

**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Coral Production Corp.**

1600 Stout St. STE 1500  
Denver, CO 80202

ATTN: Bob Stolzle

**32-8-29 Sheridan KS**

**Thummel Trust #32-1**

Start Date: 2011.06.14 @ 15:44:05

End Date: 2011.06.14 @ 18:07:00

Job Ticket #: 042025      DST #: 1

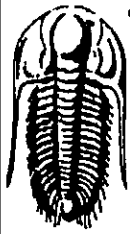
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Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Coral Production Corp.  
1600 Stout St. STE 1500  
Denver, CO 80202  
ATTN: Bob Stolzie

**Thummel Trust #32-1**  
**32-8-29 Sheridan KS**  
Job Ticket: 042025      DST#: 1  
Test Start: 2011.06.14 @ 15:44:05

**Tool Information**

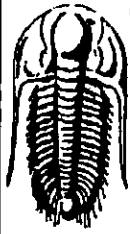
Drill Pipe:	Length: 3866.00 ft	Diameter: 3.80 inches	Volume: 54.23 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 0.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 0.00 lb
			<u>Total Volume: 54.38 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 0.00 lb
Depth to Top Packer:	3905.00 ft			Final 0.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	93.00 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			3882.00	
Hydraulic tool	5.00			3887.00	
Jars	5.00			3892.00	
Safety Joint	3.00			3895.00	
Packer	5.00			3900.00	28.00      Bottom Of Top Packer
Packer	5.00			3905.00	
Stubb	1.00			3906.00	
Recorder	0.00	8366	Inside	3906.00	
Recorder	0.00	8320	Outside	3906.00	
Perforations	29.00			3935.00	
Blank Spacing	32.00			3967.00	
Bullnose	3.00			3970.00	65.00      Bottom Packers & Anchor

**Total Tool Length: 93.00**



**TRILOBITE  
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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production Corp.  
1600 Stout St. STE 1500  
Denver, CO 80202  
ATTN: Bob Stolze

Thummel Trust #32-1  
32-8-29 Sheridan KS  
Job Ticket: 042025      DST#: 1  
Test Start: 2011.06.14 @ 15:44:05

## 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: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.73 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

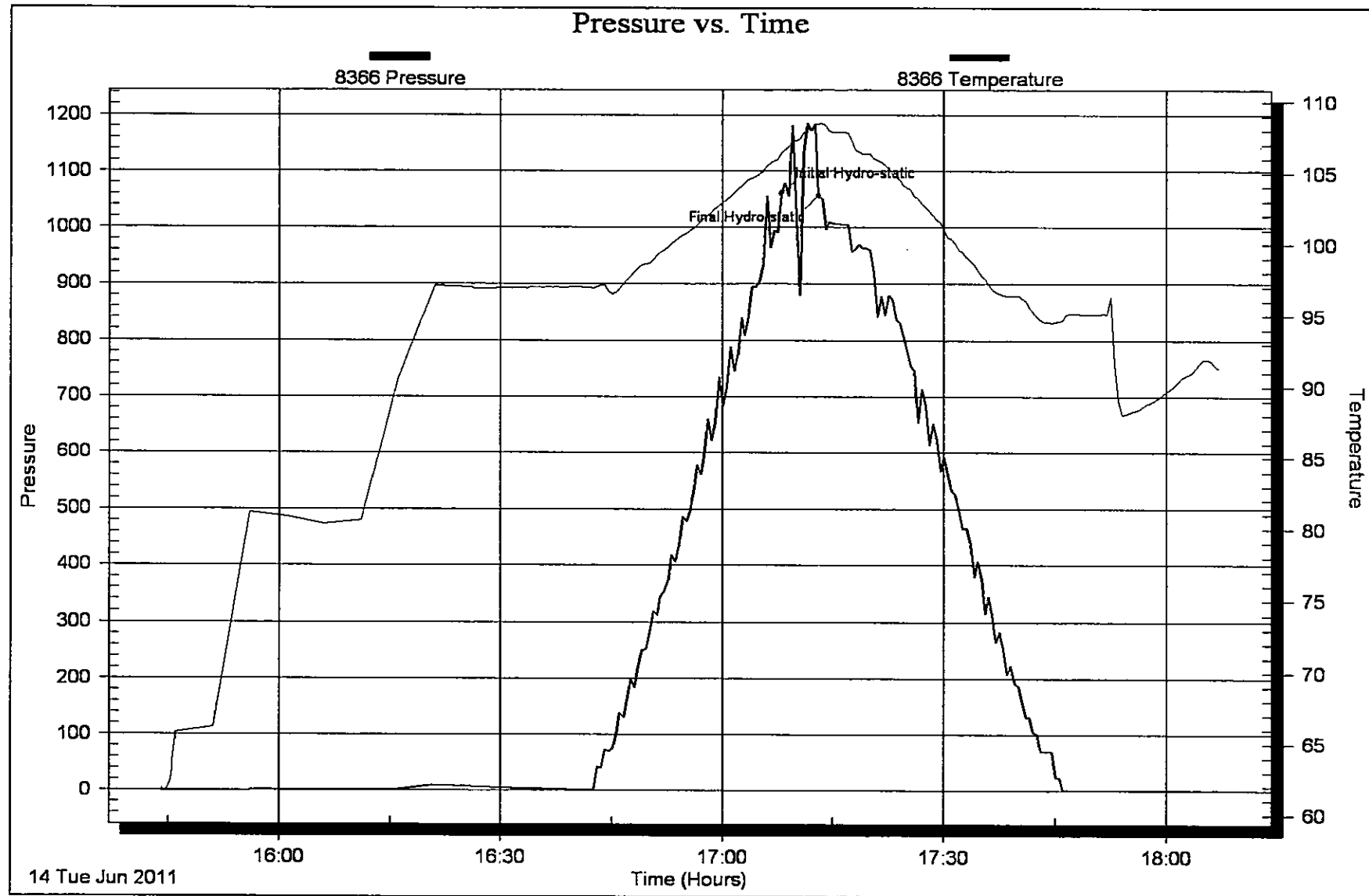
Length ft	Description	Volume bbl

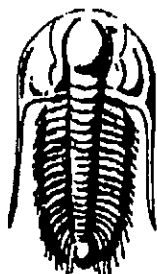
Total Length:                      ft      Total Volume:                      bbl

