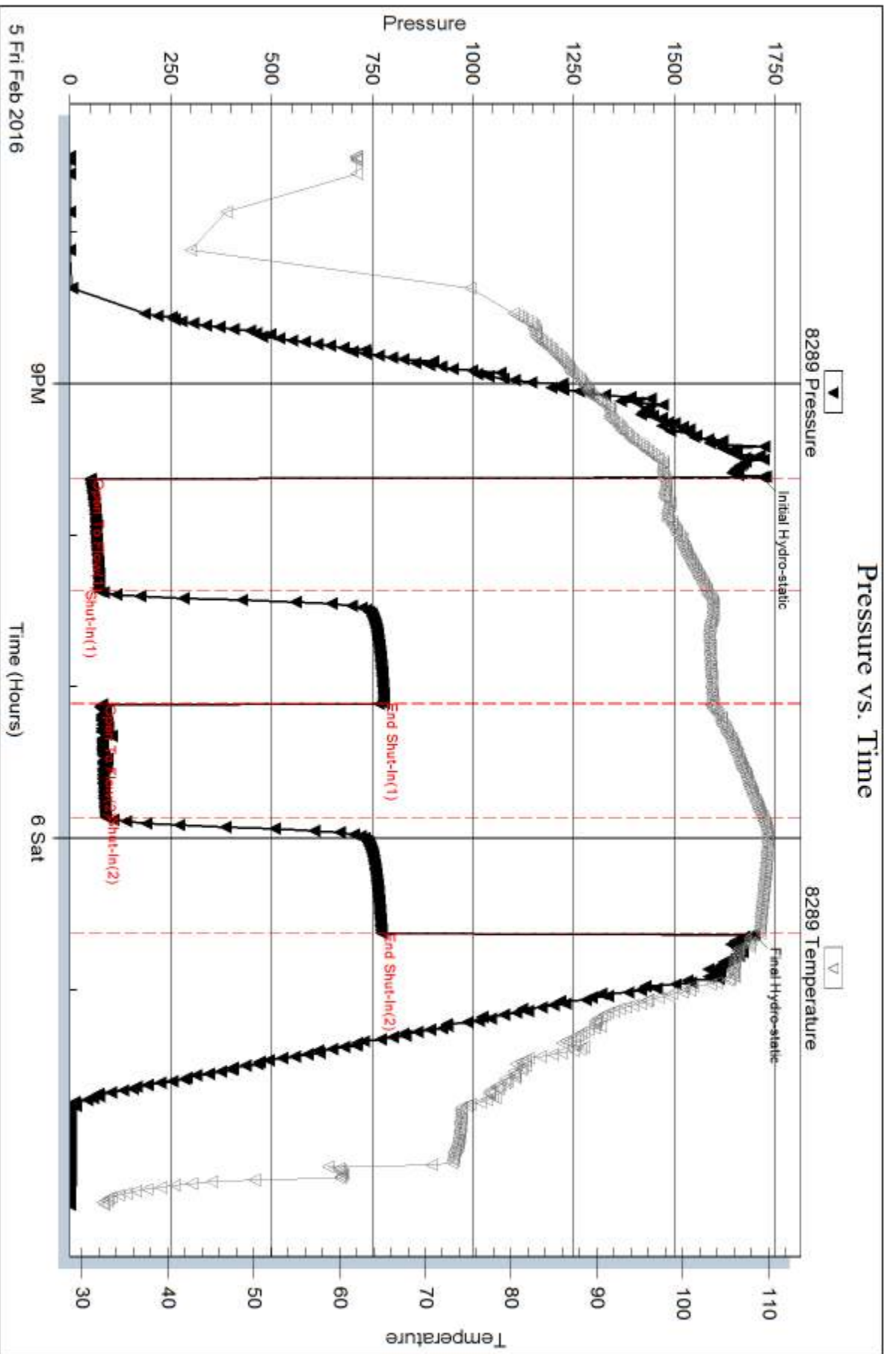
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



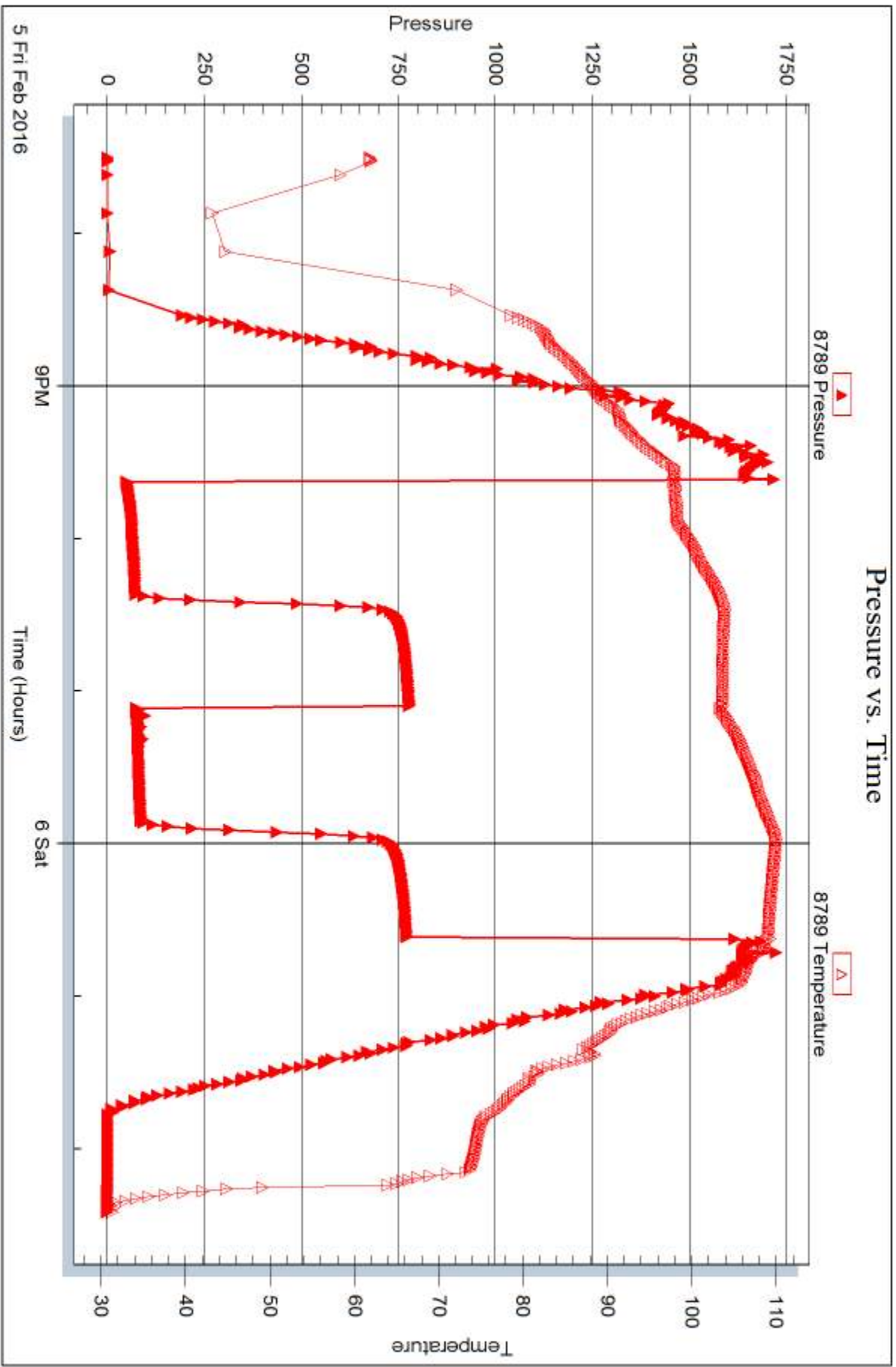
Serial #: 8789

Inside

Flatland Resources Corp.

