



## DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St Suite 1500 Denver CO 80202

ATTN: Tim Lauer

### **Mongeau #18-1**

#### **18 7s 18w Rooks,KS**

Start Date: 2012.07.10 @ 11:57:00

End Date: 2012.07.10 @ 17:17:00

Job Ticket #: 46100                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.19 @ 11:02:09



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Coral Production Corp.  
1600 Stout St Suite 1500 Denver CO 80202  
ATTN: Tim Lauer

**18 7s 18w Rooks, KS**  
**Mongeau #18-1**  
Job Ticket: 46100      **DST#: 1**  
Test Start: 2012.07.10 @ 11:57:00

## GENERAL INFORMATION:

Formation: **Tor-LKC A,B**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 13:46:30  
Time Test Ended: 17:17:00  
Interval: **3092.00 ft (KB) To 3160.00 ft (KB) (TVD)**  
Total Depth: 3160.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Chuck Kreuzer Jr.  
Unit No: 61  
Reference Elevations: 1943.00 ft (KB)  
1933.00 ft (CF)  
KB to GR/CF: 10.00 ft

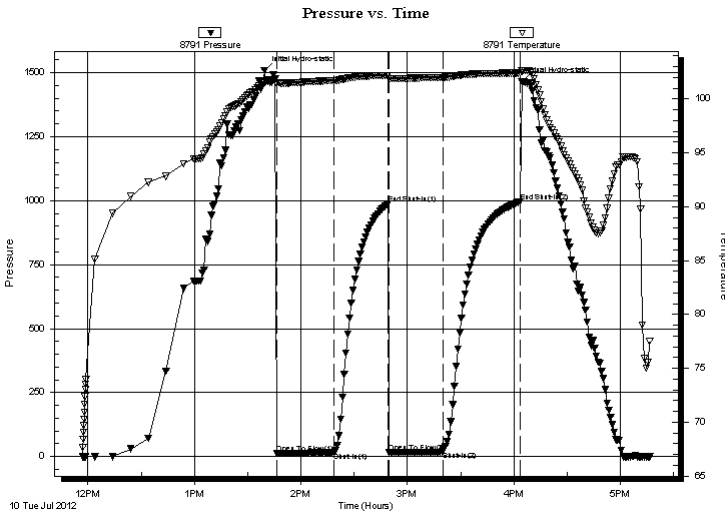
## Serial #: 8791

Inside

Press @ Run Depth: 22.38 psig @ 3095.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.07.10      End Date: 2012.07.10      Last Calib.: 2012.07.10  
Start Time: 11:57:05      End Time: 17:16:59      Time On Btm: 2012.07.10 @ 13:39:30  
Time Off Btm: 2012.07.10 @ 16:04:30

TEST COMMENT: IF: Weak blow, Died in 10 mins.  
IS: No blow back over 30 mins.  
FF: No blow over 30 mins  
FS: No blow back over 45 mins.

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1509.25	101.58	Initial Hydro-static
7	11.42	101.44	Open To Flow (1)
39	14.67	101.73	Shut-In(1)
70	986.92	102.20	End Shut-In(1)
70	15.40	101.91	Open To Flow (2)
101	22.38	102.01	Shut-In(2)
144	996.33	102.42	End Shut-In(2)
145	1466.69	102.59	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith oil specs	0.14

## Gas Rates

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





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Coral Production Corp.

**18 7s 18w Rooks,KS**

1600 Stout St Suite 1500 Denver CO 80202

**Mongeau #18-1**

Job Ticket: 46100

**DST#: 1**

ATTN: Tim Lauer

Test Start: 2012.07.10 @ 11:57:00

## Tool Information

Drill Pipe:	Length: 3091.00 ft	Diameter: 3.80 inches	Volume: 43.36 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 43.36 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3092.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	88.00 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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Shut In Tool	5.00			3077.00	
Hydraulic tool	5.00			3082.00	
Packer	5.00			3087.00	20.00 Bottom Of Top Packer
Packer	5.00			3092.00	
Stubb	1.00			3093.00	
Perforations	1.00			3094.00	
Change Over Sub	1.00			3095.00	
Recorder	0.00	8791	Inside	3095.00	
Recorder	0.00	8673	Outside	3095.00	
Blank Spacing	31.00			3126.00	
Change Over Sub	1.00			3127.00	
Perforations	30.00			3157.00	
Bullnose	3.00			3160.00	68.00 Bottom Packers & Anchor

**Total Tool Length: 88.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Coral Production Corp.

**18 7s 18w Rooks,KS**

1600 Stout St Suite 1500 Denver CO 80202

**Mongeau #18-1**

Job Ticket: 46100

**DST#: 1**

ATTN: Tim Lauer

Test Start: 2012.07.10 @ 11:57:00

### 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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith oil specs	0.140