Num Fluid Samples: 0                      Num Gas Bombs: 0                      Serial #:

Laboratory Name:                      Laboratory Location:

Recovery Comments:





**TRILOBITE  
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## DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St. STE 1500  
Denver, CO 80202

ATTN: Bob Stolze

**32-8-29 Sheridan KS**

**Thummel Trust #32-1**

Start Date: 2011.06.14 @ 22:53:00

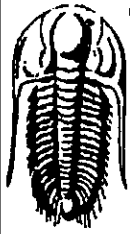
End Date: 2011.06.15 @ 05:42:30

Job Ticket #: 042901                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
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## DRILL STEM TEST REPORT

Coral Production Corp.  
1600 Stout St. STE 1500  
Denver, CO 80202  
ATTN: Bob Stolze

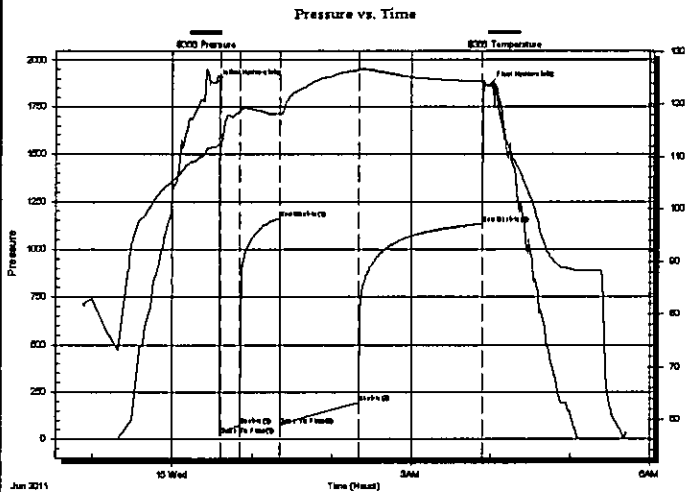
Thummel Trust #32-1  
32-8-29 Sheridan KS  
Job Ticket: 042901 DST#: 2  
Test Start: 2011.06.14 @ 22:53:00

### GENERAL INFORMATION:

Formation: **Toronto - Lans. "A"**  
 Deviated: **No Whipstock:** ft (KB)  
 Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: **00:36:00**  
 Tester: **James Winder**  
 Time Test Ended: **05:42:30**  
 Unit No: **46**  
 Interval: **3905.00 ft (KB) To 3970.00 ft (KB) (TVD)**  
 Reference Elevations: **2852.00 ft (KB)**  
**2844.00 ft (CF)**  
 Total Depth: **3970.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 KB to GR/CF: **8.00 ft**

Serial #: **8366** Inside  
 Press@RunDepth: **193.13 psig @ 3906.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2011.06.14** End Date: **2011.06.15** Last Calib.: **2011.06.15**  
 Start Time: **22:53:05** End Time: **05:42:29** Time On Btm: **2011.06.15 @ 00:33:00**  
 Time Off Btm: **2011.06.15 @ 03:58:30**

TEST COMMENT: IF: Blow built to 9"  
 IS: No blow back  
 FF: Blow built to BOB (11") in 21 1/2 min.  
 FS: No blow back



### PRESSURE SUMMARY

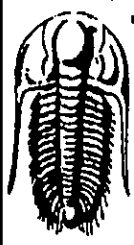
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1876.30	111.82	Initial Hydro-static
3	22.49	111.61	Open To Flow (1)
18	73.44	118.57	Shut-In(1)
48	1162.14	118.22	End Shut-In(1)
49	74.00	117.94	Open To Flow (2)
108	193.13	126.60	Shut-In(2)
201	1133.11	124.49	End Shut-In(2)
206	1865.13	123.66	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW 88%w, 12%m	1.47
258.00	MW 51%w, 49%m	3.62
0.00	Oil spots in tool	0.00
0.00	Low level H2S gas	0.00
0.00	turned tools black	0.00

### Gas Rates

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



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TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Coral Production Corp.  
1600 Stout St. STE 1500  
Denver, CO 80202  
ATTN: Bob Stolze

Thummel Trust #32-1  
32-8-29 Sheridan KS  
Job Ticket: 042901      DST#: 2  
Test Start: 2011.06.14 @ 22:53:00

### Tool Information

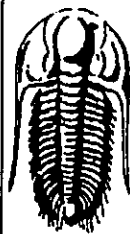
Drill Pipe:	Length: 3866.00 ft	Diameter: 3.80 inches	Volume: 54.23 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 54.38 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3905.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	65.00 ft			
Tool Length:	93.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

### Tool Comments:

Tool slid 2' to bottom before opening - No mud loss

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3882.00	
Hydraulic tool	5.00			3887.00	
Jars	5.00			3892.00	
Safety Joint	3.00			3895.00	
Packer	5.00			3900.00	28.00      Bottom Of Top Packer
Packer	5.00			3905.00	
Stubb	1.00			3906.00	
Recorder	0.00	8366	Inside	3906.00	
Recorder	0.00	8320	Outside	3906.00	
Perforations	29.00			3935.00	
Blank Spacing	32.00			3967.00	
Bullnose	3.00			3970.00	65.00      Bottom Packers & Anchor

**Total Tool Length: 93.00**



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# DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.  
1600 Stout St. STE 1500  
Denver, CO 80202  
ATTN: Bob Stolze