Bennis #1-29

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 64757

Printed: 2016.02.09 @ 08:53:22



DRILL STEM TEST REPORT

Prepared For: **Flatland Resources Corp.**

PO Box 763
Hays KS 67601

ATTN: Jason T Alm

Bemis #1-29

29 13s 19w Ellis,KS

Start Date: 2016.02.06 @ 09:52:00

End Date: 2016.02.06 @ 15:50:00

Job Ticket #: 64758 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.02.09 @ 08:52:59



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64758

DST#: 2

ATTN: Jason T Alm

Test Start: 2016.02.06 @ 09:52:00

GENERAL INFORMATION:

Formation: **LKC " D - F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:15:00

Time Test Ended: 15:50:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 3533.00 ft (KB) To 3585.00 ft (KB) (TVD)

Reference Elevations: 2162.00 ft (KB)

Total Depth: 3585.00 ft (KB) (TVD)

2154.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8289 Outside

Press@RunDepth: 40.53 psig @ 3550.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.06

End Date:

2016.02.06

Last Calib.:

2016.02.06

Start Time: 09:52:02

End Time:

15:49:45

Time On Btm:

2016.02.06 @ 12:14:45

Time Off Btm:

2016.02.06 @ 14:15:45

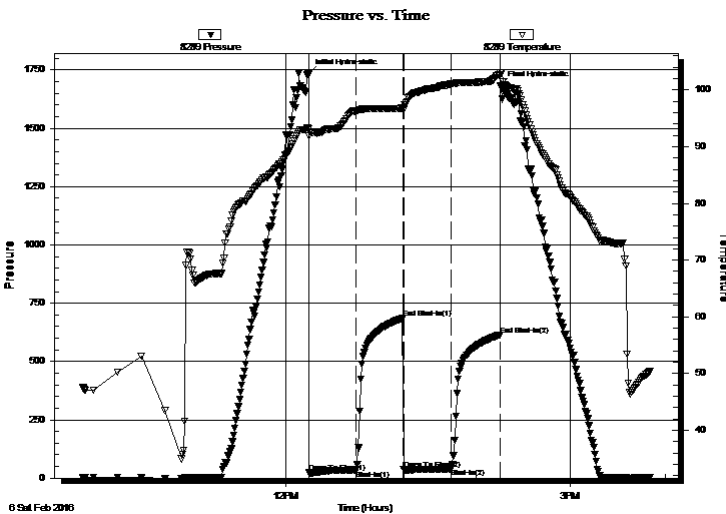
TEST COMMENT: 30-IF- Surface Blow Building to 2 3/4"

30-ISI- No Blow

30-FF- Weak Surface Blow

30-FSI- No Blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1734.65	93.12	Initial Hydro-static
1	24.30	91.99	Open To Flow (1)
30	34.49	96.28	Shut-In(1)
60	685.44	96.81	End Shut-In(1)
60	37.73	96.52	Open To Flow (2)
90	40.53	101.13	Shut-In(2)
121	614.79	102.64	End Shut-In(2)
121	1681.64	102.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
57.00	Oil Speck WCM 30%w 70%m	0.52

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
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DRILL STEM TEST REPORT

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64758

DST#: 2

ATTN: Jason T Alm

Test Start: 2016.02.06 @ 09:52:00

GENERAL INFORMATION:

Formation: **LKC " D - F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:15:00

Time Test Ended: 15:50:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 3533.00 ft (KB) To 3585.00 ft (KB) (TVD)

Reference Elevations: 2162.00 ft (KB)

Total Depth: 3585.00 ft (KB) (TVD)

2154.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8789 Inside

Press@RunDepth: psig @ 3550.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.06

End Date:

2016.02.06

Last Calib.:

2016.02.06

Start Time: 09:52:02

End Time:

15:49:45

Time On Btm:

Time Off Btm:

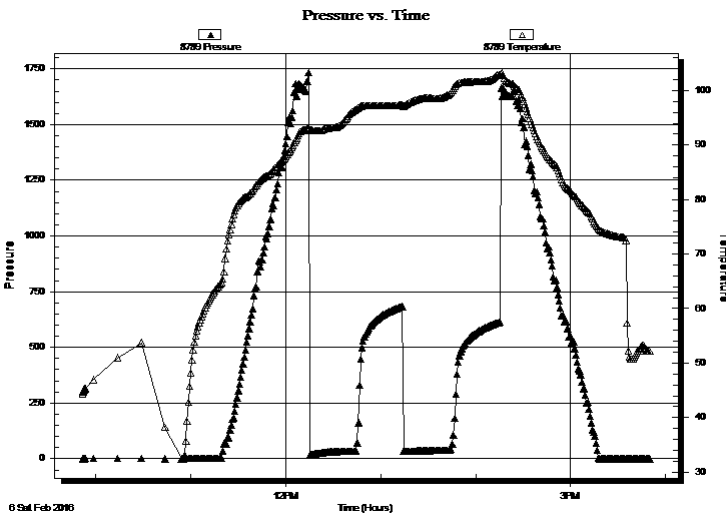
TEST COMMENT: 30-IF- Surface Blow Building to 2 3/4"

30-ISI- No Blow

30-FF- Weak Surface Blow

30-FSI- No Blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
57.00	Oil Speck WCM 30%w 70%m	0.52

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64758

DST#: 2

ATTN: Jason T Alm

Test Start: 2016.02.06 @ 09:52:00

Tool Information

Drill Pipe:	Length: 3488.00 ft	Diameter: 3.80 inches	Volume: 48.93 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 49.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3533.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 ft			
Tool Length:	73.00 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			3513.00	
Shut In Tool	5.00			3518.00	
Hydraulic tool	5.00			3523.00	
Packer	5.00			3528.00	21.00 Bottom Of Top Packer
Packer	5.00			3533.00	
Stubb	1.00			3534.00	
Perforations	15.00			3549.00	
Change Over Sub	1.00			3550.00	
Recorder	0.00	8789	Inside	3550.00	
Recorder	0.00	8289	Outside	3550.00	
Blank Spacing	31.00			3581.00	
Change Over Sub	1.00			3582.00	
Bullnose	3.00			3585.00	52.00 Bottom Packers & Anchor

Total Tool Length: 73.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64758

DST#: 2

ATTN: Jason T Alm

Test Start: 2016.02.06 @ 09:52:00

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:

28000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
57.00	Oil Speck WCM 30%w 70%m	0.517

