

DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665-1731

ATTN: Chris Brungardt

Holland A #1

26-12s-15w Russell,KS

Start Date: 2013.05.26 @ 04:10:19

End Date: 2013.05.26 @ 10:27:43

Job Ticket #: 52082 DST #: 1

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

Printed: 2013.06.03 @ 08:55:44



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

ATTN: Chris Brungardt

Job Ticket: 52082

DST#: 1

Test Start: 2013.05.26 @ 04:10:19

GENERAL INFORMATION:

Formation: **LKC B-C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:09:14

Time Test Ended: 10:27:43

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 42

Interval: 2990.00 ft (KB) To 3040.00 ft (KB) (TVD)

Reference Elevations: 1802.00 ft (KB)

Total Depth: 3040.00 ft (KB) (TVD)

1797.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press @ Run Depth: 66.43 psig @ 3004.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.26

End Date:

2013.05.26

Last Calib.:

2013.05.26

Start Time:

04:10:19

End Time:

10:27:43

Time On Btm:

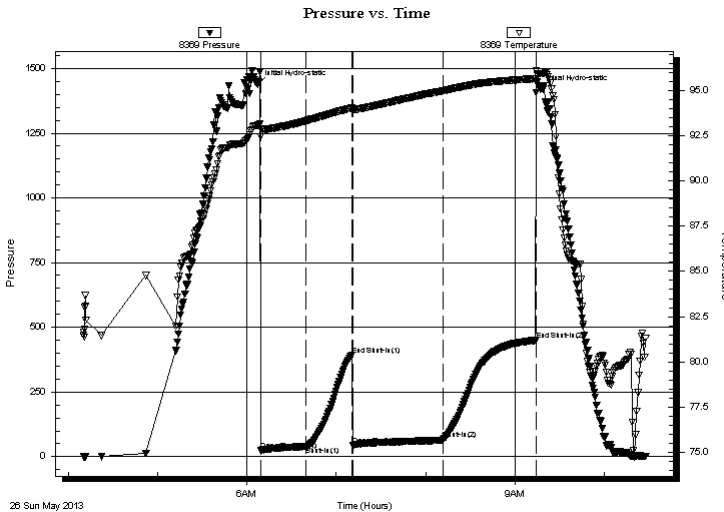
2013.05.26 @ 06:07:14

Time Off Btm:

2013.05.26 @ 09:16:58

TEST COMMENT: 30-IFP-w k to strg in 26 min
30-ISIP-vy w k surface bl for approx 10 min
60-FFP-w k to strg in 16 min
60-FSIP-vy w k surface bl for approx 10 min

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1438.83	93.07	Initial Hydro-static
2	24.59	92.44	Open To Flow (1)
33	39.81	93.31	Shut-In(1)
64	394.22	94.01	End Shut-In(1)
64	42.79	93.93	Open To Flow (2)
125	66.43	94.98	Shut-In(2)
187	449.89	95.65	End Shut-In(2)
190	1419.97	95.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	VGMO 55%G15%M30%O	0.44
30.00	HO&GCM30%G30%O40%M	0.21
0.00	405'GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52082

DST#: 1

ATTN: Chris Brungardt

Test Start: 2013.05.26 @ 04:10:19

Tool Information

Drill Pipe:	Length: 2617.00 ft	Diameter: 3.80 inches	Volume: 36.71 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 340.00 ft	Diameter: 2.70 inches	Volume: 2.41 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 39.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2990.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	71.00 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			2970.00	
Shut In Tool	5.00			2975.00	
Hydraulic tool	5.00			2980.00	
Packer	5.00			2985.00	21.00 Bottom Of Top Packer
Packer	5.00			2990.00	
Stubb	1.00			2991.00	
Perforations	13.00			3004.00	
Recorder	0.00	8369	Inside	3004.00	
Recorder	0.00	8700	Outside	3004.00	
Blank Spacing	33.00			3037.00	
Bullnose	3.00			3040.00	50.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52082

DST#: 1

ATTN: Chris Brungardt

Test Start: 2013.05.26 @ 04:10:19

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.08 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	VGMO 55%G15%M30%O	0.439
30.00	HO&GCM30%G30%O40%M	0.212
0.00	405'GIP	0.000

Total Length: 92.00 ft Total Volume: 0.651 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