Thummel Trust #32-1  
32-8-29 Sheridan KS  
Job Ticket: 042901      DST#: 2  
Test Start: 2011.06.14 @ 22:53:00

## Mud and Cushion Information

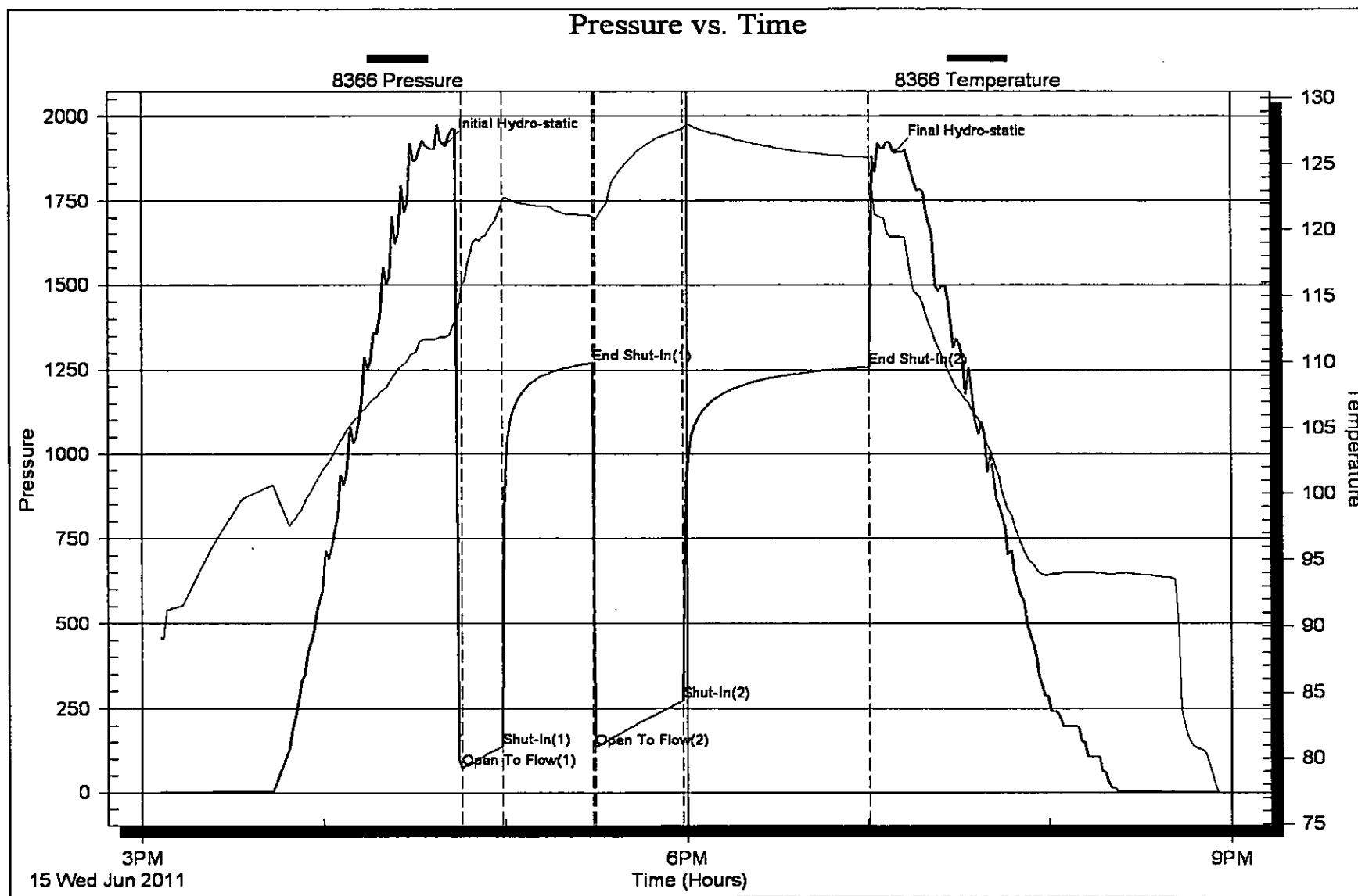
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.71 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

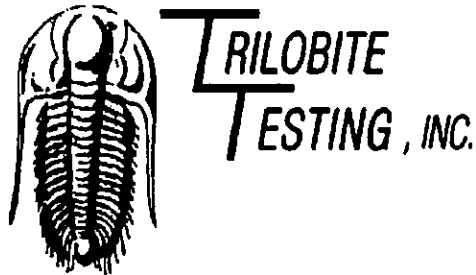
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	MCW 88%w, 12%m	1.471
258.00	MW 51%w, 49%m	3.619
0.00	Oil spots in tool	0.000
0.00	Low level H2S gas	0.000
0.00	turned tools black	0.000

Total Length: 383.00 ft      Total Volume: 5.090 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. STE 1500  
Denver, CO 80202

ATTN: Bob Stolze

**32-8-29 Sheridan KS**

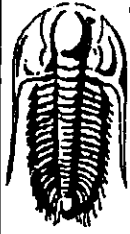
**Thummel Trust #32-1**

Start Date: 2011.06.15 @ 15:06:00

End Date: 2011.06.15 @ 20:56:00

Job Ticket #: 042902          DST #: 3

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Coral Production Corp.