Total Length: 57.00 ft Total Volume: 0.517 bbl

Num Fluid Samples: 0

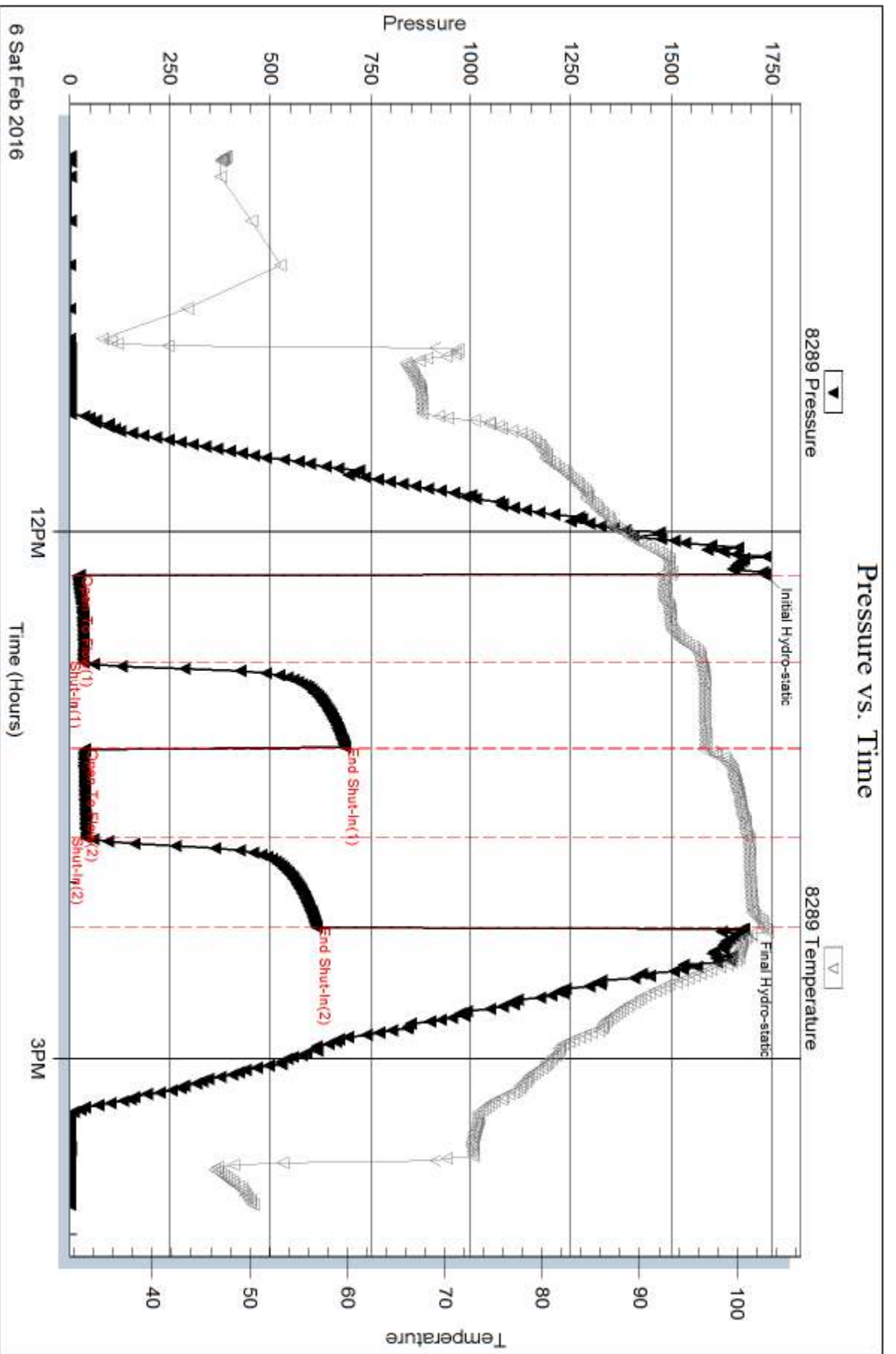
Num Gas Bombs: 0

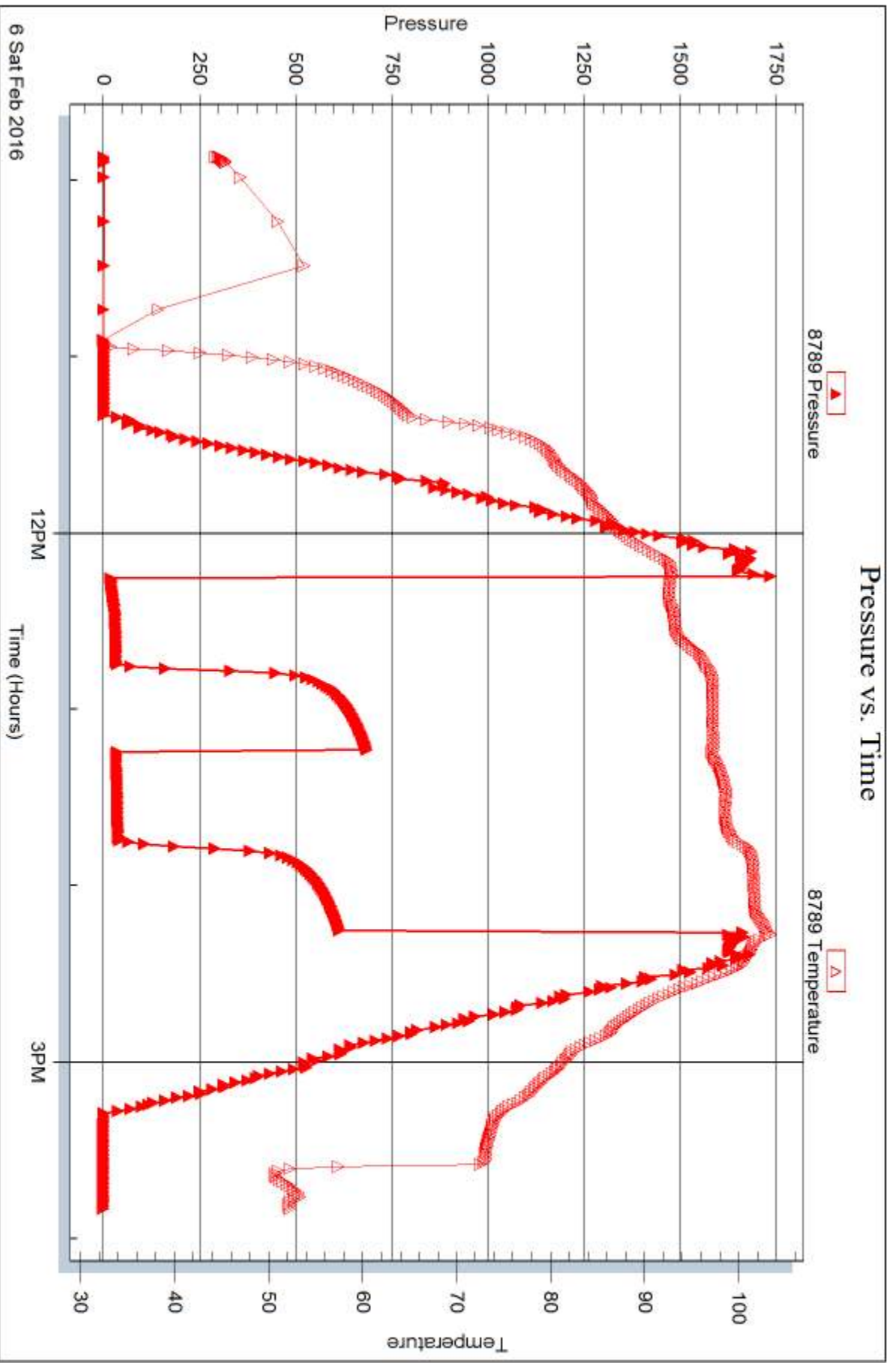
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .360 @ 48