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

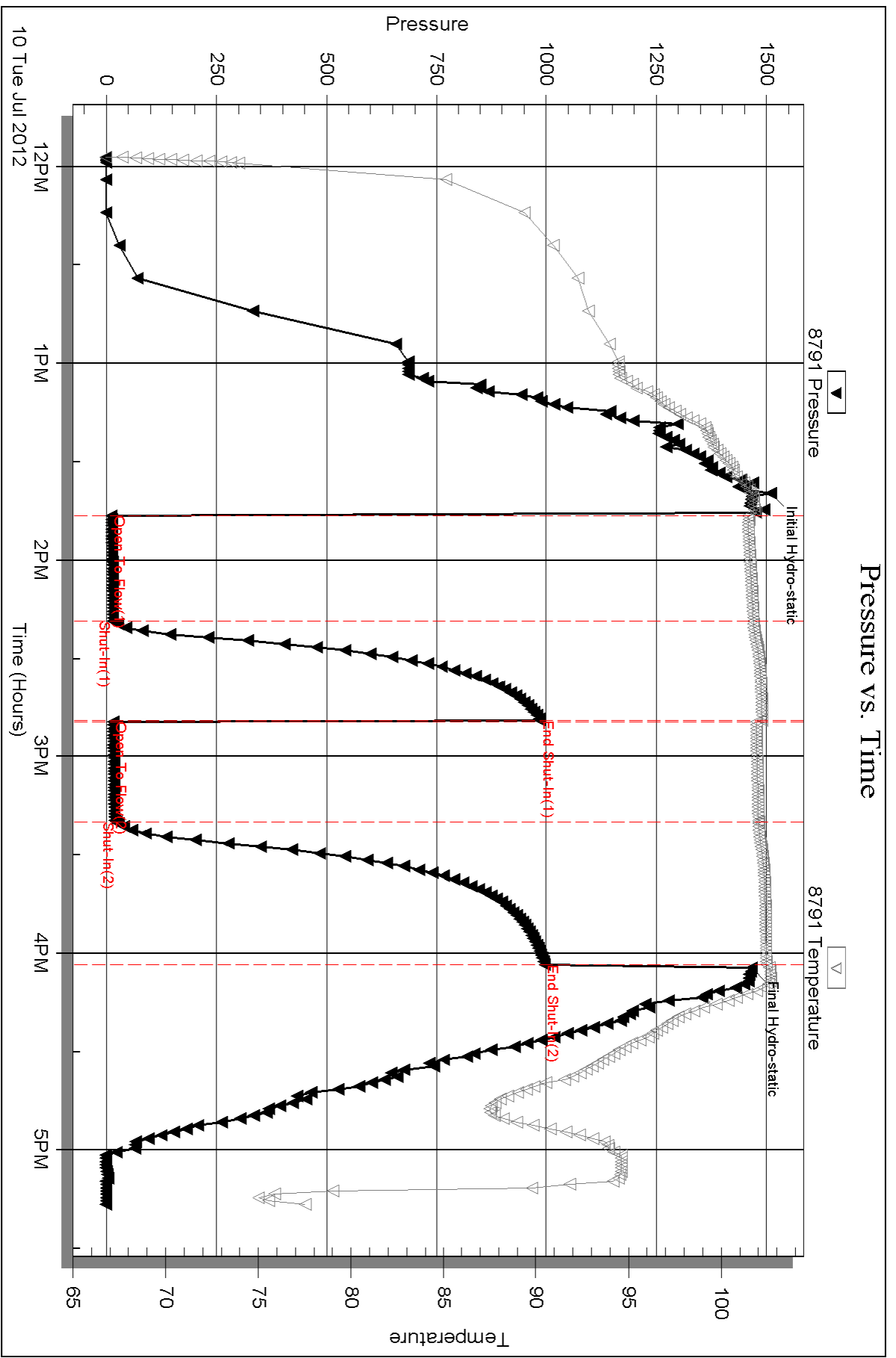
Num Gas Bombs: 0

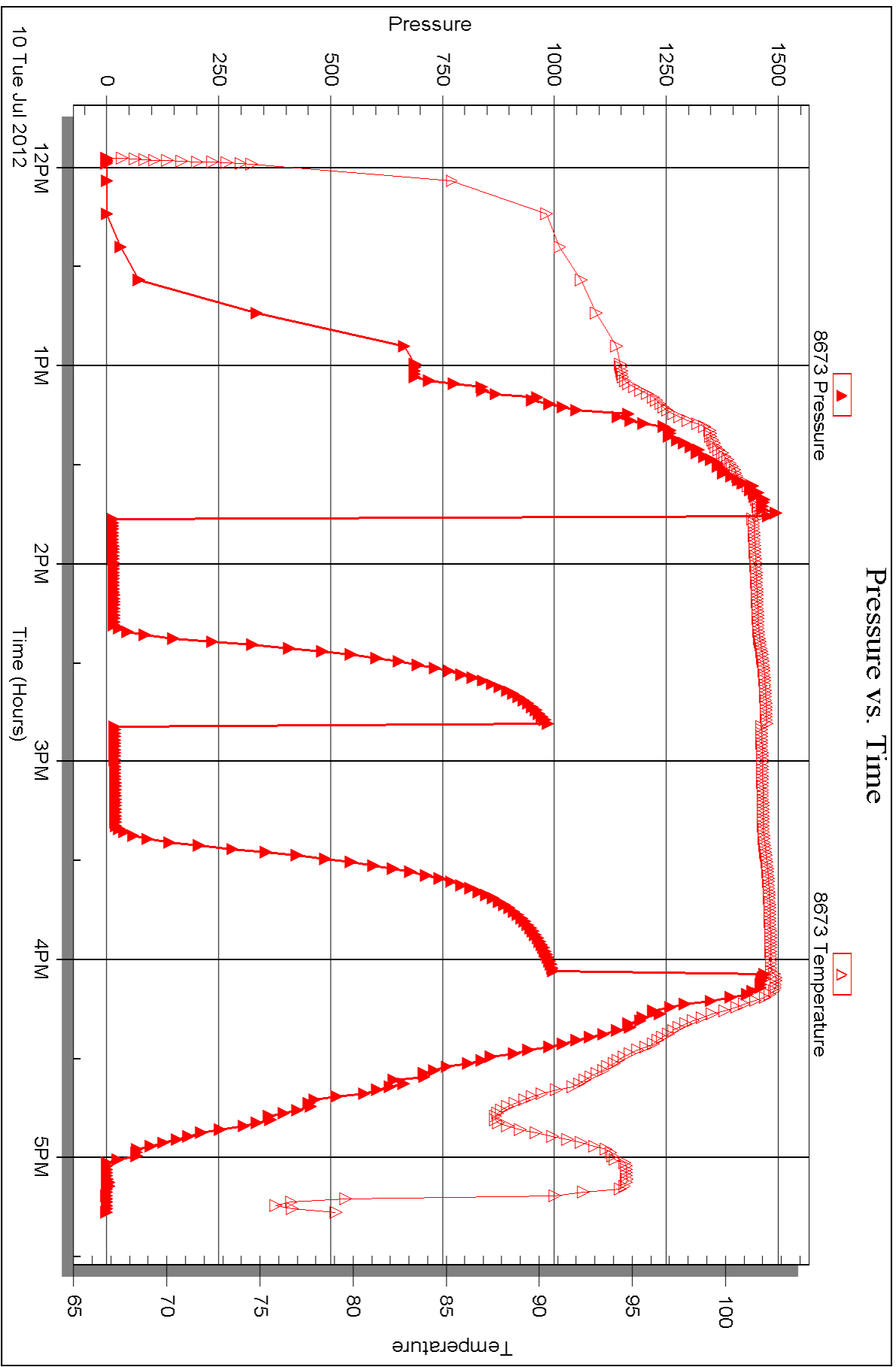
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St Suite 1500 Denver CO 80202

ATTN: Tim Lauer

### **Mongeau #18-1**

#### **18 7s 18w Rooks,KS**

Start Date: 2012.07.11 @ 01:20:00

End Date: 2012.07.11 @ 09:35:00

Job Ticket #: 47378                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.19 @ 11:01:04





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Coral Production Corp.  
 1600 Stout St Suite 1500 Denver CO 80202  
 ATTN: Tim Lauer