Thummel Trust #32-1

1600 Stout St. STE 1500  
Denver, CO 80202

32-8-29 Sheridan KS

Job Ticket: 042902

DST#: 3

ATTN: Bob Stolze

Test Start: 2011.06.15 @ 15:06:00

### GENERAL INFORMATION:

Formation: LKC "C - F"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:45:30

Time Test Ended: 20:56:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: 3967.00 ft (KB) To 4040.00 ft (KB) (TVD)

Reference Elevations: 2852.00 ft (KB)

Total Depth: 4040.00 ft (KB) (TVD)

2844.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8366

Inside

Press@RunDepth: 272.44 psig @ 3968.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.06.15

End Date:

2011.06.15

Last Calib.: 2011.06.15

Start Time: 15:06:05

End Time:

20:55:59

Time On Btm: 2011.06.15 @ 16:40:30

Time Off Btm: 2011.06.15 @ 19:09:30

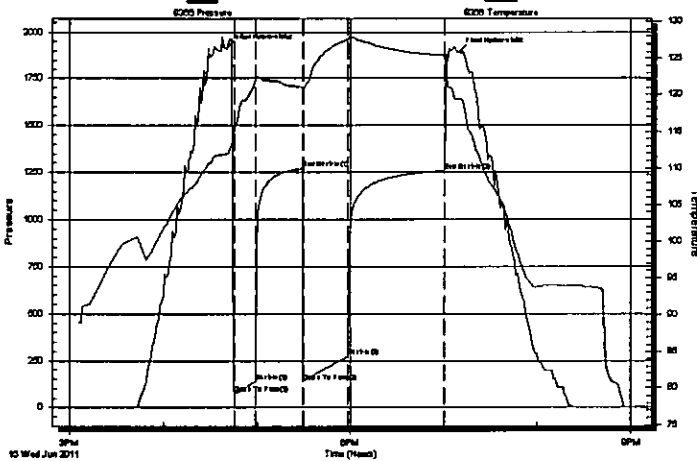
TEST COMMENT: IF: Blow built to BOB (11") in 7 3/4 min

IS: No blow back

FF: Blow built to BOB in 9 1/4 min.

FSt: No blow back

Pressure vs. Time



### PRESSURE SUMMARY

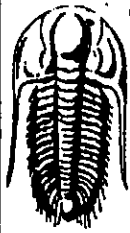
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1914.85	111.90	Initial Hydro-static
5	72.39	115.84	Open To Flow (1)
19	135.63	121.99	Shut-In(1)
49	1270.37	121.03	End Shut-In(1)
49	134.33	120.70	Open To Flow (2)
78	272.44	127.65	Shut-In(2)
140	1257.70	125.40	End Shut-In(2)
149	1894.60	119.43	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
125.00	MCW 82%w, 18%m	1.47
378.00	MW 52%w, 48%m	5.30
57.00	WCM 84%m, 16%w	0.80
0.00	Slight traces of Oil throughout	0.00

### 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. STE 1500  
Denver, CO 80202  
ATTN: Bob Stoizle

**Thummel Trust #32-1**  
**32-8-29 Sheridan KS**  
Job Ticket: 042902      DST#: 3  
Test Start: 2011.06.15 @ 15:06:00

**Tool Information**

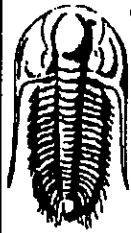
Drill Pipe:	Length: 3927.00 ft	Diameter: 3.80 inches	Volume: 55.09 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 115000.0 lb
			<u>Total Volume: 55.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3967.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	101.00 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			3944.00	
Hydraulic tool	5.00			3949.00	
Jars	5.00			3954.00	
Safety Joint	3.00			3957.00	
Packer	5.00			3962.00	28.00      Bottom Of Top Packer
Packer	5.00			3967.00	
Stubb	1.00			3968.00	
Recorder	0.00	8366	Inside	3968.00	
Recorder	0.00	8320	Outside	3968.00	
Perforations	5.00			3973.00	
Blank Spacing	64.00			4037.00	
Bullnose	3.00			4040.00	73.00      Bottom Packers & Anchor

**Total Tool Length: 101.00**



**TRILOBITE  
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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production Corp.  
1600 Stout St. STE 1500  
Denver, CO 80202  
ATTN: Bob Stolze

Thummel Trust #32-1  
32-8-29 Sheridan KS  
Job Ticket: 042902      DST#: 3  
Test Start: 2011.06.15 @ 15:06:00

## Mud and Cushion Information

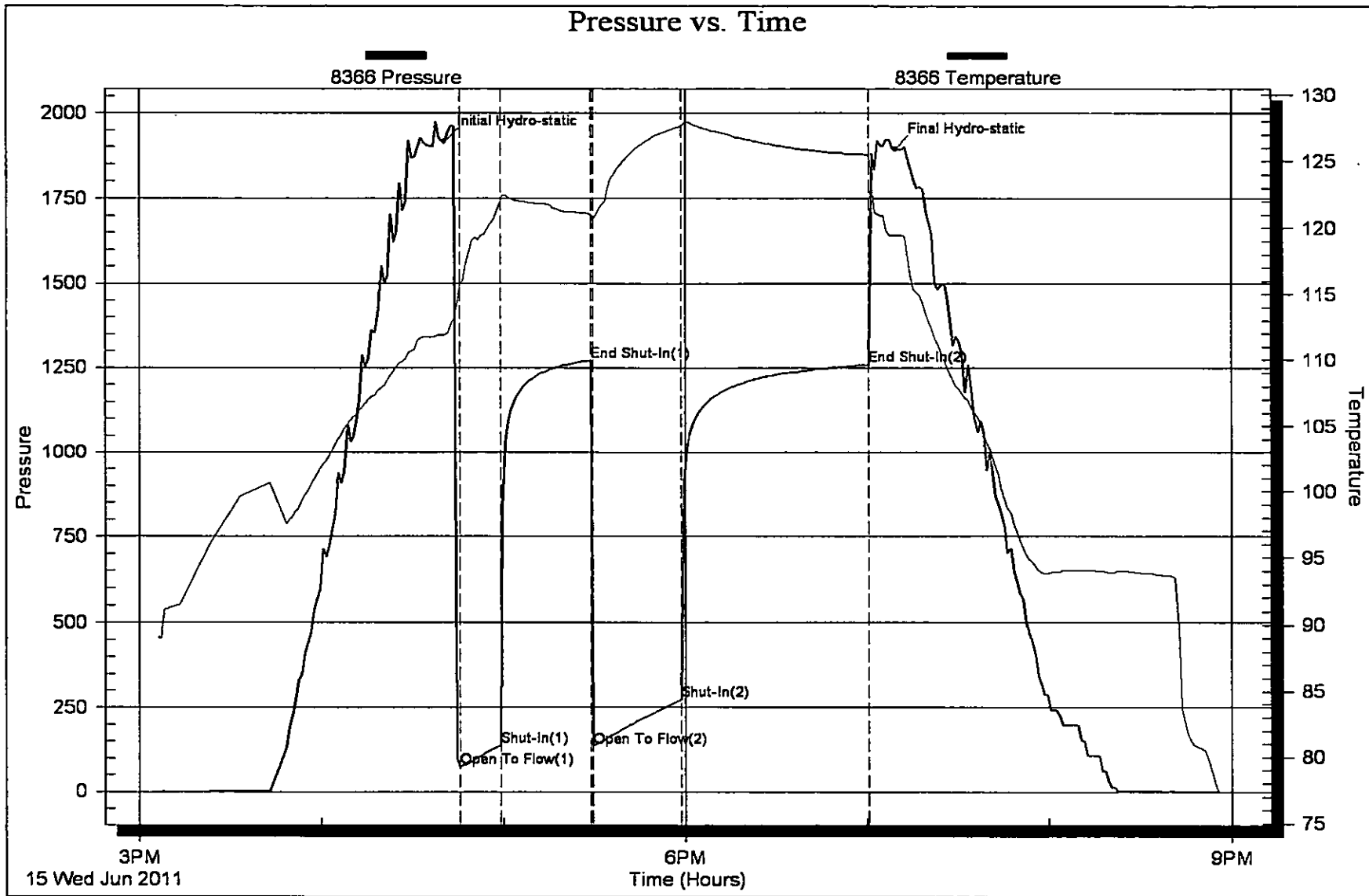
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	25000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.56 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 1.00 inches			

