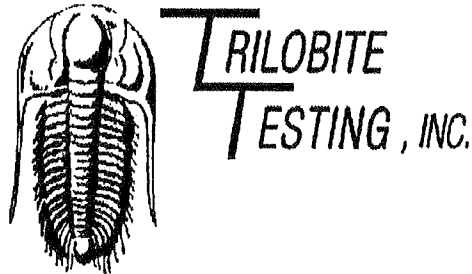


1-10s-21w

IND



DRILL STEM TEST REPORT

Prepared For: **Thomason Petroleum, Inc.**

PO Box 875
Hays, KS 67601

ATTN: Adam Kennedy

15-065-23645

1-10s-21w Graham KS

Lambert A #3

Start Date: 2010.05.22 @ 00:22:18

End Date: 2010.05.22 @ 06:40:18

Job Ticket #: 38662 DST #: 1

KCC
JUL 16 2010
CONFIDENTIAL

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

RECEIVED
JUL 16 2010
KCC WICHITA

Thomason Petroleum, Inc.

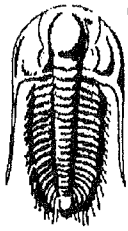
Lambert A #3

1-10s-21w Graham KS

DST # 1

Arbuckle

2010.05.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Thomason Petroleum, Inc.

PO Box 875
Hays, KS 67601

ATTN: Adam Kennedy

Lambert A #3

1-10s-21w Graham KS

Job Ticket: 38662

DST#: 1

Test Start: 2010.05.22 @ 00:22:18

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:03:18

Time Test Ended: 06:40:18

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: 3758.00 ft (KB) To 3853.00 ft (KB) (TVD)

Total Depth: 3853.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2264.00 ft (KB)

2256.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6668

Inside

Press@RunDepth: 32.59 psig @ 3764.00 ft (KB)

Start Date: 2010.05.22

End Date:

2010.05.22

Start Time: 00:22:19

End Time:

06:40:18

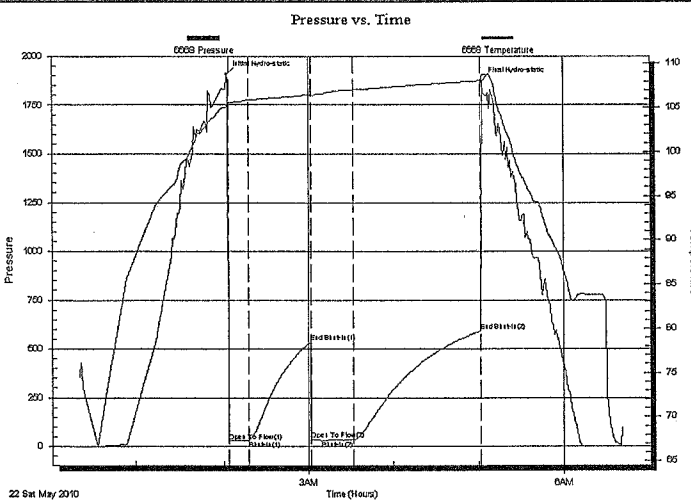
Capacity: 8000.00 psig

Last Calib.: 2010.05.22

Time On Btm: 2010.05.22 @ 02:02:18

Time Off Btm: 2010.05.22 @ 05:02:48

TEST COMMENT: IFP-Weak blow built to 1"
ISI-no blow back
FFP-Weak surface blow throughout
FSI-no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1906.85	105.08	Initial Hydro-static
1	27.36	105.31	Open To Flow (1)
16	29.56	105.84	Shut-In(1)
60	536.60	106.44	End Shut-In(1)
60	33.79	106.39	Open To Flow (2)
90	32.59	107.02	Shut-In(2)
180	592.16	108.03	End Shut-In(2)
181	1873.75	108.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	OCM 20%O,80%M	0.22

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Thomason Petroleum, Inc.

Lambert A #3

PO Box 875
Hays, KS 67601

1-10s-21w Graham KS

Job Ticket: 38662

DST#: 1

ATTN: Adam Kennedy

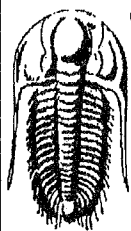
Test Start: 2010.05.22 @ 00:22:18

Tool Information

Drill Pipe:	Length: 3710.00 ft	Diameter: 3.82 inches	Volume: 52.59 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			Total Volume: 52.74 bbl	Tool Chased 5.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3758.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	95.00 ft			
Tool Length:	123.00 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			3731.00	
Shut In Tool	5.00			3736.00	
Hydraulic tool	5.00			3741.00	
Jars	5.00			3746.00	
Safety Joint	2.00			3748.00	
Packer	5.00			3753.00	28.00 Bottom Of Top Packer
Packer	5.00			3758.00	
Stubb	1.00			3759.00	
Perforations	4.00			3763.00	
Change Over Sub	1.00			3764.00	
Recorder	0.00	6668	Inside	3764.00	
Recorder	0.00	6669	Inside	3764.00	
Blank Spacing	63.00			3827.00	
Change Over Sub	1.00			3828.00	
Perforations	22.00			3850.00	
Bullnose	3.00			3853.00	95.00 Bottom Packers & Anchor
Total Tool Length:		123.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Thomason Petroleum, Inc.

