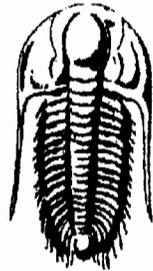


1-10s-21w



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Thomason Petroleum Inc.**

P O Box 875  
Hays KS 67601

ATTN: Jeff Zoller

**1-10s-21w Graham**

**Desair #1**

Start Date: 2005.12.29 @ 10:10:50

End Date: 2005.12.29 @ 17:48:20

Job Ticket #: 23605          DST #: 1

15-065-23119-00-00

SW NW SE SW

980 FSL 1560 FWL

Thomason Petroleum Inc.

Desair #1

1-10s-21w Graham

DST # 1

ARB.

2005.12.29

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Thomason Petroleum Inc.

Desair #1

P O Box 875  
Hays KS 67601

1-10s-21w Graham

ATTN: Jeff Zoller

Job Ticket: 23605

DST#: 1

Test Start: 2005.12.29 @ 10:10:50

## GENERAL INFORMATION:

Formation: ARB.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:54:50

Time Test Ended: 17:48:20

Test Type: Conventional Bottom Hole

Tester: Michael

Unit No: 22

Interval: 3764.00 ft (KB) To 3828.00 ft (KB) (TVD)

Total Depth: 3828.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2261.00 ft (KB)

2256.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166

Inside

Press@RunDepth: 353.07 psig @ 3804.00 ft (KB)

Start Date: 2005.12.29

End Date:

2005.12.29

Capacity: 7000.00 psig

Last Calib.: 2005.12.29

Start Time: 10:10:51

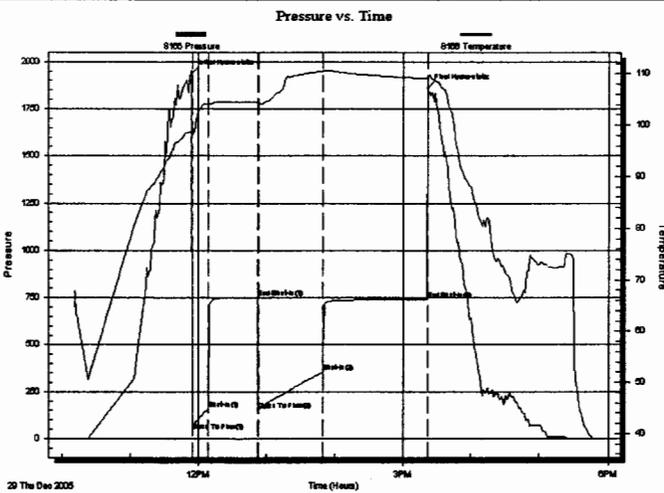
End Time:

17:48:20

Time On Btmr 2005.12.29 @ 11:54:20

Time Off Btmr 2005.12.29 @ 15:22:20

TEST COMMENT: IF- B of B 5m  
IS- No blow  
FF- B of B 9m  
FS- 1' Blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1936.60	98.82	Initial Hydro-static
1	40.01	98.31	Open To Flow (1)
15	158.49	103.95	Shut-In(1)
59	752.89	104.47	End Shut-In(1)
59	151.13	104.32	Open To Flow (2)
115	353.07	110.51	Shut-In(2)
208	740.93	109.15	End Shut-In(2)
208	1860.08	109.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	Slightly Ocut W5% O95% w	1.42
60.00	Slightly M&Ocut W5% m10% O85% w	0.84
430.00	W&Mcut O13% w 15% m72% o	6.03
120.00	Clean 29G Oil	1.68

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Thomason Petroleum Inc.

Desair #1

P O Box 875  
Hays KS 67601

1-10s-21w Graham

ATTN: Jeff Zoller

Job Ticket: 23605

DST#: 1

Test Start: 2005.12.29 @ 10:10:50

### Tool Information

Drill Pipe:	Length: 3636.00 ft	Diameter: 3.80 inches	Volume: 51.00 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 51.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3764.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3749.00	
Hydraulic tool	5.00			3754.00	
Packer	5.00			3759.00	20.00 Bottom Of Top Packer
Packer	5.00			3764.00	
Stubb	1.00			3765.00	
Perforations	5.00			3770.00	
Change Over Sub	1.00			3771.00	
Drill Pipe	32.00			3803.00	
Change Over Sub	1.00			3804.00	
Recorder	0.00	8166	Inside	3804.00	
Perforations	21.00			3825.00	
Recorder	0.00	11020	Inside	3825.00	
Bullnose	3.00			3828.00	64.00 Bottom Packers & Anchor