DRILL STEM TEST REPORT

Prepared For: **Flatland Resources Corp.**

PO Box 763
Hays KS 67601

ATTN: Jason T Alm

Bemis #1-29

29 13s 19w Ellis,KS

Start Date: 2016.02.07 @ 01:45:00

End Date: 2016.02.07 @ 07:07:00

Job Ticket #: 64759 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.02.09 @ 08:52:18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64759

DST#: 3

ATTN: Jason T Alm

Test Start: 2016.02.07 @ 01:45:00

GENERAL INFORMATION:

Formation: **LKC "H - K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:06:45

Time Test Ended: 07:07:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 3608.00 ft (KB) To 3700.00 ft (KB) (TVD)

Reference Elevations: 2162.00 ft (KB)

Total Depth: 3700.00 ft (KB) (TVD)

2154.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8289 Outside

Press@RunDepth: 26.18 psig @ 3612.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.07 End Date: 2016.02.07

Last Calib.: 2016.02.07

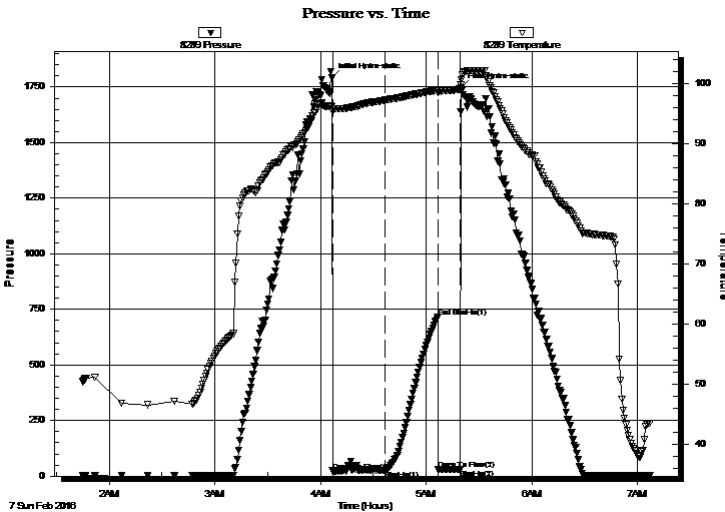
Start Time: 01:45:02 End Time: 07:07:00

Time On Btm: 2016.02.07 @ 04:06:30

Time Off Btm: 2016.02.07 @ 05:19:45

TEST COMMENT: 30-IF- Surface Blow Building to 1 1/2" In 20 min.
30-ISI- No Blow
10-FF- Good Surge on Open ---- No Blow
Pulled

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1790.53	96.14	Initial Hydro-static
1	23.27	95.45	Open To Flow (1)
31	26.18	97.26	Shut-In(1)
60	715.59	98.93	End Shut-In(1)
61	28.56	98.51	Open To Flow (2)
73	28.60	99.09	Shut-In(2)
74	1745.48	100.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil Speck Mud 100%	0.05

* Recovery from multiple tests

Gas Rates

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



TRILOBITE
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DRILL STEM TEST REPORT

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64759

DST#: 3

ATTN: Jason T Alm

Test Start: 2016.02.07 @ 01:45:00

GENERAL INFORMATION:

Formation: **LKC "H - K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:06:45

Time Test Ended: 07:07:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 3608.00 ft (KB) To 3700.00 ft (KB) (TVD)

Reference Elevations: 2162.00 ft (KB)

Total Depth: 3700.00 ft (KB) (TVD)

2154.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8789

Inside

Press@RunDepth: psig @ 3612.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.07

End Date:

2016.02.07

Last Calib.:

2016.02.07

Start Time: 01:45:02

End Time:

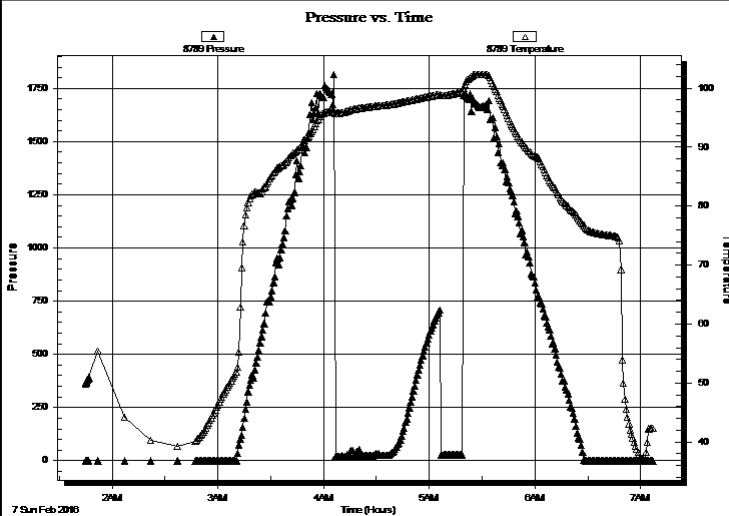
07:07:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF- Surface Blow Building to 1 1/2" In 20 min.
30-ISI- No Blow
10-FF- Good Surge on Open ---- No Blow
Pulled

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Oil Speck Mud 100%	0.05

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64759

DST#: 3

ATTN: Jason T Alm

Test Start: 2016.02.07 @ 01:45:00

Tool Information

Drill Pipe:	Length: 3584.00 ft	Diameter: 3.80 inches	Volume: 50.27 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 57000.00 lb
			<u>Total Volume: 50.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3608.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	92.00 ft			
Tool Length:	113.00 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			3588.00	
Shut In Tool	5.00			3593.00	
Hydraulic tool	5.00			3598.00	
Packer	5.00			3603.00	21.00 Bottom Of Top Packer
Packer	5.00			3608.00	
Stubb	1.00			3609.00	
Perforations	3.00			3612.00	
Recorder	0.00	8789	Inside	3612.00	
Recorder	0.00	8289	Outside	3612.00	
Perforations	20.00			3632.00	
Change Over Sub	1.00			3633.00	
Blank Spacing	63.00			3696.00	
Change Over Sub	1.00			3697.00	
Bullnose	3.00			3700.00	92.00 Bottom Packers & Anchor

Total Tool Length: 113.00



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TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64759

DST#: 3

ATTN: Jason T Alm

Test Start: 2016.02.07 @ 01:45:00

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:

bbbl

Water Loss: 8.74 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Oil Speck Mud 100%	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

