



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout ST STE 1500
Denver CO 80202

ATTN: Tim Lauer

Kollman #17-1

17-7s-18w Rooks,KS

Start Date: 2013.07.13 @ 16:10:45

End Date: 2013.07.13 @ 21:44:00

Job Ticket #: 53992 DST #: 1

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

Printed: 2013.07.16 @ 14:04:15



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coral Production Corp.

17-7s-18w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53992

DST#: 1

ATTN: Tim Lauer

Test Start: 2013.07.13 @ 16:10:45

GENERAL INFORMATION:

Formation: **Toronto-Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:58:15

Time Test Ended: 21:44:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 54

Interval: 3126.00 ft (KB) To 3196.00 ft (KB) (TVD)

Reference Elevations: 1973.00 ft (KB)

Total Depth: 3195.00 ft (KB) (TVD)

1968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8789

Inside

Press @ Run Depth: 41.57 psig @ 3139.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.13

End Date:

2013.07.13

Last Calib.:

2013.07.13

Start Time: 16:10:47

End Time:

21:44:00

Time On Btm:

2013.07.13 @ 17:58:00

Time Off Btm:

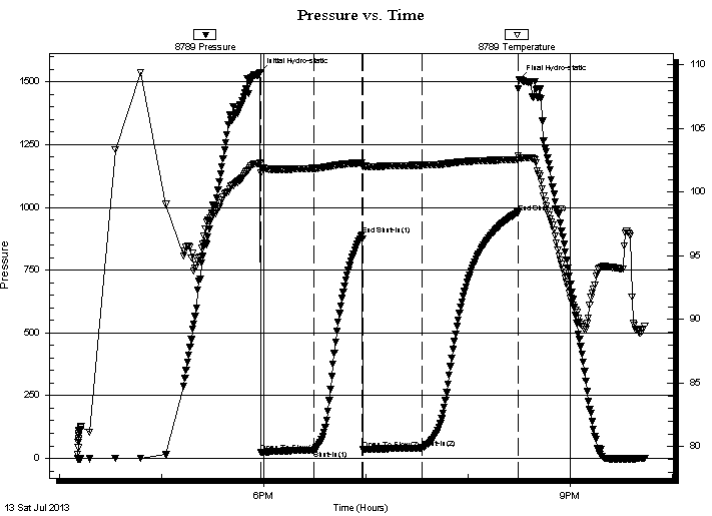
2013.07.13 @ 20:30:15

TEST COMMENT: Weak surface blow died in 10 mins.

Dead no blow back

Dead no blow

Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1537.46	102.29	Initial Hydro-static
1	23.51	101.50	Open To Flow (1)
32	33.44	101.87	Shut-In(1)
60	890.91	102.31	End Shut-In(1)
61	37.22	102.00	Open To Flow (2)
95	41.57	102.12	Shut-In(2)
152	979.56	102.56	End Shut-In(2)
153	1508.67	102.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	5%O 95%M	0.30

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corp.

17-7s-18w Rooks, KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53992

DST#: 1

ATTN: Tim Lauer

Test Start: 2013.07.13 @ 16:10:45

GENERAL INFORMATION:

Formation: **Toronto-Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:58:15

Time Test Ended: 21:44:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 54

Interval: 3126.00 ft (KB) To 3196.00 ft (KB) (TVD)

Total Depth: 3195.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1973.00 ft (KB)

1968.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6668 Outside

Press @ Run Depth: psig @ 3139.00 ft (KB)

Start Date: 2013.07.13

End Date: 2013.07.13

Capacity: 8000.00 psig

Last Calib.: 2013.07.13

Start Time: 16:10:09

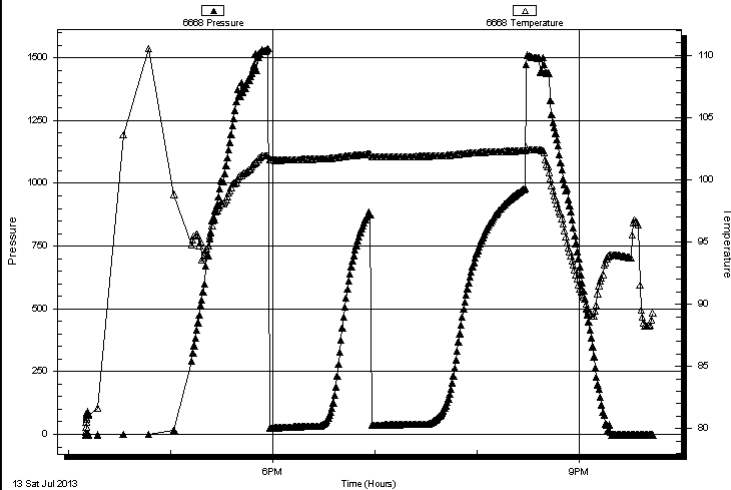
End Time: 21:43:22

Time On Btm:

Time Off Btm:

TEST COMMENT: Weak surface blow died in 10 mins.
Dead no blow back
Dead no blow
Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
40.00	5%O 95%M	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp.

17-7s-18w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53992

DST#: 1

ATTN: Tim Lauer

Test Start: 2013.07.13 @ 16:10:45

Tool Information

Drill Pipe:	Length: 3103.00 ft	Diameter: 3.80 inches	Volume: 43.53 bbl	Tool Weight: 2000.00 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 63000.00 lb
			<u>Total Volume: 43.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	3136.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	82.00 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			3114.00	
Shut In Tool	5.00			3119.00	
Hydraulic tool	5.00			3124.00	
Safety Joint	2.00			3126.00	
Packer	5.00			3131.00	23.00 Bottom Of Top Packer
Packer	5.00			3136.00	
Stubb	1.00			3137.00	
Perforations	2.00			3139.00	
Recorder	0.00	8789	Inside	3139.00	
Recorder	0.00	6668	Outside	3139.00	
Perforations	20.00			3159.00	
Change Over Sub	1.00			3160.00	
Drill Pipe	31.00			3191.00	
Change Over Sub	1.00			3192.00	
Bullnose	3.00			3195.00	59.00 Bottom Packers & Anchor

Total Tool Length: 82.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

17-7s-18w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53992

DST#: 1

ATTN: Tim Lauer

Test Start: 2013.07.13 @ 16:10:45

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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	5%O 95%M	0.297

Total Length: 40.00 ft Total Volume: 0.297 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

