



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout ST STE 1500
Denver CO 80202

ATTN: Tim Lauer

Griebel #16-3

16-7s-19w Rooks,KS

Start Date: 2015.01.20 @ 19:35:00

End Date: 2015.01.21 @ 02:35:30

Job Ticket #: 53838 DST #: 1

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

Printed: 2015.01.25 @ 18:03:29



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Corp.

16-7s-19w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53838

DST#: 1

ATTN: Tim Lauer

Test Start: 2015.01.20 @ 19:35:00

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:06:45

Time Test Ended: 02:35:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 81

Interval: 3062.00 ft (KB) To 3080.00 ft (KB) (TVD)

Reference Elevations: 1933.00 ft (KB)

Total Depth: 3080.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8736 Outside

Press@RunDepth: 44.91 psig @ 3063.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.20

End Date:

2015.01.21

Last Calib.: 2015.01.21

Start Time: 19:35:05

End Time:

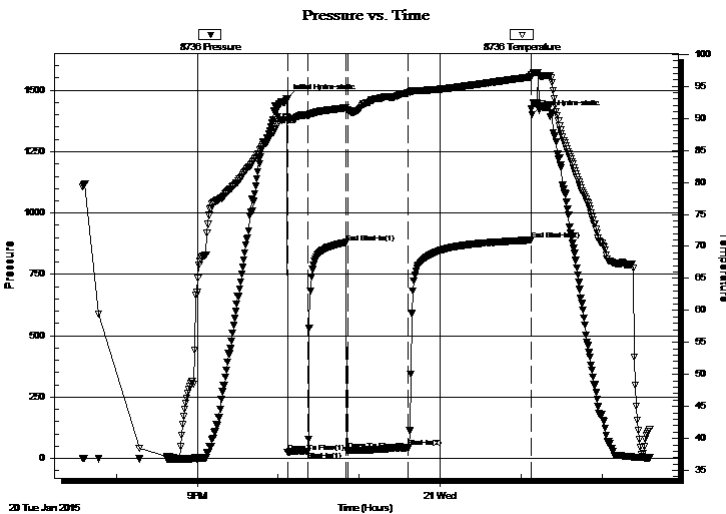
02:35:29

Time On Btm: 2015.01.20 @ 22:06:00

Time Off Btm: 2015.01.21 @ 01:08:00

TEST COMMENT: IF-3/4" blow
IS-No blow
FF-1/4" blow
FS-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1465.82	90.21	Initial Hydro-static
1	25.73	89.60	Open To Flow (1)
16	29.46	90.47	Shut-In(1)
45	880.34	91.66	End Shut-In(1)
46	31.88	91.35	Open To Flow (2)
91	44.91	94.01	Shut-In(2)
181	889.85	96.46	End Shut-In(2)
182	1401.55	96.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	MCW 20%M 80%W	0.46

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

16-7s-19w Rooks, KS
Griebel #16-3
Job Ticket: 53838 **DST#: 1**
Test Start: 2015.01.20 @ 19:35:00

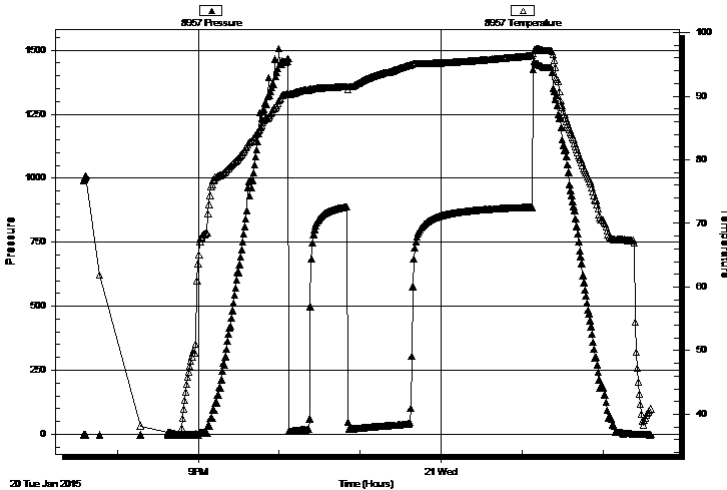
GENERAL INFORMATION:

Formation:	Oread	Test Type:	Conventional Bottom Hole (Initial)
Deviated:	No Whipstock:	ft (KB)	
Time Tool Opened:	22:06:45	Tester:	Brett Dickinson
Time Test Ended:	02:35:30	Unit No:	81
Interval:	3062.00 ft (KB) To 3080.00 ft (KB) (TVD)	Reference Elevations:	1933.00 ft (KB)
Total Depth:	3080.00 ft (KB) (TVD)		1926.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition:	Fair
		KB to GR/CF:	7.00 ft

Serial #: 8957	Inside		
Press@RunDepth:	psig @ 3063.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2015.01.20	End Date:	2015.01.21
Start Time:	19:35:05	End Time:	02:35:29
		Last Calib.:	2015.01.21
		Time On Btm:	
		Time Off Btm:	

TEST COMMENT: IF-3/4" blow
IS-No blow
FF-1/4" blow
FS-No blow

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
65.00	MCW 20%M 80%W	0.46

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Coral Production Corp.

16-7s-19w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53838

DST#: 1

ATTN: Tim Lauer

Test Start: 2015.01.20 @ 19:35:00

Tool Information

Drill Pipe:	Length: 2755.00 ft	Diameter: 3.80 inches	Volume: 38.65 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.70 inches	Volume: 2.20 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 40.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3062.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3047.00	
Hydraulic tool	5.00			3052.00	
Packer	5.00			3057.00	20.00 Bottom Of Top Packer
Packer	5.00			3062.00	
Packer - Shale	0.00			3062.00	
Stubb	1.00			3063.00	
Recorder	0.00	8957	Inside	3063.00	
Recorder	0.00	8736	Outside	3063.00	
Perforations	14.00			3077.00	
Bullnose	3.00			3080.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

16-7s-19w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53838

DST#: 1

ATTN: Tim Lauer

Test Start: 2015.01.20 @ 19:35:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	MCW 20%M 80%W	0.460