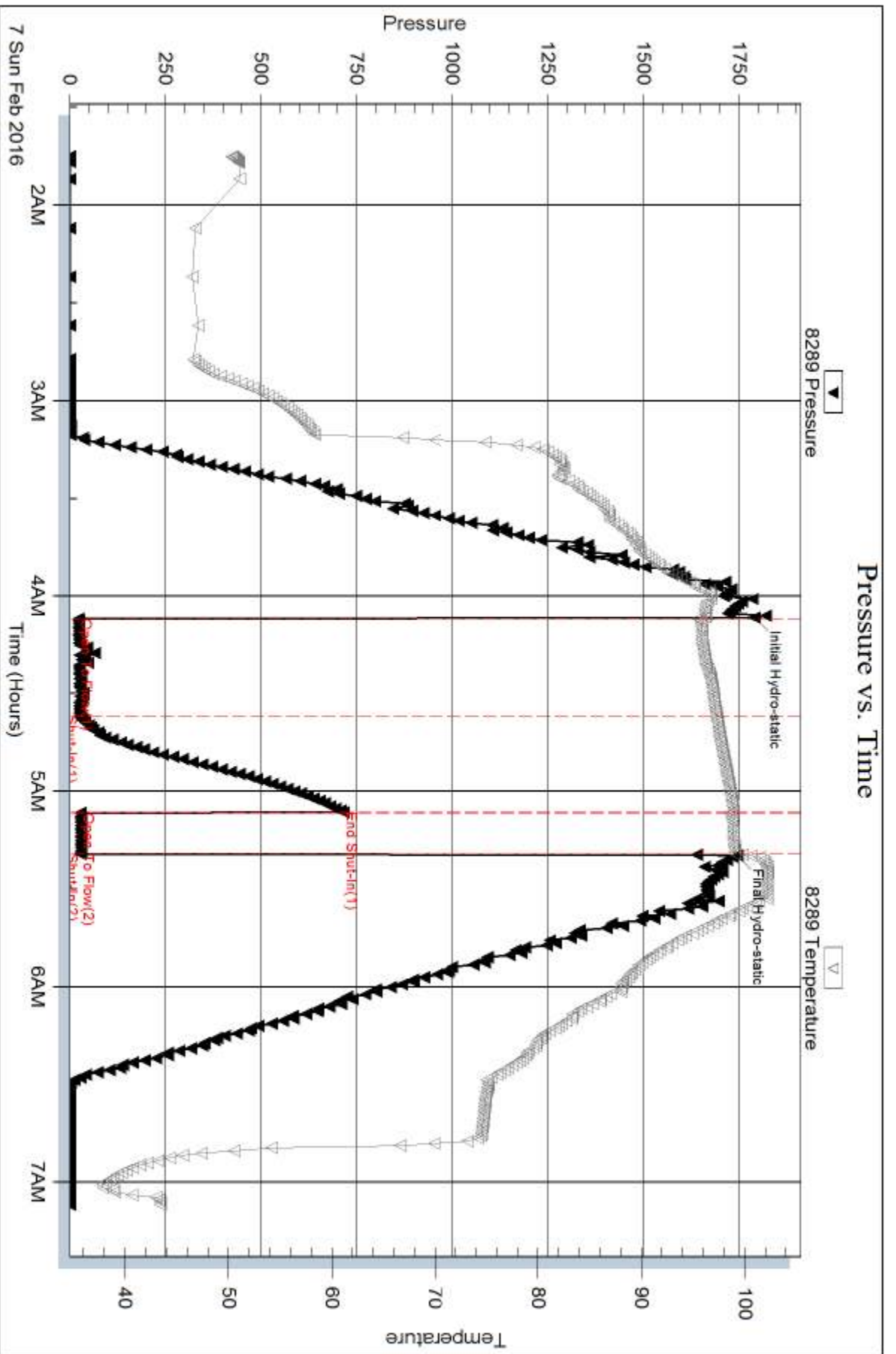
Num Gas Bombs: 0

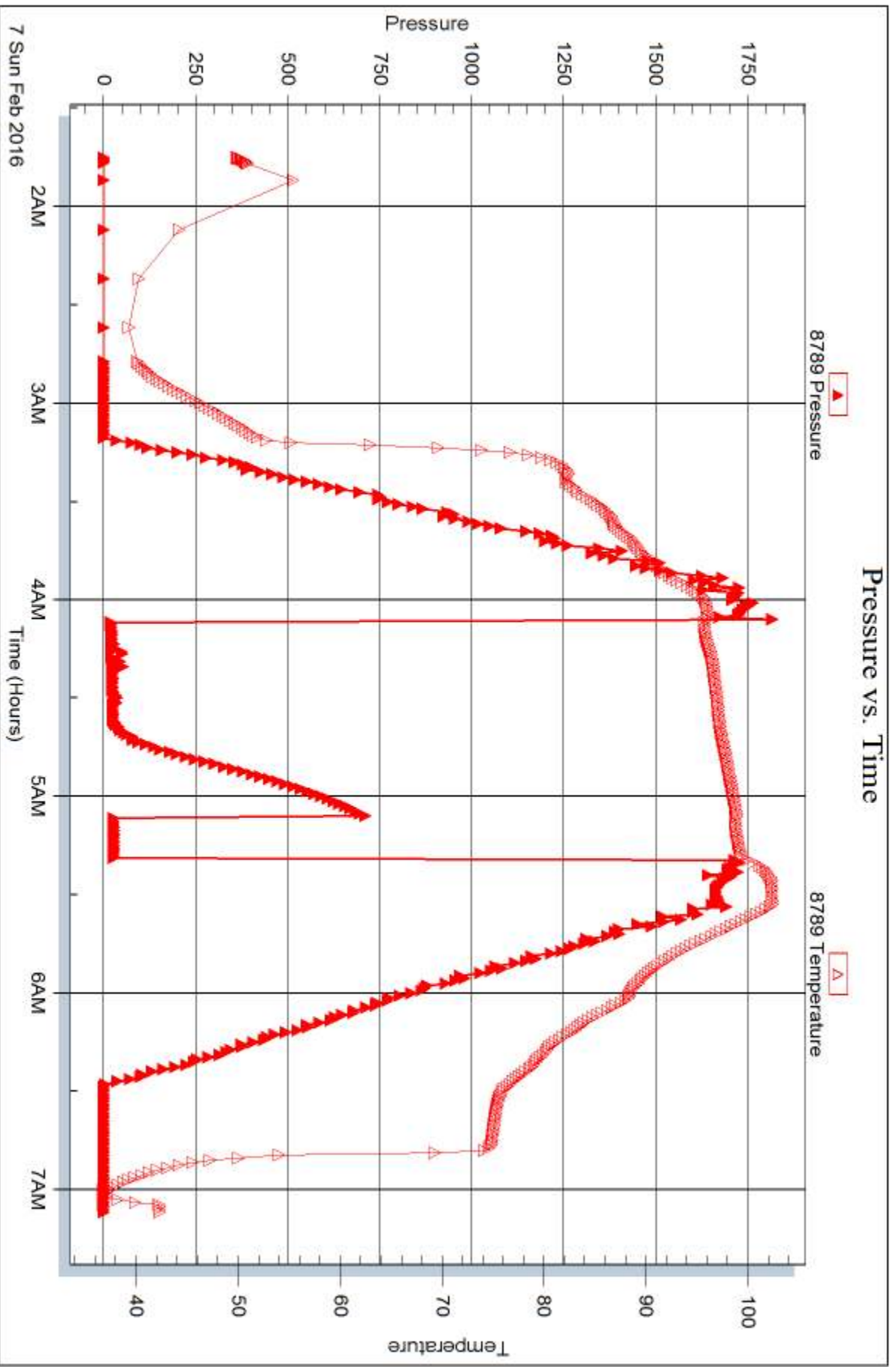
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Flatland Resources Corp.**

