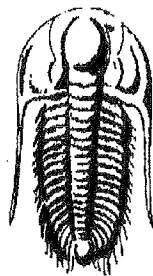


15-167-23511

29-15s-14w



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Deutsch Oil Co**

8100 E 22nd St N bldg 600  
Wichita KS 67124

ATTN: Kent Deutsch

**29 15 14W Russell KS**

**Stricker # 6-1**

Start Date: 2008.06.09 @ 02:22:50

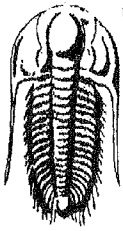
End Date: 2008.06.09 @ 08:55:50

Job Ticket #: 31103                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Deutsch Oil Co  
 8100 E 22nd St N bldg 600  
 Wichita KS 67124  
 ATTN: Kent Deutsch

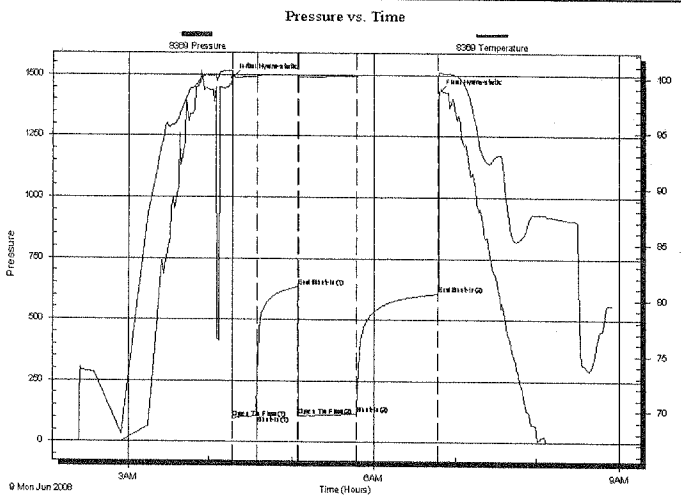
**Stricker # 6-1**  
**29 15 14W Russell KS**  
 Job Ticket: 31103      **DST#: 1**  
 Test Start: 2008.06.09 @ 02:22:50

## GENERAL INFORMATION:

Formation: **L.Kc.-A & B**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 04:17:20  
 Time Test Ended: 08:55:50  
 Test Type: Conventional Bottom Hole  
 Tester: John Schmidt  
 Unit No: 31  
 Interval: **3044.00 ft (KB) To 3100.00 ft (KB) (TVD)**  
 Total Depth: 3100.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 Reference Elevations: 1810.00 ft (KB)  
 1805.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8369      Inside**  
 Press@RunDepth: 115.84 psig @ 3048.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2008.06.09      End Date: 2008.06.09      Last Calib.: 2008.06.09  
 Start Time: 02:22:55      End Time: 08:55:49      Time On Btm: 2008.06.09 @ 04:16:50  
 Time Off Btm: 2008.06.09 @ 06:47:50

**TEST COMMENT:** IF Weak built to 3 "  
 ISI Dead  
 FF Weak surface  
 FSI Dead



## PRESSURE SUMMARY

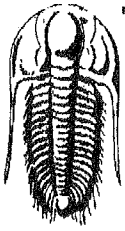
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1487.17	100.56	Initial Hydro-static
1	94.22	100.09	Open To Flow (1)
18	106.77	100.03	Shut-In(1)
48	633.43	100.21	End Shut-In(1)
49	105.78	100.06	Open To Flow (2)
91	115.84	100.11	Shut-In(2)
150	606.74	100.23	End Shut-In(2)
151	1429.71	100.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
217.00	WcM	1.39