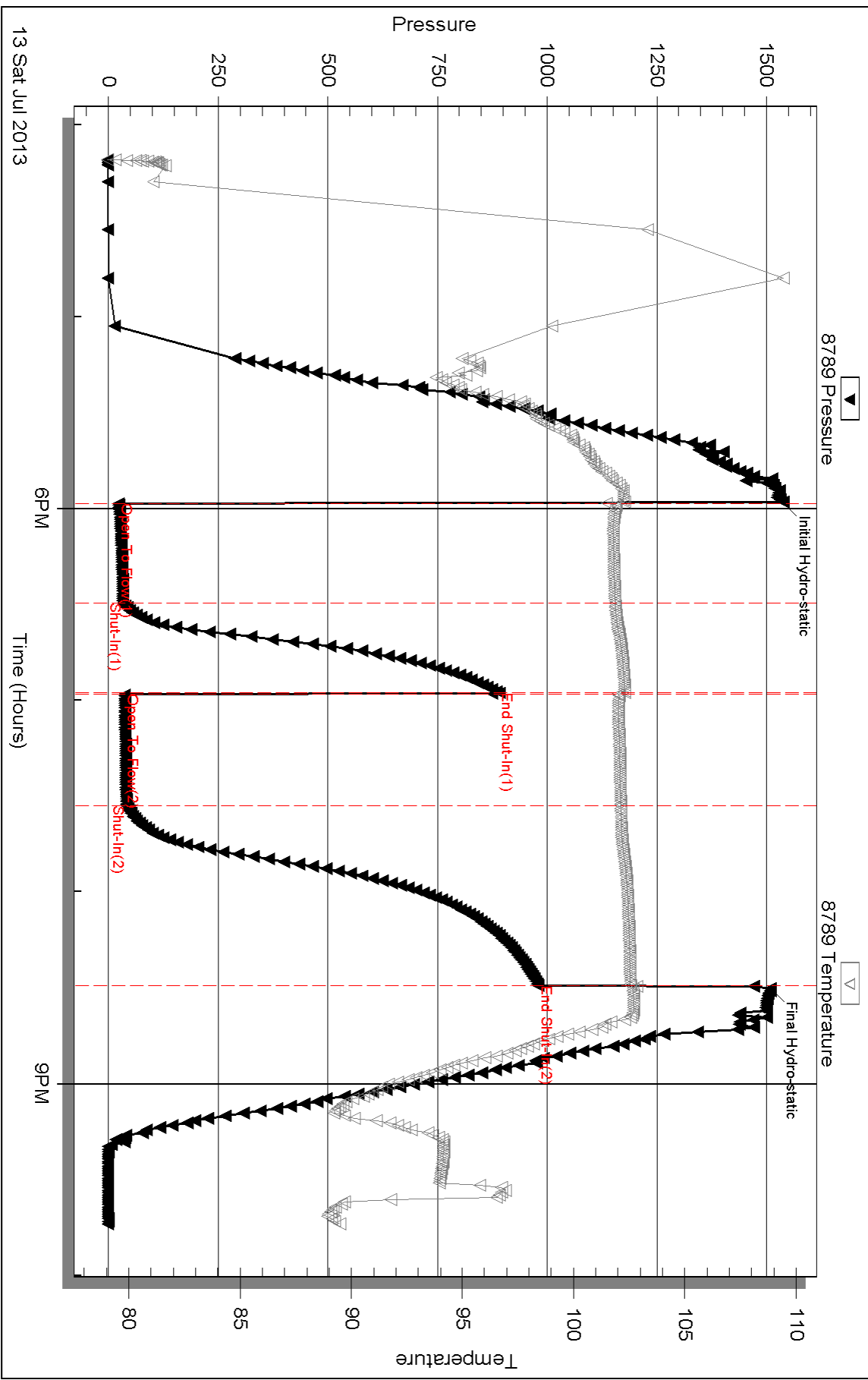
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

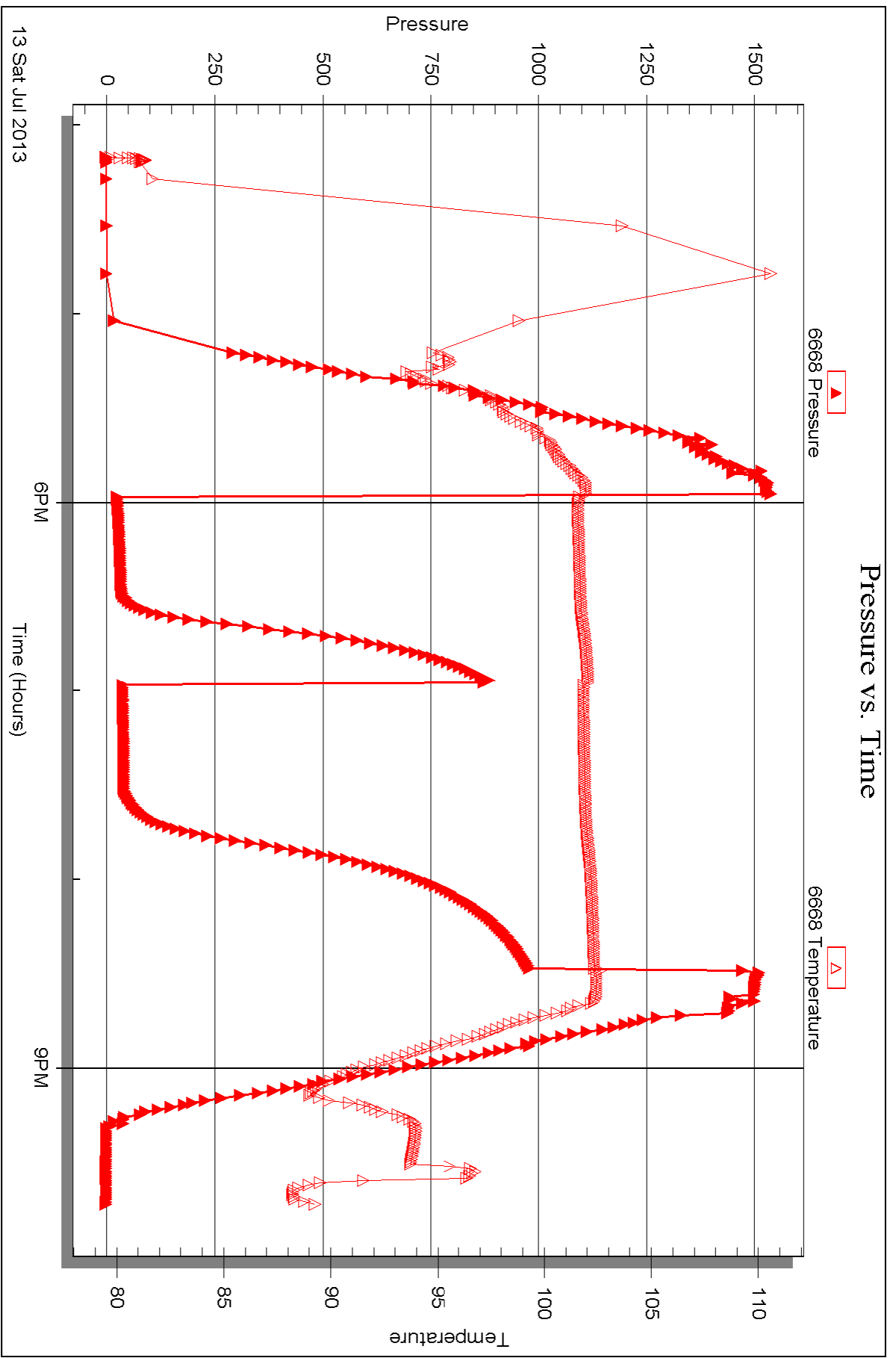


Serial #: 6668

Outside Coral Production Corp.

Kollman #17-1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 53992

Printed: 2013.07.16 @ 14:04:19



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout ST STE 1500
Denver CO 80202

ATTN: Tim Lauer

Kollman #17-1

17-7s-18w Rooks,KS

Start Date: 2013.07.14 @ 04:41:39

End Date: 2013.07.14 @ 11:05:09

Job Ticket #: 53993 DST #: 2

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

Printed: 2013.07.16 @ 14:01:54



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coral Production Corp.

17-7s-18w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53993

DST#: 2

ATTN: Tim Lauer

Test Start: 2013.07.14 @ 04:41:39

GENERAL INFORMATION:

Formation: **LKC B-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:01:54

Time Test Ended: 11:05:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 54

Interval: 3195.00 ft (KB) To 3259.00 ft (KB) (TVD)

Reference Elevations: 1973.00 ft (KB)

Total Depth: 3250.00 ft (KB) (TVD)

1968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8789

Inside

Press @ Run Depth: 49.90 psig @ 3198.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.14

End Date:

2013.07.14

Last Calib.:

2013.07.14

Start Time: 04:41:41

End Time:

11:05:09

Time On Btm:

2013.07.14 @ 06:01:39

Time Off Btm:

2013.07.14 @ 09:46:54

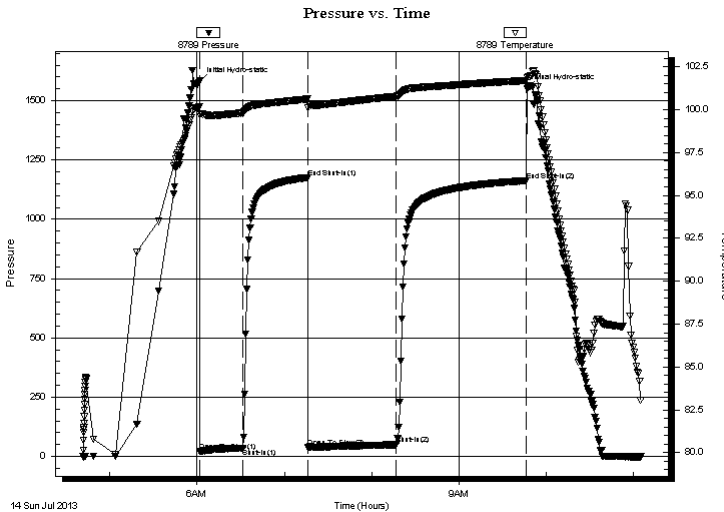
TEST COMMENT: Weak surface blow built to 2"

Dead no blow back.