**18 7s 18w Rooks, KS**  
**Mongeau #18-1**  
 Job Ticket: 47378 **DST#: 2**  
 Test Start: 2012.07.11 @ 01:20:00

## GENERAL INFORMATION:

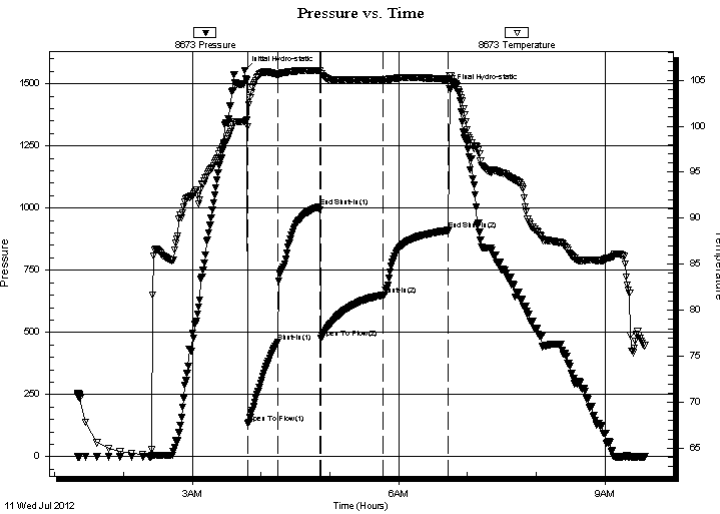
Formation: **LKC-C,D**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:48:30  
 Time Test Ended: 09:35:00  
 Interval: **3160.00 ft (KB) To 3209.00 ft (KB) (TVD)**  
 Total Depth: 3209.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Kreuzer Jr.  
 Unit No: 61  
 Reference Elevations: 1943.00 ft (KB)  
 1933.00 ft (CF)  
 KB to GR/CF: 10.00 ft

## Serial #: 8673

**Outside**

Press @ Run Depth: 649.82 psig @ 3164.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.07.11 End Date: 2012.07.11 Last Calib.: 2012.07.11  
 Start Time: 01:20:05 End Time: 09:34:59 Time On Btm: 2012.07.11 @ 03:45:30  
 Time Off Btm: 2012.07.11 @ 06:44:30

**TEST COMMENT:** IF: Strong blow , Built to B.O.B in 45 sec.  
 IS: Bled off , Blow back after 30 secs. Built to B.O.B in 25 mins.  
 FF: Strong blow , Built to B.O.B in 45 secs.  
 FS: Bled off , Blow back after 30 secs. Built to B.O.B in 45 mins.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1553.73	100.50	Initial Hydro-static
3	134.16	99.94	Open To Flow (1)
29	461.23	105.57	Shut-In(1)
66	1006.24	106.01	End Shut-In(1)
67	477.23	105.68	Open To Flow (2)
121	649.82	105.08	Shut-In(2)
178	910.79	105.10	End Shut-In(2)
179	1479.96	105.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	vsmco-10%g10%m80%o	1.74
1150.00	go-30%g70%o	16.13
496.00	go-50%g50%o	6.96
0.00	930ft. gas in pipe	0.00

\* 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.

**18 7s 18w Rooks,KS**

1600 Stout St Suite 1500 Denver CO 80202

**Mongeau #18-1**

Job Ticket: 47378

**DST#: 2**

ATTN: Tim Lauer

Test Start: 2012.07.11 @ 01:20:00

## Tool Information

Drill Pipe:	Length: 3153.00 ft	Diameter: 3.80 inches	Volume: 44.23 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 57000.00 lb
			<u>Total Volume: 44.23 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3160.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	49.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3145.00	
Hydraulic tool	5.00			3150.00	
Packer	5.00			3155.00	20.00 Bottom Of Top Packer
Packer	5.00			3160.00	
Stubb	1.00			3161.00	
Perforations	2.00			3163.00	
Change Over Sub	1.00			3164.00	
Recorder	0.00	8791	Inside	3164.00	
Recorder	0.00	8673	Outside	3164.00	
Blank Spacing	31.00			3195.00	
Change Over Sub	1.00			3196.00	
Perforations	10.00			3206.00	
Bullnose	3.00			3209.00	49.00 Bottom Packers & Anchor

**Total Tool Length: 69.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production Corp.

**18 7s 18w Rooks,KS**

1600 Stout St Suite 1500 Denver CO 80202

**Mongeau #18-1**

Job Ticket: 47378

**DST#: 2**

ATTN: Tim Lauer

Test Start: 2012.07.11 @ 01:20:00

## 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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
124.00	vsmco-10%g10%m80%o	1.739
1150.00	go-30%g70%o	16.131
496.00	go-50%g50%o	6.958
0.00	930ft. gas in pipe	0.000

Total Length: 1770.00 ft

Total Volume: 24.828 bbl

Num Fluid Samples: 0

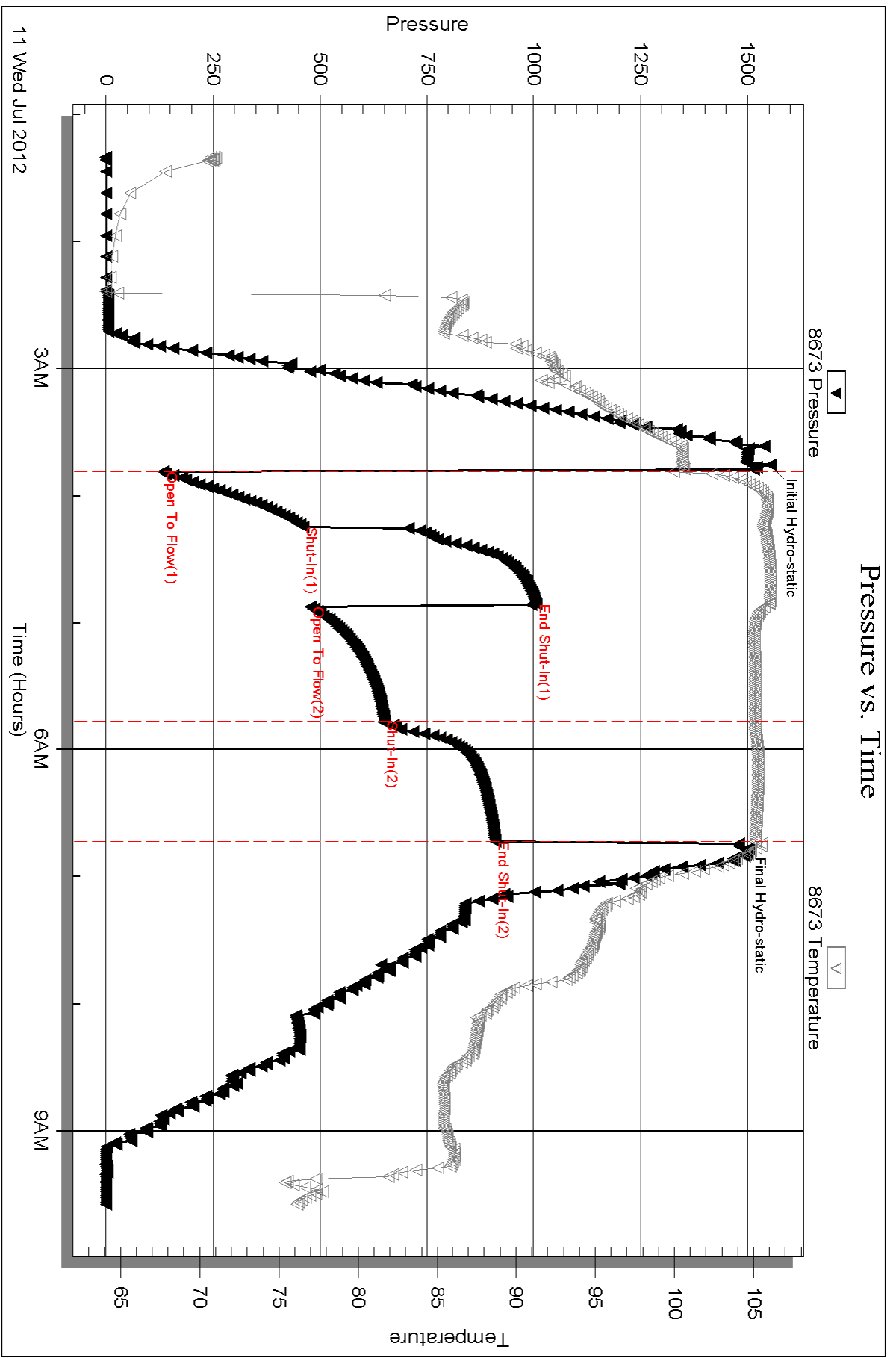
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St Suite 1500 Denver CO 80202