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Deutsch Oil Co

**Stricker # 6-1**

8100 E 22nd St N bldg 600  
Wichita KS 67124

**29 15 14W Russell KS**

Job Ticket: 31103

**DST#: 1**

ATTN: Kent Deutsch

Test Start: 2008.06.09 @ 02:22:50

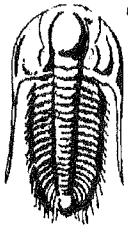
**Tool Information**

Drill Pipe:	Length: 2871.00 ft	Diameter: 3.80 inches	Volume: 40.27 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 70000.00 lb
			<b>Total Volume: 41.17 bbl</b>	Tool Chased 12.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3044.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	76.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3025.00	
Shut In Tool	5.00			3030.00	
Hydraulic tool	5.00			3035.00	
Packer	4.00			3039.00	20.00 Bottom Of Top Packer
Packer	5.00			3044.00	
Stubb	1.00			3045.00	
Perforations	2.00			3047.00	
Change Over Sub	1.00			3048.00	
Recorder	0.00	8369	Inside	3048.00	
Recorder	0.00	6669	Outside	3048.00	
Blank Spacing	30.00			3078.00	
Change Over Sub	1.00			3079.00	
Perforations	18.00			3097.00	
Bullnose	3.00			3100.00	56.00 Bottom Packers & Anchor

**Total Tool Length: 76.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Deutsch Oil Co  
8100 E 22nd St N bldg 600  
Wichita KS 67124  
ATTN: Kent Deutsch

