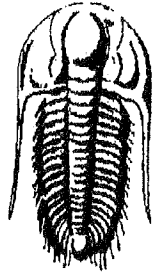


15-101-22055

16-17s-28w



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Larson Engeneering Inc**

562 West State Rd  
Olmitz KS 67564

ATTN: Bob Lewellyn

**16 17 28 Lane KS**

**Eitel #1-16**

Start Date: 2008.01.01 @ 00:33:09

End Date: 2008.01.01 @ 10:34:19

Job Ticket #: 29568 DST #: 1

**CONFIDENTIAL**  
**APR 09 2008**  
**KCC**

**RECEIVED**  
**KANSAS CORPORATION COMMISSION**

**APR 10 2008**  
**CONSERVATION DIVISION**  
**WICHITA, KS**

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

Larson Engeneering Inc

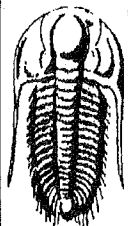
Eitel #1-16

16 17 28 Lane KS

DST # 1

Miss.

2008.01.01



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Larson Engineering Inc

562 West State Rd  
Olmitz KS 67564

ATTN: Bob Lewellyn

**Eitel #1-16**

**16 17 28 Lane KS**

Job Ticket: 29568

**DST#: 1**

Test Start: 2008.01.01 @ 00:33:09

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 05:21:33

Time Test Ended: 10:34:19

Interval: **4535.00 ft (KB) To 4560.00 ft (KB) (TVD)**

Total Depth: **4560.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Domsch**

Unit No: **25**

Reference Elevations: **2763.00 ft (KB)**

**2758.00 ft (CF)**

KB to GR/CF: **5.00 ft**

**Serial #: 6625** **Inside**

Press@RunDepth: **26.17 psig @ 4536.00 ft (KB)**

Start Date: **2008.01.01** End Date: **2008.01.01**

Start Time: **00:33:09** End Time: **10:34:19**

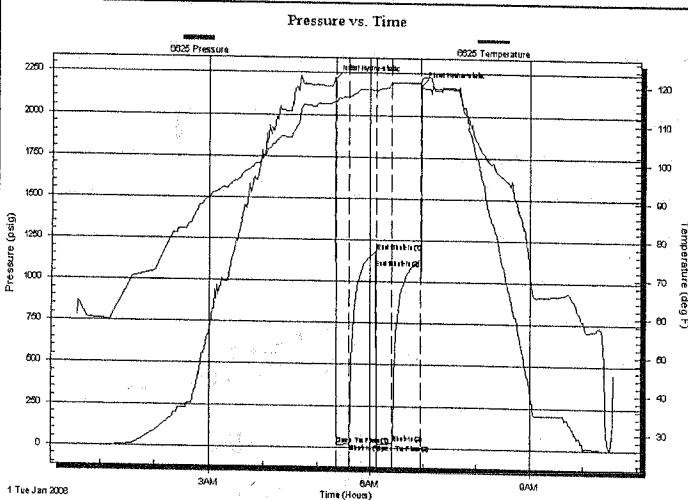
Capacity: **7000.00 psig**

Last Calib.: **2008.01.01**

Time On Btm: **2008.01.01 @ 05:21:03**

Time Off Btm: **2008.01.01 @ 06:58:34**

**TEST COMMENT:** IF Built to 1/4" died in 12 mins.  
IS No return  
FF Very weak surface blow for 4 mins.  
FS No return



## PRESSURE SUMMARY

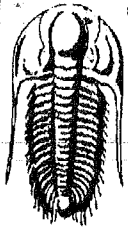
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2213.70	116.18	Initial Hydro-static
1	15.72	115.75	Open To Flow (1)
16	19.83	117.03	Shut-In(1)
46	1180.01	118.93	End Shut-In(1)
47	21.94	118.69	Open To Flow (2)
64	26.17	120.65	Shut-In(2)
97	1135.87	120.82	End Shut-In(2)
98	2176.51	121.69	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%M	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Larson Engineering Inc

**Eitel #1-16**

562 West State Rd  
Olmitz KS 67564

**16 17 28 Lane KS**

Job Ticket: 29568

**DST#: 1**

ATTN: Bob Lewellyn

Test Start: 2008.01.01 @ 00:33:09

## Tool Information

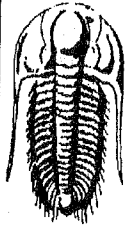
Drill Pipe:	Length: 4105.00 ft	Diameter: 3.80 inches	Volume: 57.58 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 432.00 ft	Diameter: 2.25 inches	Volume: 2.12 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 59.70 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4535.00 ft			Final 80000.00 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
Change Over Sub	1.00			4508.00	
Shut In Tool	5.00			4513.00	
Hydraulic tool	5.00			4518.00	
Jars	5.00			4523.00	
Safety Joint	3.00			4526.00	
Packer	5.00			4531.00	28.00 Bottom Of Top Packer
Packer	4.00			4535.00	
Stubb	1.00			4536.00	
Recorder	0.00	6625	Inside	4536.00	
Recorder	0.00	6741	Inside	4536.00	
Perforations	19.00			4555.00	
Bullnose	5.00			4560.00	25.00 Bottom Packers & Anchor

**Total Tool Length: 53.00**

**CONFIDENTIAL**  
**APR 09 2008**  
**KCC**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Larson Engineering Inc

**Eitel #1-16**

562 West State Rd  
Olmitz KS 67564

**16 17 28 Lane KS**

ATTN: Bob Lew ellyn

Job Ticket: 29568

DST#: 1

Test Start: 2008.01.01 @ 00:33:09

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 41.00 sec/qt

Water Loss: 7.96 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity:

deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100%M	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