Weak surface blow built to 1/2"

Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1582.62	100.18	Initial Hydro-static
1	21.36	99.70	Open To Flow (1)
30	34.38	99.82	Shut-In(1)
75	1176.01	100.62	End Shut-In(1)
75	39.72	100.10	Open To Flow (2)
136	49.90	100.77	Shut-In(2)
225	1163.13	101.69	End Shut-In(2)
226	1549.93	101.86	Final Hydro-static

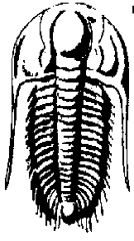
Recovery

Length (ft)	Description	Volume (bbl)
10.00	15%W 85%M	0.05
60.00	80%W 20%M	0.67

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coral Production Corp.

17-7s-18w Rooks, KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53993

DST#: 2

ATTN: Tim Lauer

Test Start: 2013.07.14 @ 04:41:39

GENERAL INFORMATION:

Formation: **LKC B-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:01:54

Time Test Ended: 11:05:09

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 54

Interval: 3195.00 ft (KB) To 3259.00 ft (KB) (TVD)

Reference Elevations: 1973.00 ft (KB)

Total Depth: 3250.00 ft (KB) (TVD)

1968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6668 Outside

Press @ RunDepth: psig @ 3198.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.14

End Date:

2013.07.14

Last Calib.:

2013.07.14

Start Time: 04:41:31

End Time:

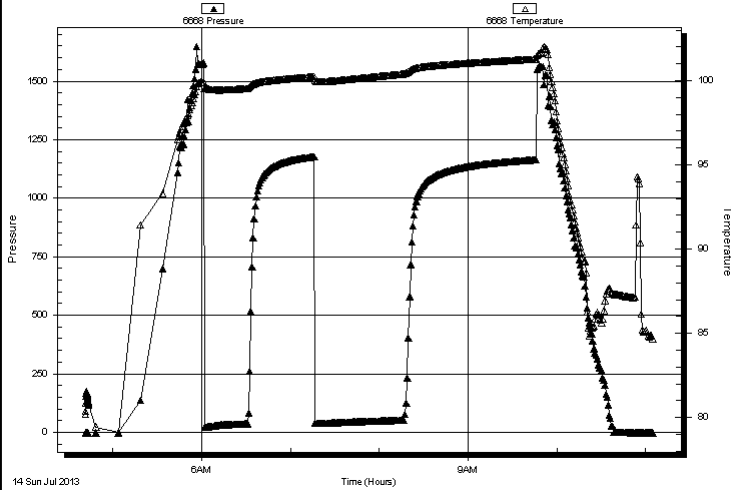
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Time On Btm:

Time Off Btm:

TEST COMMENT: Weak surface blow built to 2"
Dead no blow back.
Weak surface blow built to 1/2"
Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	15%W 85%M	0.05
60.00	80%W 20%M	0.67

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp.

17-7s-18w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53993

DST#: 2

ATTN: Tim Lauer

Test Start: 2013.07.14 @ 04:41:39

Tool Information

Drill Pipe:	Length: 3166.00 ft	Diameter: 3.80 inches	Volume: 44.41 bbl	Tool Weight: 2000.00 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 59000.00 lb
			<u>Total Volume: 44.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3195.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	78.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3173.00	
Shut In Tool	5.00			3178.00	
Hydraulic tool	5.00			3183.00	
Safety Joint	2.00			3185.00	
Packer	5.00			3190.00	23.00 Bottom Of Top Packer
Packer	5.00			3195.00	
Stubb	1.00			3196.00	
Perforations	2.00			3198.00	
Recorder	0.00	8789	Inside	3198.00	
Recorder	0.00	6668	Outside	3198.00	
Perforations	15.00			3213.00	
Change Over Sub	1.00			3214.00	
Drill Pipe	32.00			3246.00	
Change Over Sub	1.00			3247.00	
Bullnose	3.00			3250.00	55.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

17-7s-18w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53993

DST#: 2

ATTN: Tim Lauer

Test Start: 2013.07.14 @ 04:41:39

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:

8500 ppm

Viscosity: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	15%W 85%M	0.049
60.00	80%W 20%M	0.669

Total Length: 70.00 ft Total Volume: 0.718 bbl

Num Fluid Samples: 0

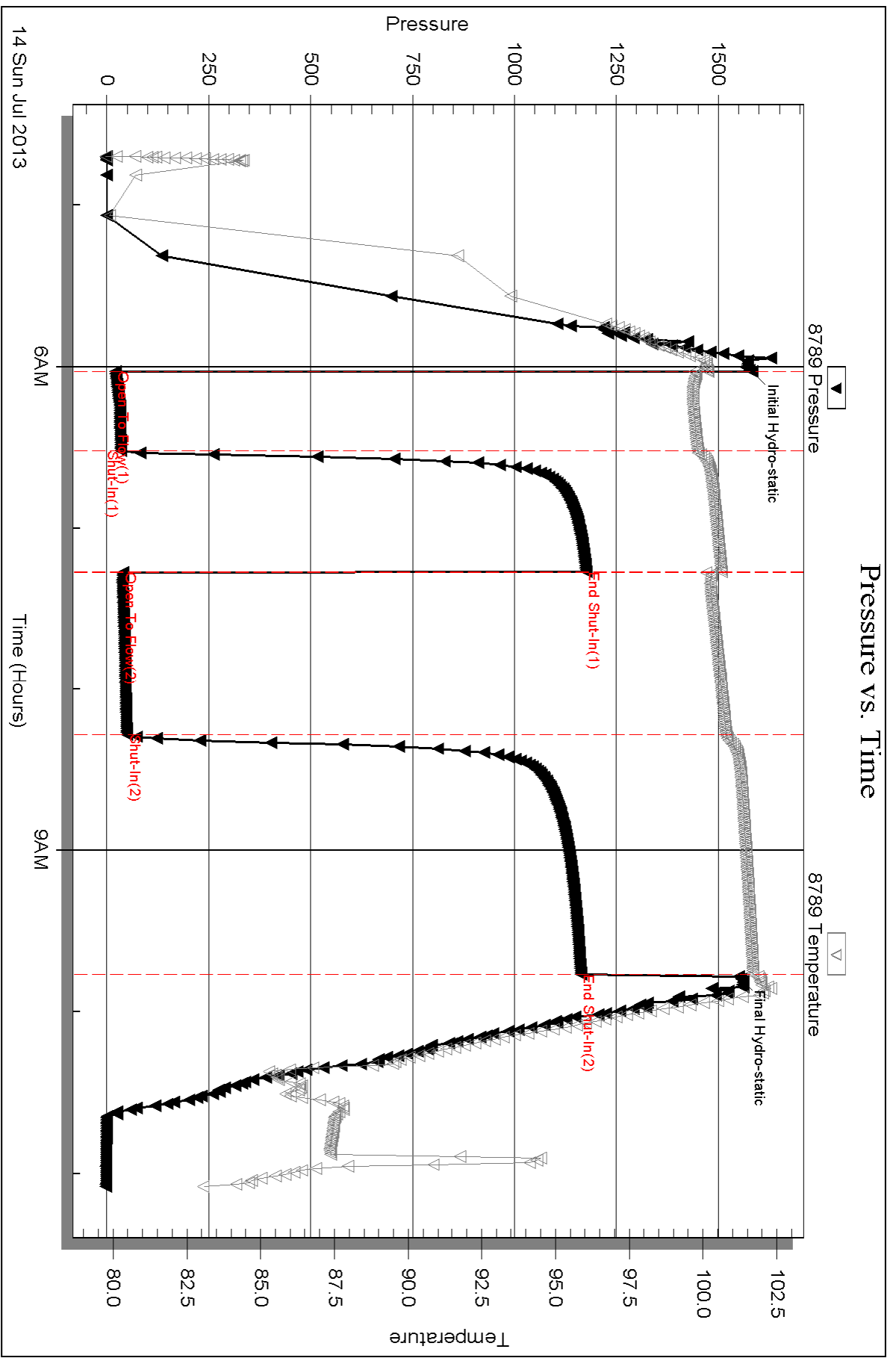
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

