

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Eternity Exploration**

901 Lavaca Trail
Colleyville TX 76034

ATTN: Pat Deenihan

2 10 26 Sheridan KS

Werth #1

Start Date: 2008.05.03 @ 14:36:06

End Date: 2008.05.03 @ 19:56:06

Job Ticket #: 31983 DST #: 1

15-179-21197

SW NW SE NW

3432 FSL 1584 FWL

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Eternity Exploration

901 Lavaca Trail
Colleyville TX 76034

ATTN: Pat Deenihan

Werth #1

2 10 26 Sheridan KS

Job Ticket: 31983

DST#: 1

Test Start: 2008.05.03 @ 14:36:06

GENERAL INFORMATION:

Formation: **LKC "D"**

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

Time Tool Opened: 16:37:06

Time Test Ended: 19:56:06

Test Type: **Conventional Bottom Hole**

Tester: **Kyle Kinderknecht**

Unit No: **41**

Interval: **3855.00 ft (KB) To 3905.00 ft (KB) (TVD)**

Total Depth: **3905.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2597.00 ft (KB)**

2592.00 ft (CF)

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

Serial #: 8018

Inside

Press@RunDepth: **50.67 psig @ 3859.00 ft (KB)**

Start Date: **2008.05.03**

End Date:

2008.05.03

Capacity: **7000.00 psig**

Last Calib.: **2008.05.03**

Start Time: **14:36:11**

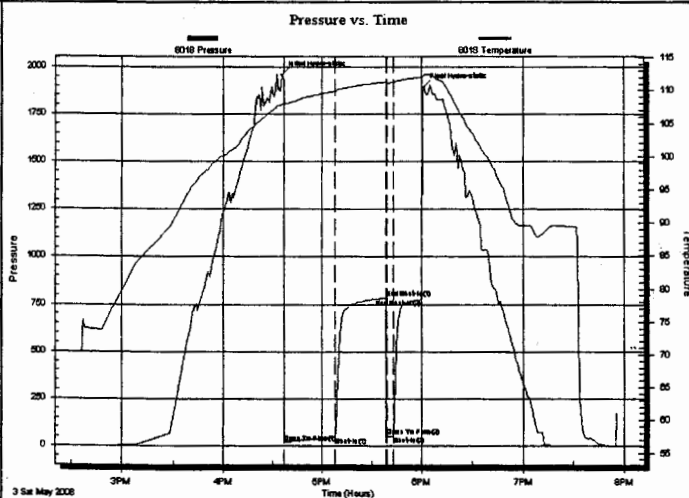
End Time:

19:56:05

Time On Btm: **2008.05.03 @ 16:35:36**

Time Off Btm: **2008.05.03 @ 18:01:06**

TEST COMMENT: IF 2" slow building
FF Weak surface died 3 min



PRESSURE SUMMARY

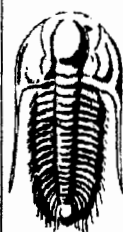
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1957.31	107.83	Initial Hydro-static
2	18.46	107.81	Open To Flow (1)
33	45.32	109.91	Shut-In (1)
63	783.73	111.30	End Shut-In (1)
63	48.87	110.87	Open To Flow (2)
67	50.67	111.20	Shut-In (2)
84	776.69	112.05	End Shut-In (2)
86	1890.23	112.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud	0.34

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Eternity Exploration

Werth #1

901 Lavaca Trail
Colleyville TX 76034

2 10 26 Sheridan KS

Job Ticket: 31983

DST#:1

ATTN: Pat Deenihan

Test Start: 2008.05.03 @ 14:36:06

Tool Information

Drill Pipe:	Length: 3718.00 ft	Diameter: 3.82 inches	Volume: 52.70 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	75000.00 lb
		Total Volume:	53.29 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	3855.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	77.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3833.00	
Hydraulic tool	5.00			3838.00	
Jars	5.00			3843.00	
Safety Joint	2.00			3845.00	
Packer	5.00			3850.00	27.00 Bottom Of Top Packer
Packer	5.00			3855.00	
Stubb	1.00			3856.00	
Perforations	2.00			3858.00	
Change Over Sub	1.00			3859.00	
Recorder	0.00	8018	Inside	3859.00	
Recorder	0.00	6755	Outside	3859.00	
Drill Pipe	32.00			3891.00	
Change Over Sub	1.00			3892.00	
Perforations	10.00			3902.00	
Bullnose	3.00			3905.00	50.00 Bottom Packers & Anchor

