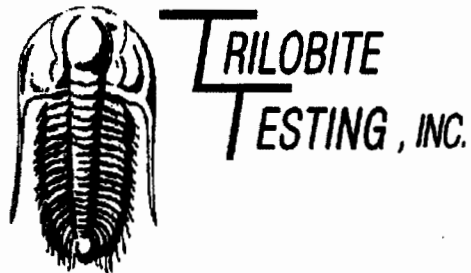


15-135-24627



DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

3 16 26 Ness KS

Thornburg A #3

Start Date: 2007.04.08 @ 01:37:18

End Date: 2007.04.08 @ 09:28:03

Job Ticket #: 28240 DST #: 1

KCC
JUN 14 2007
CONFIDENTIAL

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Pintail Petroleum
225 N Market Ste 300
Wichita KS 67202
ATTN: Flip Phillips

Thornburg A #3
3 16 26 Ness KS
Job Ticket: 28240 **DST#: 1**
Test Start: 2007.04.08 @ 01:37:18

GENERAL INFORMATION:

Formation: .H-I
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:15:18
Time Test Ended: 09:28:03

Test Type: Conventional Bottom Hole
Tester: Michael Armbrister
Unit No: 38

Interval: **4032.00 ft (KB) To 4092.00 ft (KB) (TVD)**
Total Depth: 4092.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2575.00 ft (KB)
2570.00 ft (CF)
KB to GR/CF: 5.00 ft

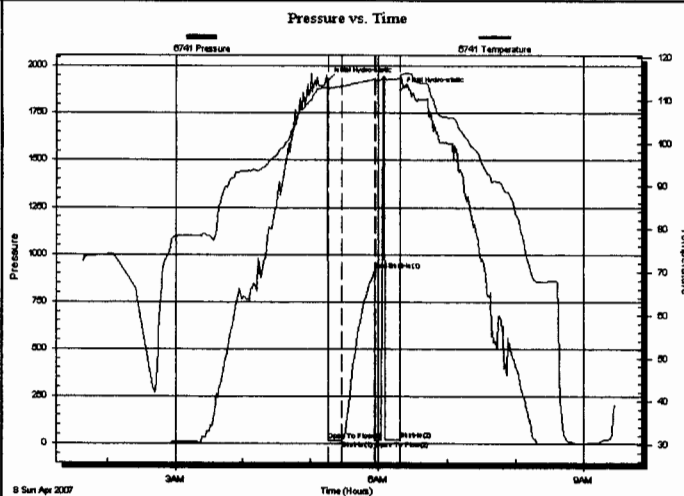
Serial #: 6741

Inside

Press@RunDepth: 15.90 psig @ 4038.00 ft (KB)
Start Date: 2007.04.08 End Date: 2007.04.08
Start Time: 01:37:20 End Time: 09:28:03

Capacity: 7000.00 psig
Last Calib.: 2007.04.08
Time On Btm: 2007.04.08 @ 05:15:03
Time Off Btm: 2007.04.08 @ 06:18:48

TEST COMMENT: IF Weak surface blow Died 9 m
ISI Dead
FF Dead Flushed Pulled



PRESSURE SUMMARY

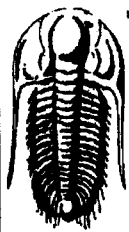
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1920.99	112.98	Initial Hydro-static
1	13.65	112.58	Open To Flow (1)
12	15.90	113.23	Shut-In (1)
42	916.87	114.86	End Shut-In (1)
42	16.20	114.64	Open To Flow (2)
64	22.04	115.07	Shut-In (2)
64	1870.86	115.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	VSOCM.01%O 99.9%M	0.04

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

225 N Market Ste 300
Wichita KS 67202

ATTN: Rip Phillips

Thornburg A #3

3 16 26 Ness KS

Job Ticket: 28240

DST#: 1

Test Start: 2007.04.08 @ 01:37:18

Tool Information

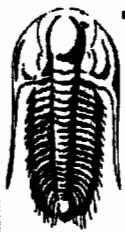
Drill Pipe:	Length: 3917.00 ft	Diameter: 3.80 inches	Volume: 54.95 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume: 55.56 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4032.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	81.00 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			4012.00	
Shut in Tool	5.00			4017.00	
Hydraulic tool	5.00			4022.00	
Packer	5.00			4027.00	21.00 Bottom Of Top Packer
Packer	5.00			4032.00	
Stubb	1.00			4033.00	
Perforations	5.00			4038.00	
Recorder	0.00	6741	Inside	4038.00	
Drill Pipe	31.00			4069.00	
Recorder	0.00	13254	Outside	4069.00	
Perforations	20.00			4089.00	
Bullnose	3.00			4092.00	60.00 Bottom Packers & Anchor