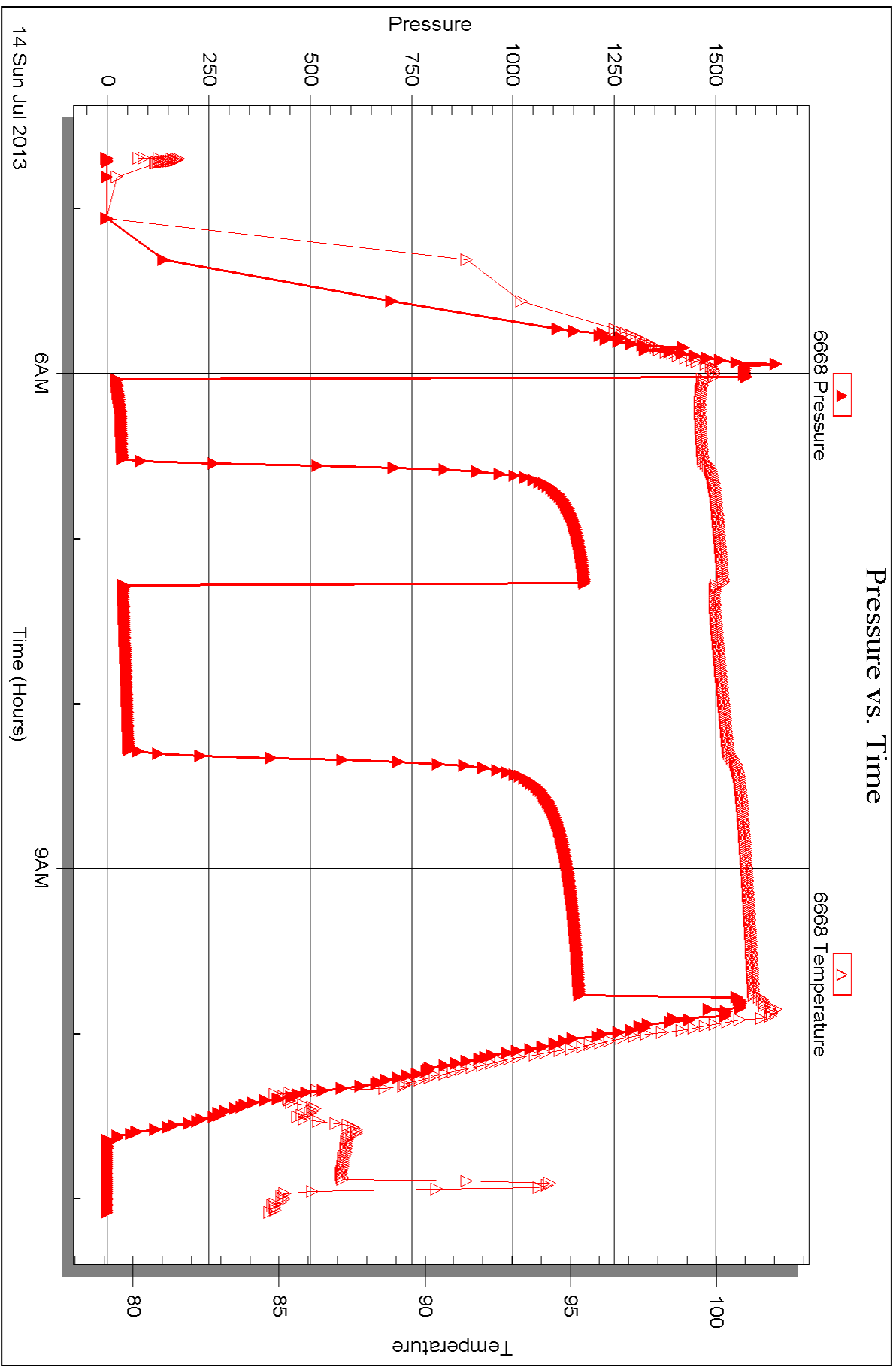


Serial #: 6668

Outside Coral Production Corp.

Kollman #17-1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout ST STE 1500
Denver CO 80202

ATTN: Tim Lauer

Kollman #17-1

17-7s-18w Rooks,KS

Start Date: 2013.07.14 @ 16:41:28

End Date: 2013.07.14 @ 23:15:58

Job Ticket #: 53994 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.07.16 @ 14:01:21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coral Production Corp.

17-7s-18w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53994

DST#: 3

ATTN: Tim Lauer

Test Start: 2013.07.14 @ 16:41:28

GENERAL INFORMATION:

Formation: **LKC E & F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:01:28

Time Test Ended: 23:15:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 54

Interval: 3250.00 ft (KB) To 3278.00 ft (KB) (TVD)

Reference Elevations: 1973.00 ft (KB)

Total Depth: 3278.00 ft (KB) (TVD)

1968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8789

Inside

Press @ Run Depth: 149.66 psig @ 3251.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.14

End Date:

2013.07.14

Last Calib.:

2013.07.14

Start Time: 16:41:30

End Time:

23:15:58

Time On Btm:

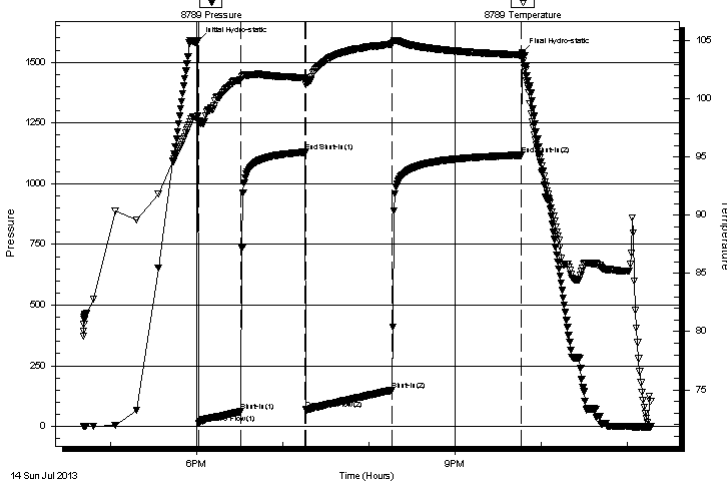
2013.07.14 @ 18:01:13

Time Off Btm:

2013.07.14 @ 21:46:28

TEST COMMENT: B.O.B. In 25 mins.
Dead no blow back
B.O.B. In 32 mins.
Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1587.11	98.51	Initial Hydro-static
1	13.46	97.95	Open To Flow (1)
30	61.75	101.64	Shut-In(1)
75	1129.72	101.82	End Shut-In(1)
75	69.64	101.22	Open To Flow (2)
135	149.66	104.75	Shut-In(2)
225	1117.61	103.79	End Shut-In(2)
226	1541.12	103.89	Final Hydro-static

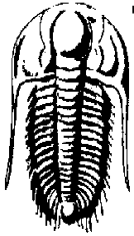
Recovery

Length (ft)	Description	Volume (bbl)
120.00	98%W 2%M	1.42
90.00	80%W 20%M	1.26

Gas Rates

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

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Coral Production Corp.