ATTN: Tim Lauer

### **Mongeau #18-1**

### **18 7s 18w Rooks,KS**

Start Date: 2012.07.11 @ 15:50:00

End Date: 2012.07.11 @ 23:05:00

Job Ticket #: 47379                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.19 @ 10:59:05



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Coral Production Corp.  
 1600 Stout St Suite 1500 Denver CO 80202  
 ATTN: Tim Lauer

**18 7s 18w Rooks, KS**  
**Mongeau #18-1**  
 Job Ticket: 47379 **DST#: 3**  
 Test Start: 2012.07.11 @ 15:50:00

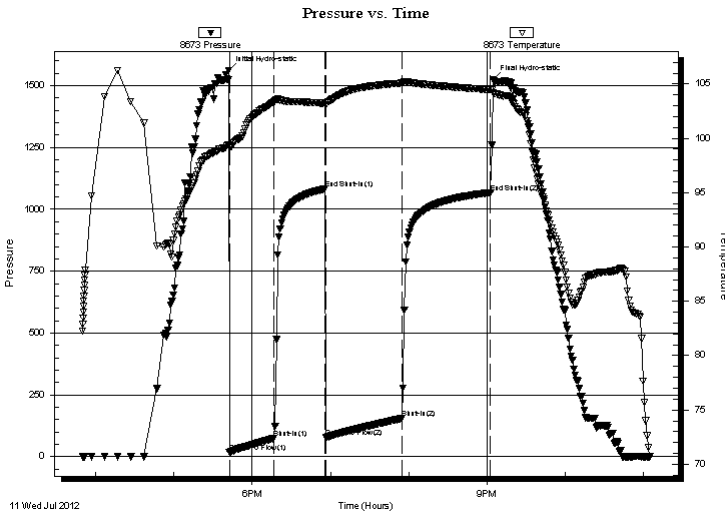
## GENERAL INFORMATION:

Formation: **LKC-EF**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:42:30  
 Time Test Ended: 23:05:00  
 Interval: **3209.00 ft (KB) To 3225.00 ft (KB) (TVD)**  
 Total Depth: 3225.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Kreuzer Jr.  
 Unit No: 61  
 Reference Elevations: 1943.00 ft (KB)  
 1933.00 ft (CF)  
 KB to GR/CF: 10.00 ft

**Serial #: 8673 Outside**  
 Press @ Run Depth: 154.53 psig @ 3212.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2012.07.11 End Date: 2012.07.11 Last Calib.: 2012.07.11  
 Start Time: 15:50:05 End Time: 23:04:59 Time On Btm: 2012.07.11 @ 17:42:00  
 Time Off Btm: 2012.07.11 @ 21:04:30

**TEST COMMENT:** IF: Fair blow , Built to B.O.B in 10 mins.  
 IS: No blow back  
 FF: Fair blow , Built to B.O.B in 12 mins.  
 FS: No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1561.91	99.41	Initial Hydro-static
1	18.70	99.11	Open To Flow (1)
35	73.88	103.32	Shut-In(1)
74	1082.41	103.23	End Shut-In(1)
75	77.46	102.99	Open To Flow (2)
133	154.53	105.06	Shut-In(2)
201	1067.96	104.47	End Shut-In(2)
203	1522.77	104.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	mcw -20%m80%w	1.81
124.00	vsocmw -10%o20%m70%w	1.81
124.00	ocw m-20%o20%w 60%m	1.81
144.00	go-20%g80%o	2.11
0.00	40 fi=t.gas in pipe	0.00

\* 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.  
1600 Stout St Suite 1500 Denver CO 80202  
ATTN: Tim Lauer

**18 7s 18w Rooks, KS**  
**Mongeau #18-1**  
Job Ticket: 47379      **DST#: 3**  
Test Start: 2012.07.11 @ 15:50:00

**Tool Information**

Drill Pipe:	Length: 3212.00 ft	Diameter: 3.88 inches	Volume: 46.97 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 46.97 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3209.00 ft			Final	51000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 ft				
Tool Length:	36.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Shut In Tool	5.00			3194.00	
Hydraulic tool	5.00			3199.00	
Packer	5.00			3204.00	20.00      Bottom Of Top Packer
Packer	5.00			3209.00	
Stubb	1.00			3210.00	
Perforations	2.00			3212.00	
Recorder	0.00	8791	Inside	3212.00	
Recorder	0.00	8673	Outside	3212.00	
Perforations	10.00			3222.00	
Bullnose	3.00			3225.00	16.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>36.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production Corp.  
1600 Stout St Suite 1500 Denver CO 80202  
ATTN: Tim Lauer

**18 7s 18w Rooks,KS**  
**Mongeau #18-1**  
Job Ticket: 47379      **DST#: 3**  
Test Start: 2012.07.11 @ 15:50:00

## 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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 2.00 inches			