**Stricker # 6-1**  
**29 15 14W Russell KS**  
Job Ticket: 31103      **DST#: 1**  
Test Start: 2008.06.09 @ 02:22:50

## 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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

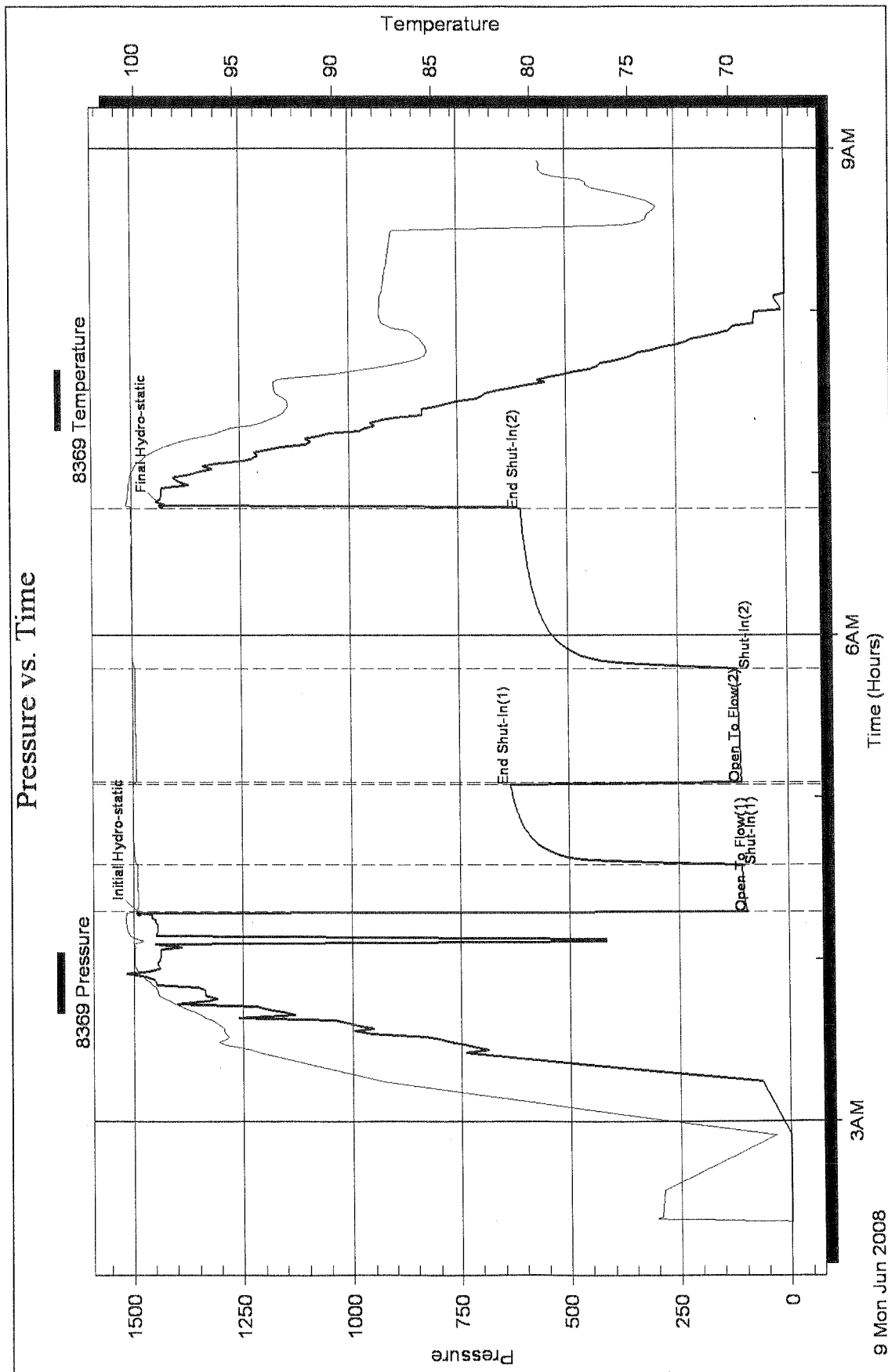
## Recovery Information

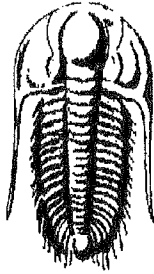
Recovery Table

Length ft	Description	Volume bbl
217.00	WcM	1.386

Total Length: 217.00 ft      Total Volume: 1.386 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: Tool slid 15 ' to bottom lost 25 ' M

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Deutsch Oil Co**

8100 E 22nd St N bldg 600  
Wichita KS 67124

ATTN: Kent Deutsch

**29 15 14W Russell KS**

**Stricker # 6-1**

Start Date: 2008.06.09 @ 16:21:46

End Date: 2008.06.09 @ 21:08:46

Job Ticket #: 31104                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Deutsch Oil Co

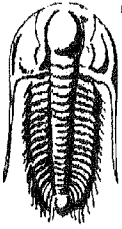
Stricker # 6-1

29 15 14W Russell KS

DST # 2

L.Kc.

2008.06.09



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Deutsch Oil Co  
 8100 E 22nd St N bldg 600  
 Wichita KS 67124  
 ATTN: Kent Deutsch

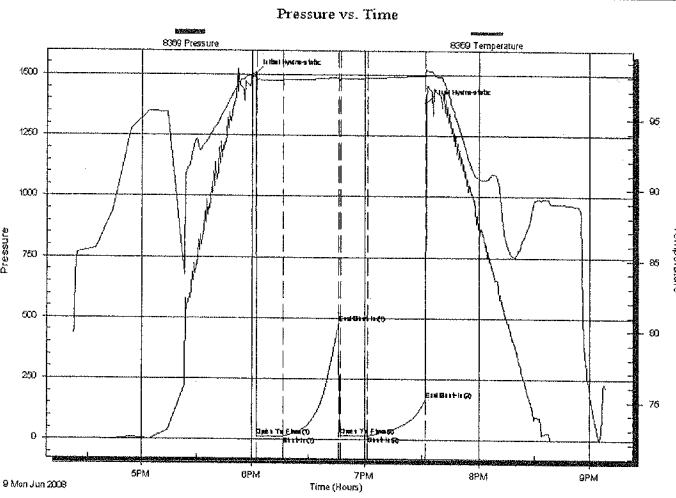
**Stricker # 6-1**  
**29 15 14W Russell KS**  
 Job Ticket: 31104      **DST#: 2**  
 Test Start: 2008.06.09 @ 16:21:46

**GENERAL INFORMATION:**

Formation: **L.Kc.**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 18:02:46  
 Time Test Ended: 21:08:46  
 Test Type: Conventional Bottom Hole  
 Tester: John Schmidt  
 Unit No: 31  
 Interval: **3098.00 ft (KB) To 3132.00 ft (KB) (TVD)**  
 Total Depth: 3132.00 ft (KB) (TVD)  
 Reference Elevations: 1810.00 ft (KB)  
 1805.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 5.00 ft

**Serial #: 8369      Inside**  
 Press@RunDepth: 17.57 psig @ 3101.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2008.06.09      End Date: 2008.06.09      Last Calib.: 2008.06.09  
 Start Time: 16:21:51      End Time: 21:08:45      Time On Btm: 2008.06.09 @ 18:02:16  
 Time Off Btm: 2008.06.09 @ 19:32:16