1600 Stout ST STE 1500
Denver CO 80202

ATTN: Tim Lauer

17-7s-18w Rooks, KS

Kollman #17-1

Job Ticket: 53994

DST#: 3

Test Start: 2013.07.14 @ 16:41:28

GENERAL INFORMATION:

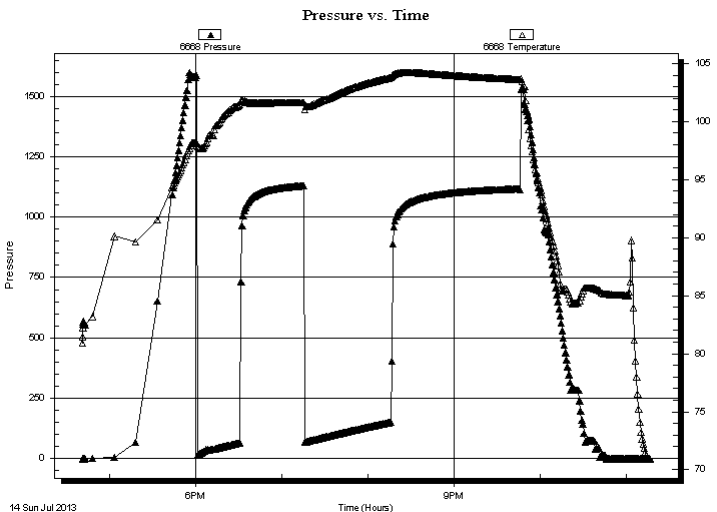
Formation: **LKC E & F**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 18:01:28 Tester: Tate Lang
 Time Test Ended: 23:15:58 Unit No: 54
 Interval: **3250.00 ft (KB) To 3278.00 ft (KB) (TVD)** Reference Elevations: 1973.00 ft (KB)
 Total Depth: 3278.00 ft (KB) (TVD) 1968.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 6668 Outside

Press @ Run Depth: psig @ 3251.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.14 End Date: 2013.07.14 Last Calib.: 2013.07.14
 Start Time: 16:41:26 End Time: 23:15:54 Time On Btm:
 Time Off Btm:

TEST COMMENT: B.O.B. In 25 mins.
 Dead no blow back
 B.O.B. In 32 mins.
 Dead no blow back

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	98%W 2%M	1.42
90.00	80%W 20%M	1.26

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp.

17-7s-18w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53994

DST#: 3

ATTN: Tim Lauer

Test Start: 2013.07.14 @ 16:41:28

Tool Information

Drill Pipe:	Length: 3228.00 ft	Diameter: 3.80 inches	Volume: 45.28 bbl	Tool Weight: 2000.00 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 45.42 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3250.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	51.00 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			3228.00	
Shut In Tool	5.00			3233.00	
Hydraulic tool	5.00			3238.00	
Safety Joint	2.00			3240.00	
Packer	5.00			3245.00	23.00 Bottom Of Top Packer
Packer	5.00			3250.00	
Stubb	1.00			3251.00	
Recorder	0.00	8789	Inside	3251.00	
Recorder	0.00	6668	Outside	3251.00	
Perforations	24.00			3275.00	
Bullnose	3.00			3278.00	28.00 Bottom Packers & Anchor

Total Tool Length: 51.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

17-7s-18w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53994

DST#: 3

ATTN: Tim Lauer

Test Start: 2013.07.14 @ 16:41:28

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:

48000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	98%W 2%M	1.419
90.00	80%W 20%M	1.262

Total Length: 210.00 ft Total Volume: 2.681 bbl

Num Fluid Samples: 0

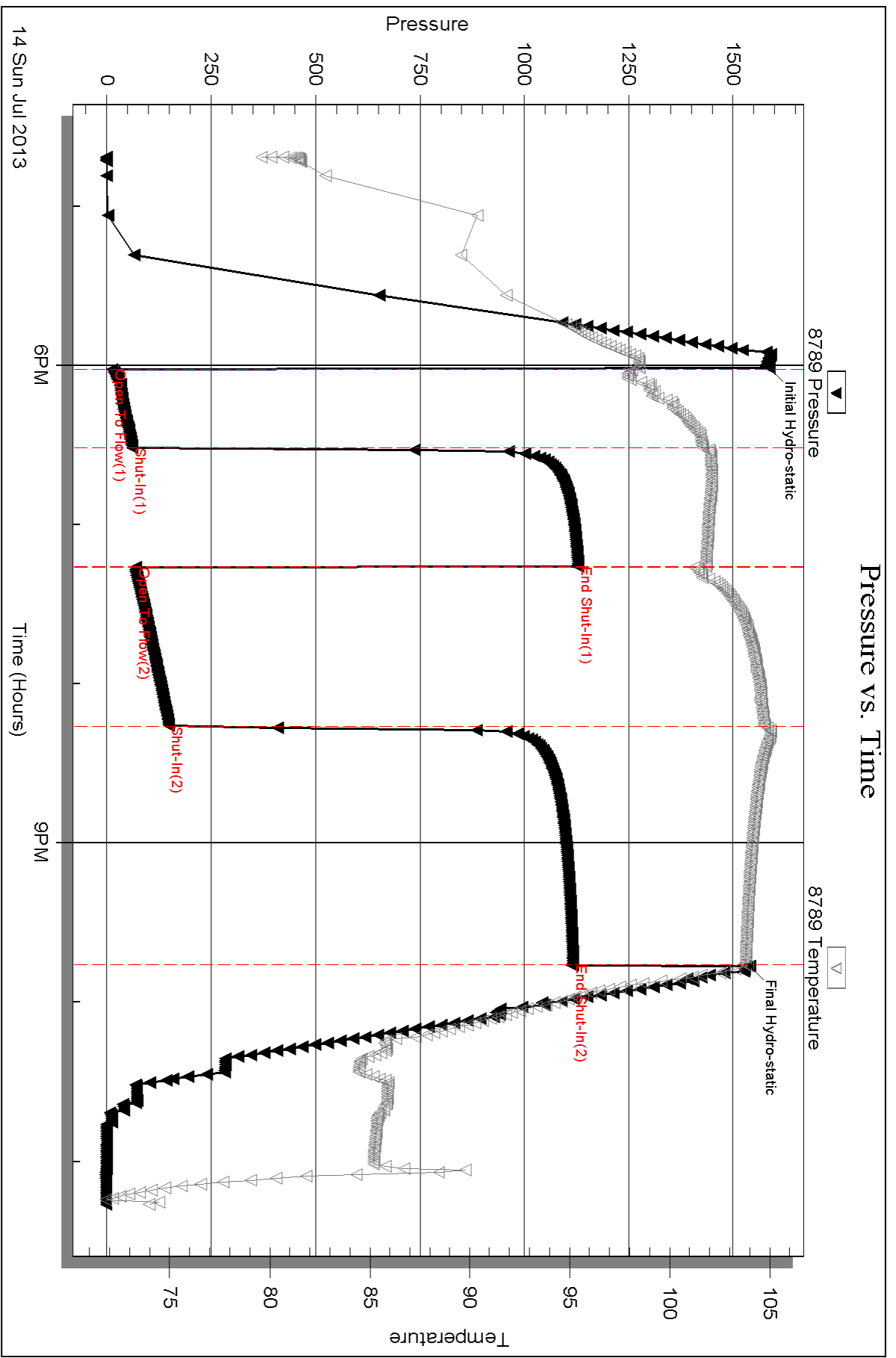
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