Total Length: 65.00 ft Total Volume: 0.460 bbl

Num Fluid Samples: 0

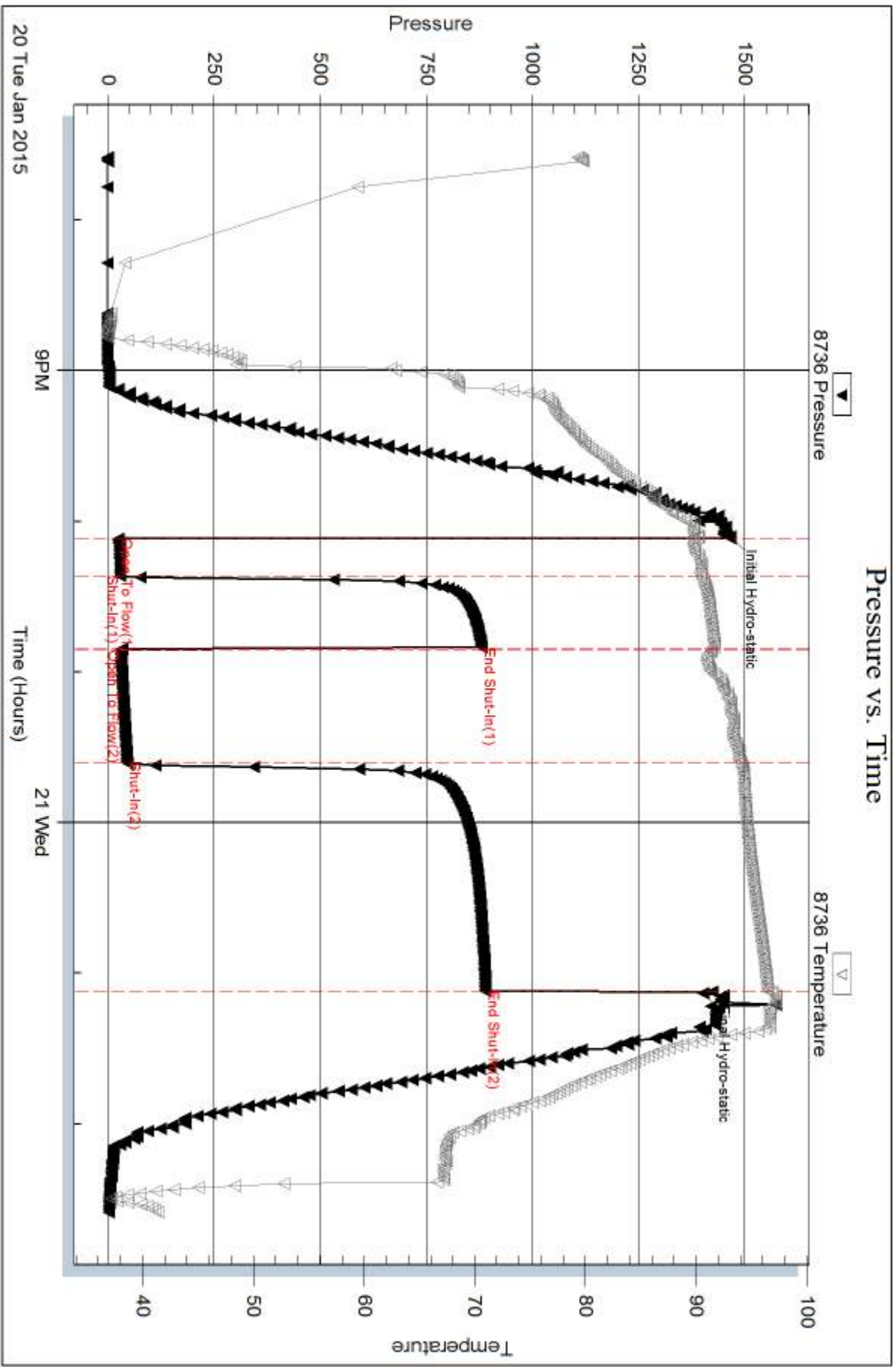
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



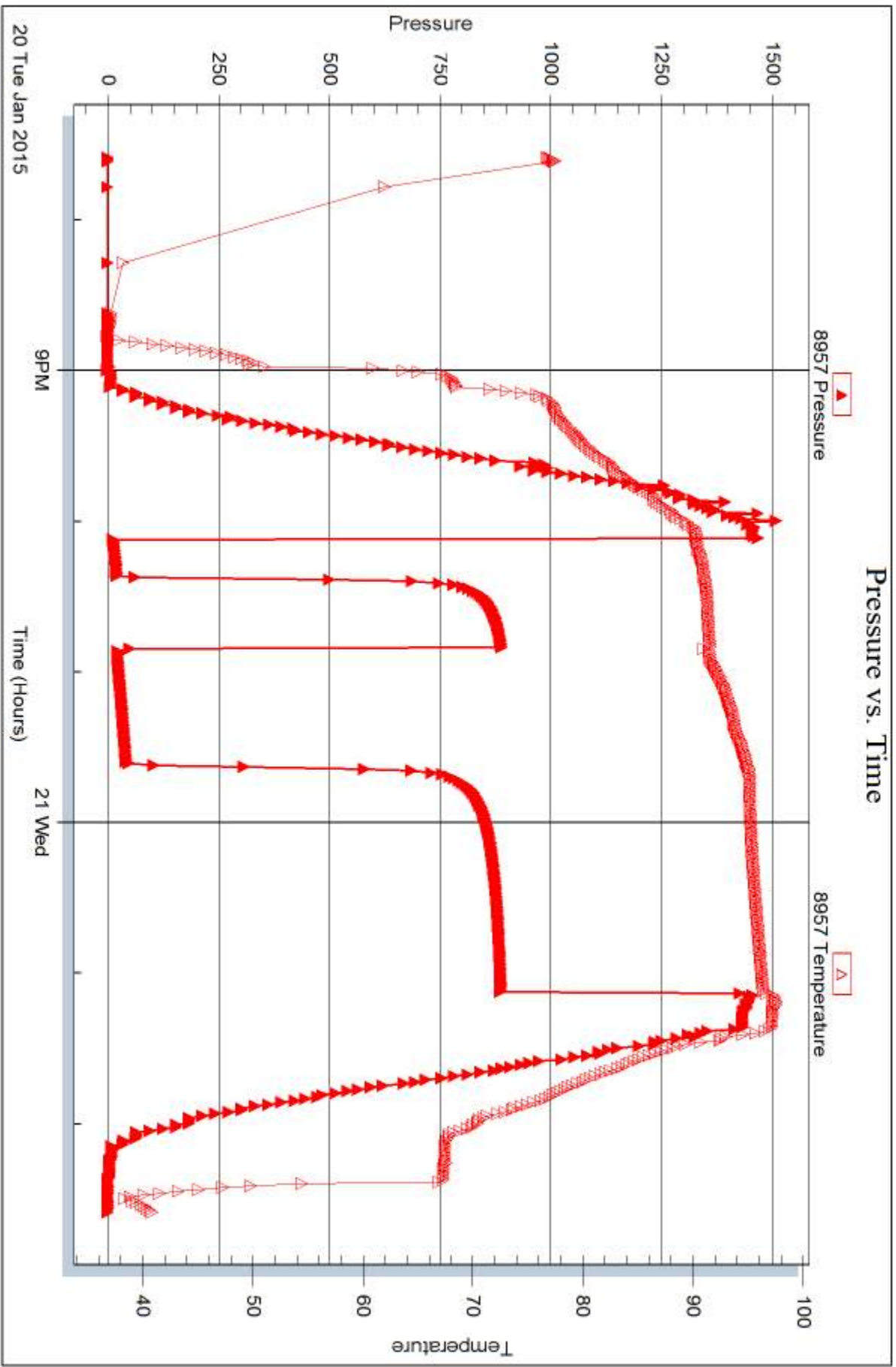
Serial #: 8957

Inside

Coral Production Corp.

Griebe1 #16-3

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout ST STE 1500
Denver CO 80202

ATTN: Tim Lauer

Griebel #16-3

16-7s-19w Rooks,KS

Start Date: 2015.01.21 @ 15:40:00

End Date: 2015.01.21 @ 21:50:15

Job Ticket #: 53839 DST #: 2

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

Printed: 2015.01.25 @ 18:03:06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Corp.

16-7s-19w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53839

DST#: 2

ATTN: Tim Lauer

Test Start: 2015.01.21 @ 15:40:00

GENERAL INFORMATION:

Formation: **Toronto - LKC F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:56:45

Time Test Ended: 21:50:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 81

Interval: 3120.00 ft (KB) To 3224.00 ft (KB) (TVD)

Reference Elevations: 1933.00 ft (KB)

Total Depth: 3224.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8736 Outside

Press@RunDepth: 23.66 psig @ 3121.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.21

End Date:

2015.01.21

Last Calib.:

2015.01.21

Start Time: 15:40:05

End Time:

21:50:14

Time On Btm:

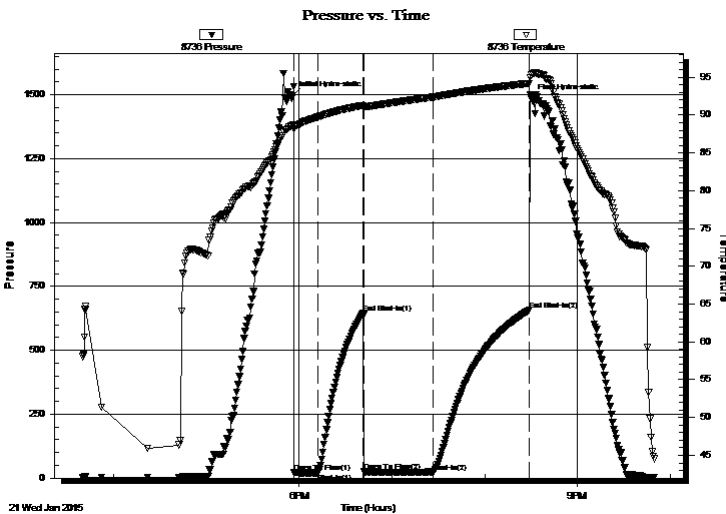
2015.01.21 @ 17:55:45

Time Off Btm:

2015.01.21 @ 20:30:15

TEST COMMENT: IF-1" blow
IS-No blow
FF-Weak surface blow
FS-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1496.26	88.64	Initial Hydro-static
1	23.05	88.18	Open To Flow (1)
17	20.17	89.74	Shut-In(1)
46	644.18	91.27	End Shut-In(1)
46	25.21	91.02	Open To Flow (2)
91	23.66	92.39	Shut-In(2)
153	657.44	94.19	End Shut-In(2)
155	1484.60	95.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud	0.11

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

16-7s-19w Rooks, KS

Griebel #16-3

Job Ticket: 53839 **DST#: 2**

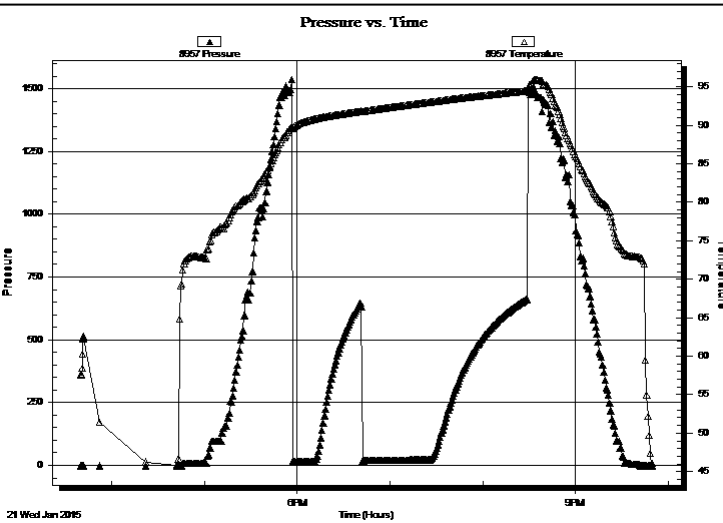
Test Start: 2015.01.21 @ 15:40:00

GENERAL INFORMATION:

Formation:	Toronto - LKC F	
Deviated:	No Whipstock:	ft (KB)
Time Tool Opened:	17:56:45	Test Type: Conventional Bottom Hole (Reset)
Time Test Ended:	21:50:15	Tester: Brett Dickinson
		Unit No: 81
Interval:	3120.00 ft (KB) To 3224.00 ft (KB) (TVD)	Reference Elevations: 1933.00 ft (KB)
Total Depth:	3224.00 ft (KB) (TVD)	1926.00 ft (CF)
Hole Diameter:	7.88 inches	Hole Condition: Fair
		KB to GR/CF: 7.00 ft

Serial #: 8957	Inside				
Press@RunDepth:	psig @	3121.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2015.01.21	End Date:	2015.01.21	Last Calib.:	2015.01.21
Start Time:	15:40:05	End Time:	21:50:14	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: IF-1" blow
IS-No blow
FF-Weak surface blow
FS-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud	0.11

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.

16-7s-19w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53839

DST#: 2

ATTN: Tim Lauer

Test Start: 2015.01.21 @ 15:40:00

Tool Information

Drill Pipe:	Length: 2818.00 ft	Diameter: 3.80 inches	Volume: 39.53 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.70 inches	Volume: 2.20 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 41.73 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3120.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	104.00 ft			
Tool Length:	124.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3105.00	
Hydraulic tool	5.00			3110.00	
Packer	5.00			3115.00	20.00 Bottom Of Top Packer
Packer	5.00			3120.00	
Packer - Shale	0.00			3120.00	
Stubb	1.00			3121.00	
Recorder	0.00	8957	Inside	3121.00	
Recorder	0.00	8736	Outside	3121.00	
Perforations	4.00			3125.00	
Change Over Sub	1.00			3126.00	
Blank Spacing	94.00			3220.00	
Change Over Sub	1.00			3221.00	
Bullnose	3.00			3224.00	104.00 Bottom Packers & Anchor

Total Tool Length: 124.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

16-7s-19w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53839

DST#: 2

ATTN: Tim Lauer

Test Start: 2015.01.21 @ 15:40:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud	0.106

Total Length: 15.00 ft Total Volume: 0.106 bbl

Num Fluid Samples: 0

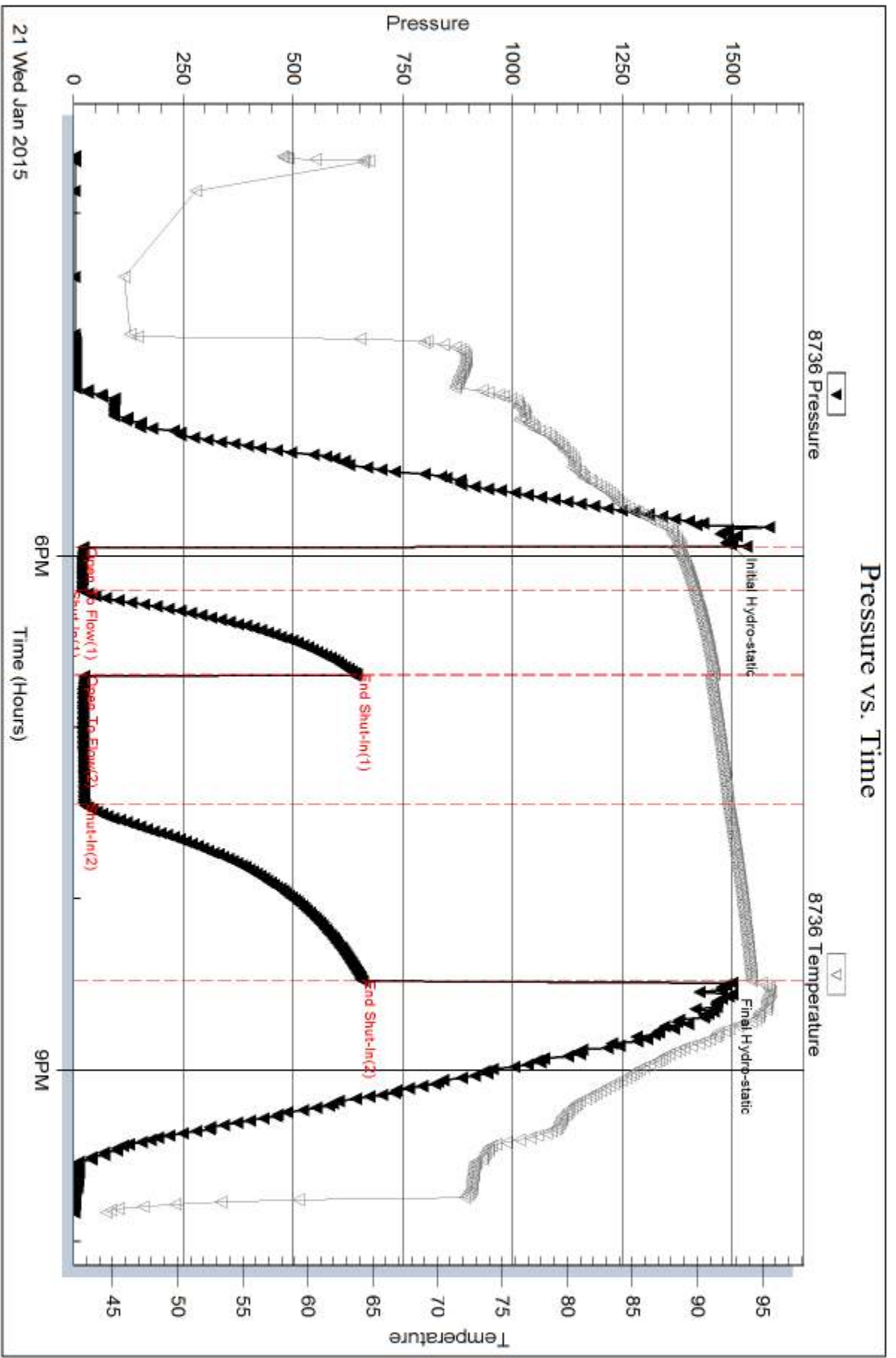
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



