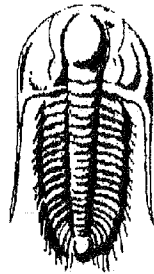


15-101-22076

21-18s-29w

KG



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Larson Engineering Inc**

562 West Hwy 4
Olmitz KS 67564

CONFIDENTIAL
JUN 09 2008

KCC

ATTN: Bob Lewellyn

21 18S 29W Lane KS

Stanley Weber 1-21

Start Date: 2008.02.20 @ 11:20:05

End Date: 2008.02.20 @ 19:10:00

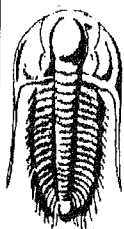
Job Ticket #: 29475 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 10 2008

CONSERVATION DIVISION
WICHITA, KS

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Larson Engineering Inc

562 West Hwy 4
Olmitz KS 67564

ATTN: Bob Lewellyn

Stanley Weber

21 18S 29W Lane KS

Job Ticket: 29475

DST#: 1

Test Start: 2008.02.20 @ 11:20:05

GENERAL INFORMATION:

Formation: H
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:46:00
Time Test Ended: 19:10:00

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 40

Interval: 4136.00 ft (KB) To 4172.00 ft (KB) (TVD)

Total Depth: 4172.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2828.00 ft (KB)

2823.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6771

Outside

Press@RunDepth: 180.93 psig @ 4137.00 ft (KB)

Start Date: 2008.02.20

End Date:

2008.02.20

Start Time: 11:20:05

End Time:

18:53:29

Capacity: 7000.00 psig

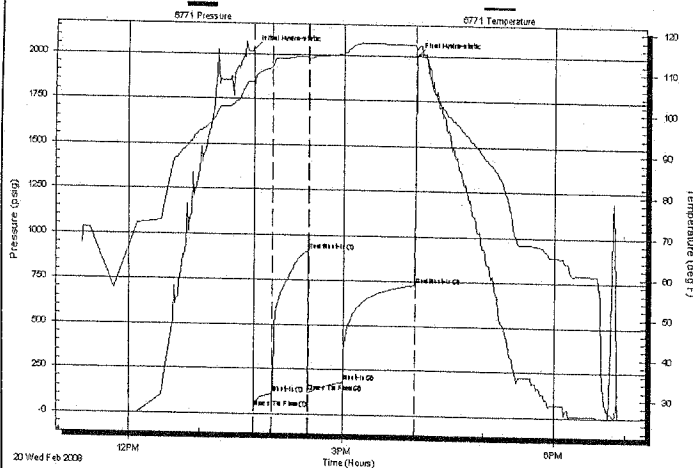
Last Calib.: 2008.02.20

Time On Btm: 2008.02.20 @ 13:45:45

Time Off Btm: 2008.02.20 @ 16:01:30

TEST COMMENT: BOB in 8 min.
No return
BOB in 11 min.
Return in 15 min. built to 1/2 "

Pressure vs. Time



PRESSURE SUMMARY

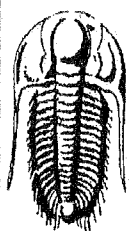
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2023.97	107.34	Initial Hydro-static
1	32.64	106.34	Open To Flow (1)
16	113.75	110.92	Shut-In(1)
45	912.77	113.73	End Shut-In(1)
46	122.62	113.35	Open To Flow (2)
75	180.93	114.42	Shut-In(2)
135	728.73	116.85	End Shut-In(2)
136	1996.85	115.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
270.00	SMGO 5%G 15%M 80%O	2.38
165.00	SGO 5%G 95%O	2.31
0.00	120' weak GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Larson Engineering Inc

Stanley Weber

562 West Hwy 4
Olmitz KS 67564

21 18S 29W Lane KS

Job Ticket: 29475

DST#: 1

ATTN: Bob Lewellyn

Test Start: 2008.02.20 @ 11:20:05

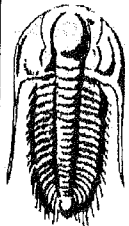
Tool Information

Drill Pipe:	Length: 3981.00 ft	Diameter: 3.80 inches	Volume: 55.84 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: 154.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 56.60 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	4136.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	63.00 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			4110.00	
Shut In Tool	5.00			4115.00	
Hydraulic tool	5.00			4120.00	
Jars	5.00			4125.00	
Safety Joint	2.00			4127.00	
Packer	5.00			4132.00	27.00 Bottom Of Top Packer
Packer	4.00			4136.00	
Stubb	1.00			4137.00	
Recorder	0.00	6667	Inside	4137.00	
Recorder	0.00	6771	Outside	4137.00	
Perforations	30.00			4167.00	
Bullnose	5.00			4172.00	36.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Larson Engineering Inc