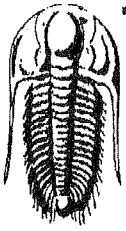
TEST COMMENT: IF Dead  
 ISI Dead  
 FF Dead  
 FSI Dead



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1504.36	98.26	Initial Hydro-static
1	12.82	97.84	Open To Flow (1)
15	14.97	97.76	Shut-In(1)
44	481.30	97.96	End Shut-In(1)
45	16.22	97.85	Open To Flow (2)
59	17.57	97.90	Shut-In(2)
90	165.73	98.10	End Shut-In(2)
90	1383.60	98.55	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	DM	0.02

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Deutsch Oil Co  
8100 E 22nd St N bldg 600  
Wichita KS 67124  
  
ATTN: Kent Deutsch

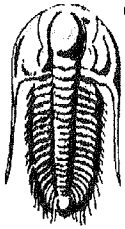
**Stricker # 6-1**  
**29 15 14W Russell KS**  
Job Ticket: 31104      **DST#: 2**  
Test Start: 2008.06.09 @ 16:21:46

### Tool Information

Drill Pipe:	Length: 2903.00 ft	Diameter: 3.80 inches	Volume: 40.72 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 60000.00 lb
			<b>Total Volume: 41.62 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3098.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3079.00	
Shut In Tool	5.00			3084.00	
Hydraulic tool	5.00			3089.00	
Packer	4.00			3093.00	20.00 Bottom Of Top Packer
Packer	5.00			3098.00	
Stubb	1.00			3099.00	
Perforations	2.00			3101.00	
Recorder	0.00	8369	Inside	3101.00	
Recorder	0.00	6669	Outside	3101.00	
Perforations	28.00			3129.00	
Bullnose	3.00			3132.00	34.00 Bottom Packers & Anchor

**Total Tool Length: 54.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Deutsch Oil Co

**Stricker # 6-1**

8100 E 22nd St N bldg 600  
Wichita KS 67124

**29 15 14W Russell KS**

Job Ticket: 31104

**DST#: 2**

ATTN: Kent Deutsch

Test Start: 2008.06.09 @ 16:21:46

## 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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	DM	0.025

Total Length:

5.00 ft

Total Volume:

0.025 bbl

Num Fluid Samples: 0

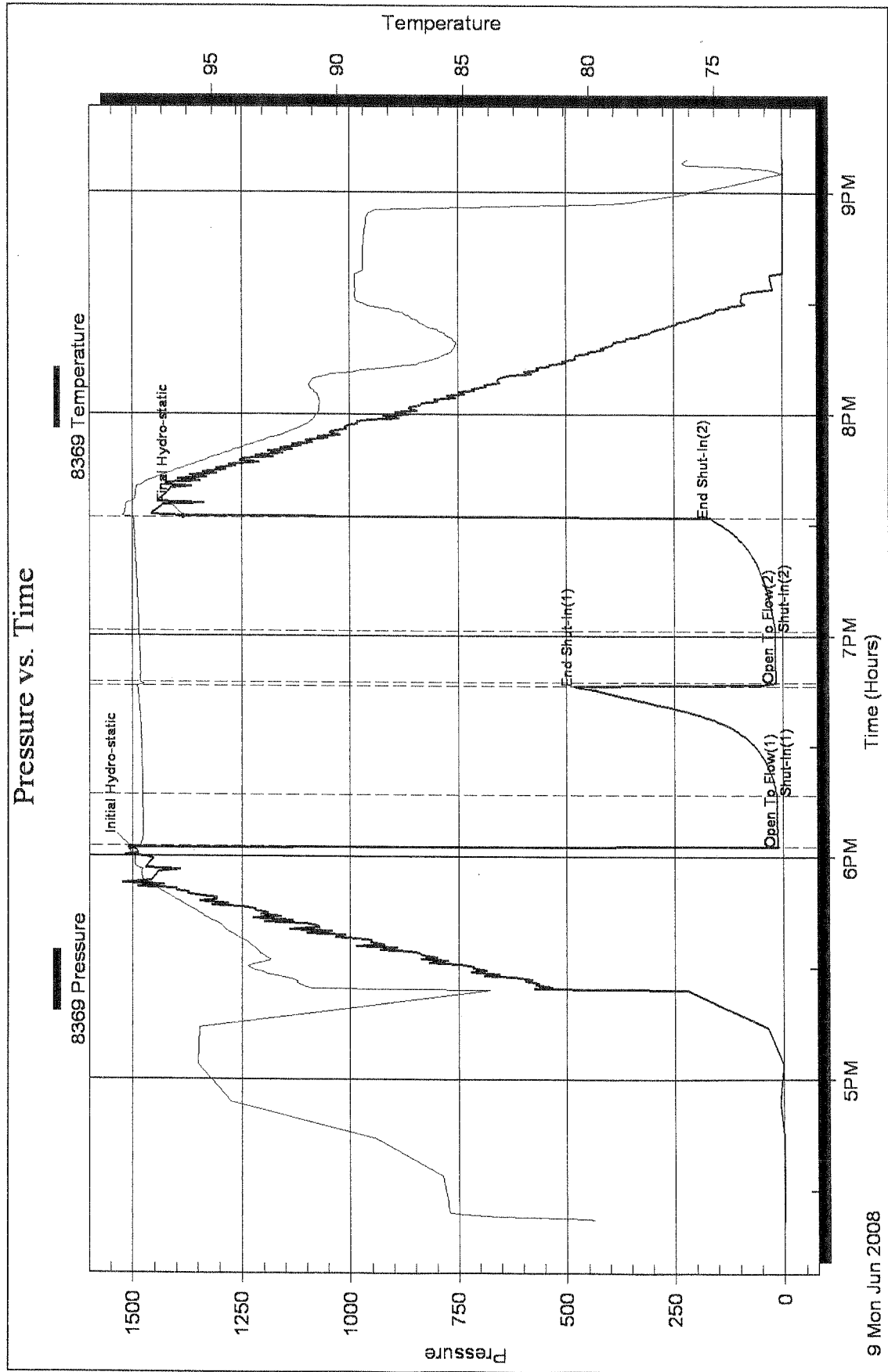
Num Gas Bombs: 0

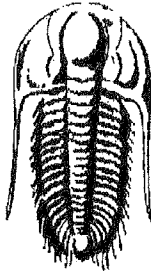
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Deutsch Oil Co**

8100 E 22nd St N bldg 600  
Wichita KS 67124

ATTN: Kent Deutsch

**29 15 14W Russell KS**

**Stricker # 6-1**

Start Date: 2008.06.10 @ 09:47:56

End Date: 2008.06.10 @ 15:07:26

Job Ticket #: 31105                      DST #: 3

Trilobite Testing, Inc

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

Deutsch Oil Co

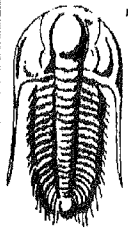
Stricker # 6-1

29 15 14W Russell KS

DST # 3

L.Kc.

2008.06.10



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Deutsch Oil Co  
 8100 E 22nd St N bldg 600  
 Wichita KS 67124  
 ATTN: Kent Deutsch

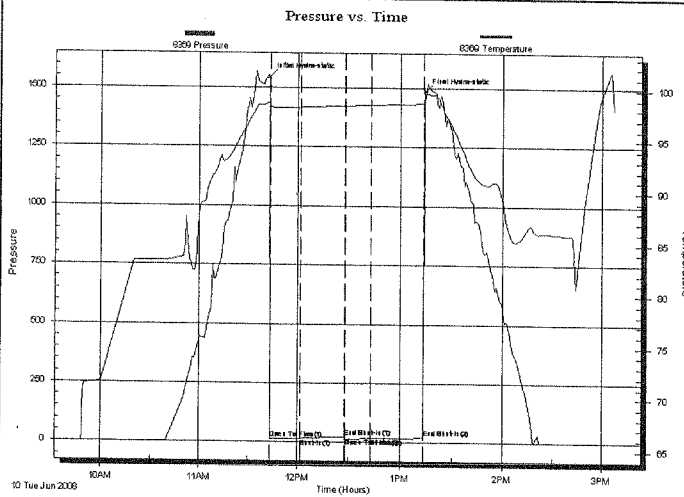
**Stricker # 6-1**  
**29 15 14W Russell KS**  
 Job Ticket: 31105      **DST#: 3**  
 Test Start: 2008.06.10 @ 09:47:56