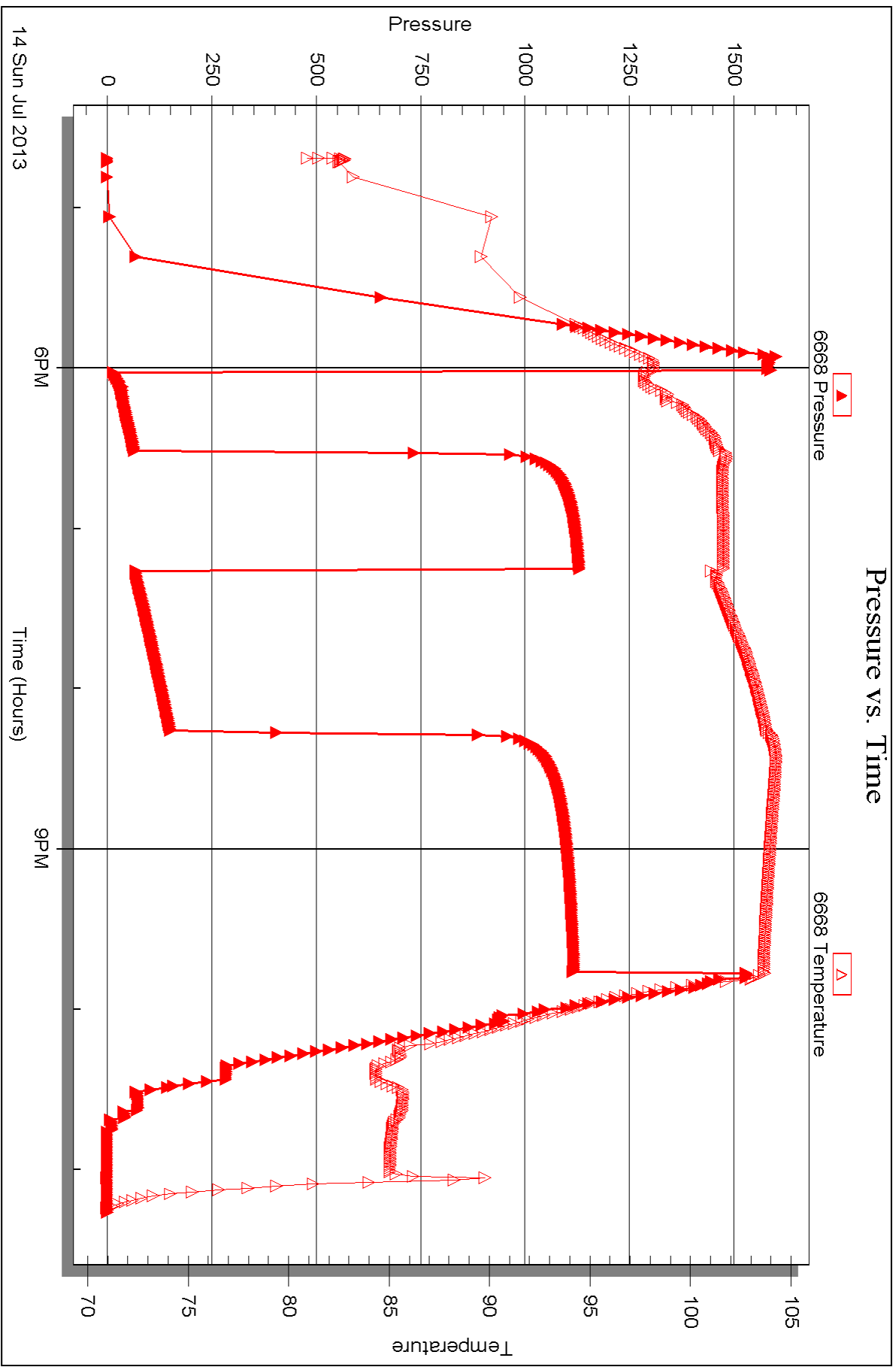


Serial #: 6668

Outside Coral Production Corp.

Kollman #17-1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout ST STE 1500
Denver CO 80202

ATTN: Tim Lauer

Kollman #17-1

17-7s-18w Rooks,KS

Start Date: 2013.07.15 @ 10:49:03

End Date: 2013.07.15 @ 15:54:33

Job Ticket #: 53995 DST #: 4

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

Printed: 2013.07.16 @ 14:00:44



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coral Production Corp.
1600 Stout ST STE 1500
Denver CO 80202
ATTN: Tim Lauer

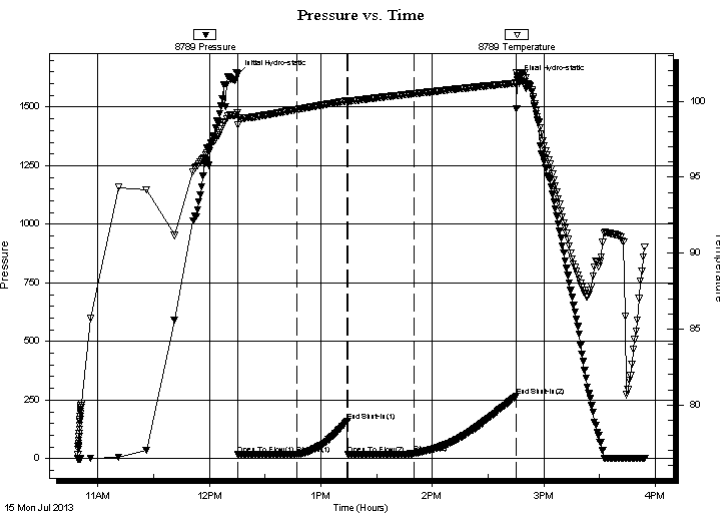
17-7s-18w Rooks, KS
Kollman #17-1
Job Ticket: 53995 **DST#: 4**
Test Start: 2013.07.15 @ 10:49:03

GENERAL INFORMATION:

Formation: **LKC H-L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:15:18
Time Test Ended: 15:54:33
Interval: **3324.00 ft (KB) To 3410.00 ft (KB) (TVD)**
Total Depth: 3410.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Tate Lang
Unit No: 54
Reference Elevations: 1973.00 ft (KB)
1968.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8789 **Inside**
Press @ Run Depth: 22.58 psig @ 3327.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.07.15 End Date: 2013.07.15 Last Calib.: 2013.07.15
Start Time: 10:49:05 End Time: 15:54:33 Time On Btm: 2013.07.15 @ 12:15:03
Time Off Btm: 2013.07.15 @ 14:45:48

TEST COMMENT: Weak surface blow built to 1/8"
Dead no blow back
Dead no blow
Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1640.19	99.23	Initial Hydro-static
1	17.67	98.43	Open To Flow (1)
33	19.08	99.46	Shut-In(1)
60	161.01	100.03	End Shut-In(1)
60	18.49	99.94	Open To Flow (2)
96	22.58	100.50	Shut-In(2)
150	266.27	101.19	End Shut-In(2)
151	1617.68	101.62	Final Hydro-static

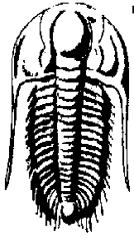
Recovery

Length (ft)	Description	Volume (bbl)
5.00	3%O 97%M	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Coral Production Corp.

17-7s-18w Rooks, KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53995

DST#: 4

ATTN: Tim Lauer

Test Start: 2013.07.15 @ 10:49:03

GENERAL INFORMATION:

Formation: **LKC H-L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:15:18
 Time Test Ended: 15:54:33
 Interval: **3324.00 ft (KB) To 3410.00 ft (KB) (TVD)**
 Total Depth: 3410.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Tate Lang
 Unit No: 54
 Reference Elevations: 1973.00 ft (KB)
 1968.00 ft (CF)
 KB to GR/CF: 5.00 ft

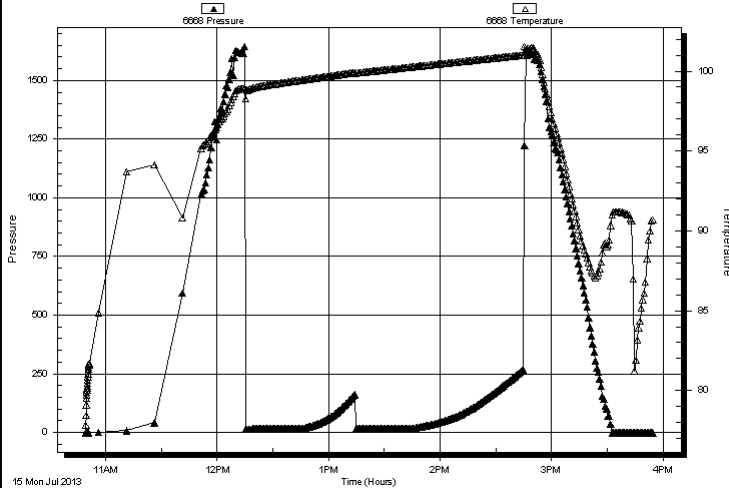
Serial #: 6668

Outside

Press @ Run Depth: psig @ 3327.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.15 End Date: 2013.07.15 Last Calib.: 2013.07.15
 Start Time: 10:49:13 End Time: 15:54:41 Time On Btm:
 Time Off Btm:

TEST COMMENT: Weak surface blow built to 1/8"
 Dead no blow back
 Dead no blow
 Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	3%O 97%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

Coral Production Corp.