Total Tool Length: 81.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Thornburg A #3

225 N Market Ste 300
Wichita KS 67202

3 16 26 Ness KS

Job Ticket: 28240

DST#: 1

ATTN: Flip Phillips

Test Start: 2007.04.08 @ 01:37:18

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	VSOCM .01%O 99.9%M	0.039

Total Length: 8.00 ft

Total Volume: 0.039 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

3 16 26 Ness KS

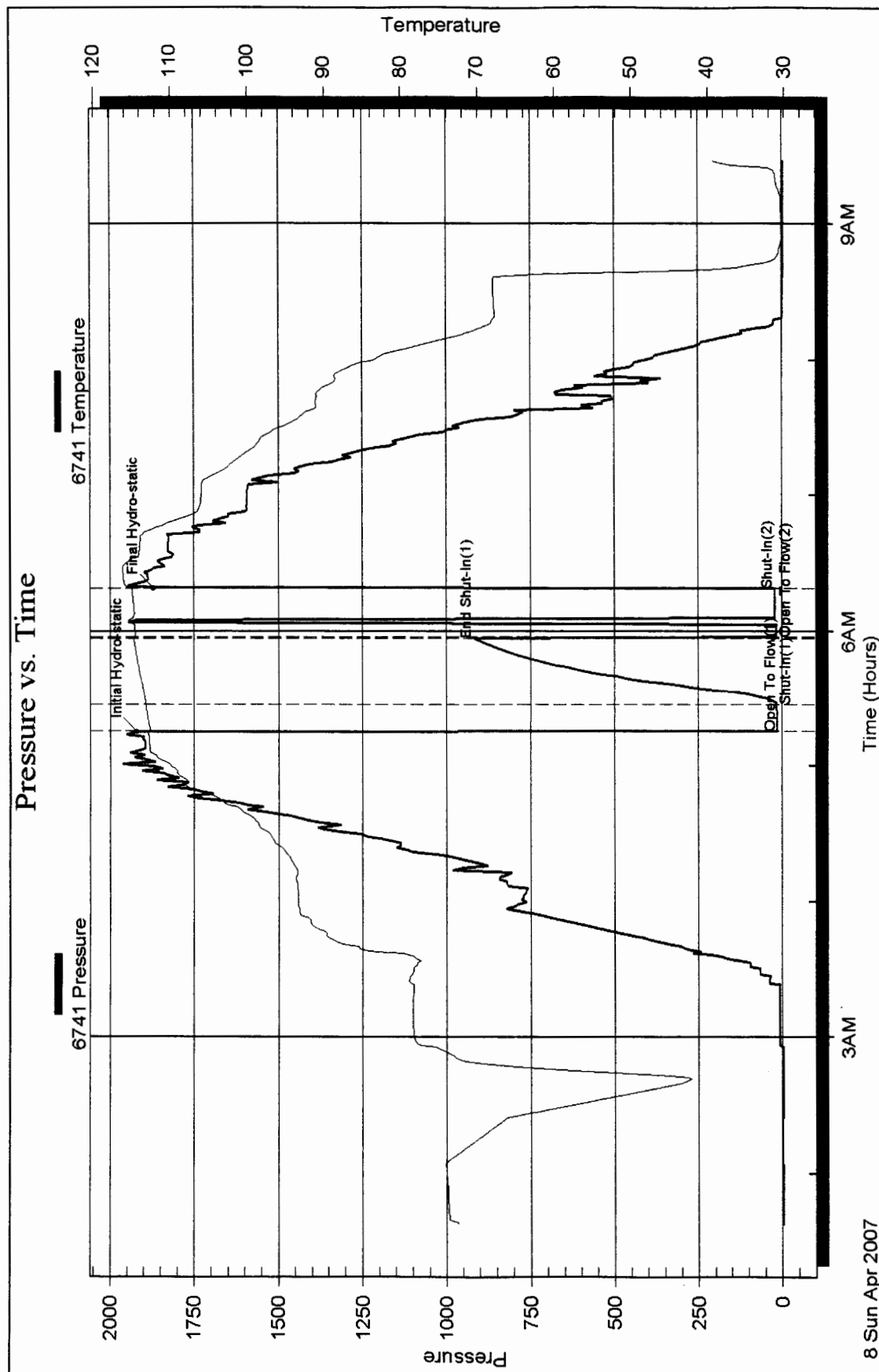
Inside

Inside

Serial #: 6741

Printail Petroleum

Pressure vs. Time



Ref. No: 28240

Trilobite Testing, Inc

Printed: 2007.04.11 @ 10:29:57 Page 5



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

3 16 26 Ness KS

Thornburg A #3

Start Date: 2007.04.09 @ 13:05:16

End Date: 2007.04.09 @ 20:09:01

Job Ticket #: 27464 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Pintail Petroleum