## GENERAL INFORMATION:

Formation: **L.Kc.**  
 Deviated: **No** Whipstock:                      ft (KB)  
 Time Tool Opened: 11:43:26  
 Time Test Ended: 15:07:26  
 Interval: **3182.00 ft (KB) To 3245.00 ft (KB) (TVD)**  
 Total Depth: **3100.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: **Conventional Bottom Hole**  
 Tester: **John Schmidt**  
 Unit No: **31**  
 Reference Elevations: **1810.00 ft (KB)**  
    **1805.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

**Serial #: 8369**      **Inside**  
 Press@RunDepth: **15.82 psig @ 3185.00 ft (KB)**      Capacity: **7000.00 psig**  
 Start Date: **2008.06.10**      End Date: **2008.06.10**      Last Calib.: **2008.06.10**  
 Start Time: **09:48:01**      End Time: **15:07:25**      Time On Btm: **2008.06.10 @ 11:42:56**  
    **15:07:25**      Time Off Btm: **2008.06.10 @ 13:13:56**

TEST COMMENT: IF Weak Dead in 8-min.  
 ISI Dead  
 FF Dead  
 FSI Dead



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1546.62	98.69	Initial Hydro-static
1	13.16	98.28	Open To Flow (1)
19	14.76	98.27	Shut-In(1)
45	23.22	98.41	End Shut-In(1)
45	15.73	98.40	Open To Flow (2)
60	15.82	98.49	Shut-In(2)
91	20.22	98.66	End Shut-In(2)
91	1483.69	99.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	DMw / few Ospots	0.02

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Deutsch Oil Co  
8100 E 22nd St N bldg 600  
Wichita KS 67124  
  
ATTN: Kent Deutsch

**Stricker # 6-1**  
**29 15 14W Russell KS**  
Job Ticket: 31105      **DST#: 3**  
Test Start: 2008.06.10 @ 09:47:56

**Tool Information**

Drill Pipe:	Length: 2997.00 ft	Diameter: 3.80 inches	Volume: 42.04 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 42.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3182.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3163.00	
Shut In Tool	5.00			3168.00	
Hydraulic tool	5.00			3173.00	
Packer	4.00			3177.00	20.00 Bottom Of Top Packer
Packer	5.00			3182.00	
Stubb	1.00			3183.00	
Perforations	1.00			3184.00	
Change Over Sub	1.00			3185.00	
Recorder	0.00	8369	Inside	3185.00	
Recorder	0.00	6669	Outside	3185.00	
Blank Spacing	31.00			3216.00	
Change Over Sub	1.00			3217.00	
Perforations	25.00			3242.00	
Bullnose	3.00			3245.00	63.00 Bottom Packers & Anchor

**Total Tool Length: 83.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Deutsch Oil Co

**Stricker # 6-1**

8100 E 22nd St N bldg 600  
Wichita KS 67124

**29 15 14W Russell KS**

ATTN: Kent Deutsch

Job Ticket: 31105

**DST#: 3**

Test Start: 2008.06.10 @ 09:47:56

### 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: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	DMw /few Ospots	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:

Serial #: 8369

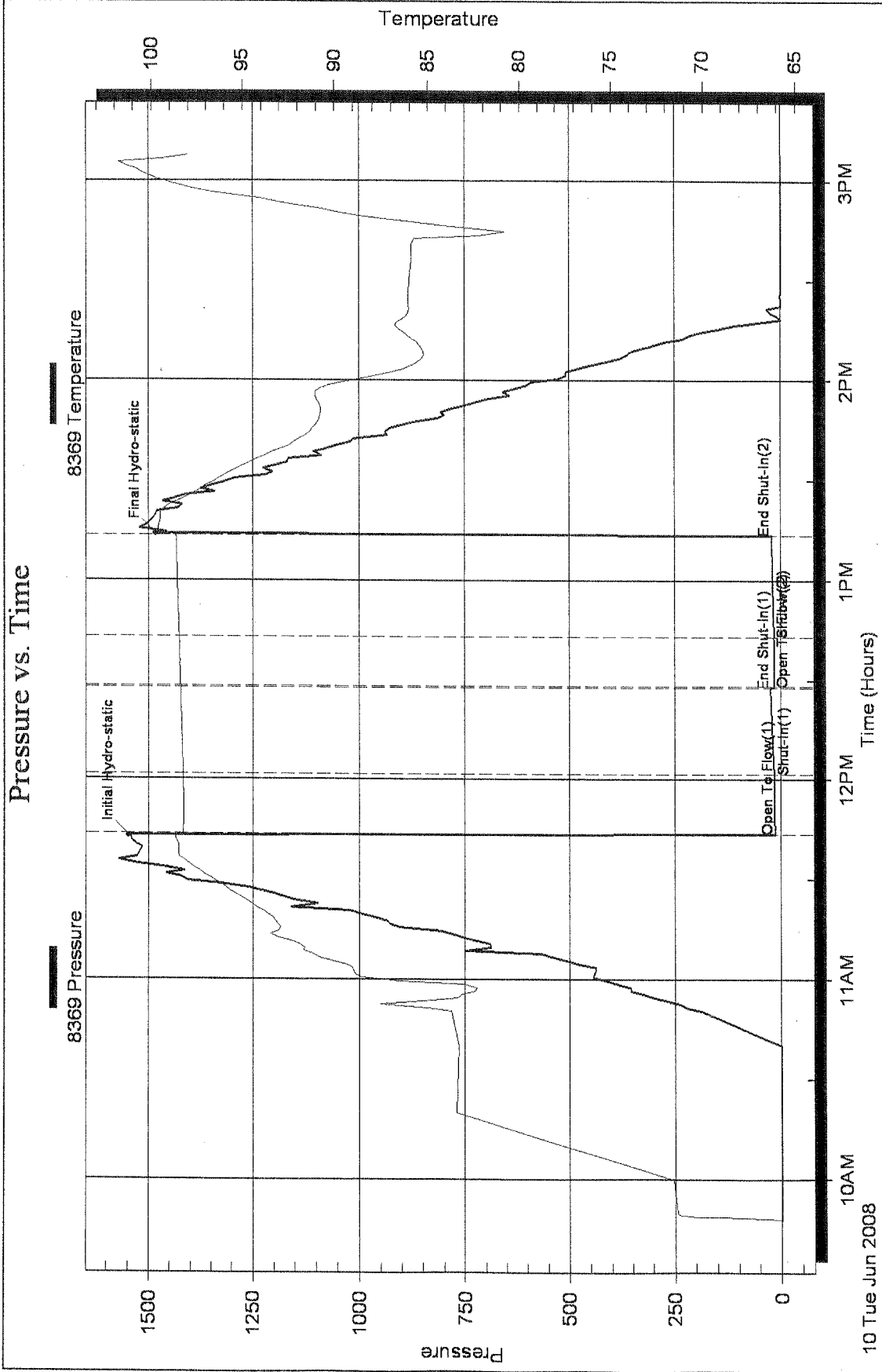
Inside

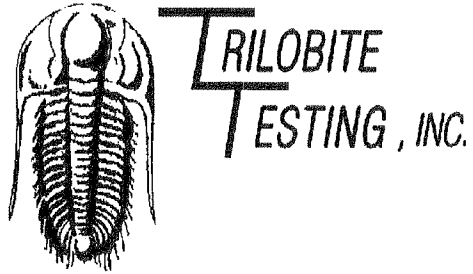
Deutsch Oil Co

29 15 14W Russell KS

DST Test Number: 3

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Deutsch Oil Co**

8100 E 22nd St N bldg 600  
Wichita KS 67124

ATTN: Kent Deutsch

**29 15 14W Russell KS**

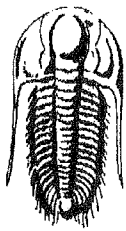
**Stricker # 6-1**

Start Date: 2008.06.10 @ 22:09:39

End Date: 2008.06.11 @ 04:20:39

Job Ticket #: 31106                      DST #: 4

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Deutsch Oil Co  
8100 E 22nd St N bldg 600  
Wichita KS 67124