17-7s-18w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53995

DST#: 4

ATTN: Tim Lauer

Test Start: 2013.07.15 @ 10:49:03

Tool Information

Drill Pipe:	Length: 3293.00 ft	Diameter: 3.80 inches	Volume: 46.19 bbl	Tool Weight: 2000.00 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: 29.00 ft	Diameter: 2.25 inches	Volume: 0.14 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 46.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3324.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	109.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3302.00	
Shut In Tool	5.00			3307.00	
Hydraulic tool	5.00			3312.00	
Safety Joint	2.00			3314.00	
Packer	5.00			3319.00	23.00 Bottom Of Top Packer
Packer	5.00			3324.00	
Stubb	1.00			3325.00	
Perforations	2.00			3327.00	
Recorder	0.00	8789	Inside	3327.00	
Recorder	0.00	6668	Outside	3327.00	
Perforations	15.00			3342.00	
Change Over Sub	1.00			3343.00	
Drill Pipe	63.00			3406.00	
Change Over Sub	1.00			3407.00	
Bullnose	3.00			3410.00	86.00 Bottom Packers & Anchor

Total Tool Length: 109.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

17-7s-18w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Kollman #17-1

Job Ticket: 53995

DST#: 4

ATTN: Tim Lauer

Test Start: 2013.07.15 @ 10:49:03

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: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	3%O 97%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

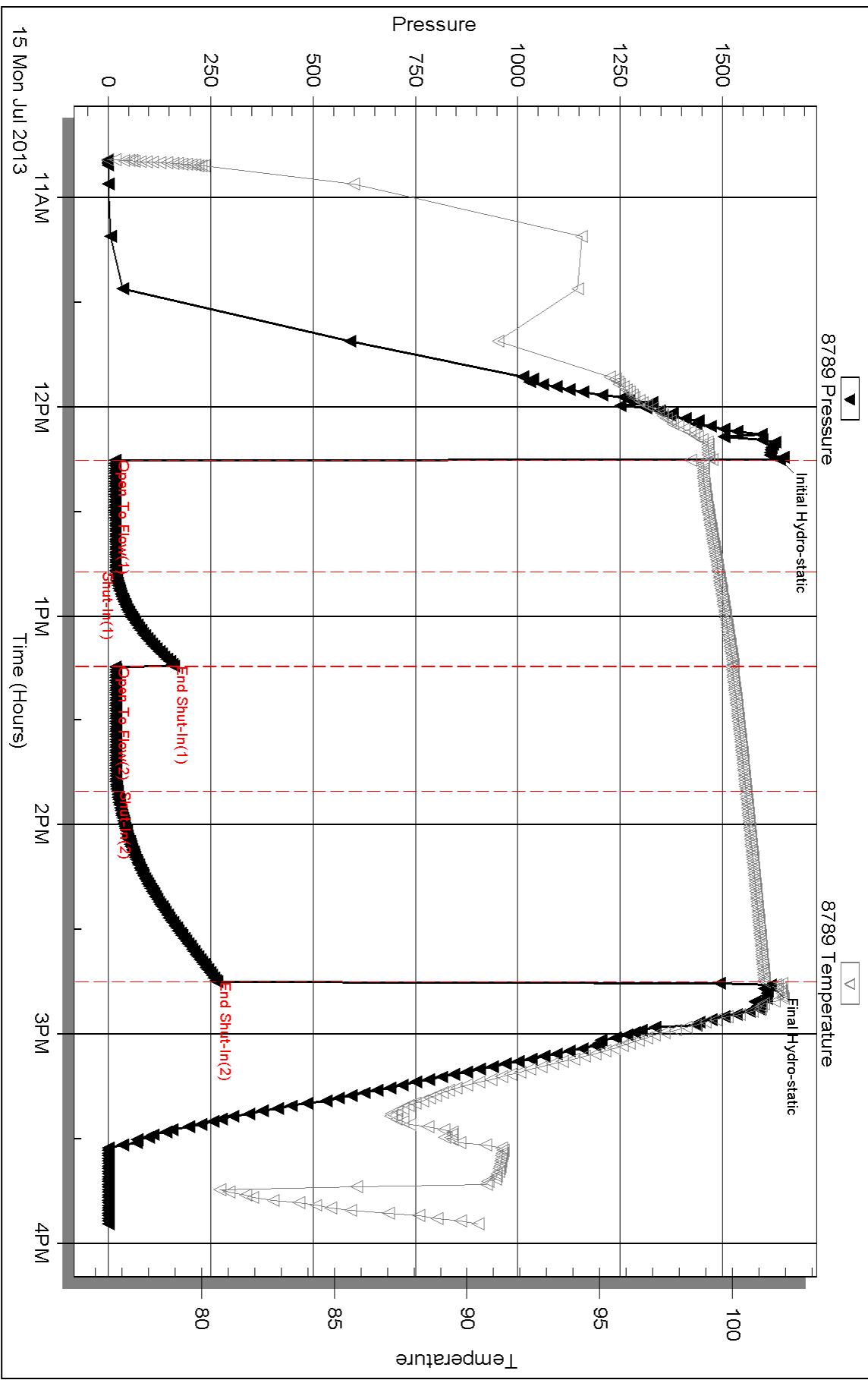
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

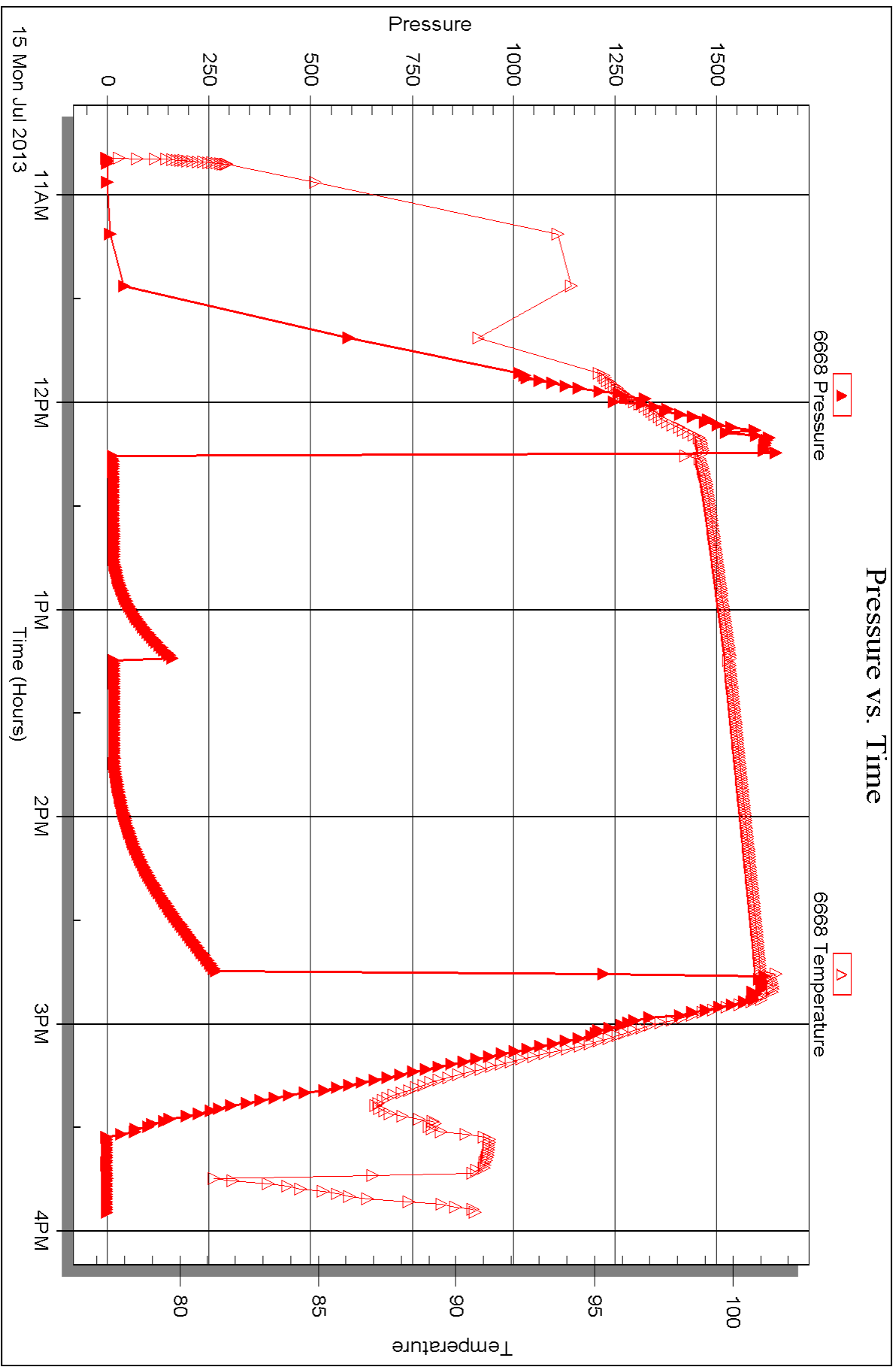


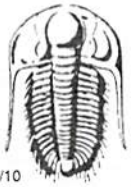
Serial #: 6668

Outside Coral Production Corp.