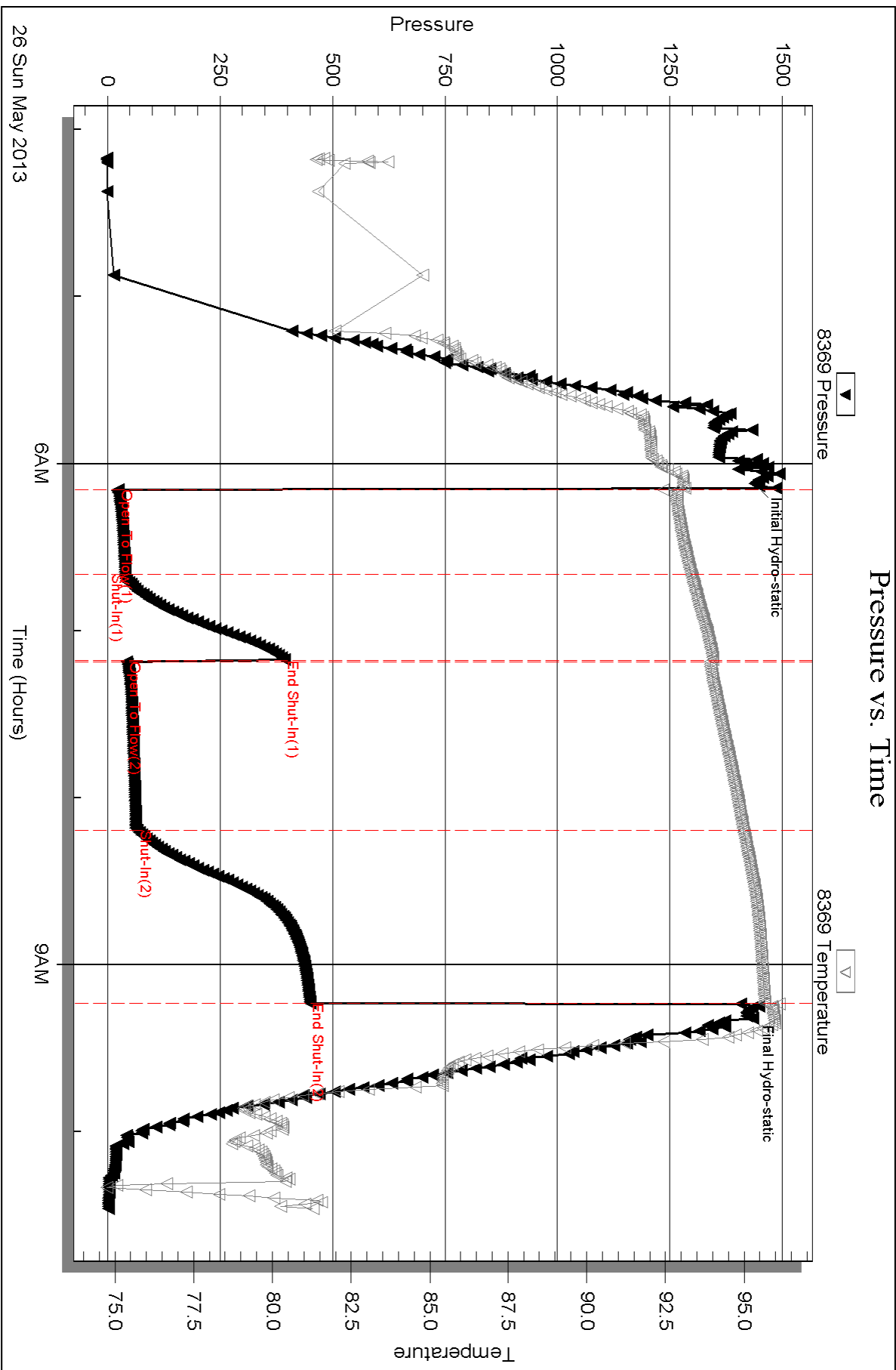
Serial #: 8369

Inside

Brungardt Oil & Leasing Inc

Holland A #1

DST Test Number: 1

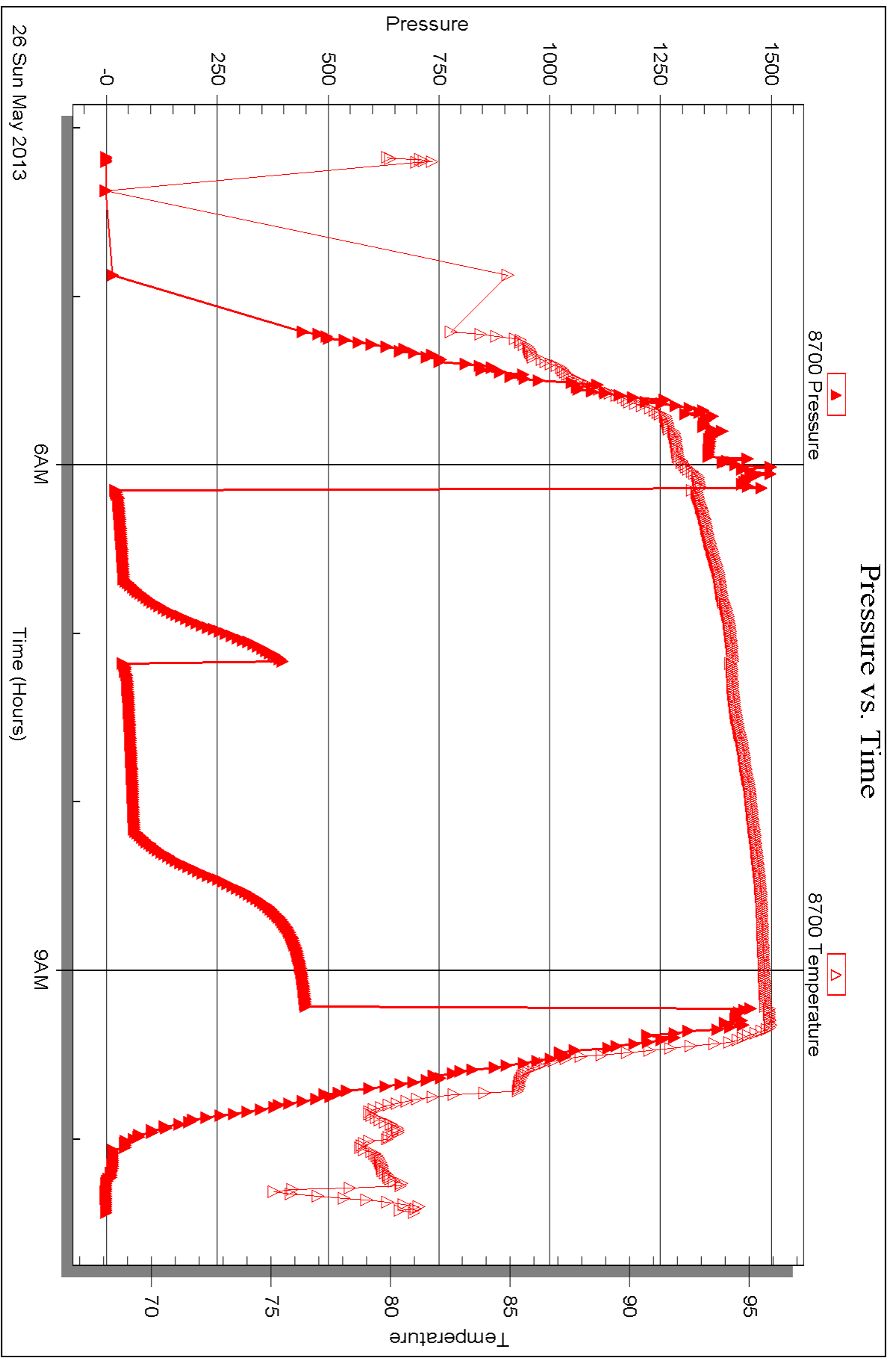


Serial #: 8700

Outside Brungardt Oil & Leasing Inc

Holland A #1

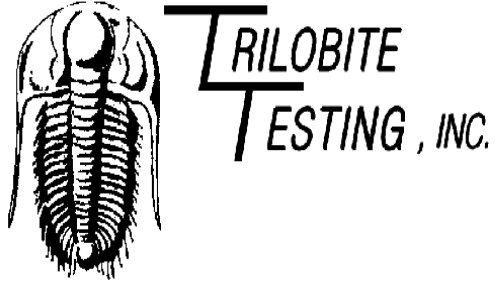
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 52082

Printed: 2013.05.03 @ 08:55:47



DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665-1731

ATTN: Chris Brungardt

Holland A #1

26-12s-15w Russell,KS

Start Date: 2013.05.26 @ 17:35:26

End Date: 2013.05.26 @ 23:33:50

Job Ticket #: 52083 DST #: 2

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

Printed: 2013.06.03 @ 08:55:01



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52083

DST#: 2

ATTN: Chris Brungardt

Test Start: 2013.05.26 @ 17:35:26

GENERAL INFORMATION:

Formation: **LKC E,F,G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:11:21

Time Test Ended: 23:33:50

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

Interval: 3035.00 ft (KB) To 3090.00 ft (KB) (TVD)

Reference Elevations: 1802.00 ft (KB)

Total Depth: 3090.00 ft (KB) (TVD)

1797.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press @ Run Depth: 134.69 psig @ 3037.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.26

End Date:

2013.05.26

Last Calib.:

2013.05.26

Start Time: 17:35:26

End Time:

23:33:50

Time On Btm:

2013.05.26 @ 19:09:51

Time Off Btm:

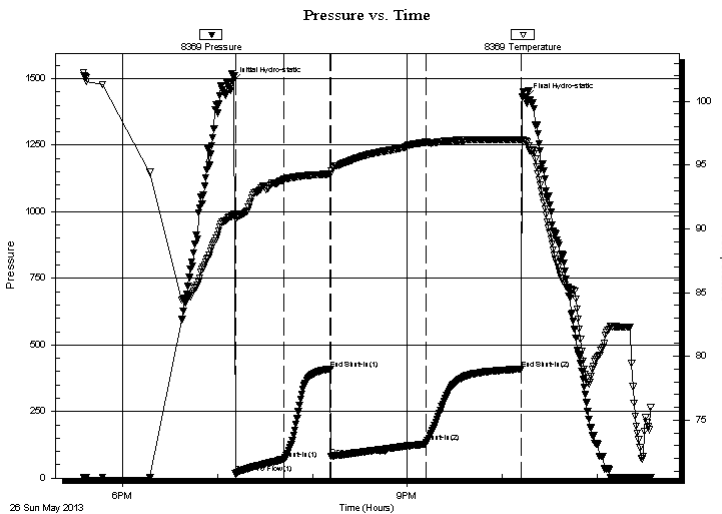
2013.05.26 @ 22:14:50

TEST COMMENT: 30-IFP-w k to a fr bl 1/4" to 4" bl

30-ISIP-no bl

60-FFP-w k bl thru-out 1/4" to 3" bl

60-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1489.31	91.09	Initial Hydro-static
2	16.44	90.81	Open To Flow (1)
33	70.35	93.88	Shut-In(1)
62	410.38	94.30	End Shut-In(1)
62	81.47	94.34	Open To Flow (2)
123	134.69	96.78	Shut-In(2)
183	408.85	96.97	End Shut-In(2)
185	1427.38	96.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	GCMW 5%G35%M60%W w/show of oil	0.88
80.00	GCWM 45%W55%M w/show of oil	0.57
0.00	60'GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52083