**Stricker # 6-1**  
**29 15 14W Russell KS**  
Job Ticket: 31106      **DST#: 4**  
Test Start: 2008.06.10 @ 22:09:39

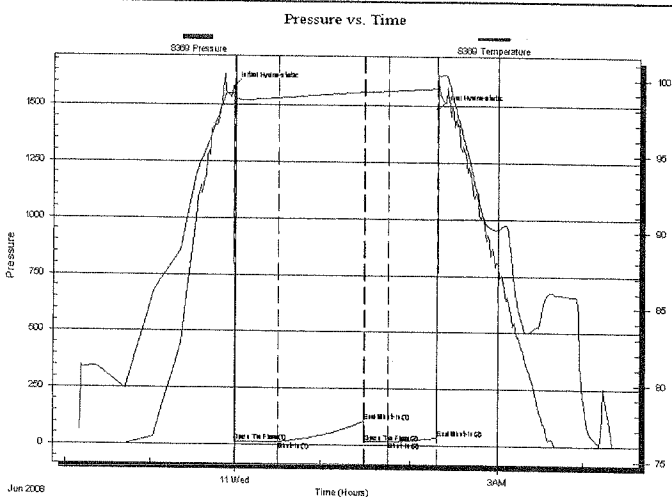
ATTN: Kent Deutsch

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 23:59:39  
Time Test Ended: 04:20:39  
Interval: **3241.00 ft (KB) To 3300.00 ft (KB) (TVD)**  
Total Depth: 3300.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole  
Tester: John Schmidt  
Unit No: 31  
Reference Elevations: 1810.00 ft (KB)  
1805.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8369**      **Inside**  
Press@RunDepth: 16.24 psig @ 3245.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2008.06.10      End Date: 2008.06.11      Last Calib.: 2008.06.11  
Start Time: 22:09:44      End Time: 04:20:38      Time On Btm: 2008.06.10 @ 23:59:09  
Time Off Btm: 2008.06.11 @ 02:18:39

TEST COMMENT: IF Weak Dead in 12 min.  
ISI Dead  
FF Dead  
FSI Dead



## PRESSURE SUMMARY

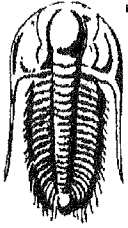
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1579.45	99.09	Initial Hydro-static
1	13.25	98.61	Open To Flow (1)
31	15.14	98.72	Shut-In(1)
90	107.97	99.14	End Shut-In(1)
90	16.03	99.12	Open To Flow (2)
106	16.24	99.21	Shut-In(2)
139	35.41	99.39	End Shut-In(2)
140	1486.42	99.86	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
3.00	SOCMw/Oscum top of tool	0.01

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Deutsch Oil Co

**Stricker # 6-1**

8100 E 22nd St N bldg 600  
Wichita KS 67124

**29 15 14W Russell KS**

ATTN: Kent Deutsch

Job Ticket: 31106

**DST#: 4**

Test Start: 2008.06.10 @ 22:09:39

## Tool Information

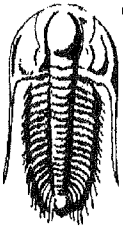
Drill Pipe:	Length: 3059.00 ft	Diameter: 3.80 inches	Volume: 42.91 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 60000.00 lb
			<b>Total Volume: 43.81 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3241.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	59.00 ft			
Tool Length:	79.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3222.00	
Shut In Tool	5.00			3227.00	
Hydraulic tool	5.00			3232.00	
Packer	4.00			3236.00	20.00 Bottom Of Top Packer
Packer	5.00			3241.00	
Stubb	1.00			3242.00	
Perforations	2.00			3244.00	
Change Over Sub	1.00			3245.00	
Recorder	0.00	8369	Inside	3245.00	
Recorder	0.00	6669	Outside	3245.00	
Blank Spacing	31.00			3276.00	
Change Over Sub	1.00			3277.00	
Perforations	20.00			3297.00	
Bullnose	3.00			3300.00	59.00 Bottom Packers & Anchor

**Total Tool Length: 79.00**



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**FLUID SUMMARY**

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Wichita KS 67124

**29 15 14W Russell KS**

Job Ticket: 31106

**DST#: 4**

ATTN: Kent Deutsch

Test Start: 2008.06.10 @ 22:09:39

## 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:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	SOCMw/Oscum top of tool	0.015

Total Length:

3.00 ft

Total Volume:

0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