PO Box 763
Hays KS 67601

ATTN: Jason T Alm

Bemis #1-29

29 13s 19w Ellis,KS

Start Date: 2016.02.07 @ 21:10:00

End Date: 2016.02.08 @ 01:54:00

Job Ticket #: 64760 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.02.09 @ 08:51:52



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64760

DST#: 4

ATTN: Jason T Alm

Test Start: 2016.02.07 @ 21:10:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:57:45

Time Test Ended: 01:54:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 3798.00 ft (KB) To 3853.00 ft (KB) (TVD)

Total Depth: 3853.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2162.00 ft (KB)

2154.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8289 Outside

Press@RunDepth: 24.28 psig @ 3802.00 ft (KB)

Start Date: 2016.02.07

End Date:

2016.02.08

Start Time: 21:10:02

End Time:

01:54:00

Capacity: 8000.00 psig

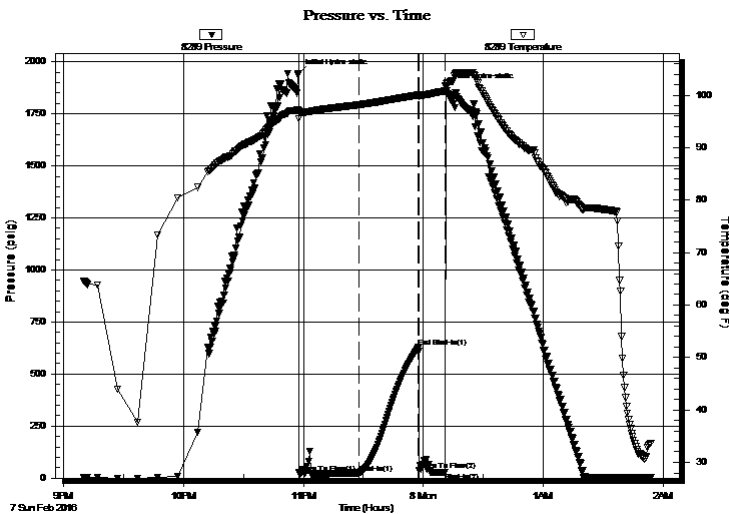
Last Calib.: 2016.02.08

Time On Btm: 2016.02.07 @ 22:57:30

Time Off Btm: 2016.02.08 @ 00:11:15

TEST COMMENT: 30-IF- 1/4" Blow Died in 11 min.
30-ISI- No Blow
10-FF- Good Surge on Open ---- No Blow
Pulled

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1944.40	96.95	Initial Hydro-static
1	24.60	95.55	Open To Flow (1)
31	24.28	98.15	Shut-In(1)
60	628.12	100.02	End Shut-In(1)
61	38.26	99.82	Open To Flow (2)
74	28.48	100.78	Shut-In(2)
74	1877.76	101.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 15%o 85%m	0.02

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Flatland Resources Corp.

29 13s 19w Ellis, KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64760

DST#: 4

ATTN: Jason T Alm

Test Start: 2016.02.07 @ 21:10:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:57:45

Time Test Ended: 01:54:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Jim Svaty

Unit No: 76

Interval: 3798.00 ft (KB) To 3853.00 ft (KB) (TVD)

Reference Elevations: 2162.00 ft (KB)

Total Depth: 3853.00 ft (KB) (TVD)

2154.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8789 Inside

Press@RunDepth: psig @ 3802.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.02.07 End Date: 2016.02.08

Last Calib.: 2016.02.08

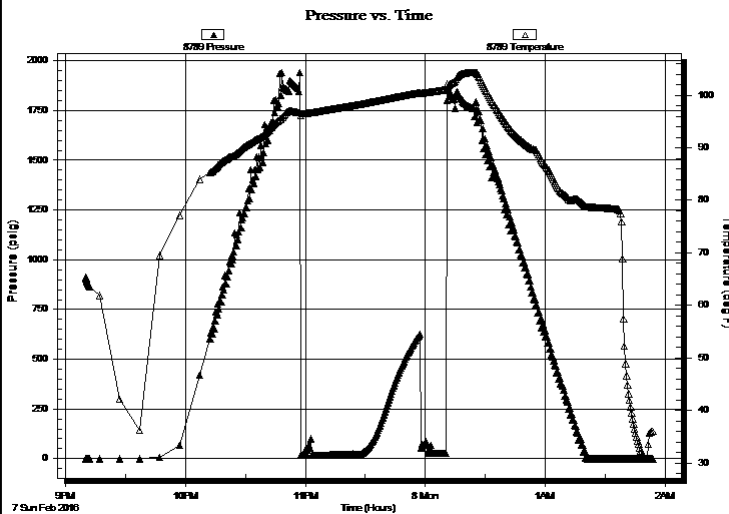
Start Time: 21:10:02 End Time: 01:53:45

Time On Btm:

Time Off Btm:

TEST COMMENT: 30-IF- 1/4" Blow Died in 11 min.
30-ISI- No Blow
10-FF- Good Surge on Open ---- No Blow
Pulled

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OCM 15%o 85% m	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64760

DST#: 4

ATTN: Jason T Alm

Test Start: 2016.02.07 @ 21:10:00

Tool Information

Drill Pipe:	Length: 3774.00 ft	Diameter: 3.80 inches	Volume: 52.94 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 53.09 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3798.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	76.00 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			3778.00	
Shut In Tool	5.00			3783.00	
Hydraulic tool	5.00			3788.00	
Packer	5.00			3793.00	21.00 Bottom Of Top Packer
Packer	5.00			3798.00	
Stubb	1.00			3799.00	
Perforations	3.00			3802.00	
Recorder	0.00	8789	Inside	3802.00	
Recorder	0.00	8289	Outside	3802.00	
Perforations	15.00			3817.00	
Change Over Sub	1.00			3818.00	
Blank Spacing	31.00			3849.00	
Change Over Sub	1.00			3850.00	
Bullnose	3.00			3853.00	55.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatland Resources Corp.