DST#: 2

ATTN: Chris Brungardt

Test Start: 2013.05.26 @ 17:35:26

Tool Information

Drill Pipe:	Length: 2649.00 ft	Diameter: 3.80 inches	Volume: 37.16 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 340.00 ft	Diameter: 2.70 inches	Volume: 2.41 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 39.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3035.00 ft			Final 37000.00 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			3015.00	
Shut In Tool	5.00			3020.00	
Hydraulic tool	5.00			3025.00	
Packer	5.00			3030.00	21.00 Bottom Of Top Packer
Packer	5.00			3035.00	
Stubb	1.00			3036.00	
Perforations	1.00			3037.00	
Recorder	0.00	8369	Inside	3037.00	
Recorder	0.00	8700	Outside	3037.00	
Blank Spacing	33.00			3070.00	
Perforations	17.00			3087.00	
Bullnose	3.00			3090.00	55.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52083

DST#: 2

ATTN: Chris Brungardt

Test Start: 2013.05.26 @ 17:35:26

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:

58000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.91 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 bbbl
124.00	GCMW 5%G35%M60%W w/show of oil	0.878
80.00	GCWM 45%W55%M w/show of oil	0.567
0.00	60'GIP	0.000

Total Length: 204.00 ft Total Volume: 1.445 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

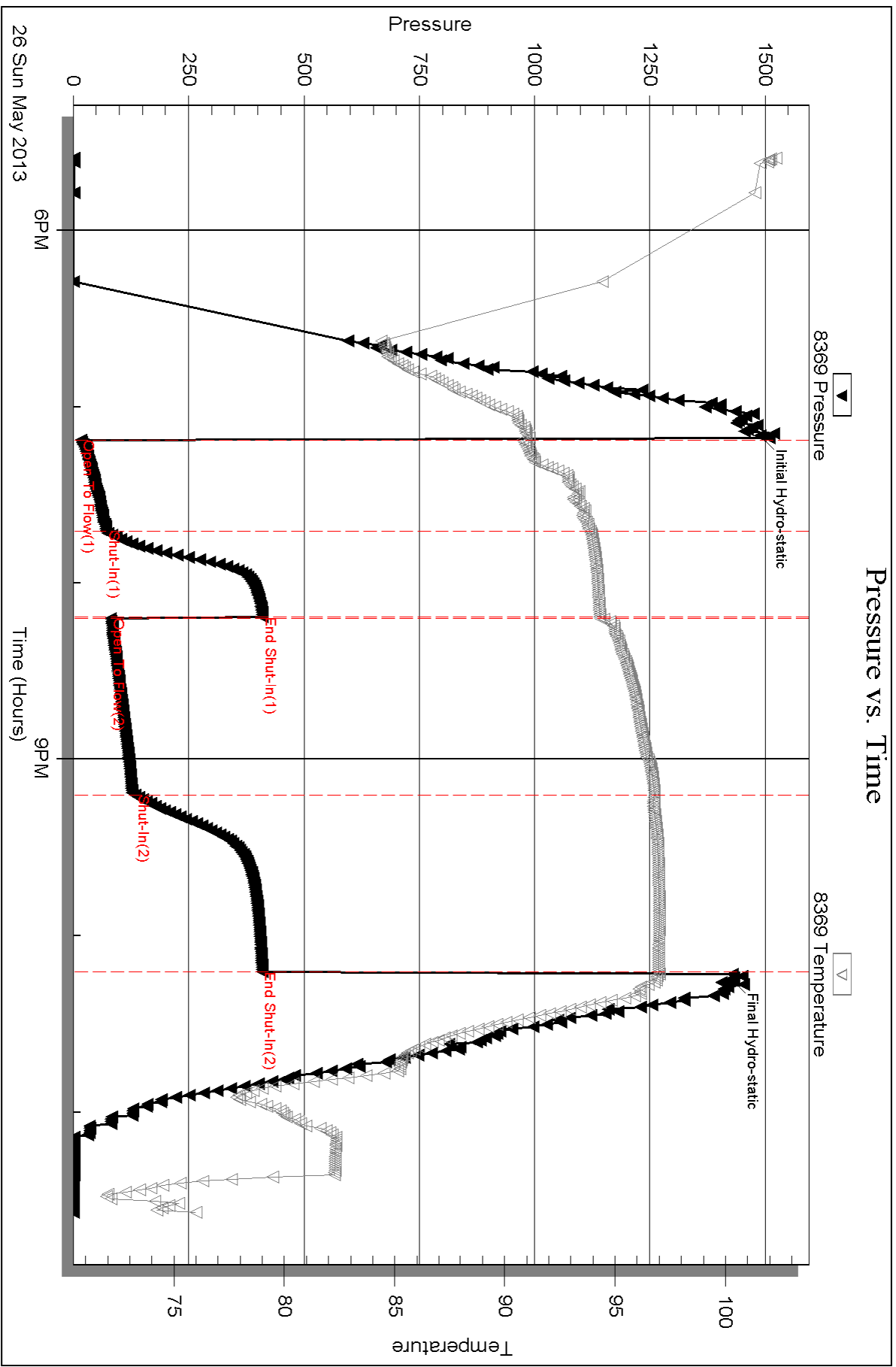
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .16 @ 55F

Pressure vs. Time



26 Sun May 2013

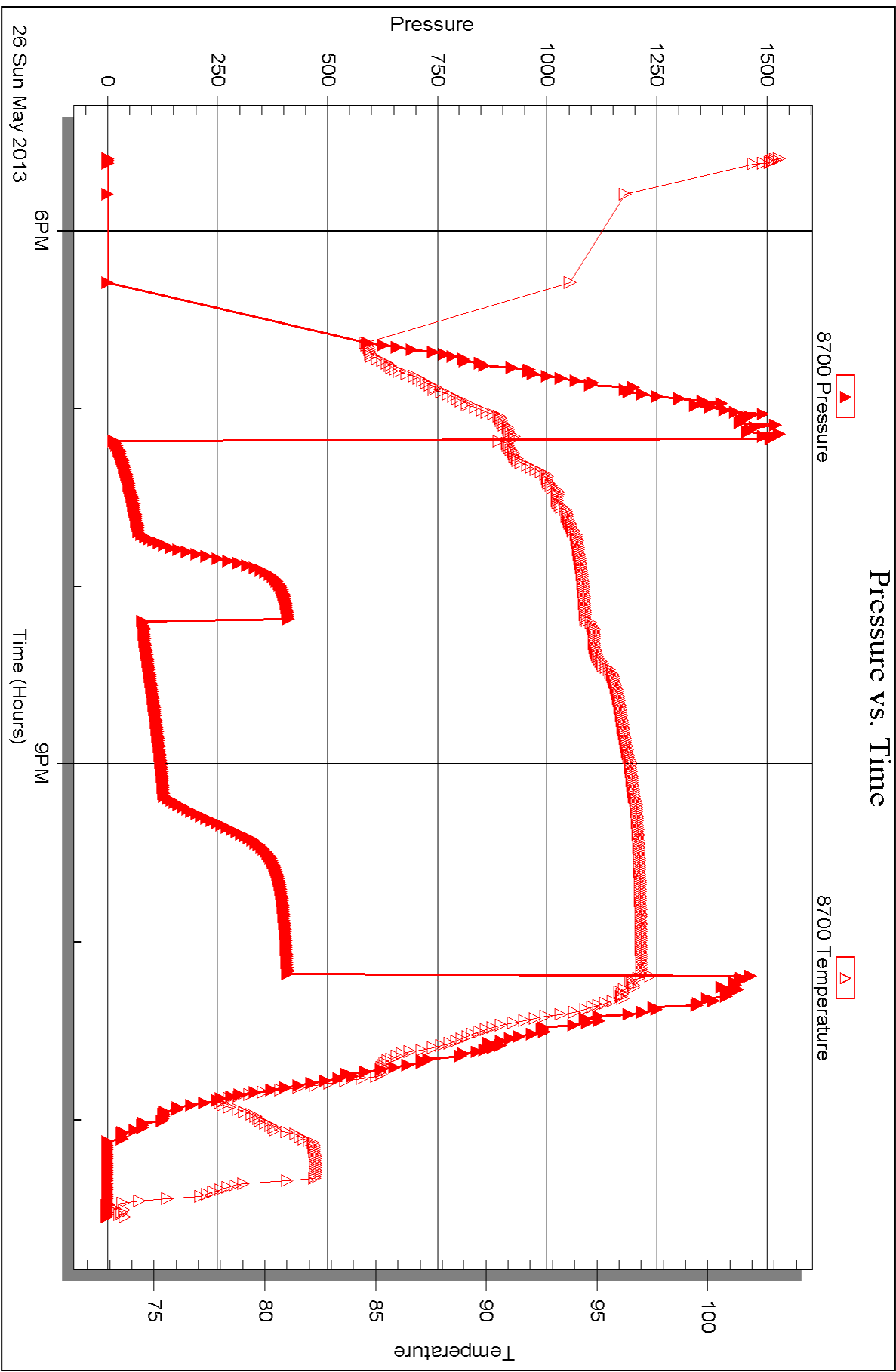
Time (Hours)