21 Wed Jan 2015

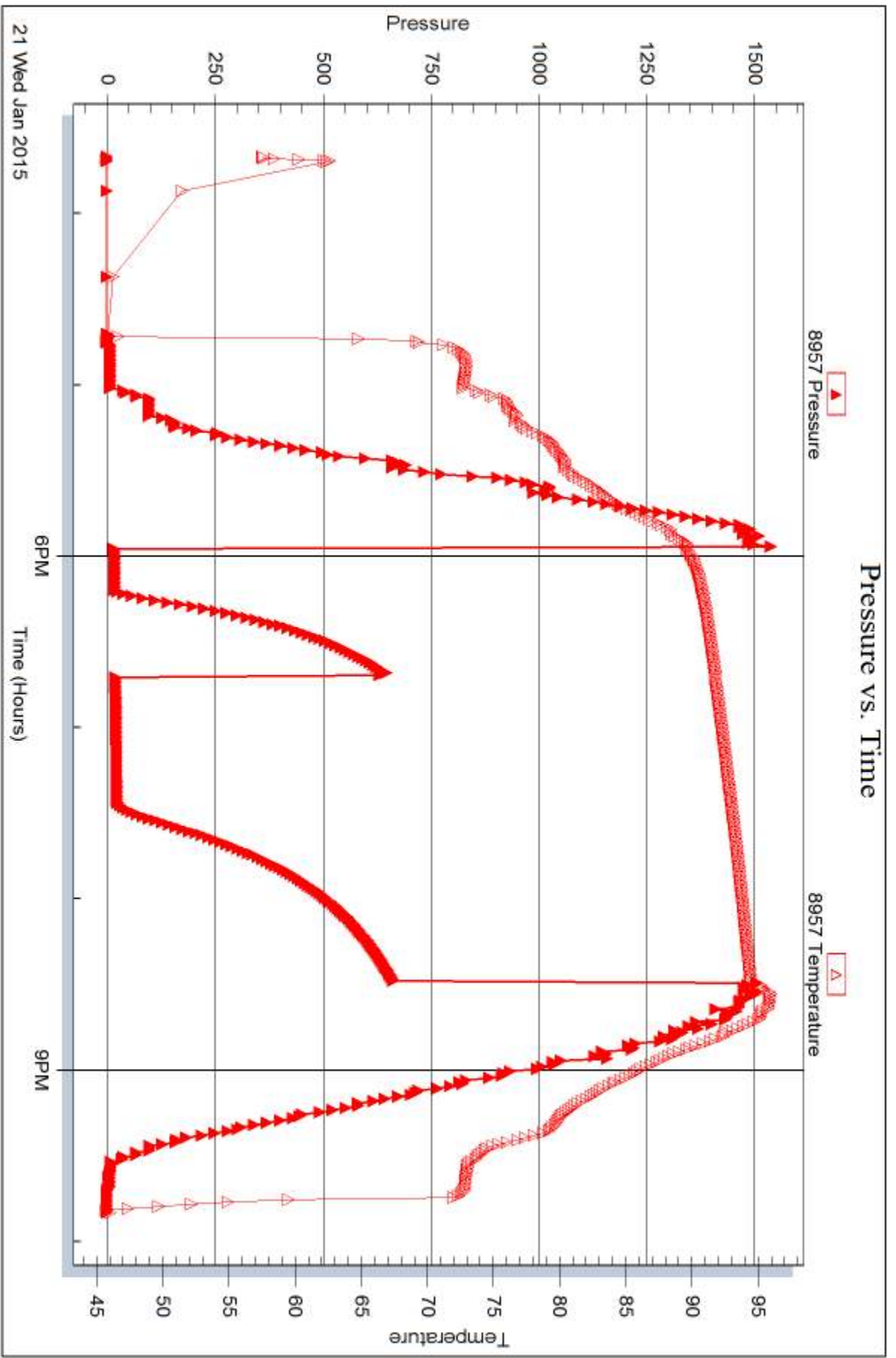
Serial #: 8957

Inside

Coral Production Corp.

Griebe#16-3

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 53839

Printed: 2015.01.25 @ 18:03:07



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout ST STE 1500
Denver CO 80202

ATTN: Tim Lauer

Griebel #16-3

16-7s-19w Rooks,KS

Start Date: 2015.01.22 @ 11:40:00

End Date: 2015.01.22 @ 18:08:00

Job Ticket #: 53840 DST #: 3

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

Printed: 2015.01.25 @ 18:02:44



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Coral Production Corp.

16-7s-19w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53840

DST#: 3

ATTN: Tim Lauer

Test Start: 2015.01.22 @ 11:40:00

GENERAL INFORMATION:

Formation: **KC"H-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:54:45

Time Test Ended: 18:08:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 81

Interval: 3246.00 ft (KB) To 3355.00 ft (KB) (TVD)

Reference Elevations: 1933.00 ft (KB)

Total Depth: 3355.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8736 Outside

Press@RunDepth: 41.69 psig @ 3247.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.22

End Date: 2015.01.22

Last Calib.: 2015.01.22

Start Time: 11:40:05

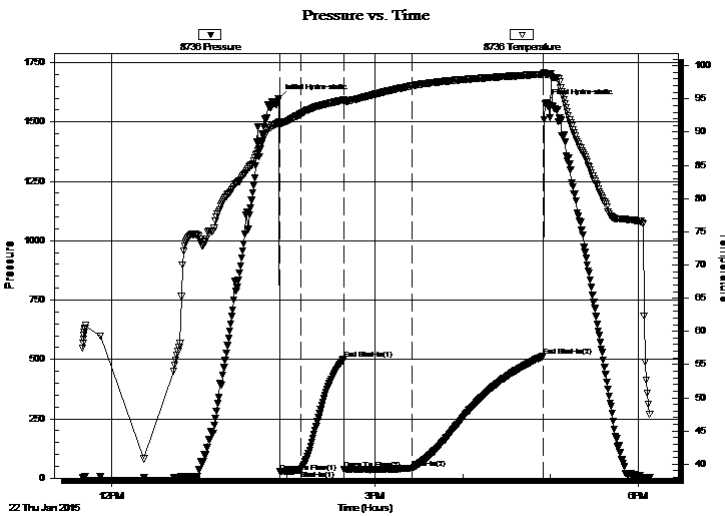
End Time: 18:07:59

Time On Btm: 2015.01.22 @ 13:54:00

Time Off Btm: 2015.01.22 @ 16:56:30

TEST COMMENT: IF-2" blow
IS-No blow
FF-1" blow
FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1596.76	91.45	Initial Hydro-static
1	26.02	91.17	Open To Flow (1)
15	33.56	92.72	Shut-In(1)
45	500.29	94.82	End Shut-In(1)
45	36.11	94.67	Open To Flow (2)
92	41.69	96.98	Shut-In(2)
181	513.95	98.73	End Shut-In(2)
183	1577.95	98.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	Mud	0.39

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Coral Production Corp.