29 13s 19w Ellis,KS

PO Box 763
Hays KS 67601

Bemis #1-29

Job Ticket: 64760

DST#: 4

ATTN: Jason T Alm

Test Start: 2016.02.07 @ 21:10:00

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:

bbbl

Water Loss: 9.56 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OCM 15%o 85%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

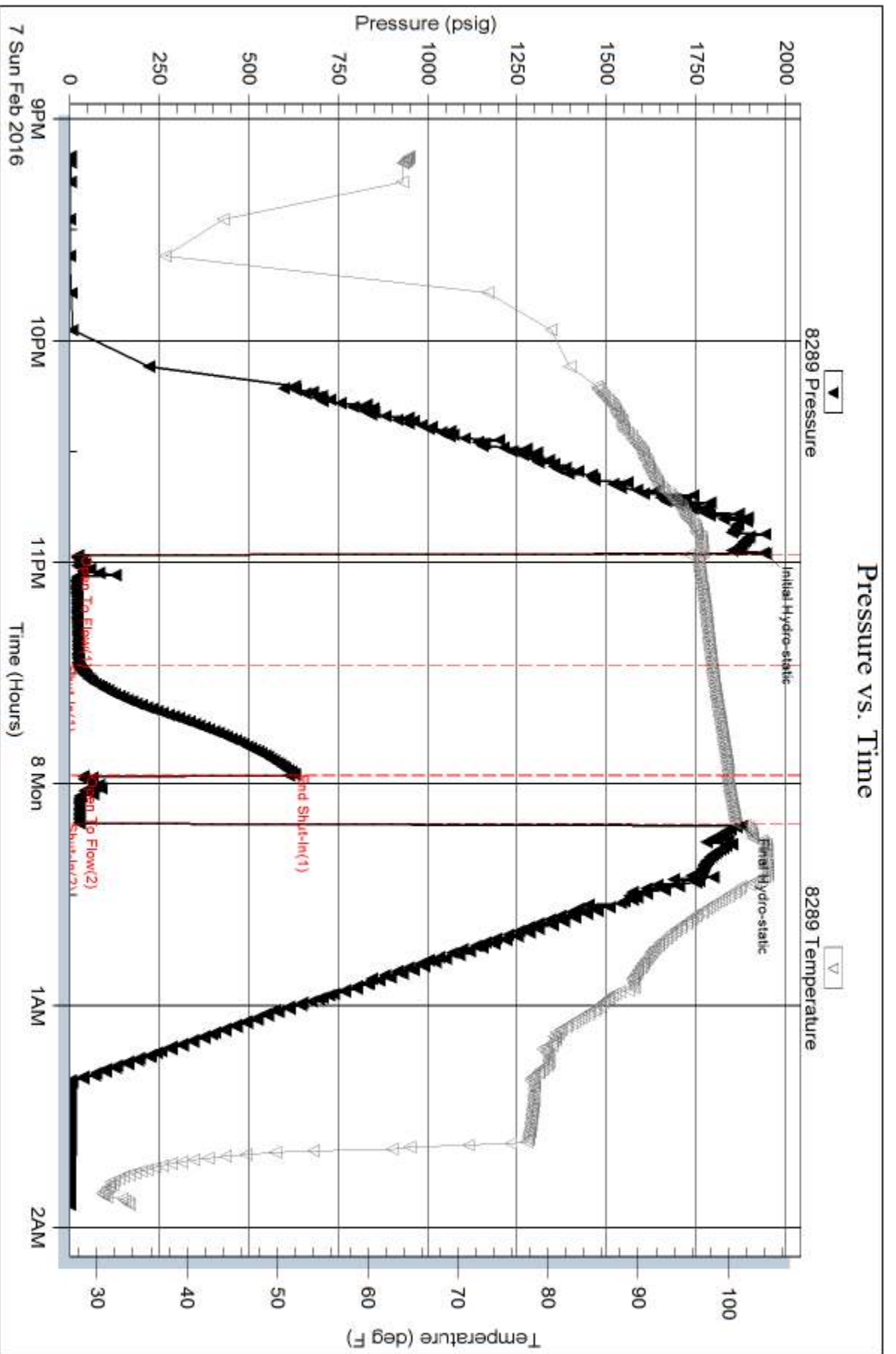
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



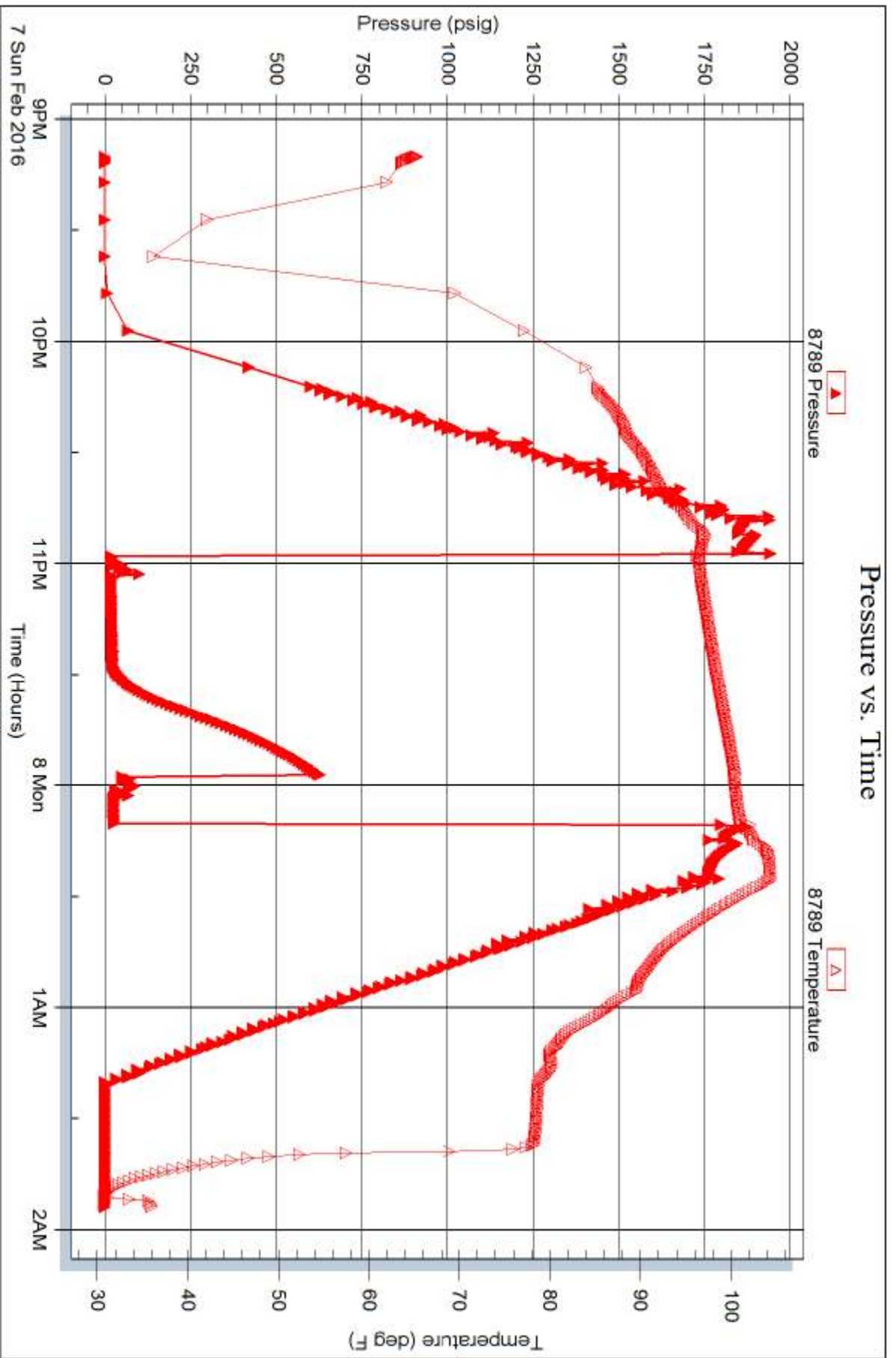
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Inside

Flatland Resources Corp.