**Total Tool Length: 84.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Thomason Petroleum Inc.

**Desair #1**

P O Box 875  
Hays KS 67601

**1-10s-21w Graham**

Job Ticket: 23605

**DST#: 1**

ATTN: Jeff Zoller

Test Start: 2005.12.29 @ 10:10:50

### 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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.96 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	Slightly Ocut W5%o95%w	1.423
60.00	Slightly M&Ocut W5% m10%o85%w	0.842
430.00	W&Mcut O13%w 15% m72%o	6.032
120.00	Clean 29G Oil	1.683

Total Length: 790.00 ft      Total Volume: 9.980 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

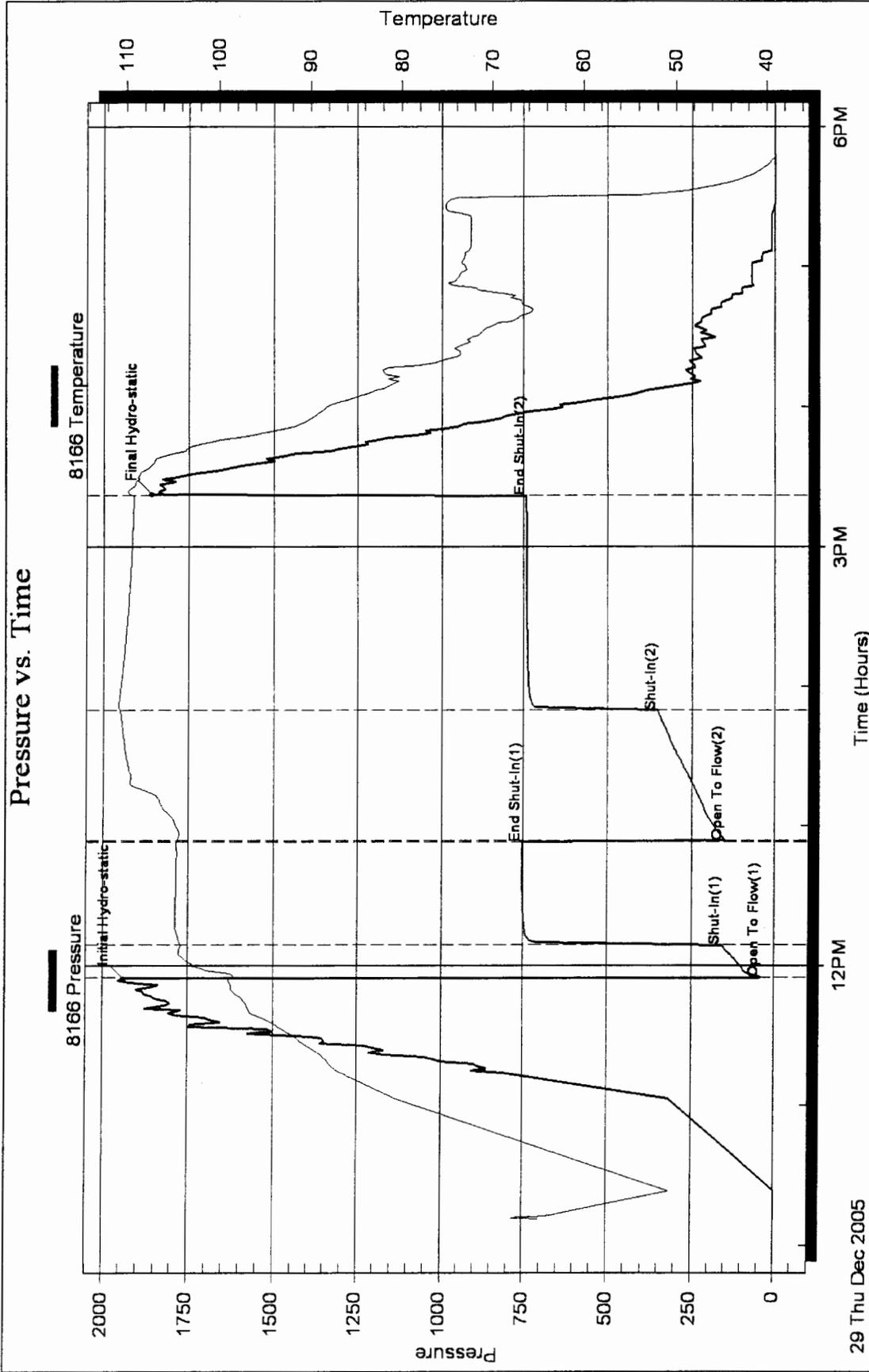
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time



29 Thu Dec 2005



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Thomason Petroleum Inc.**

P O Box 875  
Hays KS 67601

ATTN: Jeff Zoller

**1-10s-21w Graham**

**Desair #1**

Start Date: 2005.12.30 @ 00:07:55

End Date: 2005.12.30 @ 09:36:10

Job Ticket #: 23606                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Thomason Petroleum Inc.