16-7s-19w Rooks, KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53840

DST#: 3

ATTN: Tim Lauer

Test Start: 2015.01.22 @ 11:40:00

GENERAL INFORMATION:

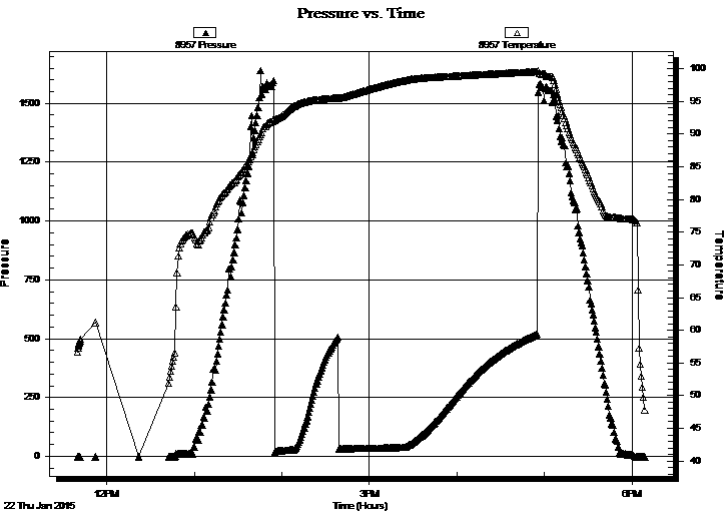
Formation: **KC"H-L"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:54:45
 Time Test Ended: 18:08:00
 Interval: **3246.00 ft (KB) To 3355.00 ft (KB) (TVD)**
 Total Depth: 3355.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 81
 Reference Elevations: 1933.00 ft (KB)
 1926.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8957

Inside

Press@RunDepth: psig @ 3247.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.22 End Date: 2015.01.22 Last Calib.: 2015.01.22
 Start Time: 11:40:05 End Time: 18:08:29 Time On Btm:
 Time Off Btm:

TEST COMMENT: IF-2" blow
 IS-No blow
 FF-1" blow
 FS-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
55.00	Mud	0.39

* 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.

16-7s-19w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53840

DST#: 3

ATTN: Tim Lauer

Test Start: 2015.01.22 @ 11:40:00

Tool Information

Drill Pipe:	Length: 2944.00 ft	Diameter: 3.80 inches	Volume: 41.30 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.70 inches	Volume: 2.20 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 43.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3246.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	109.00 ft			
Tool Length:	129.00 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			3231.00	
Hydraulic tool	5.00			3236.00	
Packer	5.00			3241.00	20.00 Bottom Of Top Packer
Packer	5.00			3246.00	
Packer - Shale	0.00			3246.00	
Stubb	1.00			3247.00	
Recorder	0.00	8957	Inside	3247.00	
Recorder	0.00	8736	Outside	3247.00	
Perforations	9.00			3256.00	
Change Over Sub	1.00			3257.00	
Blank Spacing	94.00			3351.00	
Change Over Sub	1.00			3352.00	
Bullnose	3.00			3355.00	109.00 Bottom Packers & Anchor

Total Tool Length: 129.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

16-7s-19w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53840

DST#: 3

ATTN: Tim Lauer

Test Start: 2015.01.22 @ 11:40:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	Mud	0.389

Total Length: 55.00 ft Total Volume: 0.389 bbl

Num Fluid Samples: 0

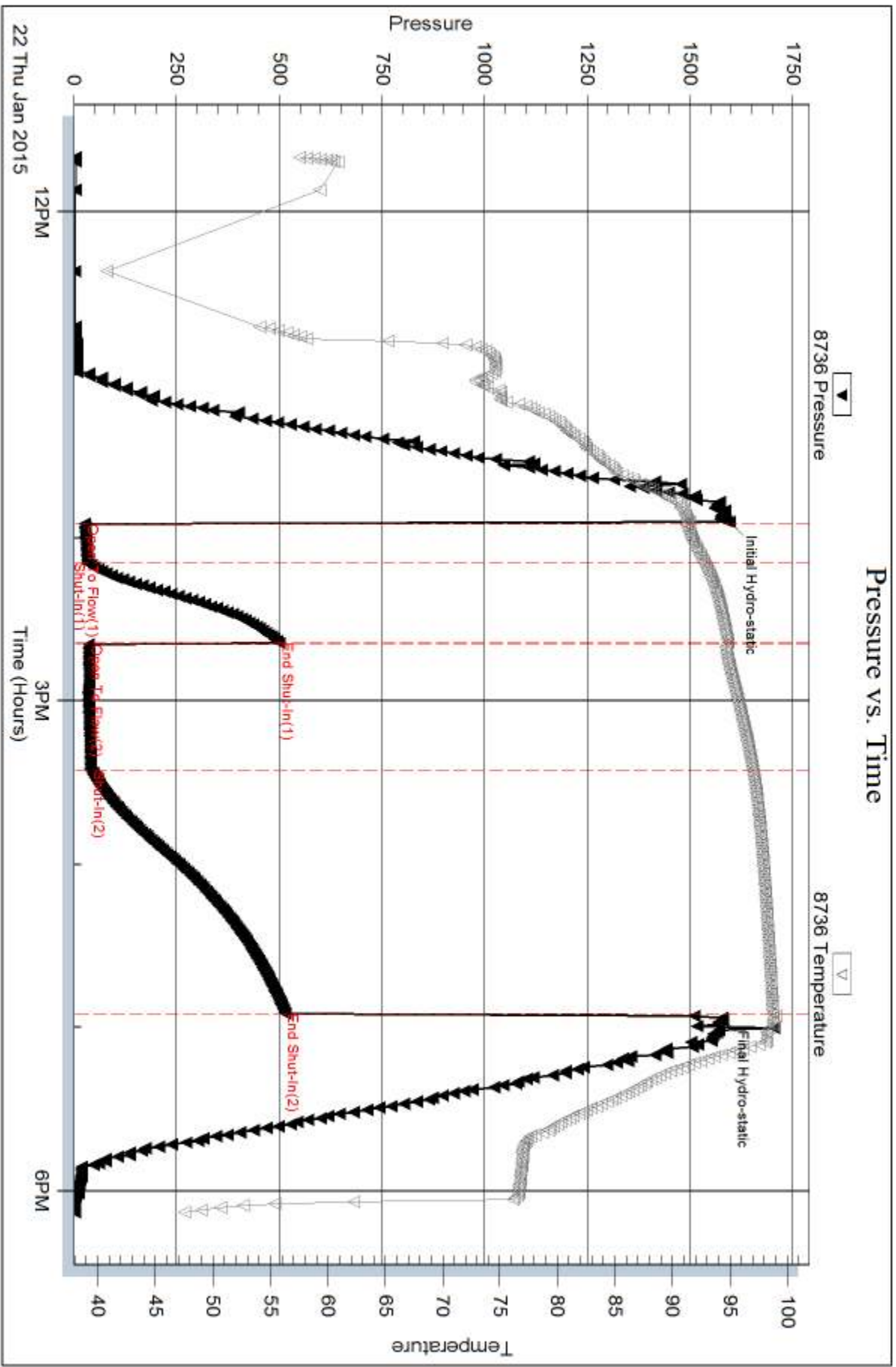
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