Lambert A #3

PO Box 875
Hays, KS 67601

1-10s-21w Graham KS

Job Ticket: 38662

DST#: 1

ATTN: Adam Kennedy

Test Start: 2010.05.22 @ 00:22:18

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: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 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
35.00	OCM 20%O, 80%M	0.218

Total Length: 35.00 ft

Total Volume: 0.218 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

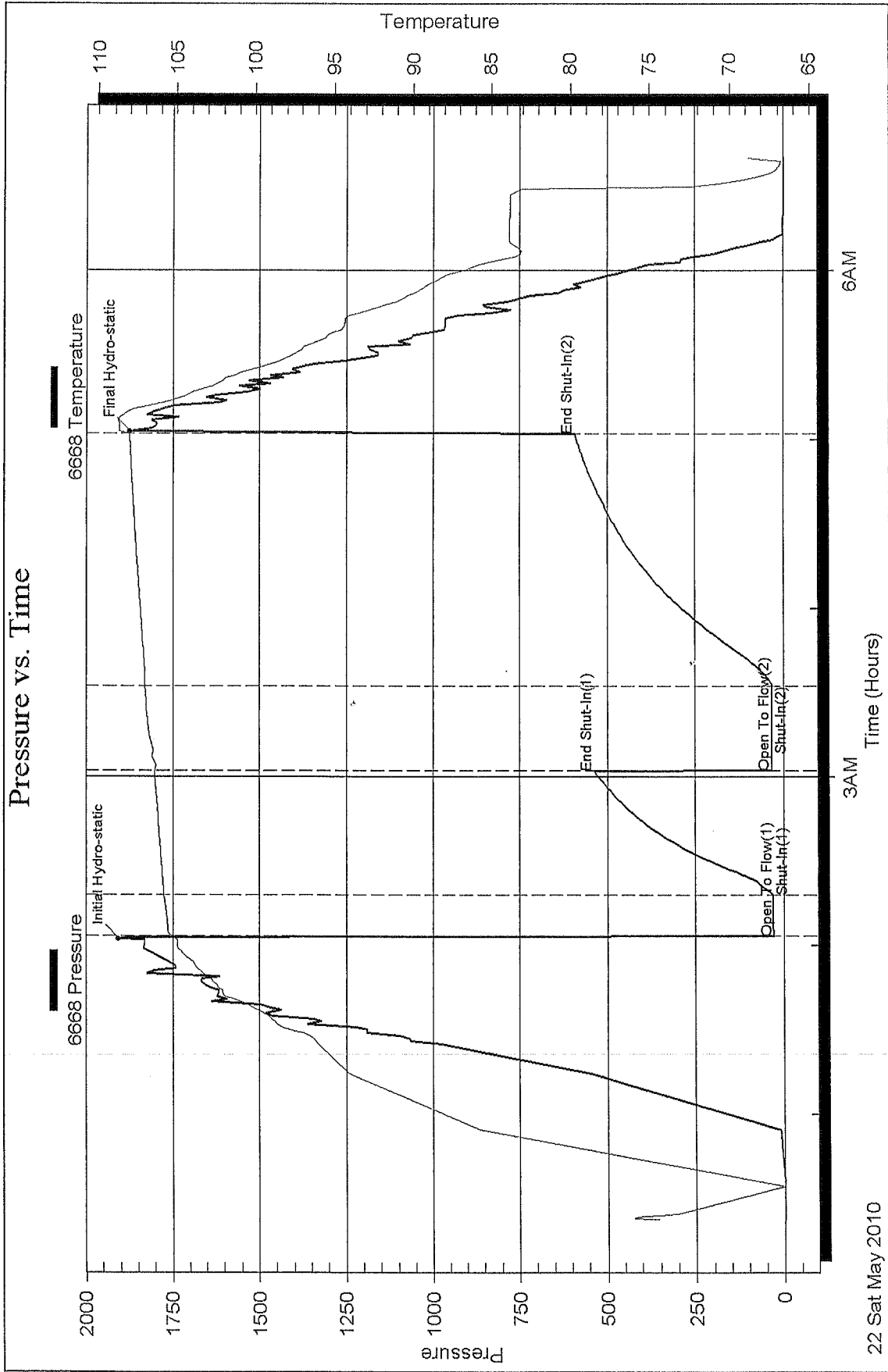
Serial #:

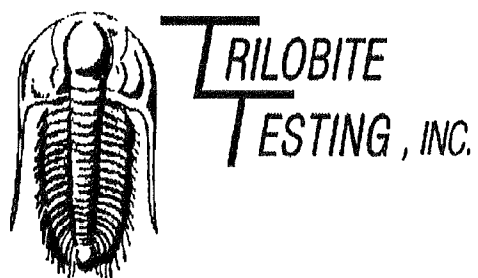
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Thomason Petroleum, Inc.**

PO Box 875
Hays, KS 67601

ATTN: Adam Kennedy

1-10s-21w Graham KS

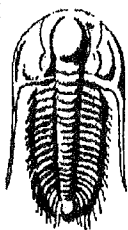
Lambert A #3

Start Date: 2010.05.22 @ 13:48:35

End Date: 2010.05.22 @ 20:21:35

Job Ticket #: 38663 DST #: 2

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Thomason Petroleum, Inc.