Serial #: 8700

Outside Brungardt Oil & Leasing Inc

Holland A #1

DST Test Number: 2

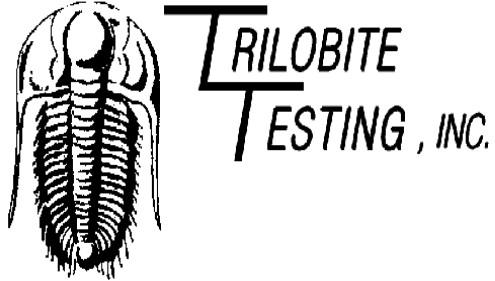


26 Sun May 2013

Triobite Testing, Inc

Ref. No: 52083

Printed: 2013.06.03 @ 08:55:04



DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665-1731

ATTN: Chris Brungardt

Holland A #1

26-12s-15w Russell,KS

Start Date: 2013.05.27 @ 10:35:57

End Date: 2013.05.27 @ 15:19:51

Job Ticket #: 52084 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.06.03 @ 08:54:14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52084

DST#: 3

ATTN: Chris Brungardt

Test Start: 2013.05.27 @ 10:35:57

GENERAL INFORMATION:

Formation: **LKC I-J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:06:22

Time Test Ended: 15:19:51

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 42

Interval: 3130.00 ft (KB) To 3180.00 ft (KB) (TVD)

Reference Elevations: 1802.00 ft (KB)

Total Depth: 3180.00 ft (KB) (TVD)

1797.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369 Inside

Press @ Run Depth: 34.25 psig @ 3144.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.27

End Date:

2013.05.27

Last Calib.:

2013.05.27

Start Time: 10:35:57

End Time:

15:19:51

Time On Btm:

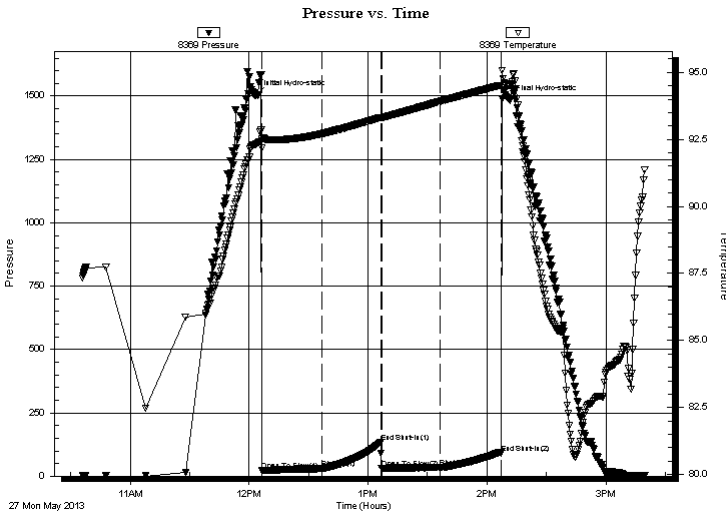
2013.05.27 @ 12:03:52

Time Off Btm:

2013.05.27 @ 14:11:22

TEST COMMENT: 30-IFP-surface bl thru-out
30-ISIP-no bl
30-FFP-w k bl thru-out 1/4" bl
30-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1504.95	92.32	Initial Hydro-static
3	22.14	92.17	Open To Flow (1)
33	29.75	92.71	Shut-In(1)
63	135.02	93.32	End Shut-In(1)
63	29.83	93.30	Open To Flow (2)
93	34.25	93.91	Shut-In(2)
124	91.99	94.52	End Shut-In(2)
128	1484.93	94.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	OCM 7%O93%M	0.14

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52084

DST#: 3

ATTN: Chris Brungardt

Test Start: 2013.05.27 @ 10:35:57

Tool Information

Drill Pipe:	Length: 2744.00 ft	Diameter: 3.80 inches	Volume: 38.49 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 340.00 ft	Diameter: 2.70 inches	Volume: 2.41 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 41.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3130.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	71.00 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			3110.00	
Shut In Tool	5.00			3115.00	
Hydraulic tool	5.00			3120.00	
Packer	5.00			3125.00	21.00 Bottom Of Top Packer
Packer	5.00			3130.00	
Stubb	1.00			3131.00	
Perforations	13.00			3144.00	
Recorder	0.00	8369	Inside	3144.00	
Recorder	0.00	8700	Outside	3144.00	
Blank Spacing	33.00			3177.00	
Bullnose	3.00			3180.00	50.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52084

DST#: 3

ATTN: Chris Brungardt

Test Start: 2013.05.27 @ 10:35:57

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.72 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	OCM 7%O93%M	0.142

Total Length: 20.00 ft Total Volume: 0.142 bbl

Num Fluid Samples: 0

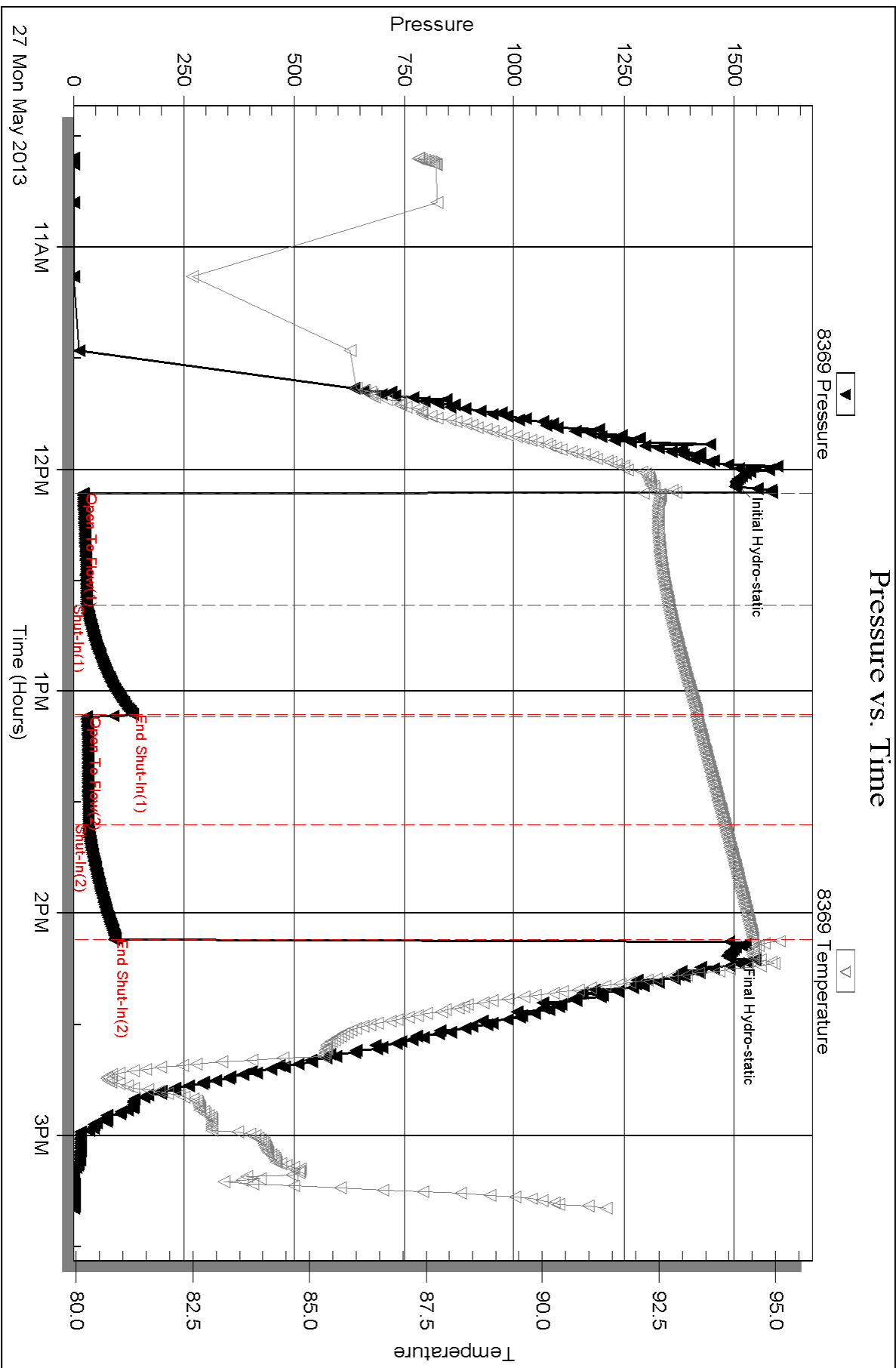
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