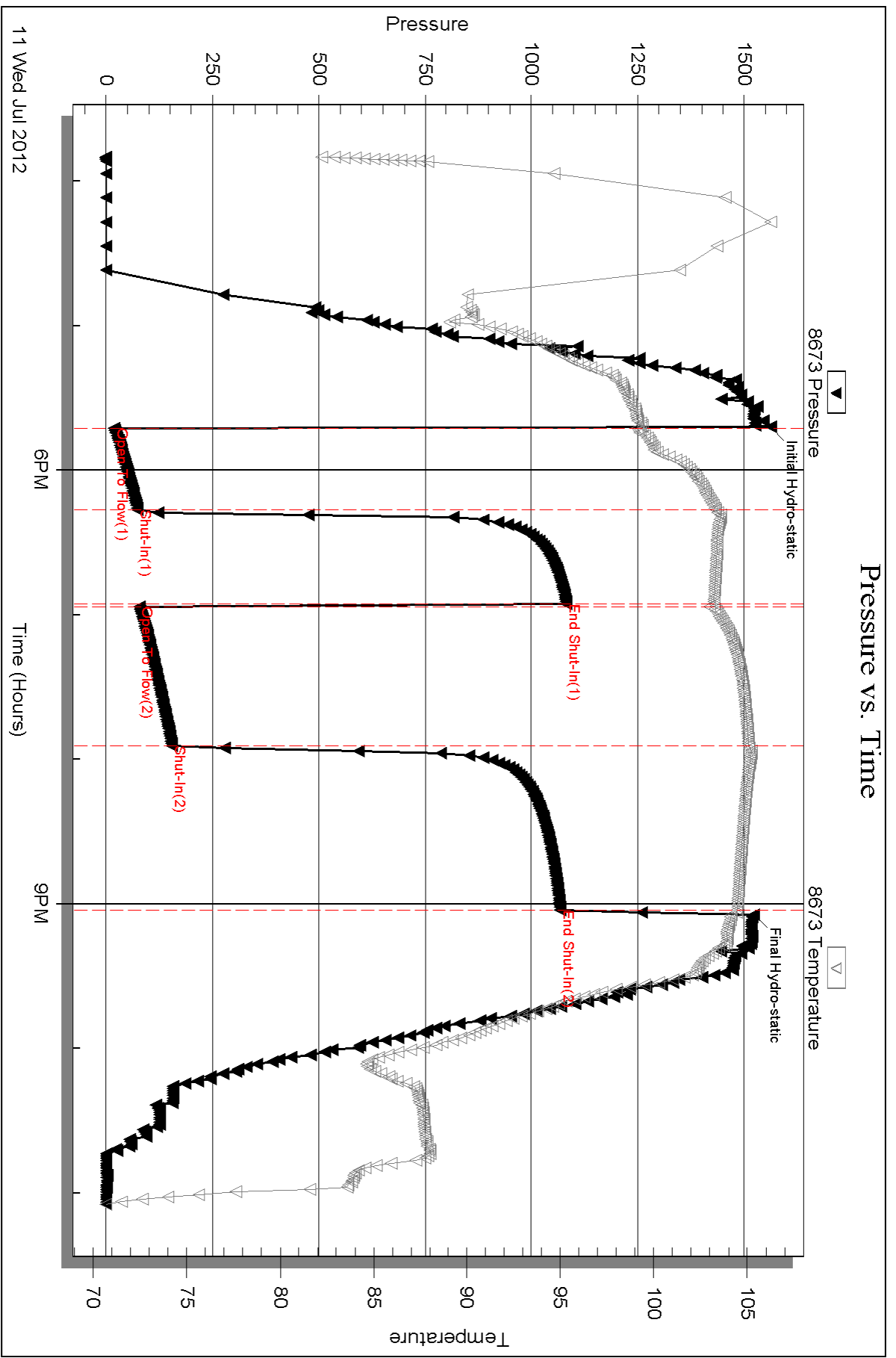
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	mcw -20%m80%w	1.813
124.00	vsocmw -10%o20%m70%w	1.813
124.00	ocw m-20%o20%w 60%m	1.813
144.00	go-20%g80%o	2.106
0.00	40 ft=.gas in pipe	0.000

Total Length: 516.00 ft      Total Volume: 7.545 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St Suite 1500 Denver CO 80202

ATTN: Tim Lauer

### **Mongeau #18-1**

#### **18 7s 18w Rooks,KS**

Start Date: 2012.07.12 @ 14:20:00

End Date: 2012.07.12 @ 22:12:30

Job Ticket #: 47380                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2012.07.19 @ 10:57:32



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Coral Production Corp.  
1600 Stout St Suite 1500 Denver CO 80202  
ATTN: Tim Lauer

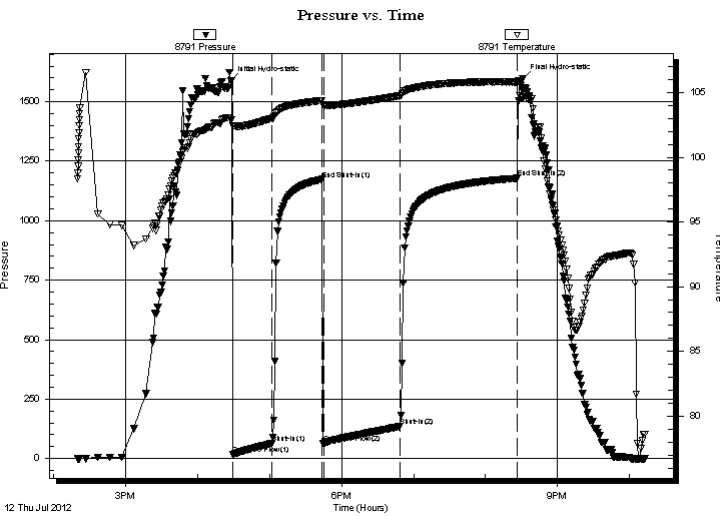
**18 7s 18w Rooks, KS**  
**Mongeau #18-1**  
Job Ticket: 47380      **DST#: 4**  
Test Start: 2012.07.12 @ 14:20:00

## GENERAL INFORMATION:

Formation: **LKC-H,I,J,K**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 16:29:30  
Time Test Ended: 22:12:30  
Interval: **3280.00 ft (KB) To 3350.00 ft (KB) (TVD)**  
Total Depth: 3350.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Chuck Kreuzer Jr.  
Unit No: 61  
Reference Elevations: 1943.00 ft (KB)  
1933.00 ft (CF)  
KB to GR/CF: 10.00 ft