Total Tool Length: 77.00



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FLUID SUMMARY

Eternity Exploration

Werth #1

901 Lavaca Trail
Colleyville TX 76034

2 10 26 Sheridan KS

Job Ticket: 31983

DST#: 1

ATTN: Pat Deenihan

Test Start: 2008.05.03 @ 14:36:06

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

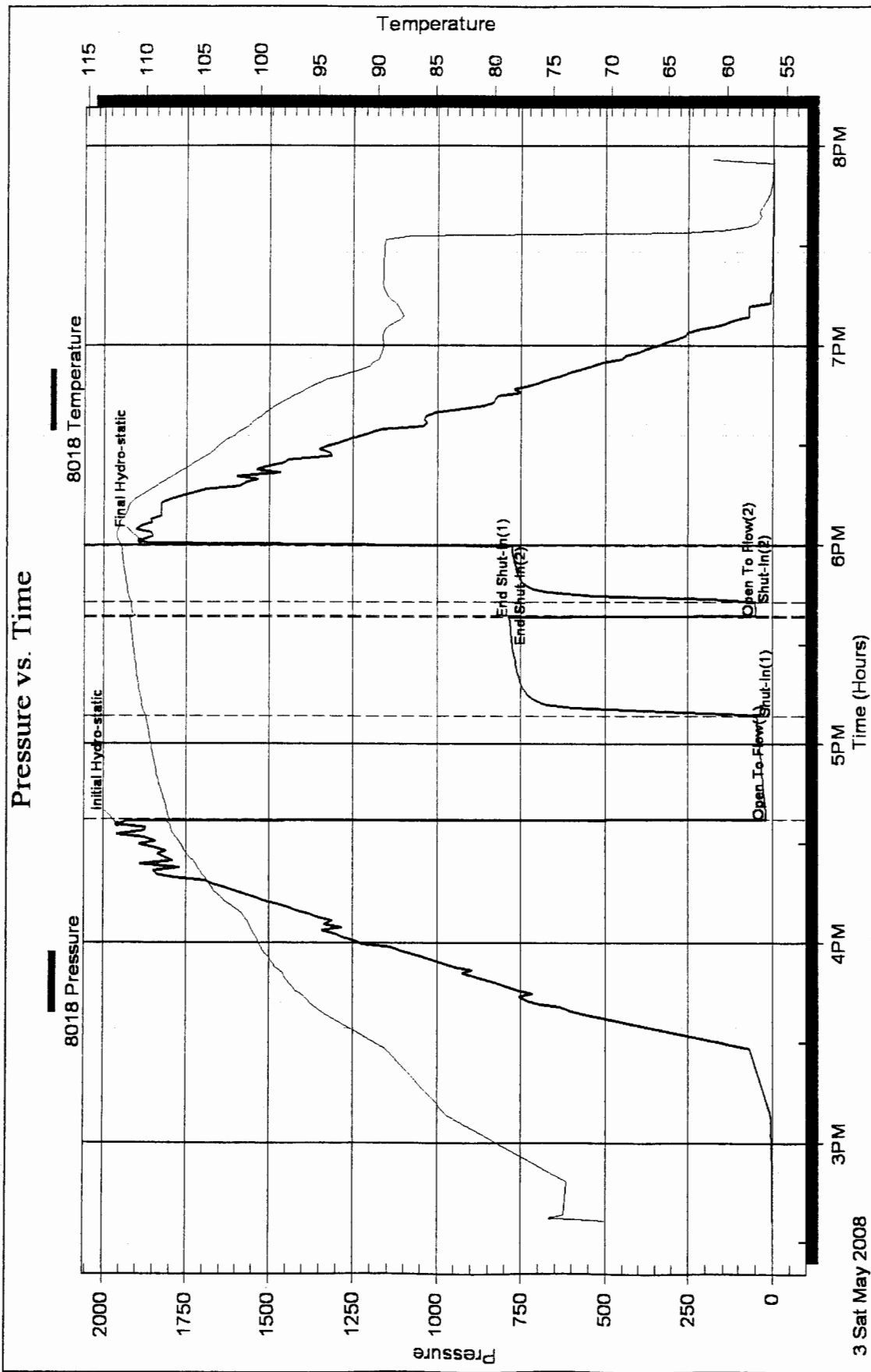
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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DRILL STEM TEST REPORT