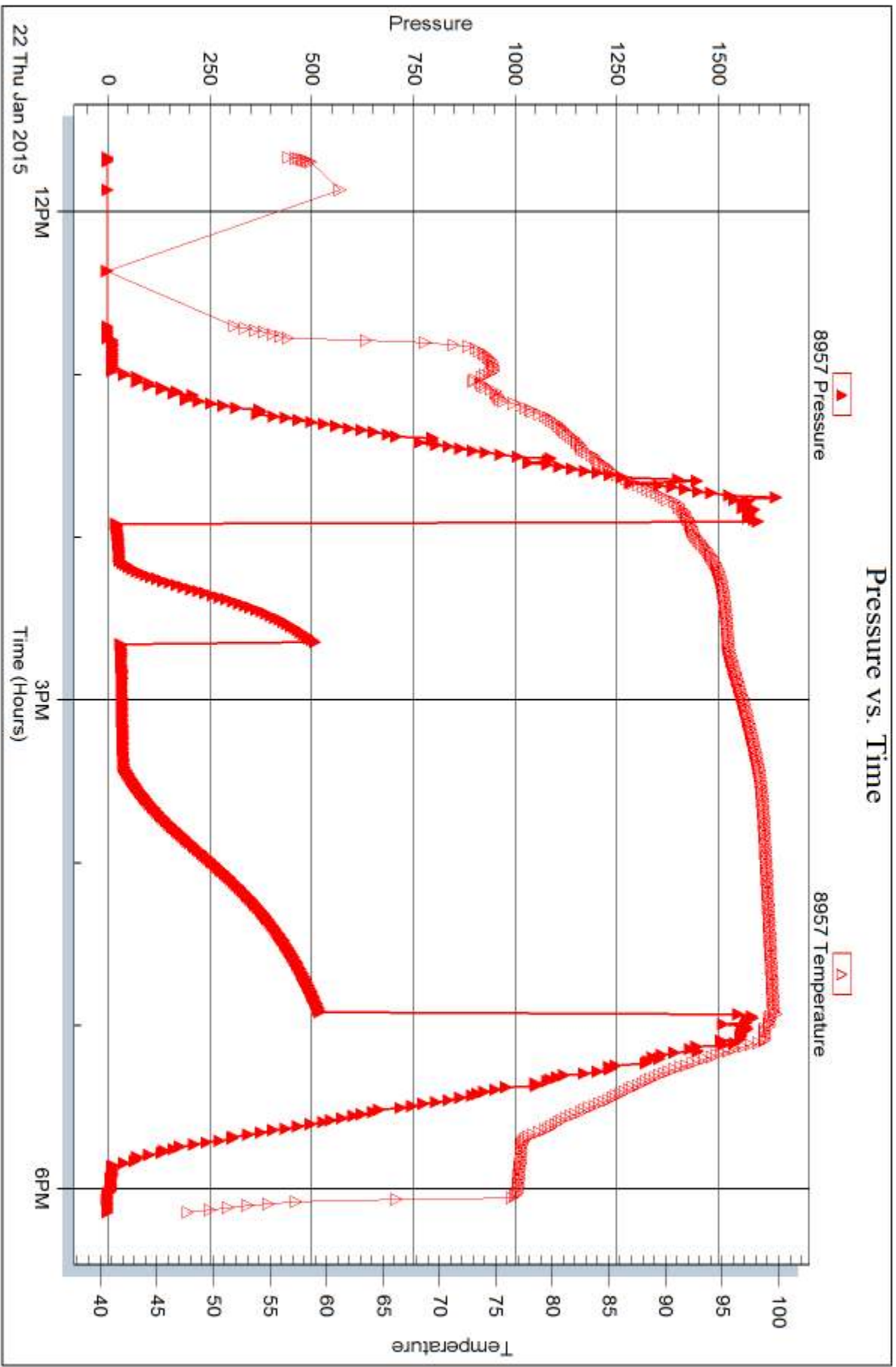
Serial #: 8957

Inside

Coral Production Corp.

Griebel #16-3

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 53840

Printed: 2015.01.25 @ 18:02:46



DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout ST STE 1500
Denver CO 80202

ATTN: Tim Lauer

Griebel #16-3

16-7s-19w Rooks,KS

Start Date: 2015.01.23 @ 03:55:00

End Date: 2015.01.23 @ 10:41:45

Job Ticket #: 53841 DST #: 4

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

Printed: 2015.01.25 @ 18:01:57



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Coral Production Corp.

16-7s-19w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53841

DST#: 4

ATTN: Tim Lauer

Test Start: 2015.01.23 @ 03:55:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:50:30

Time Test Ended: 10:41:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 81

Interval: 3386.00 ft (KB) To 3408.00 ft (KB) (TVD)

Reference Elevations: 1933.00 ft (KB)

Total Depth: 3408.00 ft (KB) (TVD)

1926.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: 8736 Outside

Press@RunDepth: 17.62 psig @ 3387.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2015.01.23

End Date: 2015.01.23

Last Calib.: 2015.01.23

Start Time: 03:55:05

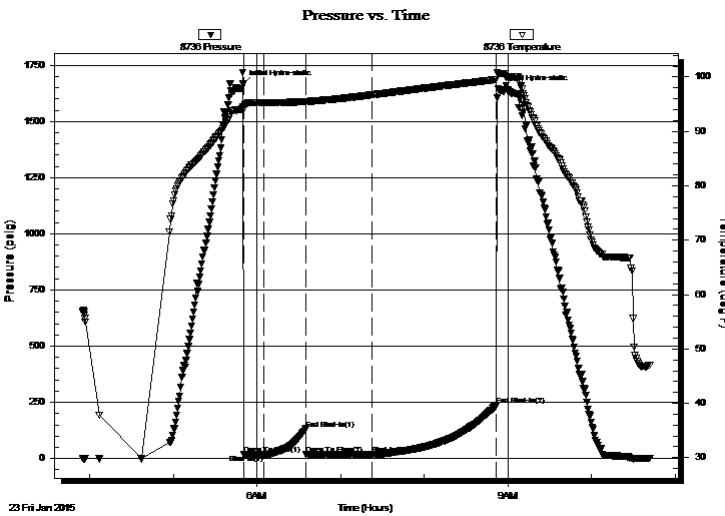
End Time: 10:41:44

Time On Btm: 2015.01.23 @ 05:50:00

Time Off Btm: 2015.01.23 @ 08:54:00

TEST COMMENT: IF-1" blow
IS-No blow
FF-Weak surface blow
FS-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1665.55	94.44	Initial Hydro-static
1	18.25	94.03	Open To Flow (1)
15	17.39	95.29	Shut-In(1)
45	132.03	95.52	End Shut-In(1)
46	18.82	95.47	Open To Flow (2)
93	17.62	96.71	Shut-In(2)
182	236.40	99.52	End Shut-In(2)
184	1639.34	100.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.50	Free Oil	0.00
1.50	SOCM 10%O 90%M	0.01

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

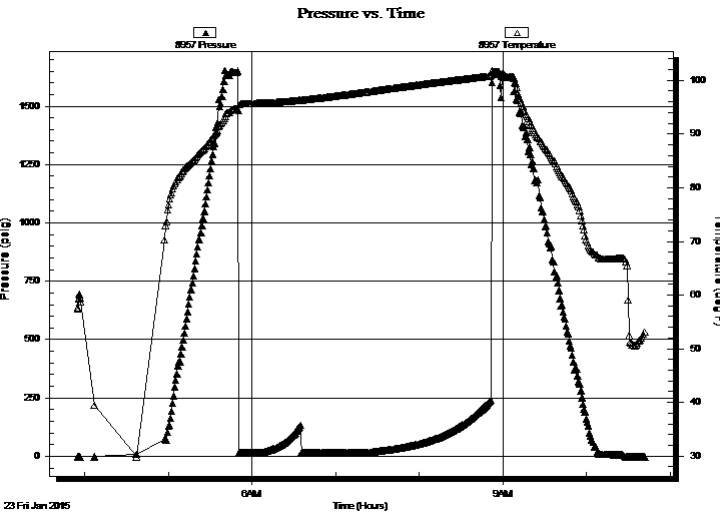
16-7s-19w Rooks, KS
Griebel #16-3
Job Ticket: 53841 **DST#: 4**
Test Start: 2015.01.23 @ 03:55:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:50:30
Time Test Ended: 10:41:45
Interval: **3386.00 ft (KB) To 3408.00 ft (KB) (TVD)**
Total Depth: 3408.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1933.00 ft (KB)
1926.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8957 Inside
Press@RunDepth: psig @ 3387.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2015.01.23 End Date: 2015.01.23 Last Calib.: 2015.01.23
Start Time: 03:55:05 End Time: 10:41:59 Time On Btm:
Time Off Btm:

TEST COMMENT: IF-1" blow
IS-No blow
FF-Weak surface blow
FS-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.50	Free Oil	0.00
1.50	SOCM 10%O 90%M	0.01

* 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.

16-7s-19w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53841

DST#: 4

ATTN: Tim Lauer

Test Start: 2015.01.23 @ 03:55:00

Tool Information

Drill Pipe:	Length: 3070.00 ft	Diameter: 3.80 inches	Volume: 43.06 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 310.00 ft	Diameter: 2.70 inches	Volume: 2.20 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 45.26 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3386.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	22.00 ft				
Tool Length:	42.00 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			3371.00	
Hydraulic tool	5.00			3376.00	
Packer	5.00			3381.00	20.00 Bottom Of Top Packer
Packer	5.00			3386.00	
Packer - Shale	0.00			3386.00	
Stubb	1.00			3387.00	
Recorder	0.00	8957	Inside	3387.00	
Recorder	0.00	8736	Outside	3387.00	
Perforations	18.00			3405.00	
Bullnose	3.00			3408.00	22.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.