**Serial #: 8791      Inside**  
Press @ Run Depth: 134.31 psig @ 3285.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2012.07.12      End Date: 2012.07.12      Last Calib.: 2012.07.12  
Start Time: 14:20:05      End Time: 22:12:29      Time On Btm: 2012.07.12 @ 16:27:30  
Time Off Btm: 2012.07.12 @ 20:31:00

**TEST COMMENT:** IF: Fair blow, Built to B.O.B in 20 mins.  
IS: Blow back, Built to 1 in. over 45 mins.  
FF: Fair blow, Built to B.O.B in 12 mins.  
FSI: Blow back after 5 mins. Built to 1/2 in. over 90 mins.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1587.31	102.92	Initial Hydro-static
2	16.63	102.47	Open To Flow (1)
34	62.62	103.01	Shut-In(1)
76	1173.77	104.39	End Shut-In(1)
78	64.41	104.03	Open To Flow (2)
141	134.31	104.74	Shut-In(2)
239	1178.43	105.82	End Shut-In(2)
244	1597.91	104.65	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	go-50%g50%o	2.61
62.00	vsgmco-20%g20%m60%o	0.87
124.00	go-20%g80%o	1.74
20.00	go-5%g95%o	0.28
0.00	310 ft. of gasn in pipe	0.00

\* 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.

**18 7s 18w Rooks,KS**

1600 Stout St Suite 1500 Denver CO 80202

**Mongeau #18-1**

Job Ticket: 47380

**DST#: 4**

ATTN: Tim Lauer

Test Start: 2012.07.12 @ 14:20:00

## Tool Information

Drill Pipe:	Length: 3273.00 ft	Diameter: 3.80 inches	Volume: 45.91 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 45.91 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3280.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	70.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3265.00	
Hydraulic tool	5.00			3270.00	
Packer	5.00			3275.00	20.00 Bottom Of Top Packer
Packer	5.00			3280.00	
Stubb	1.00			3281.00	
Perforations	3.00			3284.00	
Change Over Sub	1.00			3285.00	
Recorder	0.00	8791	Inside	3285.00	
Recorder	0.00	8673	Outside	3285.00	
Blank Spacing	31.00			3316.00	
Change Over Sub	1.00			3317.00	
Perforations	30.00			3347.00	
Bullnose	3.00			3350.00	70.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>		<b>90.00</b>			



**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production Corp.  
1600 Stout St Suite 1500 Denver CO 80202  
ATTN: Tim Lauer

**18 7s 18w Rooks, KS**  
**Mongeau #18-1**  
Job Ticket: 47380      **DST#: 4**  
Test Start: 2012.07.12 @ 14:20:00

## 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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 750.00 ppm			
Filter Cake: 2.00 inches			