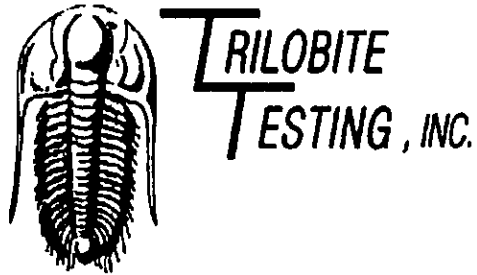
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	MCW 82%w, 18%m	1.471
378.00	MW 52%w, 48%m	5.302
57.00	WCM 84%m, 16%w	0.800
0.00	Slight traces of Oil throughout	0.000

Total Length: 560.00 ft      Total Volume: 7.573 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: RW = .256 ohms @ 76 deg F





## DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St. STE 1500  
Denver, CO 80202

ATTN: Bob Stolzle

**32-8-29 Sheridan KS**

**Thummel Trust #32-1**

Start Date: 2011.06.16 @ 10:08:00

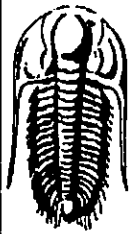
End Date: 2011.06.16 @ 16:44:00

Job Ticket #: 042903          DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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## DRILL STEM TEST REPORT

Coral Production Corp.  
1600 Stout St. STE 1500  
Denver, CO 80202  
ATTN: Bob Stolze

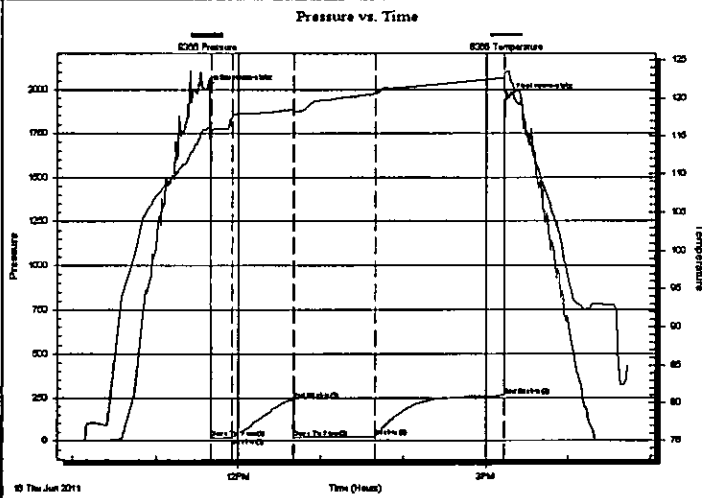
Thummel Trust #32-1  
32-8-29 Sheridan KS  
Job Ticket: 042903      DST#: 4  
Test Start: 2011.06.16 @ 10:08:00

### GENERAL INFORMATION:

Formation: LKC "J"  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 11:40:00  
Time Test Ended: 16:44:00  
Interval: 4118.00 ft (KB) To 4145.00 ft (KB) (TVD)  
Total Depth: 4145.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: James Winder  
Unit No: 46  
Reference Elevations: 2852.00 ft (KB)  
2844.00 ft (CF)  
KB to GR/CF: 8.00 ft

Serial #: 8366 Inside  
Press@RunDepth: 25.46 psig @ 4119.00 ft (KB)  
Start Date: 2011.06.16 End Date: 2011.06.16  
Start Time: 10:08:05 End Time: 16:43:59  
Capacity: 8000.00 psig  
Last Calib.: 2011.06.16  
Time On Btm: 2011.06.16 @ 11:37:00  
Time Off Btm: 2011.06.16 @ 15:16:30

TEST COMMENT: IF: Blow built to 2 3/4"  
IS: No blow back  
FF: 2 1/2" blow at open, built to BOB (11") at 30 min.  
FSI: No blow back



### PRESSURE SUMMARY

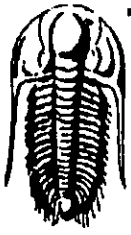
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2002.96	115.86	Initial Hydro-static
3	19.11	115.54	Open To Flow (1)
19	19.91	117.52	Shut-In(1)
63	239.38	118.44	End Shut-In(1)
63	17.83	118.29	Open To Flow (2)
123	25.46	120.62	Shut-In(2)
216	261.68	122.69	End Shut-In(2)
220	1956.03	123.54	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbt)
32.00	GOCM 67% m, 23% o, 10% g	0.17
0.00	GIP = 310'	0.00

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Coral Production Corp.