Desair #1

1-10s-21w Graham

DST # 2

Arb

2005.12.30



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Thomason Petroleum Inc.

Desair #1

P O Box 875  
Hays KS 67601

1-10s-21w Graham

ATTN: Jeff Zoller

Job Ticket: 23606

DST#: 2

Test Start: 2005.12.30 @ 00:07:55

## GENERAL INFORMATION:

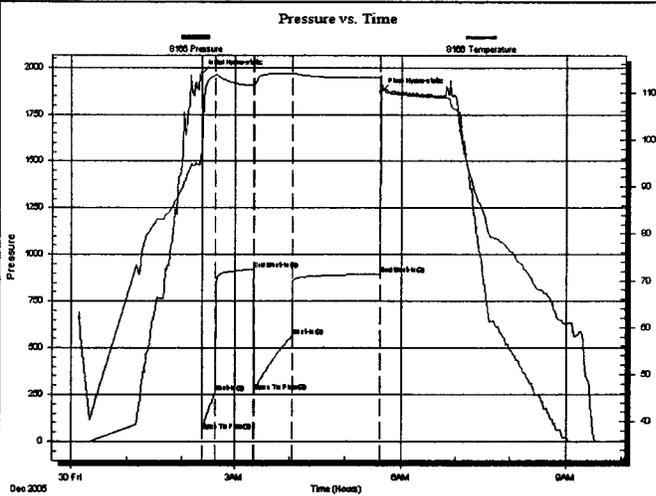
Formation: Arb  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:23:10  
 Time Test Ended: 09:36:10  
 Interval: 3829.00 ft (KB) To 3839.00 ft (KB) (TVD)  
 Total Depth: 3839.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Michael  
 Unit No: 22  
 Reference Elevations: 2261.00 ft (KB)  
 2256.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8166

Inside

Press@RunDepth: 561.90 psig @ 3830.00 ft (KB) Capacity: 7000.00 psig  
 Start Date: 2005.12.30 End Date: 2005.12.30 Last Calib.: 2005.12.30  
 Start Time: 00:07:56 End Time: 09:36:10 Time On Btm: 2005.12.30 @ 02:22:55  
 Time Off Btm: 2005.12.30 @ 05:38:10

TEST COMMENT: F- B of B 1m 30s  
 IS- 1" Blow back  
 FF- B of B 2m 30s  
 FSI- 1" Blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1968.28	97.25	Initial Hydro-static
1	58.48	97.52	Open To Flow (1)
16	261.89	113.63	Shut-In(1)
59	920.95	111.56	End Shut-In(1)
59	267.95	111.29	Open To Flow (2)
100	561.90	113.95	Shut-In(2)
195	896.04	113.21	End Shut-In(2)
196	1870.67	113.55	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
560.00	Salt water 2%o 98%w	6.75
760.00	Clean 29 Gravity oil	10.66

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Thomason Petroleum Inc.

**Desair #1**

P.O. Box 875  
Hays KS 67601

**1-10s-21w Graham**

Job Ticket: 23606

**DST#: 2**

ATTN: Jeff Zoller

Test Start: 2005.12.30 @ 00:07:55

**Tool Information**

Drill Pipe:	Length: 3700.00 ft	Diameter: 3.80 inches	Volume: 51.90 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 52.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3829.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	30.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut In Tool	5.00			3814.00	
Hydraulic tool	5.00			3819.00	
Packer	5.00			3824.00	20.00 Bottom Of Top Packer
Packer	5.00			3829.00	
Stubb	1.00			3830.00	
Recorder	0.00	8166	Inside	3830.00	
Perforations	6.00			3836.00	
Recorder	0.00	11020	Inside	3836.00	
Bullnose	3.00			3839.00	10.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>30.00</b>				



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Thomason Petroleum Inc.