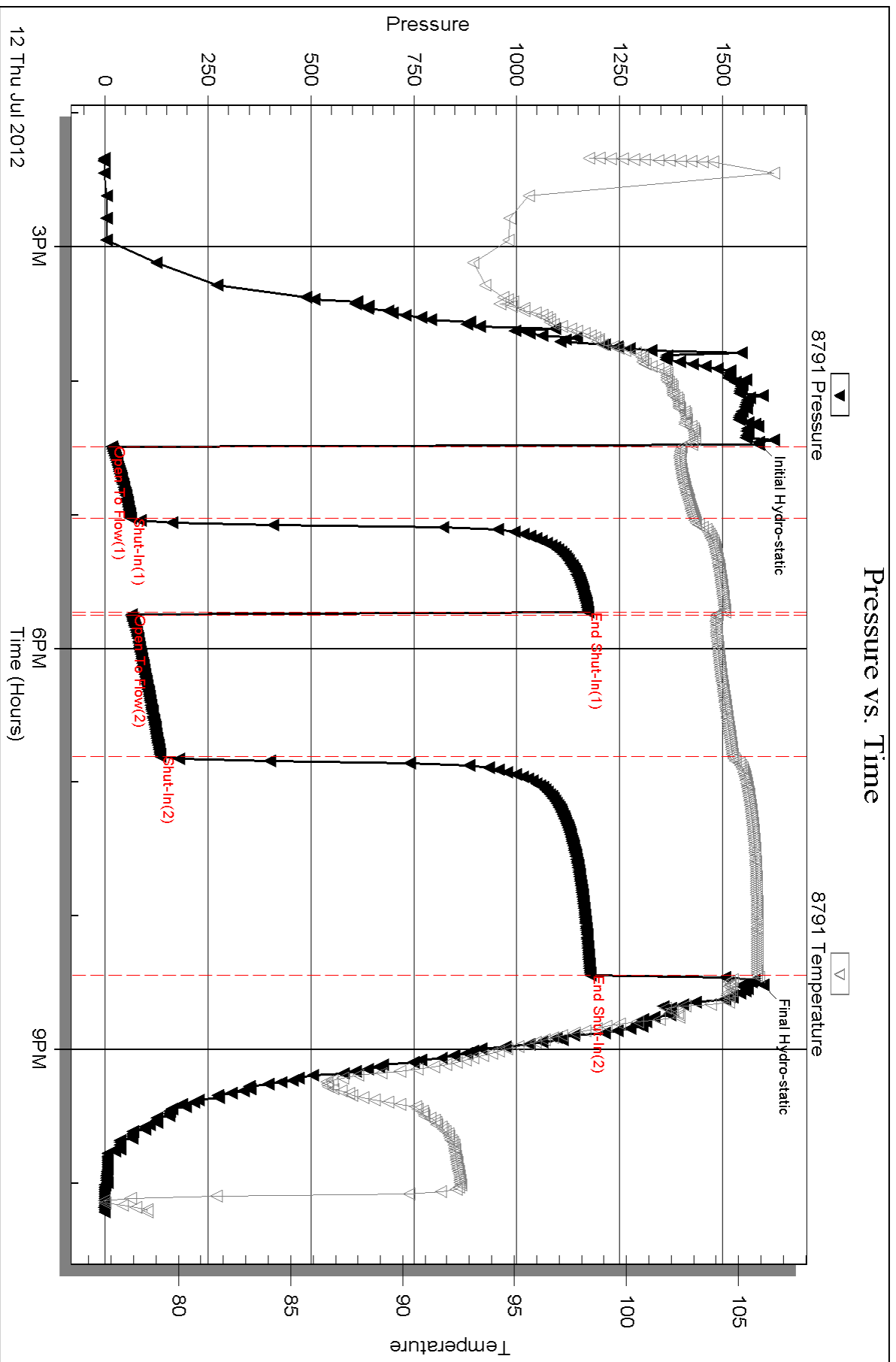
## Recovery Information

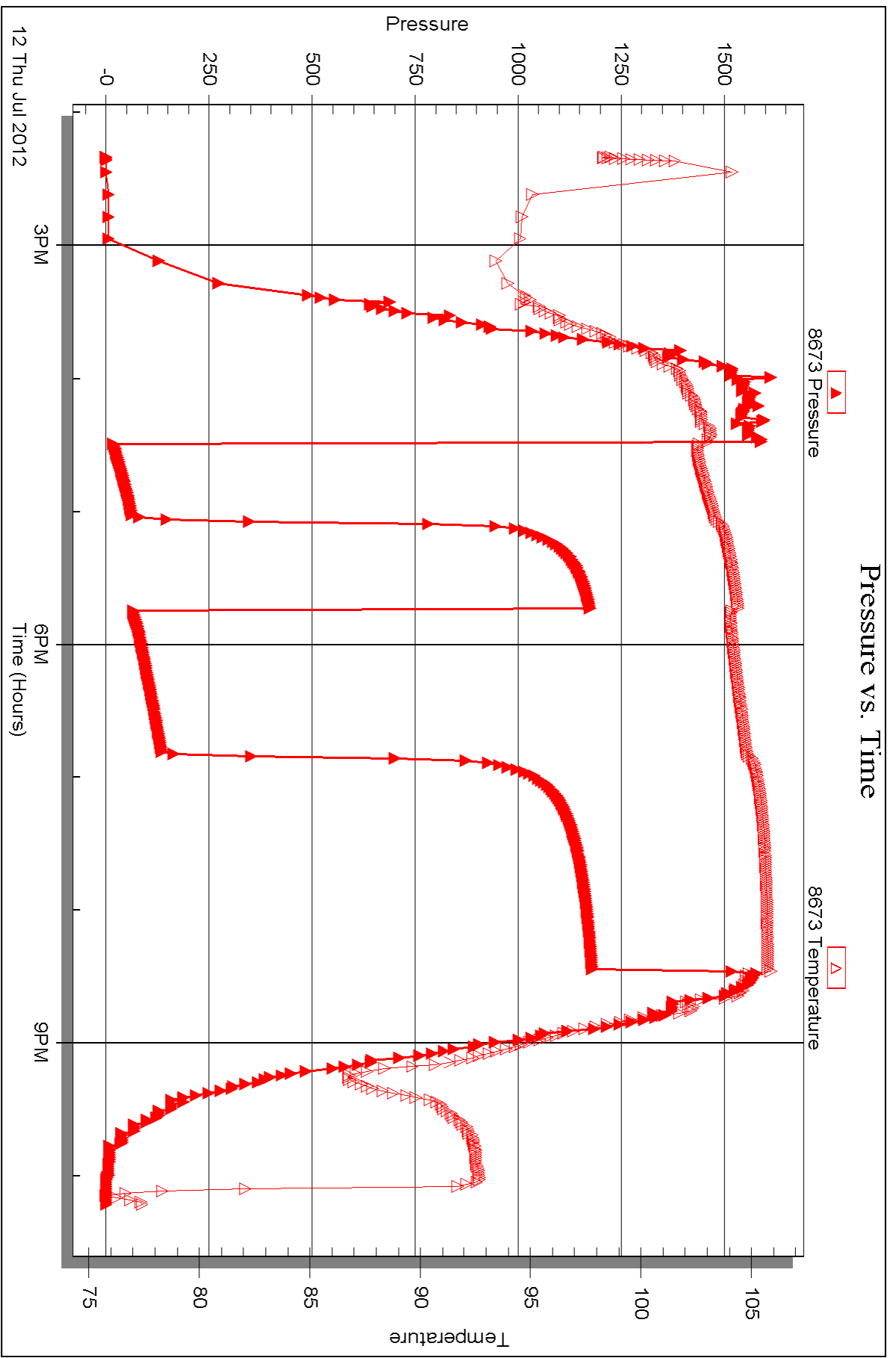
Recovery Table

Length ft	Description	Volume bbl
186.00	go-50%g50%o	2.609
62.00	vsgmco-20%g20%m60%o	0.870
124.00	go-20%g80%o	1.739
20.00	go-5%g95%o	0.281
0.00	310 ft. of gasn in pipe	0.000

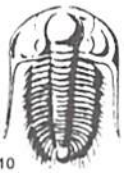
Total Length: 392.00 ft      Total Volume: 5.499 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time









# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. **46100**

4/10

Well Name & No. Mongeau # 18-1 Test No. 1 Date 7-10-2002  
 Company Coral Production Corp. Elevation 1943 KB 1933 GL  
 Address 1600 Stout St. Suite 1500 Denver, CO. 80202  
 Co. Rep / Geo. Tim Lauer Rig Maverick 108  
 Location: Sec. 18 Twp. 7S Rge. 18W Co. Rooks State KS

Interval Tested 3092 3160 Zone Tested Went for LKC-A-B zones  
 Anchor Length 68 Drill Pipe Run 3091 Mud Wt. 9.0  
 Top Packer Depth 3087 Drill Collars Run -0- Vis 45  
 Bottom Packer Depth 3092 Wt. Pipe Run -0- WL 8.0  
 Total Depth 3160 Chlorides 1000 ppm System LCM 3#

Blow Description IF: Weak blow, died in 10 mins.  
ISI: No blow back over 30 mins.  
FF: No blow over 30 mins.  
FSS: No blow back over 45 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>mud with oil specs</u>				

Rec Total 10 BHT 102 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1509  Test 1150 T-On Location 11:20  
 (B) First Initial Flow 11  Jars \_\_\_\_\_ T-Started 11:57  
 (C) First Final Flow 15  Safety Joint \_\_\_\_\_ T-Open 13:48  
 (D) Initial Shut-In 987  Circ Sub \_\_\_\_\_ T-Pulled 16:05  
 (E) Second Initial Flow 15  Hourly Standby \_\_\_\_\_ T-Out 17:17  
 (F) Second Final Flow 22  Mileage 20.2 = 180 x 1.55 100rt 155 Comments \_\_\_\_\_  
 (G) Final Shut-In 996  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1467  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1305  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1305

Approved By \_\_\_\_\_ Our Representative Chuck [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.