Thornburg A #3

3 16 26 Ness KS

DST # 2

Ft Scott

2007.04.09



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Pintail Petroleum
225 N Market Ste 300
Wichita KS 67202
ATTN: Flip Phillips

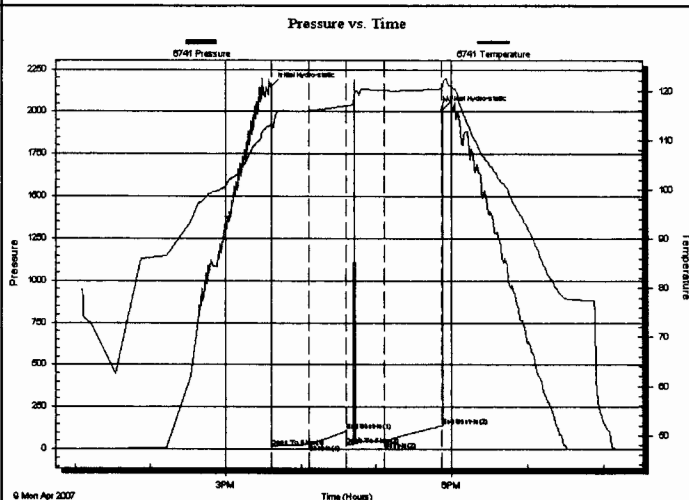
Thornburg A #3
3 16 26 Ness KS
Job Ticket: 27464 **DST#: 2**
Test Start: 2007.04.09 @ 13:05:16

GENERAL INFORMATION:

Formation: **Ft Scott**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:36:36
Time Test Ended: 20:09:01
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38
Interval: **4345.00 ft (KB) To 4405.00 ft (KB) (TVD)**
Reference Elevations: 2575.00 ft (KB)
Total Depth: 4405.00 ft (KB) (TVD)
2570.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good
KB to GR/CF: 5.00 ft

Serial #: 6741 **Inside**
Press@RunDepth: 46.79 psig @ 4352.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2007.04.09 End Date: 2007.04.09 Last Calib.: 2007.04.09
Start Time: 13:05:18 End Time: 20:09:01 Time On Btm: 2007.04.09 @ 15:36:26
Time Off Btm: 2007.04.09 @ 17:53:16

TEST COMMENT: IF Weak building to 3 "
FF Weak surging blow - flushed tool - built to 2 " surging - flushed tool - weak dying blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2151.90	113.04	Initial Hydro-static
1	13.84	112.58	Open To Flow (1)
30	25.86	115.93	Shut-In (1)
60	107.52	116.99	End Shut-In (1)
61	25.32	116.99	Open To Flow (2)
91	46.79	120.07	Shut-In (2)
137	139.07	120.48	End Shut-In (2)
137	2013.53	121.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud w/scum of Oil	0.34
0.00	110 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

Pintail Petroleum

Thornburg A #3

225 N Market Ste 300
Wichita KS 67202

3 16 26 Ness KS

Job Ticket: 27464

DST#: 2

ATTN: Flip Phillips

Test Start: 2007.04.09 @ 13:05:16

Tool Information

Drill Pipe:	Length: 4228.00 ft	Diameter: 3.80 inches	Volume: 59.31 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 59.92 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4345.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	81.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				
Had to short trip				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4325.00	
Shut In Tool	5.00			4330.00	
Hydraulic tool	5.00			4335.00	
Packer	5.00			4340.00	21.00 Bottom Of Top Packer
Packer	5.00			4345.00	
Stubb	1.00			4346.00	
Perforations	5.00			4351.00	
Change Over Sub	1.00			4352.00	
Recorder	0.00	6741	Inside	4352.00	
Drill Pipe	31.00			4383.00	
Change Over Sub	1.00			4384.00	
Recorder	0.00	13254	Outside	4384.00	
Perforations	18.00			4402.00	
Bullnose	3.00			4405.00	60.00 Bottom Packers & Anchor

Total Tool Length: 81.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Thornburg A #3

225 N Market Ste 300
Wichita KS 67202

3 16 26 Ness KS

Job Ticket: 27464

DST#: 2

ATTN: Flip Phillips

Test Start: 2007.04.09 @ 13:05:16

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: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud w/scum of Oil	0.344
0.00	110 GIP	0.000