Bennis #1-29

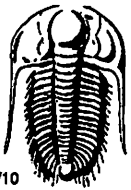
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 64760

Printed: 2016.02.09 @ 08:51:54



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64757

Well Name & No. Bemis #1-29 Test No. 1 Date 2-5-16
 Company FLATLAND Resources Corporation Elevation 2162 KB 2155 GL
 Address P.O. Box 763 Hays KS 67601
 Co. Rep / Geo. JASON T. ALM Rig Discovery #3
 Location: Sec. 29 Twp. 13^S Rge. 19^W Co. Ellis State KS

Interval Tested 3446 - 3535 Zone Tested Toronto - LKC "C"
 Anchor Length 89 Drill Pipe Run 3425 Mud Wt. 9.0
 Top Packer Depth 3441 Drill Collars Run 31 Vis 51
 Bottom Packer Depth 3446 Wt. Pipe Run 0 WL 8.8
 Total Depth 3535 Chlorides 4000 ppm System LCM 1

Blow Description IF - Surface Blow Building to 2 in. In 15 min.
ISI - No Blow
FF - Weak Surface Blow
FSI - No Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>95</u>	<u>Oil Speck 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 <u>95</u>	BHT <u>109</u>	Gravity	API RW	@	° F Chlorides ppm

- (A) Initial Hydrostatic 1718
- (B) First Initial Flow 51
- (C) First Final Flow 73
- (D) Initial Shut-In 778
- (E) Second Initial Flow 80
- (F) Second Final Flow 89
- (G) Final Shut-In 772
- (H) Final Hydrostatic 1697

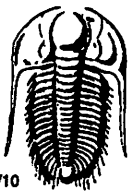
- Test 1050
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 29 29 RT
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1079

- T-On Location 17:40
- T-Started 19:30
- T-Open 21:37
- T-Pulled 00:37
- T-Out 02:25

- Comments
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1079
- MP/DST Disc't

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

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. 64758

Well Name & No. Bemis #1-29 Test No. 2 Date 2-6-16
 Company Flatland Resources Corporation Elevation 2162 KB 2154 GL
 Address P.O. Box 763 HAYS KS 67601
 Co. Rep / Geo. JASON T. ATM Rig Discovery #3
 Location: Sec. 29 Twp. 13S Rge. 19W Co. Ellis State KS

Interval Tested 3533-3585 Zone Tested LKC "D-F"
 Anchor Length 52 Drill Pipe Run 3488 Mud Wt. 9
 Top Packer Depth 3528 Drill Collars Run 31 Vis 50
 Bottom Packer Depth 3533 Wt. Pipe Run 0 WL 8.8
 Total Depth 3585 Chlorides 6000 ppm System LCM 1

Blow Description IF - Surface Blow Building to 2 3/4 in.
ISI - No Blow
FF - Weak Surface Blow
FSI - No Blow

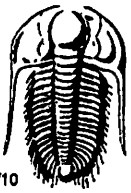
Rec	Feet of	%gas	%oil	%water	%mud
<u>57</u>	<u>0% Speck WCM</u>		<u>30</u>	<u>70</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 57 BHT 103 Gravity _____ API RW 1360 @ 48 °F Chlorides 28,000 ppm

(A) Initial Hydrostatic 1734 Test 1050 T-On Location 9:51
 (B) First Initial Flow 24 Jars _____ T-Started 9:52
 (C) First Final Flow 34 Safety Joint _____ T-Open 12:15
 (D) Initial Shut-In 685 Circ Sub _____ T-Pulled 14:15
 (E) Second Initial Flow 37 Hourly Standby _____ T-Out 15:50
 (F) Second Final Flow 40 Mileage 29 Comments _____
 (G) Final Shut-In 614 Sampler _____
 (H) Final Hydrostatic 1681 Straddle _____
 Ruined Shale Packer _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 30 Extra Packer _____
 Final Flow 30 Extra Recorder _____
 Final Shut-In 30 Day Standby _____
 Accessibility _____
 Sub Total 1079

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. 64759

Well Name & No. Bemis # 1-29 Test No. 3 Date 2-7-16
 Company Flatland Resources Corporation Elevation 2162 KB 2154 GL
 Address P.O. Box 763 Hays KS 67601
 Co. Rep / Geo. JASON T. ALM Rig Discovery #3
 Location: Sec. 29 Twp. 135 Rge. 19w Co. Ellis State KS

Interval Tested 3608-3700 Zone Tested LKC "H-K"
 Anchor Length 92 Drill Pipe Run 3584 Mud Wt. 9.0
 Top Packer Depth 3603 Drill Collars Run 31 Vis 50
 Bottom Packer Depth 3608 Wt. Pipe Run Ø WL 8.8
 Total Depth 3700 Chlorides 6000 ppm System LCM 1
 Blow Description IF - Surface Blow Building to 1/2 in. IN 20 min.
ISI - No Blow
FF - Hard Surge or Open - No Blow
FSI - Pulled

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Oil Speck 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 Total 10 BHT 101 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1790</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>1:15</u>
(B) First Initial Flow <u>23</u>	<input type="checkbox"/> Jars _____	T-Started <u>1:45</u>
(C) First Final Flow <u>26</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>4:07</u>
(D) Initial Shut-In <u>715</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>5:17</u>
(E) Second Initial Flow <u>28</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>7:07</u>
(F) Second Final Flow <u>28</u>	<input checked="" type="checkbox"/> Mileage <u>29</u>	Comments _____
(G) Final Shut-In _____	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1745</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In Pulled

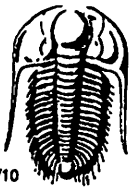
Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1079

Sub Total 1079

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. 64760

Well Name & No. Bemis # 1-29 Test No. 4 Date 2-7-16
 Company Flatland Resources Corporation Elevation 2162 KB 2154 GL
 Address P.O. Box 763 Hays KS 67601
 Co. Rep / Geo. JASON T. Alm Rig Discovery #3
 Location: Sec. 29 Twp. 13^s Rge. 19^w Co. Ellis State KS

Interval Tested 3798-3853 Zone Tested Arbuckle.
 Anchor Length 55 Drill Pipe Run 3774 Mud Wt. 9.2
 Top Packer Depth 3793 Drill Collars Run 31 Vis 47
 Bottom Packer Depth 3798 Wt. Pipe Run 0 WL 9.6
 Total Depth 3853 Chlorides 7000 ppm System LCM 1

Blow Description FF - 1/4 in Blow Died in 11 min.
ISI - No Blow
FF - Mud Surge on Open - No Blow
FSI - Pulled,

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OCM</u>	<u>15</u>		<u>85</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 5 BHT 102 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 1944 Test 1050 T-On Location 20:25
 (B) First Initial Flow 24 Jars _____ T-Started 21:10
 (C) First Final Flow 24 Safety Joint _____ T-Open 22:58
 (D) Initial Shut-In 628 Circ Sub _____ T-Pulled 00:10
 (E) Second Initial Flow 38 Hourly Standby _____ T-Out 01:54
 (F) Second Final Flow 28 Mileage 58 Comments _____
 (G) Final Shut-In _____ Sampler _____ loaded 2/8 14:05
 (H) Final Hydrostatic 1877 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1108
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1108

Initial Open 30
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In pulled

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.