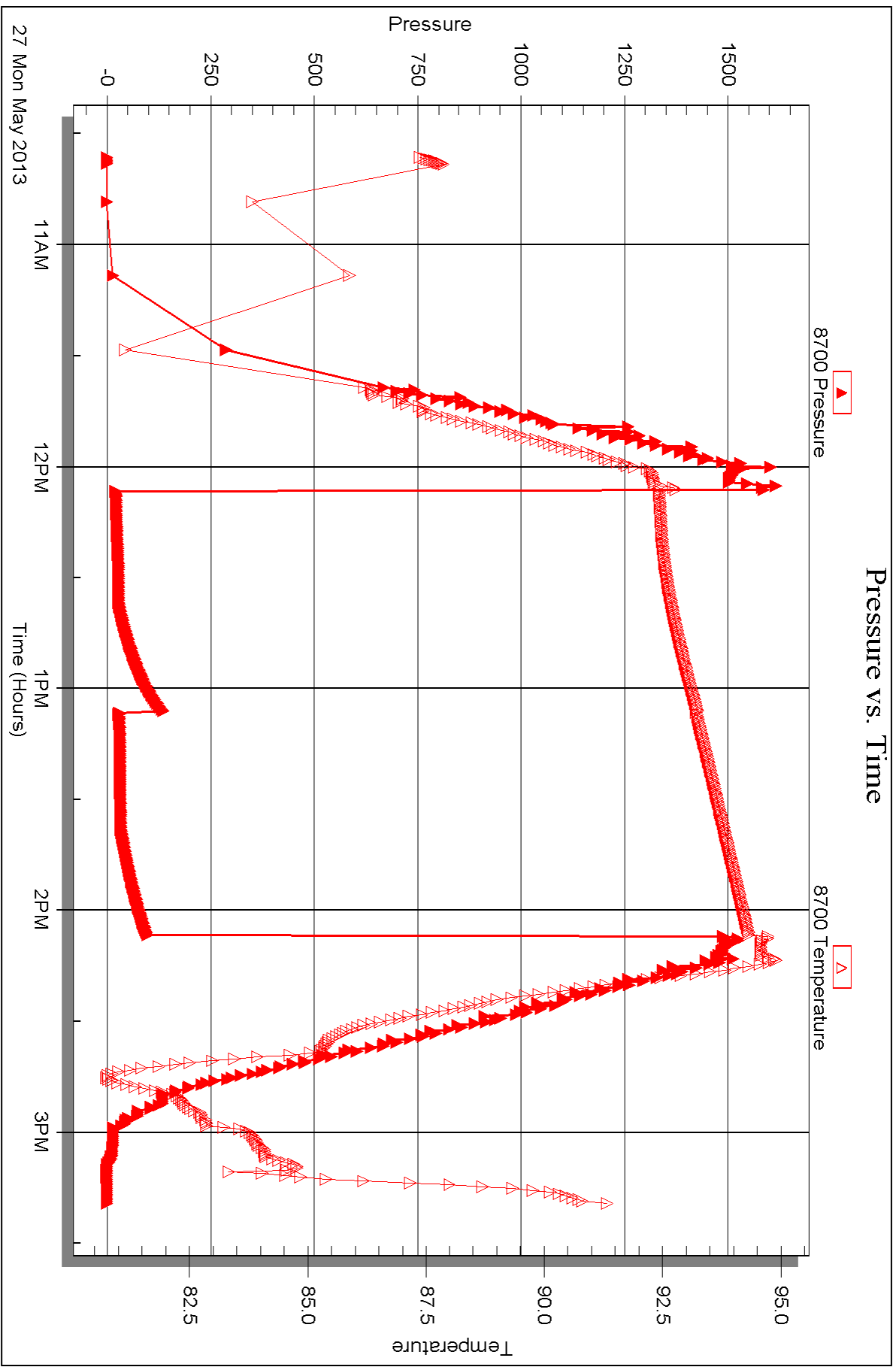


Serial #: 8700

Outside Brungardt Oil & Leasing Inc

Holland A #1

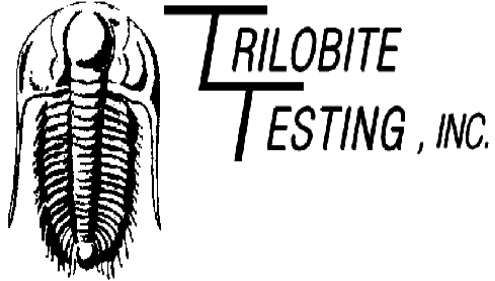
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 52084

Printed: 2013.06.03 @ 08:54:17



DRILL STEM TEST REPORT

Prepared For: **Brungardt Oil & Leasing Inc**

PO Box 871
Russell KS 67665-1731

ATTN: Chris Brungardt

Holland A #1

26-12s-15w Russell,KS

Start Date: 2013.05.28 @ 09:10:14

End Date: 2013.05.28 @ 13:37:38

Job Ticket #: 52085 DST #: 4

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

Printed: 2013.06.03 @ 08:53:35



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52085

DST#: 4

ATTN: Chris Brungardt

Test Start: 2013.05.28 @ 09:10:14

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:29:09

Time Test Ended: 13:37:38

Test Type: Conventional Straddle (Reset)

Tester: Ray Schwager

Unit No: 42

Interval: 3226.00 ft (KB) To 3270.00 ft (KB) (TVD)

Reference Elevations: 1802.00 ft (KB)

Total Depth: 3329.00 ft (KB) (TVD)

1797.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press @ Run Depth: 20.40 psig @ 3228.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.05.28

End Date:

2013.05.28

Last Calib.:

2013.05.28

Start Time: 09:10:14

End Time:

13:37:38

Time On Btm:

2013.05.28 @ 10:27:24

Time Off Btm:

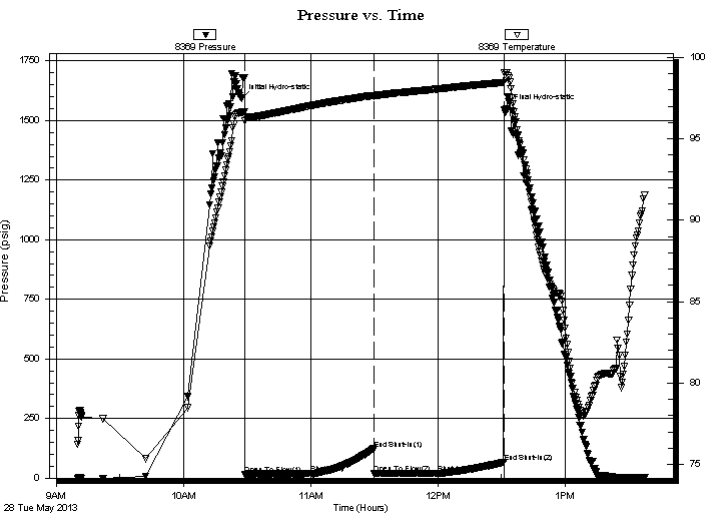
2013.05.28 @ 12:32:24

TEST COMMENT: 30-IFP-surface bl thru-out

30-ISIP-no bl

30-FFP-no bl

30-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1590.51	96.61	Initial Hydro-static
2	16.36	96.11	Open To Flow (1)
33	18.91	97.04	Shut-In(1)
63	120.76	97.67	End Shut-In(1)
63	18.60	97.61	Open To Flow (2)
93	20.40	98.06	Shut-In(2)
124	66.95	98.48	End Shut-In(2)
125	1549.44	99.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud w/show of oil	0.01

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Brungardt Oil & Leasing Inc

26-12s-15w Russell,KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52085

DST#: 4

ATTN: Chris Brungardt

Test Start: 2013.05.28 @ 09:10:14

Tool Information

Drill Pipe:	Length: 2841.00 ft	Diameter: 3.80 inches	Volume: 39.85 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 340.00 ft	Diameter: 2.70 inches	Volume: 2.41 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 42.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3226.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	3270.00 ft			
Interval between Packers:	44.00 ft			
Tool Length:	129.00 ft			
Number of Packers:	3	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			3206.00	
Shut In Tool	5.00			3211.00	
Hydraulic tool	5.00			3216.00	
Packer	5.00			3221.00	21.00 Bottom Of Top Packer
Packer	5.00			3226.00	
Stubb	1.00			3227.00	
Perforations	1.00			3228.00	
Recorder	0.00	8369	Inside	3228.00	
Recorder	0.00	8700	Outside	3228.00	
Blank Spacing	33.00			3261.00	
Perforations	5.00			3266.00	
Blank Off Sub	1.00			3267.00	
Blank Spacing	3.00			3270.00	44.00 Tool Interval
Packer	5.00			3275.00	
Stubb	1.00			3276.00	
Perforations	22.00			3298.00	
Recorder	0.00	8374	Below	3298.00	
Blank Spacing	33.00			3331.00	
Bullnose	3.00			3334.00	64.00 Bottom Packers & Anchor

Total Tool Length: 129.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Brungardt Oil & Leasing Inc

26-12s-15w Russell, KS

PO Box 871
Russell KS 67665-1731

Holland A #1

Job Ticket: 52085

DST#: 4

ATTN: Chris Brungardt

Test Start: 2013.05.28 @ 09:10:14

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud w/show of oil	0.014

Total Length: 2.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

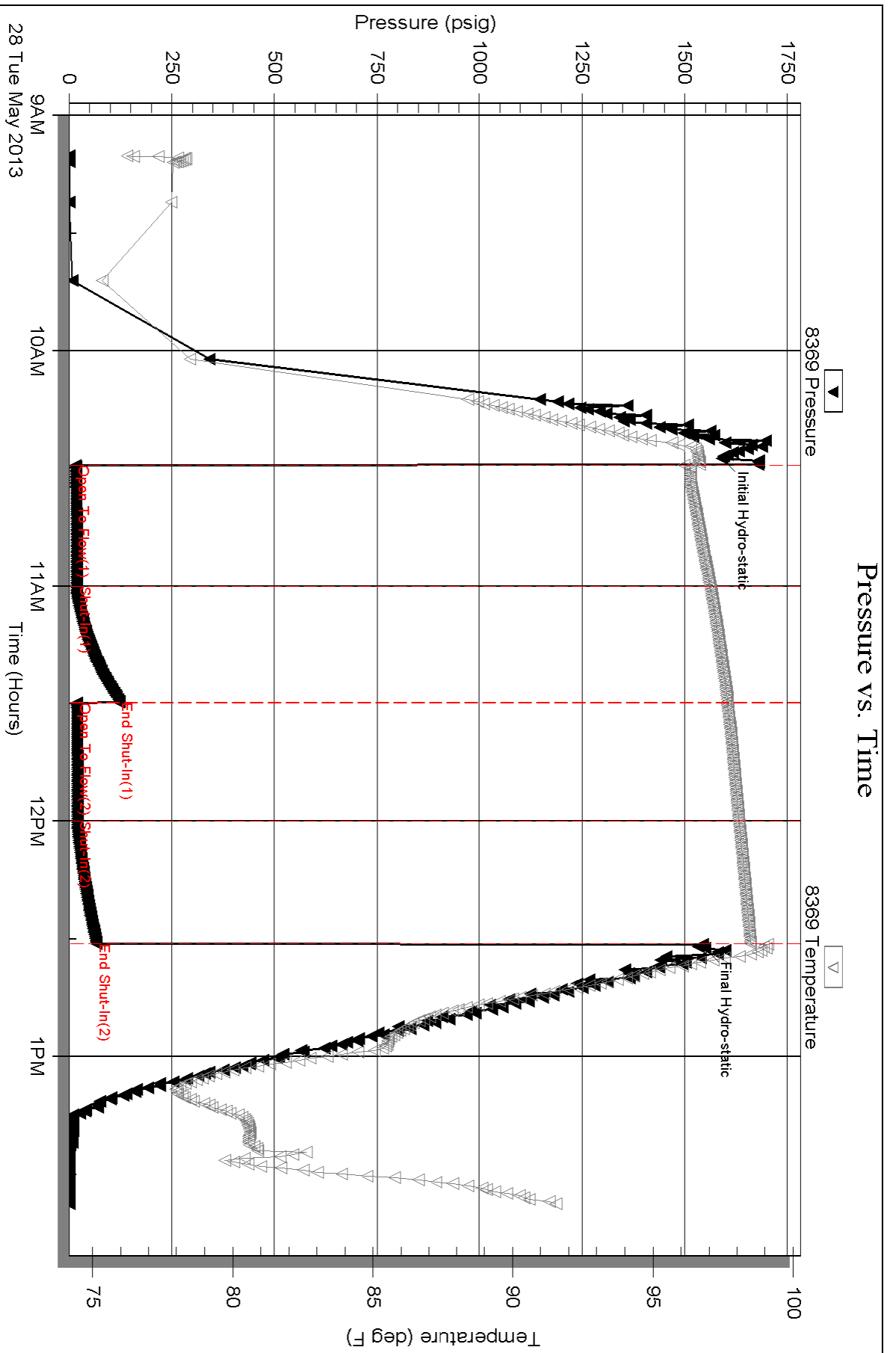
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