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## Test Ticket

NO. 47378

Well Name & No. Mongeau #18-1 Test No. 2 Date 7-11-2012  
 Company Coral Production Corp. Elevation 1943 KB 1933 GL  
 Address 1600 Stout St. Suite 1500 Denver Co. 80202  
 Co. Rep / Geo. Tim Lauer Rig Maverick 108  
 Location: Sec. 18 Twp. 7S Rge. 18W Co. Rooks State KS

Interval Tested 3160 3209 Zone Tested LKC-C, O  
 Anchor Length 49 Drill Pipe Run \_\_\_\_\_ Mud Wt. 9.0  
 Top Packer Depth 3155 Drill Collars Run - 0 - Vis 45  
 Bottom Packer Depth 3160 Wt. Pipe Run - 0 - WL 8.0  
 Total Depth 3209 Chlorides 1000 ppm System LCM 3#

Blow Description IF: Strong blow, Built to B.O.B in 45 sec.  
ISI: Bled off, Blow back after 30secs. Built to B.O.B in 25 mins.  
FF: Strong blow, Built to B.O.B in 45 secs.  
FSI: Bled off, Blow back after 30secs. Built to B.O.B in 45 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>930 Ft. gas in pipe</u>	<u>100%</u>			
<u>496</u>	<u>90</u>	<u>50%</u>	<u>50%</u>		
<u>1150</u>	<u>90</u>	<u>30%</u>	<u>70%</u>		
<u>124</u>	<u>USMCO</u>	<u>10%</u>	<u>50%</u>		<u>10%</u>
		%gas	%oil	%water	%mud

Rec Total 1770 BHT 105 Gravity 33 API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1554  Test 1150 T-On Location 1:00  
 (B) First Initial Flow 134  Jars \_\_\_\_\_ T-Started 1:20  
 (C) First Final Flow 461  Safety Joint \_\_\_\_\_ T-Open 3:48  
 (D) Initial Shut-In 1006  Circ Sub \_\_\_\_\_ T-Pulled 6:50  
 (E) Second Initial Flow 477  Hourly Standby \_\_\_\_\_ T-Out 9:35  
 (F) Second Final Flow 650  Mileage 90x2 = 180x1.55 155 Comments \_\_\_\_\_  
 (G) Final Shut-In 911  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1480  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1305  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1305

Approved By \_\_\_\_\_ Our Representative Chuck Hylton

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# TRILOBITE TESTING INC.

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## Test Ticket

NO. 47379

Well Name & No. Mongean #18-1 Test No. 3 Date 7-11-2012  
 Company Coral Production Corp Elevation 1943 KB 1933 GL  
 Address 1600 Stuart St. suite 1500 Denver Co. 80202  
 Co. Rep / Geo. Tim Lauer Rig Mavrick #108  
 Location: Sec. 18 Twp. 7S Rge. 18W Co. Roots State KS

Interval Tested 3209 3225 Zone Tested LKC-E,F  
 Anchor Length 16 Drill Pipe Run 3212 Mud Wt. 9.0  
 Top Packer Depth 3204 Drill Collars Run -0- Vis 45  
 Bottom Packer Depth 3209 Wt. Pipe Run -0- WL 8.0  
 Total Depth 3225 Chlorides 1000 ppm System LCM 3#

Blow Description IF: Fair blow, Built to B.O.B in 10 mins.  
ISS: No blow back  
FF: Fair blow, Built to B.O.B in 12 mins.  
FSI: No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>40 gas in pipe</u>	<u>100</u>			
<u>144</u>	<u>90</u>	<u>20</u>	<u>80</u>		
<u>124</u>	<u>OCWM</u>		<u>20</u>	<u>20</u>	<u>60</u>
<u>124</u>	<u>VSOCMW</u>		<u>10</u>	<u>70</u>	<u>20</u>
<u>124</u>	<u>MCW</u>		<u>80</u>		<u>20</u>

Rec Total 516 BHT 104 Gravity 33 API RW .048 @ 70 °F Chlorides 80,000 ppm

(A) Initial Hydrostatic 1562  Test 1150 T-On Location 15:00  
 (B) First Initial Flow 19  Jars T-Started 15:50  
 (C) First Final Flow 74  Safety Joint T-Open 17:42  
 (D) Initial Shut-In 1082  Circ Sub T-Pulled 21:00 ~~20:50~~  
 (E) Second Initial Flow 77  Hourly Standby T-Out 23:05  
 (F) Second Final Flow 155  Mileage 90x2 = 180x1.55 155 Comments \_\_\_\_\_  
 (G) Final Shut-In 1068  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1523  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 60

Sub Total 1305  
 Total 1305  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_

Our Representative Chuck Huggins



# TRILOBITE TESTING INC.

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## Test Ticket

NO. 47380

Well Name & No. Mongean #15-1 Test No. 4 Date 7-12-2012  
 Company Coral Production Corp. Elevation 1947 KB 1933 GL  
 Address 1600 Stout St - Suite 1500 Denver Co. 80202  
 Co. Rep / Geo. Tim Lower Rig Maurick #158  
 Location: Sec. 18 Twp. 7S Rge. 18W Co. Rooks State KS

Interval Tested 3280 3350 Zone Tested LKC - H, I, J, K  
 Anchor Length 20 Drill Pipe Run 3273 Mud Wt. 8.9  
 Top Packer Depth 3275 Drill Collars Run -0- Vis 48  
 Bottom Packer Depth 3280 Wt. Pipe Run -0- WL 8.0  
 Total Depth 3350 Chlorides 750 ppm System LCM 2#

Blow Description IF: Fair Blow B.O.B in 20 mins.  
ISS: Bled off Blow back built to 1 in over 45 mins  
FF: Fair blow, Built to <sup>B.O.B</sup> in 12 mins.

FSF: Bled off Blow back after 5 mins Built to 1/2 in over 40 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>gas in pipe</u>	<u>100</u>			
<u>20</u>	<u>90</u>	<u>5</u>	<u>95</u>		
<u>184</u>	<u>90</u>	<u>20</u>	<u>80</u>		
<u>62</u>	<u>vs gmc</u>	<u>20</u>	<u>80</u>		<u>20</u>
<u>186</u>	<u>90</u>	<u>50</u>	<u>50</u>		

Rec Total 392 BHT 105 Gravity 30 API RW @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1587  Test 1150 T-On Location 17:30  
 (B) First Initial Flow 17  Jars \_\_\_\_\_ T-Started 17:20  
 (C) First Final Flow 63  Safety Joint \_\_\_\_\_ T-Open 16:29  
 (D) Initial Shut-In 1174  Circ Sub \_\_\_\_\_ T-Pulled 20:50  
 (E) Second Initial Flow 64  Hourly Standby \_\_\_\_\_ T-Out 22:12  
 (F) Second Final Flow 134  Mileage 90x2 = 180x1.55 155  
 (G) Final Shut-In 1178  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1598  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Ruined Packer 320  
 Extra Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_  
 Accessibility \_\_\_\_\_  
 Sub Total 1305

Comments Loaded tools at 7:20 on 7-13-2012

Sub Total 1625 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative Chuck Kutz

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