Thummel Trust #32-1

1600 Stout St. STE 1500  
Denver, CO 80202

32-8-29 Sheridan KS

Job Ticket: 042903

DST#: 4

ATTN: Bob Stolze

Test Start: 2011.06.16 @ 10:08:00

### Tool Information

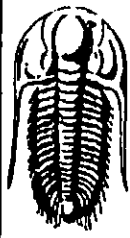
Drill Pipe:	Length: 4084.00 ft	Diameter: 3.80 inches	Volume: 57.29 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4118.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

### Tool Comments:

Jars weren't marked on the sheet but I didn't take them out since it was probably the last test, and it pulled so tight coming off bottom on the 3rd test.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4095.00	
Hydraulic tool	5.00			4100.00	
Jars	5.00			4105.00	
Safety Joint	3.00			4108.00	
Packer	5.00			4113.00	28.00 Bottom Of Top Packer
Packer	5.00			4118.00	
Stubb	1.00			4119.00	
Recorder	0.00	8366	Inside	4119.00	
Recorder	0.00	8320	Outside	4119.00	
Perforations	23.00			4142.00	
Bullnose	3.00			4145.00	27.00 Bottom Packers & Anchor

**Total Tool Length: 55.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production Corp.  
1600 Stout St. STE 1500  
Denver, CO 80202  
ATTN: Bob Stolze

Thummel Trust #32-1  
32-8-29 Sheridan KS  
Job Ticket: 042903      DST#: 4  
Test Start: 2011.06.16 @ 10:08:00

## 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: 70.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

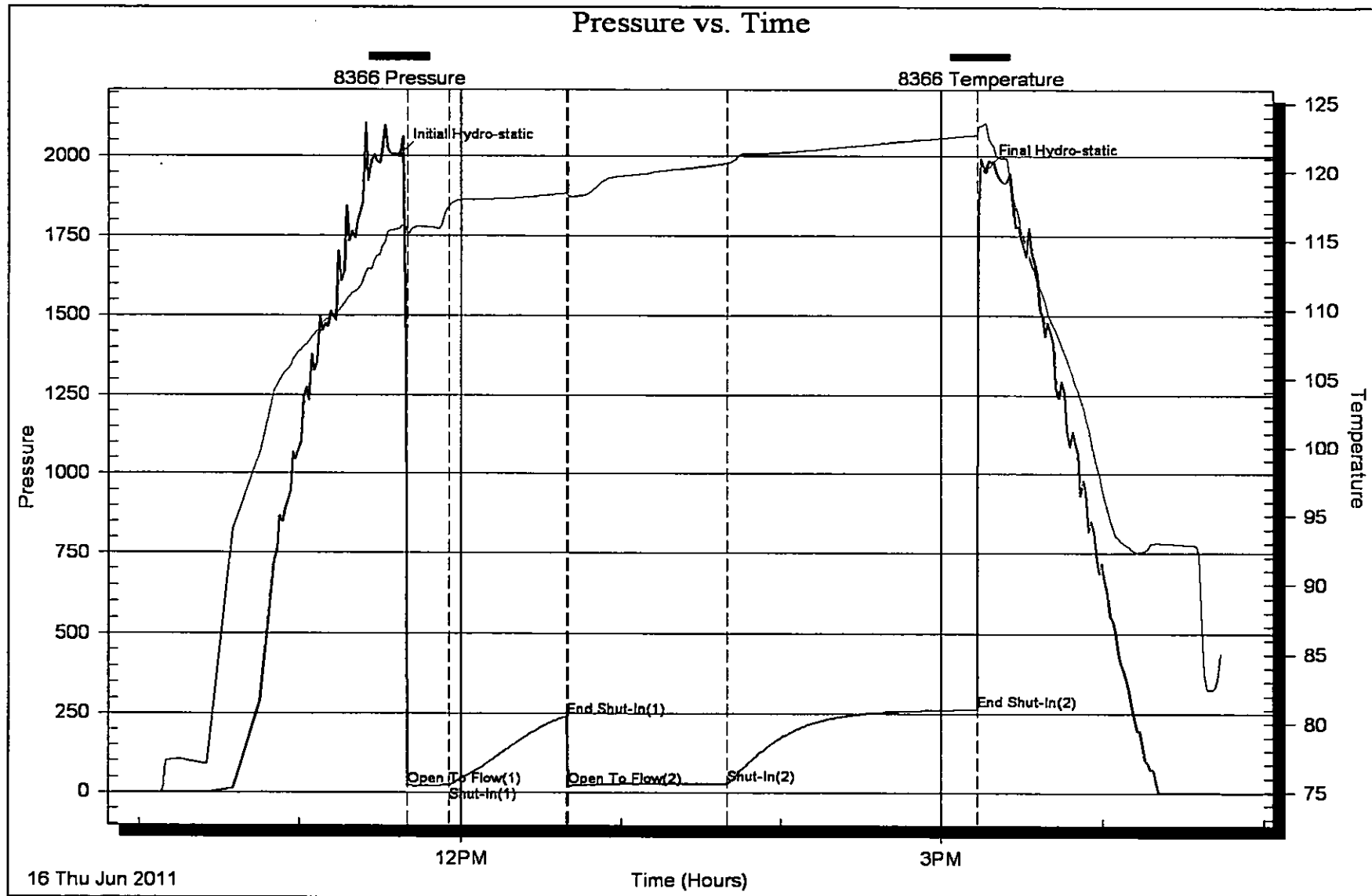
Length ft	Description	Volume bbl
32.00	GOCM 67% <sub>m</sub> , 23% <sub>o</sub> , 10% <sub>g</sub>	0.166
0.00	GIP = 310'	0.000