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:

DST Test Number: 2

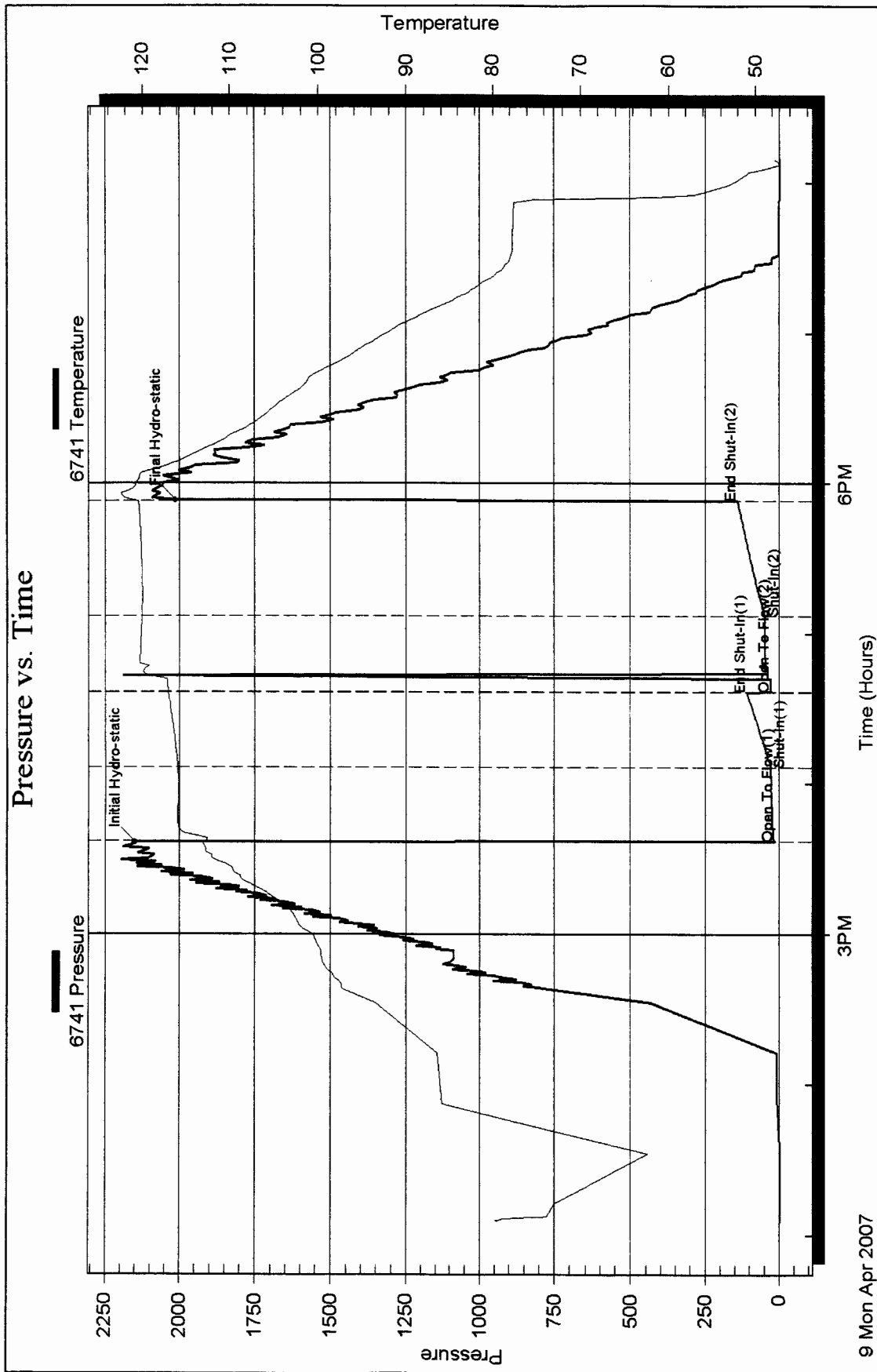
3 16 26 Ness KS

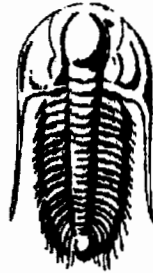
Inside

Inside

Serial #: 6741

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pintail Petroleum**

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

3 16 26 Ness KS

Thornburg A #3

Start Date: 2007.04.10 @ 08:20:31

End Date: 2007.04.10 @ 16:27:31

Job Ticket #: 27465 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Pintail Petroleum
225 N Market Ste 300
Wichita KS 67202
ATTN: Flip Phillips