Kollman #17-1

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53992

Well Name & No. Kollman #17-1 Test No. 1 Date 7-13-13
 Company Coral Production Corp. Elevation 1973 KB ~~1973~~ 1968 GL
 Address 1600 Stout ST STE 1500 Denver CO, 80202
 Co. Rep / Geo. Tim Lauer Rig Murfin Rig #16
 Location: Sec. 17 Twp. 7S Rge. 18W Co. Readey State KS

Interval Tested 3136 3195 Zone Tested Toronto - Lansing A
 Anchor Length 59 Drill Pipe Run 2103 Mud Wt. 9.0
 Top Packer Depth 3132 Drill Collars Run 29 Vis 66
 Bottom Packer Depth 3136 Wt. Pipe Run 0 WL 7.6
 Total Depth 3195 Chlorides 300 ppm System LCM

Blow Description Weak surface blow ~~blow~~ died in 10 mins
Dead no blow back
Dead no blow
Dead no blow back

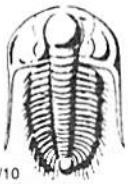
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>40</u>	Feet of <u>OCM</u>	%gas	<u>5</u> %oil	%water	<u>95</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 40 BHT 103 Gravity — API RW — @ — F Chlorides — ppm
 (A) Initial Hydrostatic 1537 Test 1150 T-On Location 15:15
 (B) First Initial Flow 24 Jars T-Started ~~17:58~~ 16:10
 (C) First Final Flow 33 Safety Joint T-Open 17:58
 (D) Initial Shut-In 891 Circ Sub T-Pulled 20:28
 (E) Second Initial Flow 37 Hourly Standby T-Out 21:43
 (F) Second Final Flow 42 Mileage 90 RM 139.50 Comments
 (G) Final Shut-In 980 Sampler
 (H) Final Hydrostatic 1509 Straddle 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 60 Day Standby Total 1289.50
 Accessibility MP/DST Disc't
 Sub Total 1289.50

Approved By Tim J. Lauer Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53993

Well Name & No. Kollman #17-1 Test No. 2 Date 7-14-13
 Company Coral Production Corp. Elevation 1973 KB 1968 GL
 Address _____
 Co. Rep / Geo. Tim Lauer Rig Murfin Rig # 16
 Location: Sec. 17 Twp. 7S Rge. 18W Co. Rooks State MO

Interval Tested 3195 3250 Zone Tested Loring B-D
 Anchor Length 55 Drill Pipe Run 3166 Mud Wt. 9.0
 Top Packer Depth 3191 Drill Collars Run 29 Vis 66
 Bottom Packer Depth 3195 Wt. Pipe Run 0 WL 7.6
 Total Depth 3250 Chlorides 300 ppm System LCM 2#

Blow Description Weak surface blow built to 2 in.
Dead no blow back
Weak surface blow built to 1/2 in
Dead no blow back

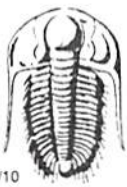
Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>SW cm</u>			<u>15</u>	<u>85</u>
<u>60</u>	<u>M CW</u>			<u>80</u>	<u>20</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 70 BHT 102 Gravity _____ API RW .693 @ 80 ° F Chlorides 8500 ppm
 (A) Initial Hydrostatic 1583 Test 1150 T-On Location 04:30
 (B) First Initial Flow 21 Jars _____ T-Started 04:41
 (C) First Final Flow 34 Safety Joint _____ T-Open 06:01
 (D) Initial Shut-In 1176 Circ Sub _____ T-Pulled 09:46
 (E) Second Initial Flow 40 Hourly Standby _____ T-Out 11:04
 (F) Second Final Flow 50 Mileage 90 R/T 139.50 Comments _____
 (G) Final Shut-In 1163 Sampler _____
 (H) Final Hydrostatic 1550 Straddle _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 45 Ruined Packer _____
 Final Flow 60 Extra Packer _____
 Final Shut-In 90 Extra Recorder _____
 Sub Total 0
 Total 1289.50
 MP/DST Disc't _____

Approved By Tim J. Lauer Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53994

Well Name & No. Kollman #17-1 Test No. 3 Date 7-14-13
 Company Coral Production Corp Elevation 1973 KB 1968 GL
 Address _____
 Co. Rep / Geo. Tim Lauer Rig Murfin Rig # 16
 Location: Sec. 17 Twp. 7S Rge. 18W Co. Rooks State KS

Interval Tested 3250 3278 Zone Tested Lansing F&F
 Anchor Length _____ Drill Pipe Run 3228 Mud Wt. 9.3
 Top Packer Depth _____ Drill Collars Run 29 Vis 51
 Bottom Packer Depth _____ Wt. Pipe Run 0 WL 8.0
 Total Depth 3278 Chlorides 800 ppm System LCM 2#

Blow Description B.O.B. In 25 mins
Dead no blow back
B.O.B. In 32 mins
Dead no blow back

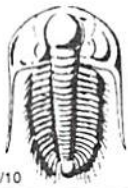
Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>MCW</u>			<u>80</u>	<u>20</u>
<u>180</u>	<u>SMCW</u>			<u>98</u>	<u>2</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 270 BHT 104 Gravity — API RW 198 @ 73 °F Chlorides 48000 ppm
 (A) Initial Hydrostatic 1587 Test 1150 T-On Location 16:30
 (B) First Initial Flow 13 Jars _____ T-Started 16:41
 (C) First Final Flow 62 Safety Joint _____ T-Open 18:07
 (D) Initial Shut-In 1130 Circ Sub _____ T-Pulled 21:47
 (E) Second Initial Flow 70 Hourly Standby _____ T-Out 23:17
 (F) Second Final Flow 150 Mileage 90 R/H 139.50 Comments _____
 (G) Final Shut-In 1118 Sampler _____
 (H) Final Hydrostatic 1541 Straddle _____
 Shale Packer _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 90
 Sub Total 0
 Total 1289.50
 MP/DST Disc't _____

Approved By Tim J. Lauer Our Representative Steve Long Thanks

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53995

Well Name & No. Kollman #17-1 Test No. 4 Date 7-15-13
 Company Coral Production Corp. Elevation 1973 KB 1968 GL
 Address _____
 Co. Rep / Geo. Tim Lauer Rig Murfin Rig #16
 Location: Sec. 17 Twp. 7S Rge. 18W Co. Rooks State KS

Interval Tested 3324 3410 Zone Tested Coring H-L
 Anchor Length _____ Drill Pipe Run 3293 Mud Wt. 9.3
 Top Packer Depth _____ Drill Collars Run 29 Vis 51
 Bottom Packer Depth _____ Wt. Pipe Run 0 WL 8.0
 Total Depth 3410 Chlorides 000 ppm System LCM 2#

Blow Description Weak surface blow built to 1/8 in
Dead No blow back
Dead No blow
Dead No blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>5</u>	Feet of <u>VSOCM</u>	%gas <u>3</u>	%oil	%water <u>97</u>	%mud
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 5 BHT 103 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1640 Test 1150 T-On Location 10:38
 (B) First Initial Flow 18 Jars _____ T-Started 10:49
 (C) First Final Flow 19 Safety Joint _____ T-Open 12:15
 (D) Initial Shut-In 161 Circ Sub _____ T-Pulled 14:45
 (E) Second Initial Flow 18 Hourly Standby _____ T-Out 15:53
 (F) Second Final Flow 23 Mileage 90 R/W 139.50 Comments _____
 (G) Final Shut-In 266 Sampler _____
 (H) Final Hydrostatic 1618 Straddle _____

Initial Open 30 Ruined Shale Packer _____
 Initial Shut-In 30 Ruined Packer _____
 Final Flow 30 Extra Copies _____
 Final Shut-In 30 Sub Total 0
 Extra Recorder _____ Total 1289.50
 Day Standby _____
 Accessibility _____ MP/DST Disc't _____

Approved By Tim Lauer 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.