PO Box 875
Hays, KS 67601

ATTN: Adam Kennedy

Lambert A #3

1-10s-21w Graham KS

Job Ticket: 38663

DST#: 2

Test Start: 2010.05.22 @ 13:48:35

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:19:35

Time Test Ended: 20:21:35

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 44

Interval: **3853.00 ft (KB) To 3866.00 ft (KB) (TVD)**

Total Depth: 3866.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2264.00 ft (KB)

2256.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6668

Inside

Press@RunDepth: 38.36 psig @ 3854.00 ft (KB)

Start Date: 2010.05.22

End Date:

2010.05.22

Start Time: 13:48:36

End Time:

20:21:35

Capacity: 8000.00 psig

Last Calib.: 2010.05.22

Time On Btm: 2010.05.22 @ 15:18:35

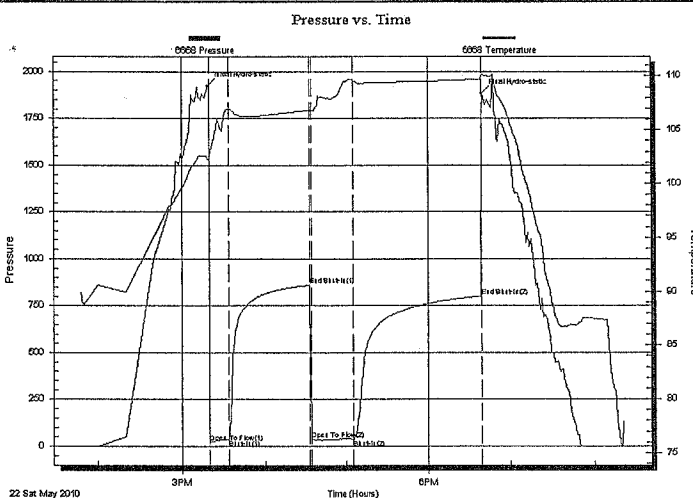
Time Off Btm: 2010.05.22 @ 18:39:35

TEST COMMENT: IFP-Weak blow built to 1/2"

ISI-no blow back

FFP-Weak surface blow

FSI-no blow back



PRESSURE SUMMARY

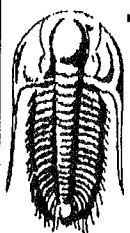
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1925.82	102.25	Initial Hydro-static
1	23.43	102.53	Open To Flow (1)
15	37.97	106.94	Shut-In(1)
75	860.69	106.83	End Shut-In(1)
76	35.73	106.76	Open To Flow (2)
107	38.36	109.57	Shut-In(2)
200	800.68	109.68	End Shut-In(2)
201	1883.99	110.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 10%O,90%M	0.15
9.00	MCO 60%O,40%M	0.13
1.00	CO	0.01

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Thomason Petroleum, Inc.

Lambert A #3

PO Box 875
Hays, KS 67601

1-10s-21w Graham KS

Job Ticket: 38663

DST#: 2

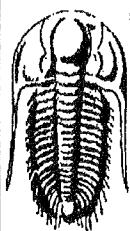
ATTN: Adam Kennedy

Test Start: 2010.05.22 @ 13:48:35

Tool Information

Drill Pipe:	Length: 3808.00 ft	Diameter: 3.82 inches	Volume: 53.98 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 54.13 bbl		Tool Chased 1.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3853.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	34.00 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			3833.00	
Shut In Tool	5.00			3838.00	
Hydraulic tool	5.00			3843.00	
Packer	5.00			3848.00	21.00 * Bottom Of Top Packer
Packer	5.00			3853.00	
Stubb	1.00			3854.00	
Recorder	0.00	6668	Inside	3854.00	
Recorder	0.00	6669	Inside	3854.00	
Perforations	9.00			3863.00	
Bullnose	3.00			3866.00	13.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Thomason Petroleum, Inc.

Lambert A #3

PO Box 875
Hays, KS 67601

1-10s-21w Graham KS

Job Ticket: 38663

DST#: 2

ATTN: Adam Kennedy

Test Start: 2010.05.22 @ 13:48:35

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: 64.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCM 10%O,90%M	0.148
9.00	MCO 60%O,40%M	0.128
1.00	CO	0.014

Total Length: 40.00 ft

Total Volume: 0.290 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