Thornburg A #3
3 16 26 Ness KS
Job Ticket: 27465 **DST#: 3**
Test Start: 2007.04.10 @ 08:20:31

GENERAL INFORMATION:

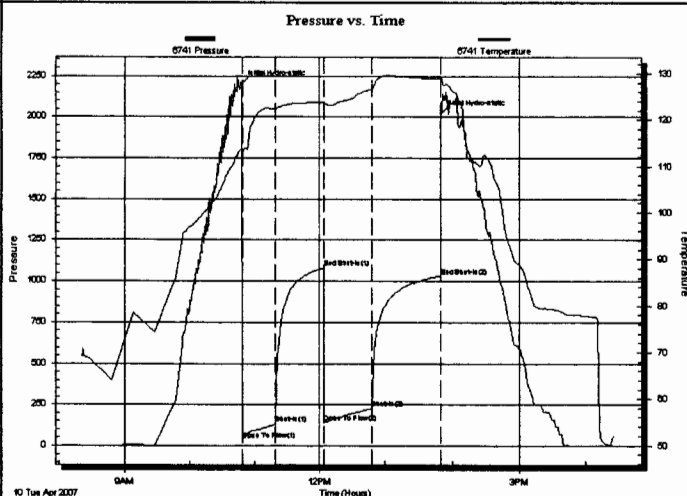
Formation: **Miss**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 10:48:51
Time Test Ended: 16:27:31
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38
Interval: **4426.00 ft (KB) To 4500.00 ft (KB) (TVD)**
Reference Elevations: 2575.00 ft (KB)
Total Depth: 4500.00 ft (KB) (TVD) 2570.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: 227.98 psig @ 4430.00 ft (KB)
Start Date: 2007.04.10 End Date: 2007.04.10
Start Time: 08:20:33 End Time: 16:27:31
Capacity: 7000.00 psig
Last Calib.: 2007.04.10
Time On Btm: 2007.04.10 @ 10:48:31
Time Off Btm: 2007.04.10 @ 13:49:46

TEST COMMENT: IF Strong B-B in 14 min
ISI Weak surface blow
FF Strong B-B in 13 min
FSI Weak surface blow



PRESSURE SUMMARY

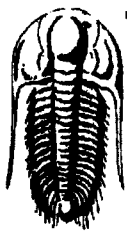
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2198.17	113.85	Initial Hydro-static
1	33.06	113.35	Open To Flow (1)
31	132.93	122.31	Shut-In(1)
76	1081.06	123.86	End Shut-In(1)
76	142.50	123.58	Open To Flow (2)
120	227.98	126.55	Shut-In(2)
181	1031.72	128.88	End Shut-In(2)
182	2020.04	129.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	OCGsyM 10%G 20%O 80%M	2.35
62.00	MCGsyO 20%G 60%O 20%M	0.87
185.00	CGsyO 20%G 80%O	2.60
0.00	370 GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pintail Petroleum

225 N Market Ste 300
Wichita KS 67202

ATTN: Flip Phillips

Thornburg A #3

3 16 26 Ness KS

Job Ticket: 27465

DST#: 3

Test Start: 2007.04.10 @ 08:20:31

Tool Information

Drill Pipe:	Length: 4290.00 ft	Diameter: 3.80 inches	Volume: 60.18 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	60.79 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4426.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.00 ft			
Tool Length:	95.00 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			4406.00	
Shut In Tool	5.00			4411.00	
Hydraulic tool	5.00			4416.00	
Packer	5.00			4421.00	21.00 Bottom Of Top Packer
Packer	5.00			4426.00	
Stubb	1.00			4427.00	
Perforations	2.00			4429.00	
Change Over Sub	1.00			4430.00	
Recorder	0.00	6741	Inside	4430.00	
Drill Pipe	61.00			4491.00	
Change Over Sub	1.00			4492.00	
Recorder	0.00	13254	Outside	4492.00	
Perforations	5.00			4497.00	
Bullnose	3.00			4500.00	74.00 Bottom Packers & Anchor

Total Tool Length: 95.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Pintail Petroleum

Thornburg A #3

225 N Market Ste 300
Wichita KS 67202

3 16 26 Ness KS

Job Ticket: 27465

DST#: 3

ATTN: Flip Phillips

Test Start: 2007.04.10 @ 08:20:31

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	OCGsyM 10%G 20%O 80%M	2.349
62.00	MCGsyO 20%G 60%O 20%M	0.870
185.00	CGsyO 20%G 80%O	2.595
0.00	370 GIP	0.000

Total Length: 495.00 ft

Total Volume: 5.814 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