16-7s-19w Rooks,KS

1600 Stout ST STE 1500
Denver CO 80202

Griebel #16-3

Job Ticket: 53841

DST#: 4

ATTN: Tim Lauer

Test Start: 2015.01.23 @ 03:55:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.50	Free Oil	0.004
1.50	SOCM 10%O 90%M	0.011

Total Length: 2.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

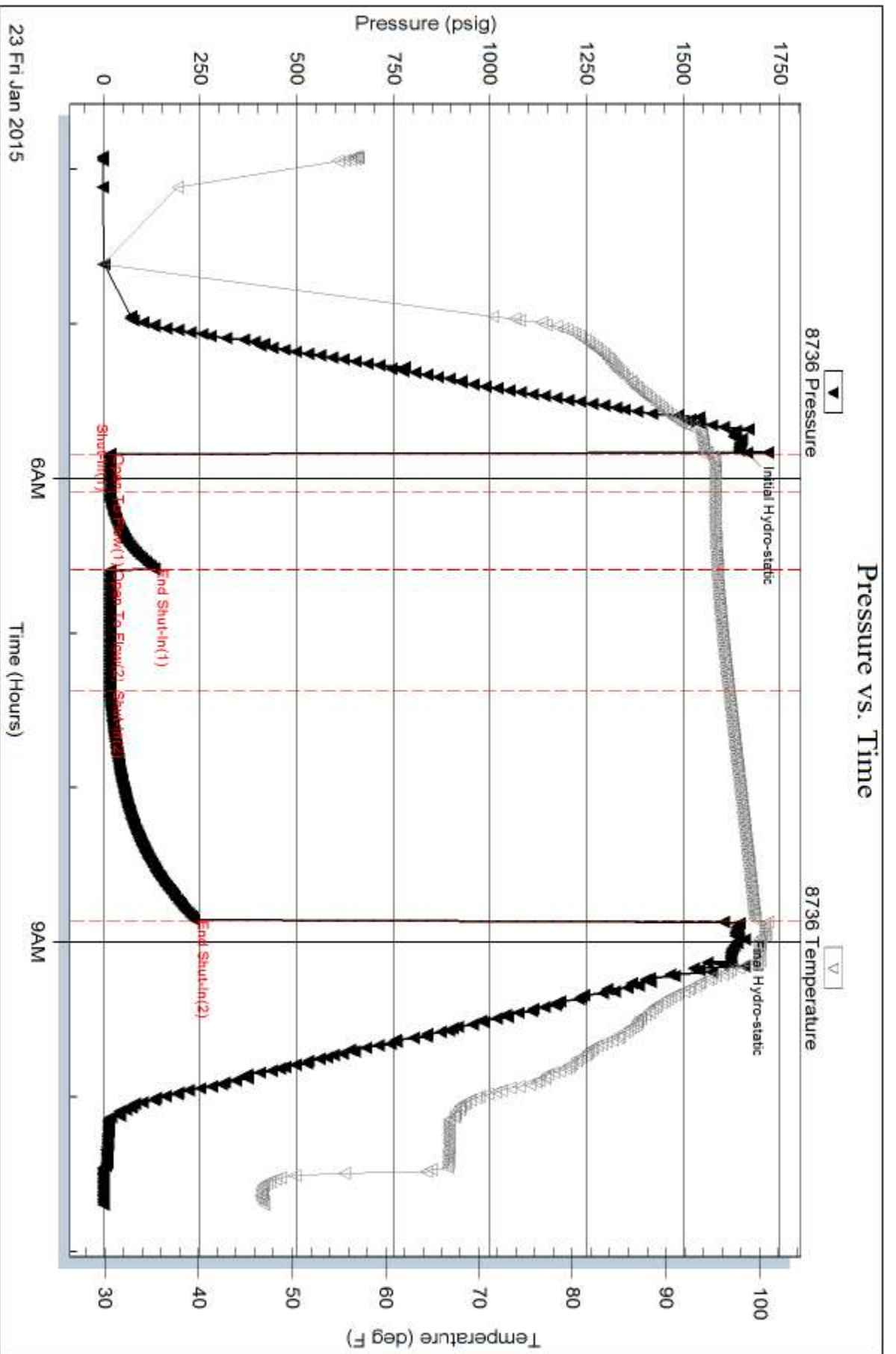
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



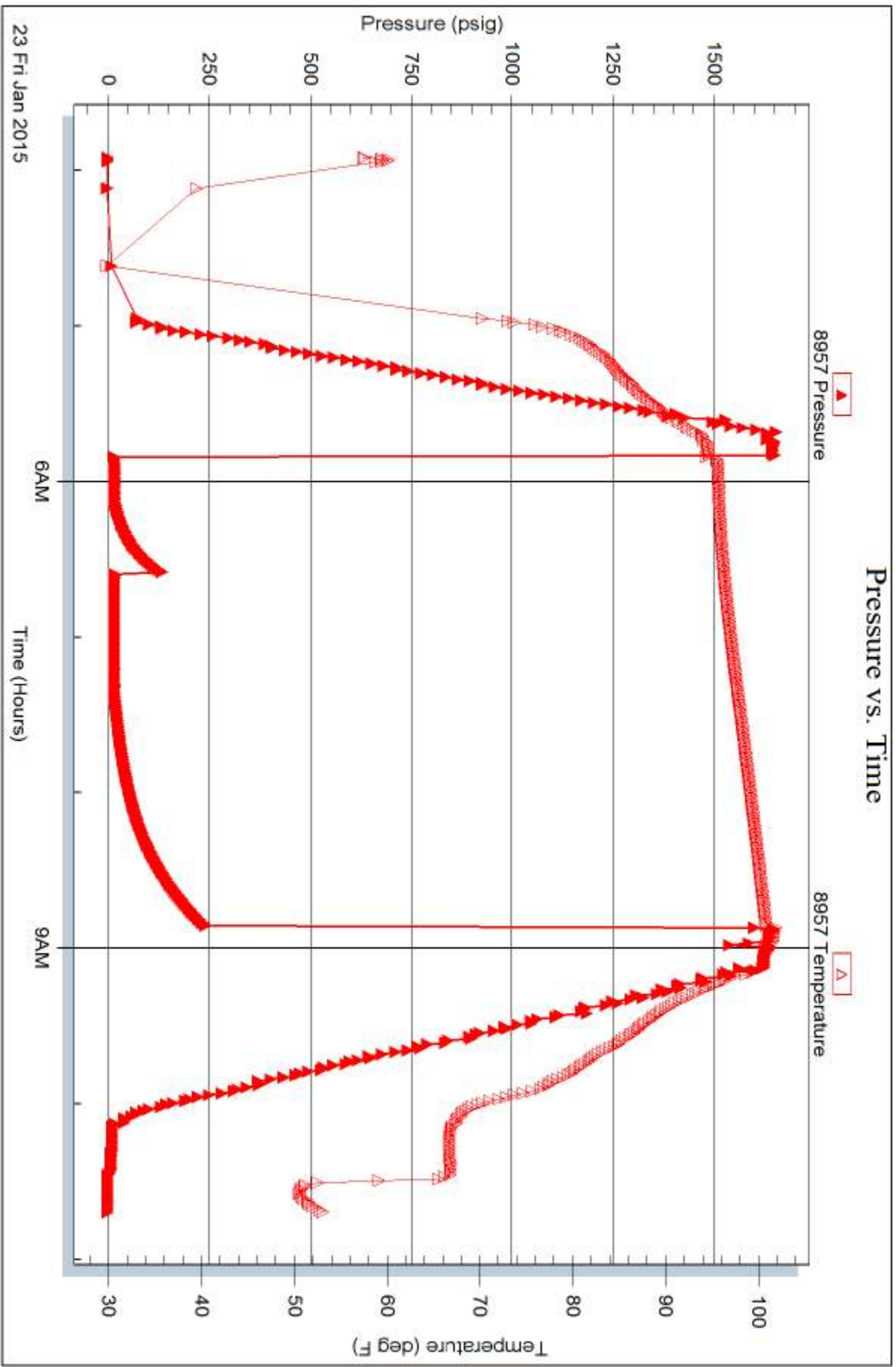
Serial #: 8957

Inside

Coral Production Corp.