Stanley Weber

562 West Hwy 4
Olmitz KS 67564

21 18S 29W Lane KS

Job Ticket: 29475

DST#: 1

ATTN: Bob Lewellyn

Test Start: 2008.02.20 @ 11:20:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 7.97 in³

Resistivity: 0.00 ohm.m

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

34 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
270.00	SMGCO 5%G 15%M 80%O	2.385
165.00	SGO 5%G 95%O	2.315
0.00	120' weak GIP	0.000

Total Length: 435.00 ft

Total Volume: 4.700 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

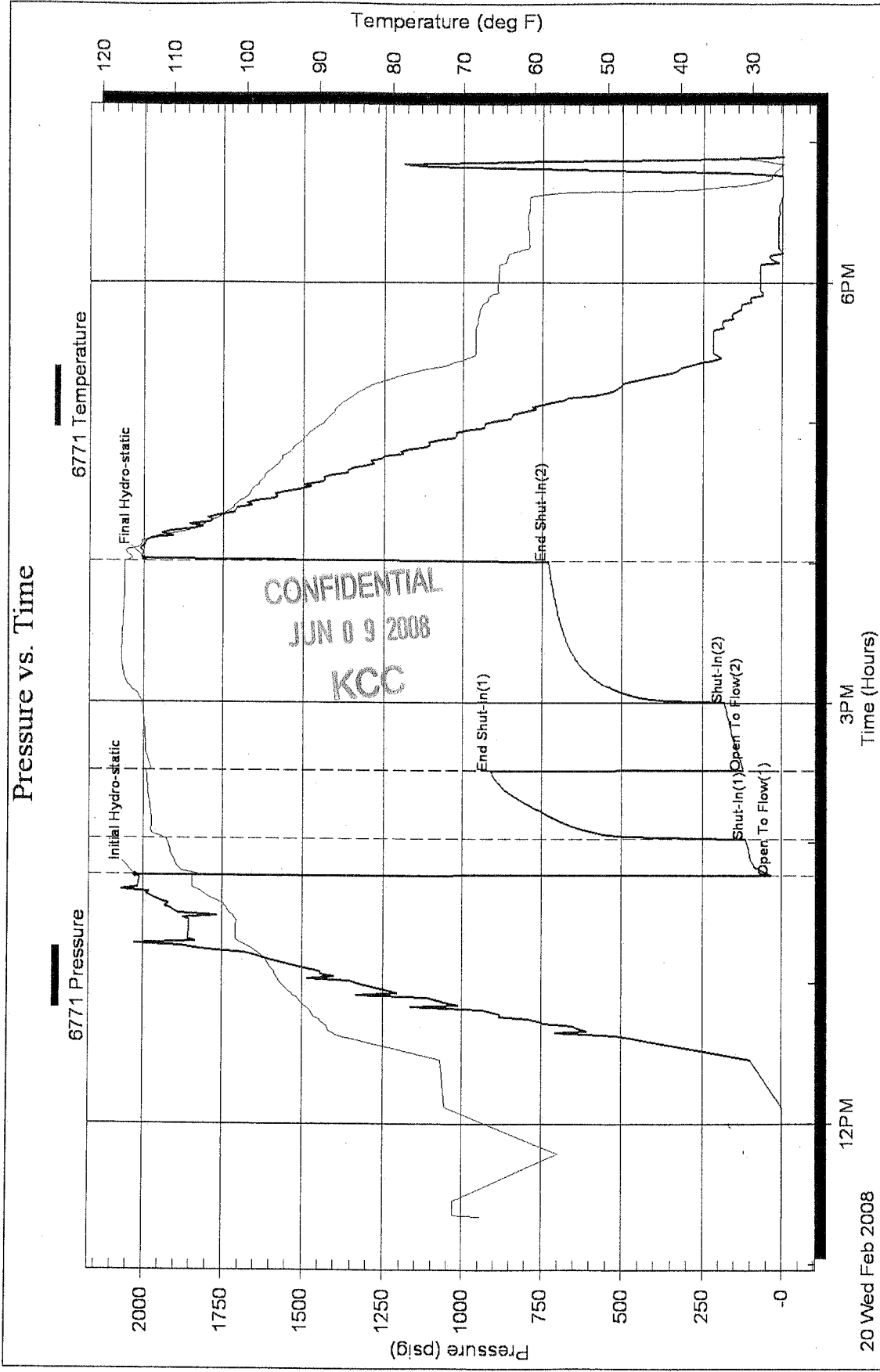
Serial #: 6771

Outside

Larson Engineering Inc

21 18S 29W Lane KS

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 29475

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