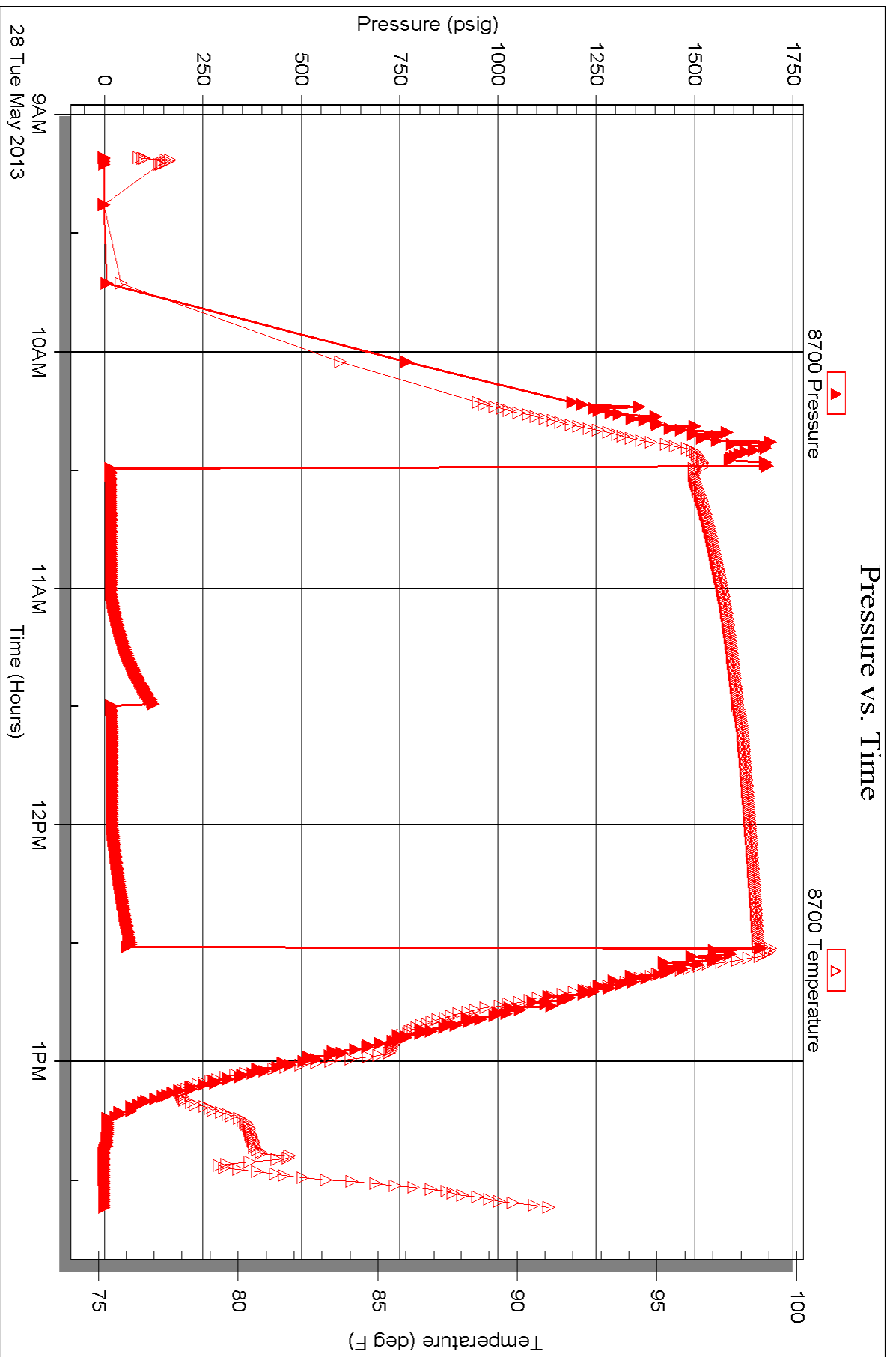


Serial #: 8700

Outside Brungardt Oil & Leasing Inc

Holland A #1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 52085

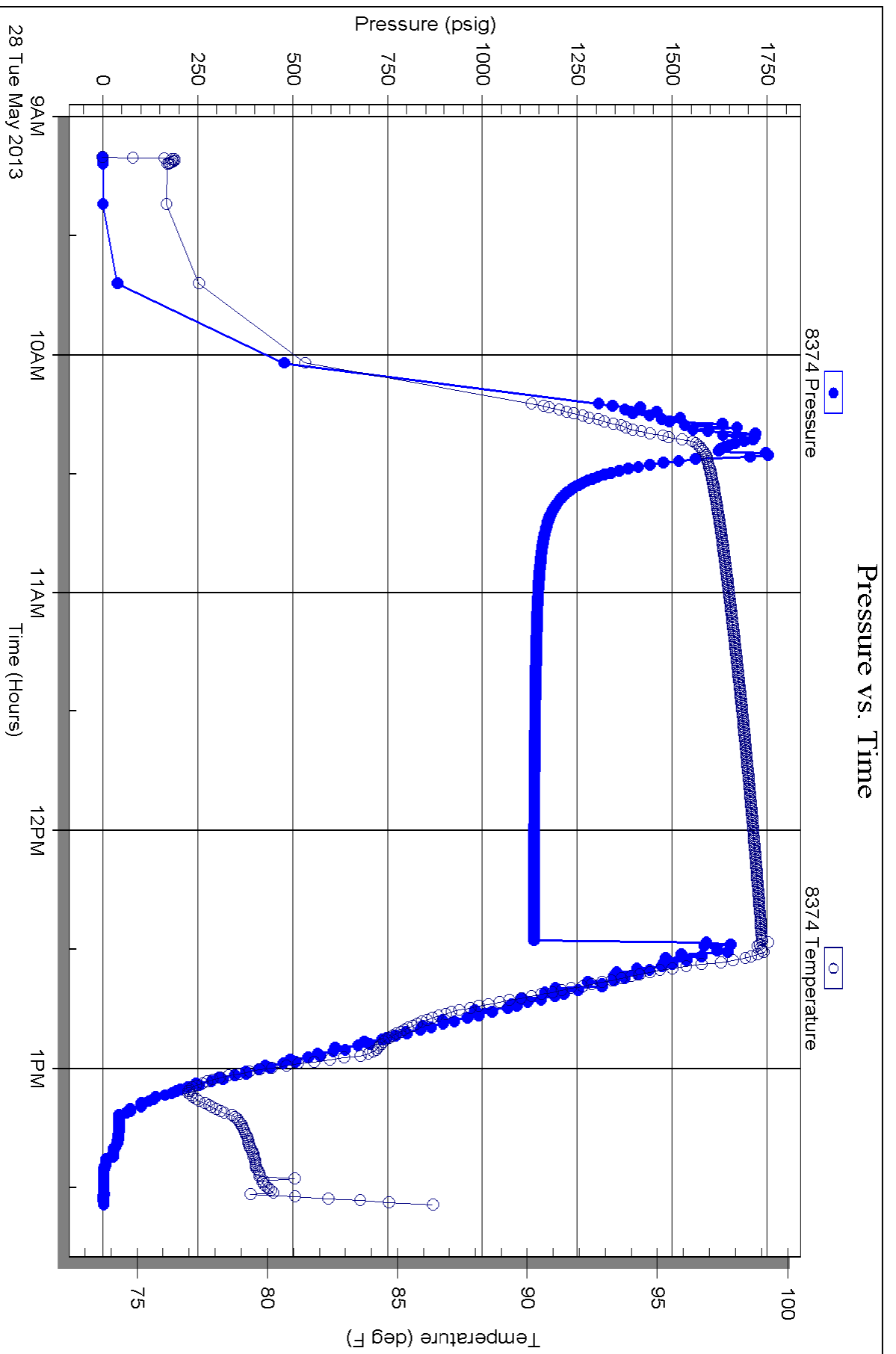
Printed: 2013.06.03 @ 08:53:39

Serial #: 8374

Below (Stratfield) Oil & Leasing Inc

Holland A #1

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52082

Well Name & No. Holland A #1 Test No. 1 Date 5-26-13
 Company Brungard Oil & Leasing Inc Elevation 1802 KB 1797 GL
 Address PO Box 871 Russell, Ks 67665-1731
 Co. Rep / Geo. Brad Hutchison Rig Shields rig 1
 Location: Sec. 26 Twp. 12^s Rge. 15^w Co. Russell State Ks

Interval Tested 2990-3040 Zone Tested LKC A-C
 Anchor Length 50 Drill Pipe Run 2617 Mud Wt. 9.2
 Top Packer Depth 2985 Drill Collars Run 30 Vis 55
 Bottom Packer Depth 2990 Wt. Pipe Run 340 WL 8.2
 Total Depth 3040 Chlorides 6800 ppm System LCM -