Griebe#16-3

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 53841

Printed: 2015.01.25 @ 18:01:58



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53838

4/10

Well Name & No. Griebel #16-3 Test No. 1 Date 1-20-15
 Company Coral Production Corporation Elevation 1933 KB 1925 GL
 Address 1600 Stout St STE 1500 Denver CO 80202
 Co. Rep / Geo. _____ Rig Discovery #2
 Location: Sec. 16 Twp. 7 Rge. 19 Co. Rooks State KS

Interval Tested 3062 - 3080 Zone Tested Oread
 Anchor Length 18 Drill Pipe Run _____ Mud Wt. 8.8
 Top Packer Depth 3057 Drill Collars Run — Vis 52
 Bottom Packer Depth 3062 Wt. Pipe Run 310 WL 8.0
 Total Depth 3080 Chlorides 1800 ppm System LCM 2#

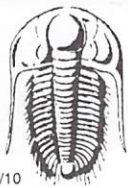
Blow Description IF - 3/4 in blow
ISF - No blow
FF - 1/2 in blow
FSF - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>MCW</u>			<u>80</u>	<u>20</u>
____	____	____	____	____	____
____	____	____	____	____	____
____	____	____	____	____	____

Rec Total 65 BHT 96 Gravity _____ API RW .5 @ 40 ° F Chlorides 25,000 ppm
 (A) Initial Hydrostatic 1,466 Test 1050 T-On Location 19:30
 (B) First Initial Flow 26 Jars _____ T-Started 19:35
 (C) First Final Flow 29 Safety Joint _____ T-Open 22:05
 (D) Initial Shut-In 880 Circ Sub _____ T-Pulled 1:05
 (E) Second Initial Flow 32 Hourly Standby _____ T-Out 2:30
 (F) Second Final Flow 45 Mileage 108 RT 108 Comments _____
 (G) Final Shut-In 890 Sampler _____
 (H) Final Hydrostatic 1,402 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1408
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1408

Approved By _____ Our Representative Burt Dyer

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. 53839

Well Name & No. Griebel #16-3 Test No. 2 Date 1-21-15
 Company Coral Production Corporation Elevation 1933 KB 1925 GL
 Address 1600 Stout St Ste 1500 Denver CO 80202
 Co. Rep / Geo. Tim L Rig Discovery #2
 Location: Sec. 16 Twp. 7 Rge. 19 Co. Rooks State KS

Interval Tested 3120-3224 Zone Tested Top - F
 Anchor Length 104 Drill Pipe Run _____ Mud Wt. _____
 Top Packer Depth 3115 Drill Collars Run _____ Vis _____
 Bottom Packer Depth 3120 Wt. Pipe Run 310 WL _____
 Total Depth 3224 Chlorides _____ ppm System LCM _____
 Blow Description IF - 1 in blow
ISI - No blow
FF - weak surface blow
FSI - No blow

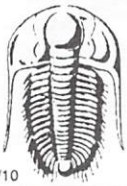
Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud</u>				
____	____				
____	____				
____	____				
____	____				

Rec Total 15 BHT 94 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1,496</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>15:35</u>
(B) First Initial Flow <u>23</u>	<input type="checkbox"/> Jars _____	T-Started <u>15:40</u>
(C) First Final Flow <u>20</u>	<input type="checkbox"/> Safety Joint _____	T-Open <u>17:55</u>
(D) Initial Shut-In <u>644</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>20:25</u>
(E) Second Initial Flow <u>25</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>21:50</u>
(F) Second Final Flow <u>24</u>	<input checked="" type="checkbox"/> Mileage <u>108</u>	Comments _____
(G) Final Shut-In <u>657</u>	<input type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1,485</u>	<input type="checkbox"/> Straddle _____	_____
Initial Open <u>15</u>	<input checked="" type="checkbox"/> Shale Packer <u>250</u>	<input type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility _____	Total <u>1408</u>
	Sub Total <u>1408</u>	MP/DST Disc't _____

Approved By _____ Our Representative Burt

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. 53840

4/10

Well Name & No. Griebel # 16-3 Test No. 3 Date 1-22-15
 Company Coral Production Corp. Elevation 1933 KB 1925 GL
 Address _____
 Co. Rep / Geo. Tim L Rig Discovery #2
 Location: Sec. 16 Twp. 7 Rge. 19 Co. Reeks State KS

Interval Tested 3246-3355 Zone Tested KC¹¹H-L
 Anchor Length 109 Drill Pipe Run _____ Mud Wt. _____
 Top Packer Depth 3241 Drill Collars Run — Vis _____
 Bottom Packer Depth 3246 Wt. Pipe Run 310 WL _____
 Total Depth 3355 Chlorides _____ ppm System LCM _____

Blow Description FF 2in blow
FSI - No blow
FF - 1in blow
FSI - No blow

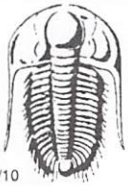
Rec	Feet of	%gas	%oil	%water	%mud
<u>55</u>	<u>Mud</u>				
_____	_____				
_____	_____				
_____	_____				

Rec Total 55 BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1,597 Test 1050 T-On Location 11:15
 (B) First Initial Flow 26 Jars _____ T-Started 11:40
 (C) First Final Flow 39 Safety Joint _____ T-Open 13:55
 (D) Initial Shut-In 500 Circ Sub _____ T-Pulled 18:55
 (E) Second Initial Flow 36 Hourly Standby _____ T-Out 18:10
 (F) Second Final Flow 42 Mileage 108 Comments _____
 (G) Final Shut-In 514 Sampler _____
 (H) Final Hydrostatic 1,578 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 0
 Accessibility _____ Total 1408
 Sub Total 1408 MP/DST Disc't _____

Approved By _____ Our Representative Butt Dueni

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. 53841

Well Name & No. Griebel #16-3 Test No. 4 Date 1-23-15
 Company Coral Production Corp. Elevation 1933 KB 1925 GL
 Address _____
 Co. Rep / Geo. Tim L Rig Discovery #2
 Location: Sec. 16 Twp. 7 Rge. 19 Co. Rooks State KS

Interval Tested 3386-3408 Zone Tested Arb.
 Anchor Length 22 Drill Pipe Run _____ Mud Wt. _____
 Top Packer Depth 3381 Drill Collars Run _____ Vis _____
 Bottom Packer Depth 3386 Wt. Pipe Run 310 WL _____
 Total Depth 3408 Chlorides _____ ppm System LCM _____
 Blow Description IF - lin blow
ISI - No blow
FF - weak surface blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>1/2</u>	<u>Free Oil</u>				
<u>1 1/2</u>	<u>SOCM</u>		<u>10</u>		<u>90</u>
_____	_____				
_____	_____				
_____	_____				

Rec Total 2 BHT 100 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1,666 Test 1050 T-On Location 3:30
 (B) First Initial Flow 18 Jars _____ T-Started 3:55
 (C) First Final Flow 17 Safety Joint _____ T-Open 5:45
 (D) Initial Shut-In 132 Circ Sub _____ T-Pulled 8:45
 (E) Second Initial Flow 19 Hourly Standby _____ T-Out 10:40
 (F) Second Final Flow 18 Mileage 108rt X2 216 Comments Loaded Tools @ 15:30
 (G) Final Shut-In 236 Sampler _____
 (H) Final Hydrostatic 1,639 Straddle _____
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 15 Day Standby _____ Sub Total 0
 Initial Shut-In 30 Accessibility _____ Total 1482
 Final Flow 45 Sub Total 1482 MP/DST Disc't _____
 Final Shut-In 90

Approved By _____ Our Representative But Dorman
 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.