Prepared For: **Eternity Exploration**

901 Lavaca Trail
Colleyville TX 76034

ATTN: Pat Deenihan

2 10 26 Sheridan KS

Werth #1

Start Date: 2008.05.04 @ 15:10:06

End Date: 2008.05.04 @ 19:22:06

Job Ticket #: 31984

DST #: 2

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Eternity Exploration

Werth #1

2 10 26 Sheridan KS

DST # 2

LKC "K"

2008.05.04



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Eternity Exploration

901 Lavaca Trail
Colleyville TX 76034

ATTN: Pat Deenihan

Werth #1

2 10 26 Sheridan KS

Job Ticket: 31984

DST#: 2

Test Start: 2008.05.04 @ 15:10:06

GENERAL INFORMATION:

Formation: **LKC "K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:53:06

Time Test Ended: 19:22:06

Test Type: Conventional Bottom Hole

Tester: Kyle Kinderknecht

Unit No: 41

Interval: **4036.00 ft (KB) To 4054.00 ft (KB) (TVD)**

Total Depth: 4054.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2597.00 ft (KB)

2592.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Outside

Press@RunDepth: 12.85 psig @ 4037.00 ft (KB)

Start Date: 2008.05.04

End Date:

2008.05.04

Start Time: 15:10:11

End Time:

19:22:06

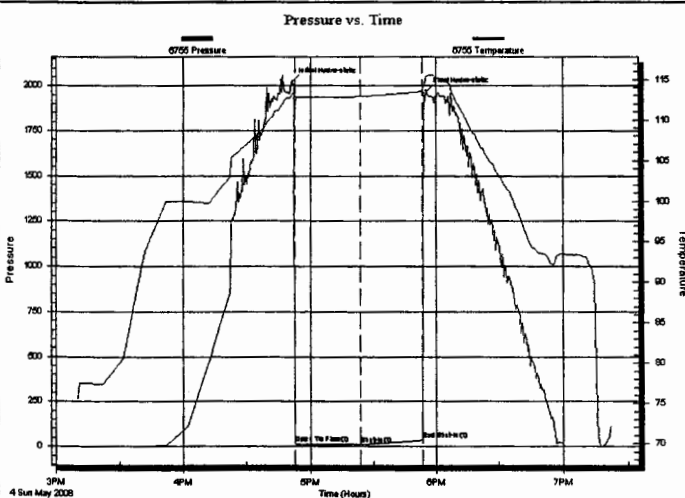
Capacity: 7000.00 psig

Last Calib.: 2008.05.04

Time On Btm: 2008.05.04 @ 16:51:36

Time Off Btm: 2008.05.04 @ 17:55:36

TEST COMMENT: IF Weak surface died 25 min
ISI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2020.60	113.19	Initial Hydro-static
2	19.13	111.91	Open To Flow (1)
32	12.85	112.91	Shut-In (1)
62	37.73	113.53	End Shut-In (1)
64	191.21	115.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.05

Gas Rates

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

Eternity Exploration

Werth #1

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Job Ticket: 31984

DST#: 2

ATTN: Pat Deenihan

Test Start: 2008.05.04 @ 15:10:06

Tool Information

Drill Pipe:	Length: 3904.00 ft	Diameter: 3.82 inches	Volume: 55.34 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	75000.00 lb
		Total Volume:	55.93 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	4036.00 ft			Final	55000.00 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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4021.00	
Hydraulic tool	5.00			4026.00	
Packer	5.00			4031.00	20.00 Bottom Of Top Packer
Packer	5.00			4036.00	
Stubb	1.00			4037.00	
Recorder	0.00	8018	Inside	4037.00	
Recorder	0.00	6755	Outside	4037.00	
Perforations	14.00			4051.00	
Bullnose	3.00			4054.00	18.00 Bottom Packers & Anchor
Total Tool Length:	38.00				



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Job Ticket: 31984

DST#: 2

ATTN: Pat Deenihan

Test Start: 2008.05.04 @ 15:10:06

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: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud	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