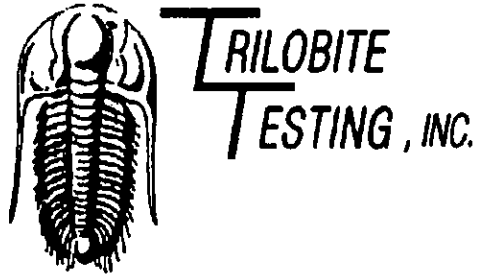
Total Length: 32.00 ft      Total Volume: 0.166 bbl

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. STE 1500  
Denver, CO 80202

ATTN: Bob Stolze

**32-8-29 Sheridan KS**

**Thummel Trust #32-1**

Start Date: 2011.06.17 @ 03:15:00

End Date: 2011.06.17 @ 07:03:00

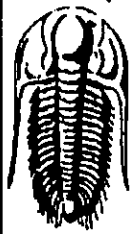
Job Ticket #: 042904      DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Coral Production Corp.  
1600 Stout St. STE 1500  
Denver, CO 80202  
ATTN: Bob Stolze

Thummel Trust #32-1  
32-8-29 Sheridan KS  
Job Ticket: 042904      DST#: 5  
Test Start: 2011.06.17 @ 03:15:00

**Tool Information**

Drill Pipe:	Length: 4177.00 ft	Diameter: 3.80 inches	Volume: 58.59 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 35000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 110000.0 lb
		Total Volume: 58.74 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4205.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 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			4182.00	
Hydraulic tool	5.00			4187.00	
Jars	5.00			4192.00	
Safety Joint	3.00			4195.00	
Packer	5.00			4200.00	28.00      Bottom Of Top Packer
Packer	5.00			4205.00	
Stubb	1.00			4206.00	
Recorder	0.00	8366	Inside	4206.00	
Recorder	0.00	8320	Outside	4206.00	
Perforations	21.00			4227.00	
Bullnose	3.00			4230.00	25.00      Bottom Packers & Anchor

**Total Tool Length: 53.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Coral Production Corp.  
1600 Stout St. STE 1500  
Denver, CO 80202  
ATTN: Bob Stolze

Thummel Trust #32-1  
32-8-29 Sheridan KS  
Job Ticket: 042904      DST#: 5  
Test Start: 2011.06.17 @ 03:15:00

## Mud and Cushion Information

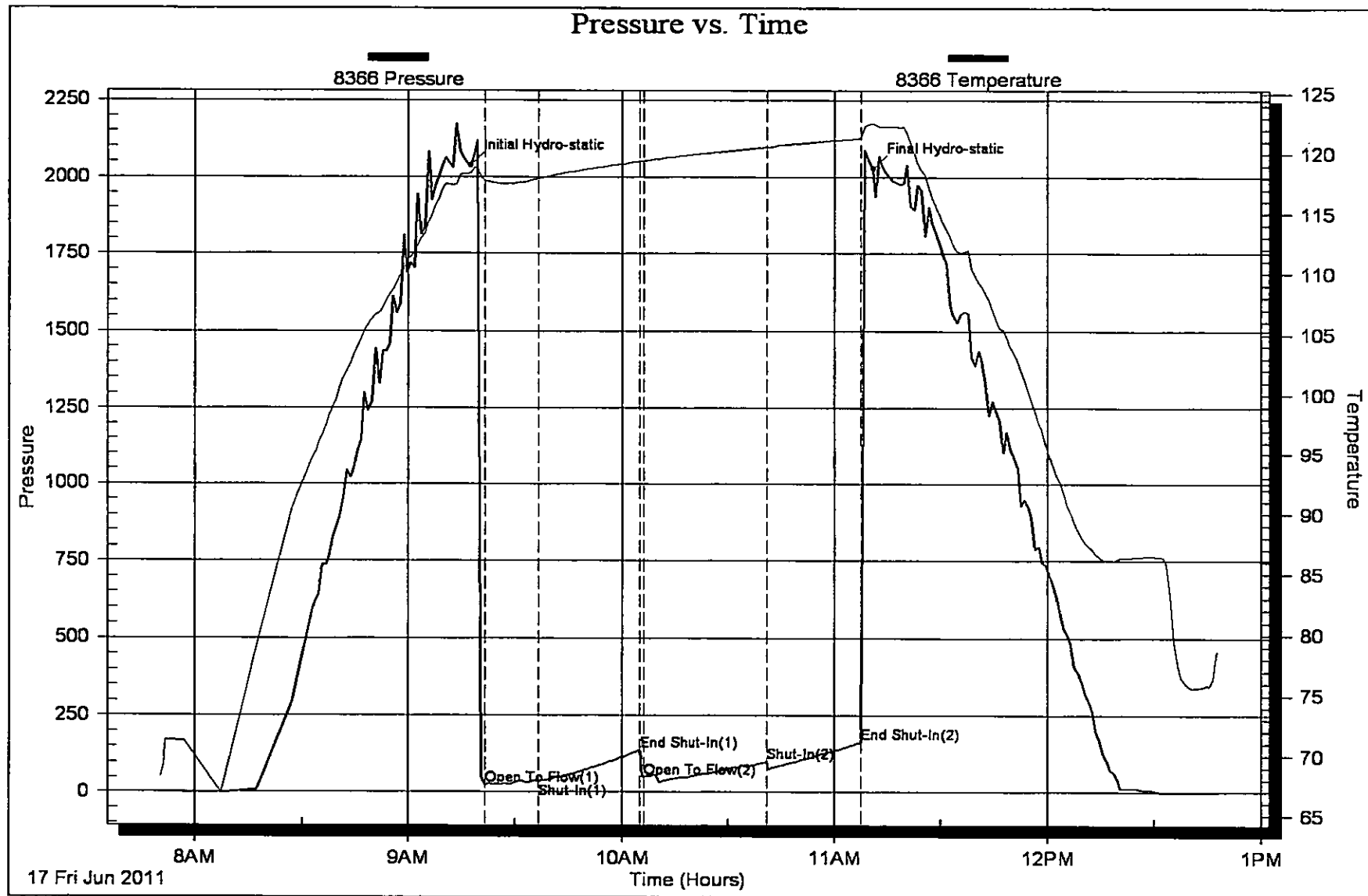
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 70.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