Blow Description IFP - WEAK TO STRONG IN 26 MIN
ISIP - Very WK surface Blow
FFP - WEAK TO STRONG IN 16 MIN
FSIP - Very WK surface Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>405</u>	<u>Feet of GIP</u>				
<u>62</u>	<u>Feet of V6MO</u>	<u>55</u>	<u>30</u>		<u>15</u>
<u>30</u>	<u>Feet of HO+GCM</u>	<u>30</u>	<u>30</u>		<u>40</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

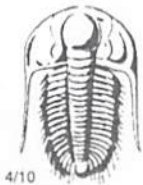
Rec Total 92 BHT 95 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1438 Test 1150 T-On Location 0330
 (B) First Initial Flow 24 Jars T-Started 0410
 (C) First Final Flow 39 Safety Joint T-Open 0610
 (D) Initial Shut-In 394 Circ Sub T-Pulled 0910
 (E) Second Initial Flow 42 Hourly Standby T-Out 1027
 (F) Second Final Flow 66 Mileage 54 RT 83.70 Comments _____
 (G) Final Shut-In 449 Sampler _____
 (H) Final Hydrostatic 1419 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 30 Extra Packer _____
 Initial Shut-In 30 Extra Recorder _____
 Final Flow 60 Day Standby _____
 Final Shut-In 60 Accessibility _____
 Sub Total 1233.70 MP/DST Disc't _____

Approved By _____ Our Representative Ray Schwager Thank you

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. 52083

Well Name & No. Holland A#1 Test No. 2 Date 5-26-13
 Company BRUNGARDT OIL & LEASING INC Elevation 1802 KB 1797 GL
 Address PO Box 871 Russell, Ko 67665-1731
 Co. Rep / Geo. BRAD HUTCHISON Rig Shields rig 1
 Location: Sec. 26 Twp. 12^s Rge. 15^w Co. Russell State Ko

Interval Tested 3035-3090 Zone Tested LKC E, F, G
 Anchor Length 55 Drill Pipe Run 2649 Mud Wt. 9
 Top Packer Depth 3030 Drill Collars Run 30 Vis 53
 Bottom Packer Depth 3035 Wt. Pipe Run 340 WL 9
 Total Depth 3090 Chlorides 7000 ppm System LCM -

Blow Description IFP - WEAK TO A FAIR BLOW 1/4" TO 4" BLOW
TSIP - NO BLOW
FFP - WEAK BLOW THEN-OUT 1/4" TO 3" BLOW
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GI P</u>				
<u>80</u>	<u>WM w/show of oil</u>			<u>45</u>	<u>55</u>
<u>124</u>	<u>GC MW</u>	<u>5</u>		<u>60</u>	<u>35</u>
	<u>w/show of oil</u>				

Rec Total 204 BHT 97 Gravity - API RW .16 @ 55 °F Chlorides 58000 ppm

(A) Initial Hydrostatic 1489 Test 1150 T-On Location 1705
 (B) First Initial Flow 16 Jars 1735
 (C) First Final Flow 70 Safety Joint 1910
 (D) Initial Shut-In 410 Circ Sub 2210
 (E) Second Initial Flow 81 Hourly Standby 2333
 (F) Second Final Flow 134 Mileage 54RT 83.70
 (G) Final Shut-In 408 Sampler
 (H) Final Hydrostatic 1427 Straddle
 Shale Packer
 Ruined Shale Packer
 Ruined Packer

Initial Open 30 Extra Packer
 Initial Shut-In 30 Extra Recorder
 Final Flow 60 Day Standby
 Final Shut-In 60 Accessibility
 Sub Total 1233.70

Approved By _____ Our Representative RAY SCHWAGER *Thank you*
 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. 52084

Well Name & No. Holland A #1 Test No. 3 Date 5-27-13
 Company BRUNGARDT OIL + Leasing Inc Elevation 1802 KB 1797 GL
 Address PO Box 871 Russell, Ks 67665-1731
 Co. Rep / Geo. BRAD HUTCHISON Rig Shields rig 1
 Location: Sec. 26 Twp. 12^s Rge. 15^w Co. Russell State Ks

Interval Tested 3130 - 3180 Zone Tested LKC I, J
 Anchor Length 50 Drill Pipe Run 2744 Mud Wt. 9.2
 Top Packer Depth 3125 Drill Collars Run 30 Vis 48
 Bottom Packer Depth 3130 Wt. Pipe Run 340 WL 9.8
 Total Depth 3180 Chlorides 8200 ppm System LCM -

Blow Description IFP - Weak surface Blow thru-out
ISTP - NO BLOW
FFP - Weak Blow thru-out 1/4" Blow
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>DCM</u>		<u>7</u>		<u>93</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 20 BHT 94 Gravity - API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic	<u>1504</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>1010</u>
(B) First Initial Flow	<u>22</u>	<input type="checkbox"/> Jars		T-Started	<u>1025</u>
(C) First Final Flow	<u>29</u>	<input type="checkbox"/> Safety Joint		T-Open	<u>1205</u>
(D) Initial Shut-In	<u>135</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>1405</u>
(E) Second Initial Flow	<u>29</u>	<input type="checkbox"/> Hourly Standby		T-Out	<u>1519</u>
(F) Second Final Flow	<u>34</u>	<input checked="" type="checkbox"/> Mileage	<u>54 RT</u> 83.70	Comments	
(G) Final Shut-In	<u>91</u>	<input type="checkbox"/> Sampler			
(H) Final Hydrostatic	<u>1484</u>	<input type="checkbox"/> Straddle		<input type="checkbox"/> Ruined Shale Packer	
		<input type="checkbox"/> Shale Packer		<input type="checkbox"/> Ruined Packer	

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

Sub Total 1233.70

Approved By _____ Our Representative RAY SELWAGER *Thank you*

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52085

Well Name & No. Holland A#1 Test No. 4 Date 5-28-13
 Company BRUNGARDT OIL LEASING INC Elevation 1802 KB 1797 GL
 Address PO Box 871 Russell, Ks 67665-1731
 Co. Rep / Geo. BRAD HUTCHISON Rig Shields rig 1
 Location: Sec. 26 Twp. 12^s Rge. 15^w Co. Russell State Ks

Interval Tested 3226-3270 Zone Tested ARBuckle
 Anchor Length 44 Drill Pipe Run 2841 Mud Wt. 9.3
 Top Packer Depth 3226-3221 Drill Collars Run 30 Vis 53
 Bottom Packer Depth 3270 Wt. Pipe Run 340 WL 10.4
 Total Depth 3329 Chlorides 9200 ppm System LCM 2#

Blow Description IFP - SURFACE BLOW THRU-OUT
ISIP - NO BLOW
FFP - NO BLOW
FSIP - NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>Mud</u>				
	<u>w/show of oil</u>				

Rec Total 2 BHT 98 Gravity - API RW - @ - ° F Chlorides - ppm

(A) Initial Hydrostatic 1590 Test 1150 T-On Location 0840
 (B) First Initial Flow 16 Jars - T-Started 0910
 (C) First Final Flow 18 Safety Joint - T-Open 1030
 (D) Initial Shut-In 120 Circ Sub - T-Pulled 1280
 (E) Second Initial Flow 18 Hourly Standby - T-Out 1337
 (F) Second Final Flow 20 Mileage 54RT 83.70 Comments -
 (G) Final Shut-In 66 Sampler -
 (H) Final Hydrostatic 1549 Straddle 600 Ruined Shale Packer -

Initial Open 30 Shale Packer - Ruined Packer -
 Initial Shut-In 30 Extra Packer - Extra Copies -
 Final Flow 30 Extra Recorder - Sub Total 0
 Final Shut-In 30 Day Standby - Total 1833.70
 Accessibility - MP/DST Disc't -
 Sub Total 1833.70

Approved By _____ Our Representative RAY SCHWAGER Thank you

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