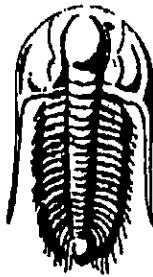
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
815.00	Mud 100%	11.150

Total Length: 815.00 ft      Total Volume: 11.150 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Coral Production Corp.**

1600 Stout St. STE 1500  
Denver, CO 80202

ATTN: Bob Stolze

**32-8-29 Sheridan KS**

**Thummel Trust #32-1**

Start Date: 2011.06.17 @ 07:50:00

End Date: 2011.06.17 @ 12:47:30

Job Ticket #: 042905          DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Coral Production Corp.

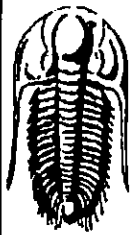
Thummel Trust #32-1

32-8-29 Sheridan KS

DST # 6

LKC "K-L", Cong. SS

2011.06.17



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Coral Production Corp.  
1600 Stout St. STE 1500  
Denver, CO 80202  
ATTN: Bob Stolze

**Thummel Trust #32-1**  
**32-8-29 Sheridan KS**  
Job Ticket: 042905      DST#: 6  
Test Start: 2011.06.17 @ 07:50:00

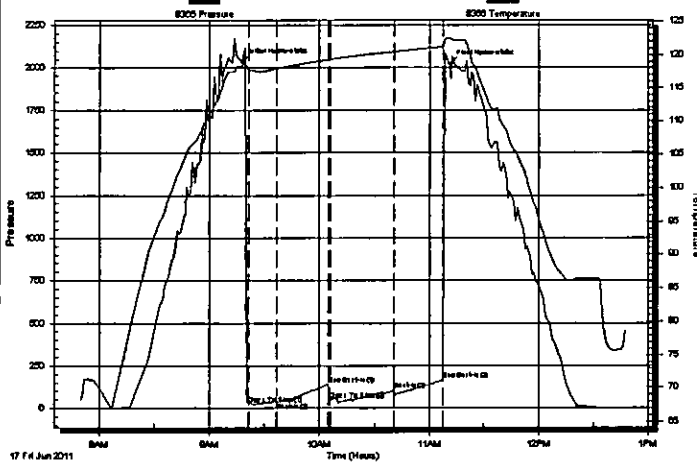
## GENERAL INFORMATION:

Formation: LKC "K-L", Cong. SS  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 09:21:30  
Time Test Ended: 12:47:30  
Interval: 4145.00 ft (KB) To 4230.00 ft (KB) (TVD)  
Total Depth: 4030.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2852.00 ft (KB)  
2844.00 ft (CF)  
KB to GR/CF: 8.00 ft

Serial #: 8366 Inside  
Press@RunDepth: 101.02 psig @ 4146.00 ft (KB)  
Start Date: 2011.06.17 End Date: 2011.06.17  
Start Time: 07:50:05 End Time: 12:47:29  
Capacity: 8000.00 psig  
Last Calib.: 2011.06.17  
Time On Btm: 2011.06.17 @ 09:17:30  
Time Off Btm: 2011.06.17 @ 11:11:00

TEST COMMENT: IF: Blow built to 1/2"  
IS: No blow back  
FF: No blow  
FS: No blow back

Pressure vs. Time



## PRESSURE SUMMARY

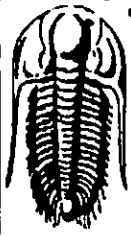
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2036.14	118.35	Initial Hydro-static
4	24.17	117.77	Open To Flow (1)
19	33.98	117.91	Shut-In(1)
48	136.15	119.33	End Shut-In(1)
49	49.49	119.37	Open To Flow (2)
84	101.02	120.54	Shut-In(2)
110	163.21	121.28	End Shut-In(2)
114	2027.14	122.46	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.07

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Coral Production Corp.

Thummel Trust #32-1

1600 Stout St. STE 1500  
Denver, CO 80202

32-8-29 Sheridan KS

Job Ticket: 042905

DST#: 6

ATTN: Bob Stolze

Test Start: 2011.06.17 @ 07:50:00

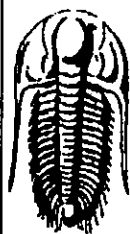
**Tool Information**

Drill Pipe:	Length: 4114.00 ft	Diameter: 3.80 inches	Volume: 57.71 bbl	Tool Weight: 2500.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4145.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	113.00 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			4122.00	
Hydraulic tool	5.00			4127.00	
Jars	5.00			4132.00	
Safety Joint	3.00			4135.00	
Packer	5.00			4140.00	28.00 Bottom Of Top Packer
Packer	5.00			4145.00	
Stubb	1.00			4146.00	
Recorder	0.00	8366	Inside	4146.00	
Recorder	0.00	8320	Outside	4146.00	
Perforations	17.00			4163.00	
Blank Spacing	64.00			4227.00	
Bullnose	3.00			4230.00	85.00 Bottom Packers & Anchor

**Total Tool Length: 113.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Coral Production Corp.  
1600 Stout St. STE 1500  
Denver, CO 80202  
ATTN: Bob Stolze

Thummel Trust #32-1  
32-8-29 Sheridan KS  
Job Ticket: 042905      DST#: 6  
Test Start: 2011.06.17 @ 07:50:00

### 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: 70.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100%	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