**Desair #1**

P.O. Box 875  
Hays KS 67601

**1-10s-21w Graham**

Job Ticket: 23606

**DST#: 2**

ATTN: Jeff Zoller

Test Start: 2005.12.30 @ 00:07:55

**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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.95 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
560.00	Salt water 2%o 98%w	6.753
760.00	Clean 29 Gravity oil	10.661

Total Length: 1320.00 ft      Total Volume: 17.414 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

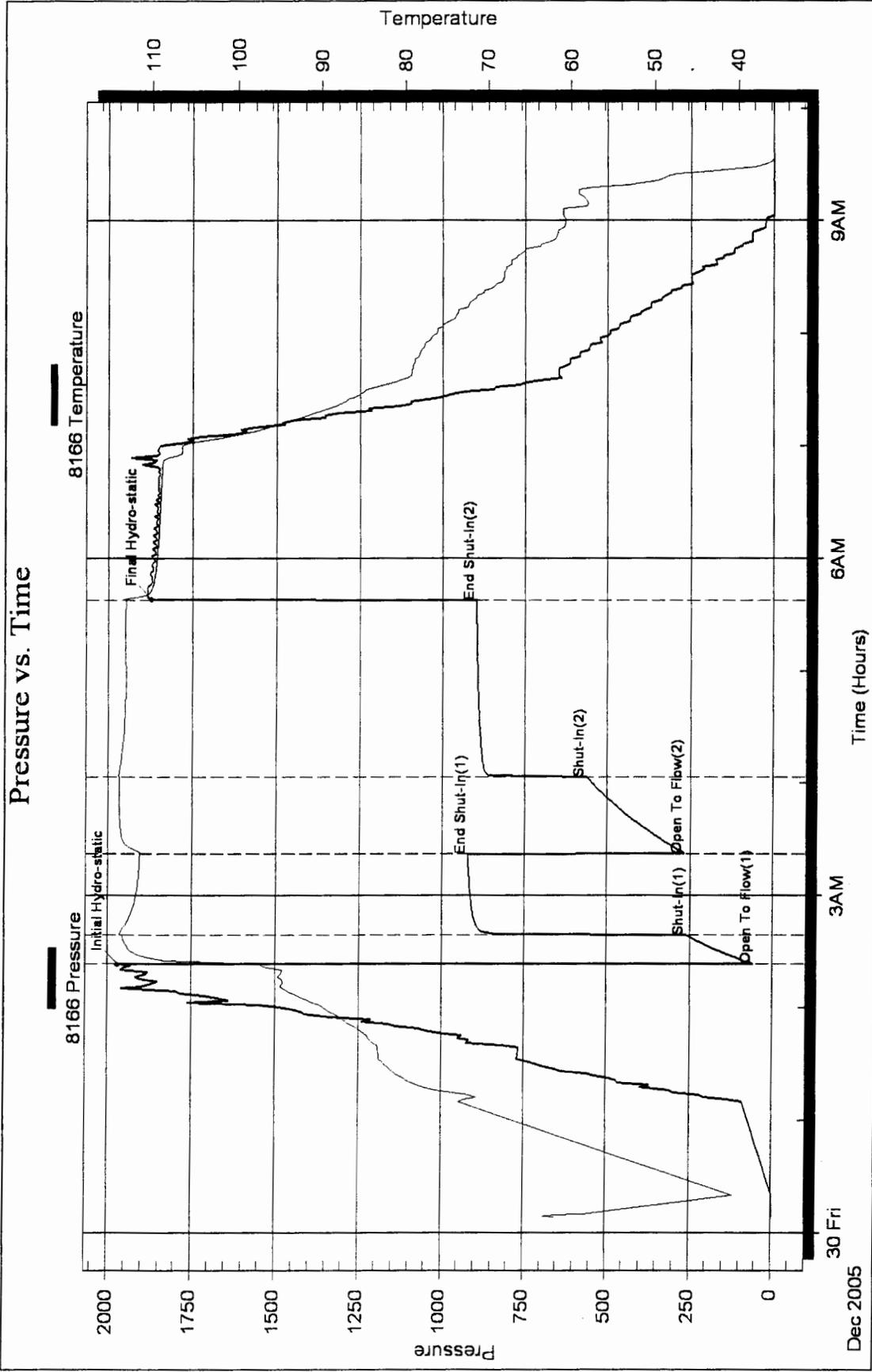
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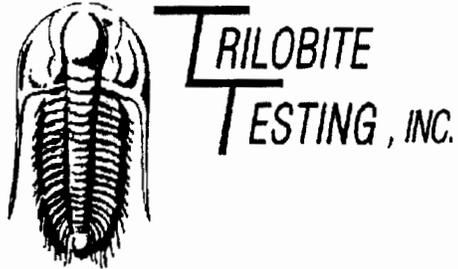
Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Thomason Petroleum Inc.**

P O Box 875  
Hays KS 67601

ATTN: Jeff Zoller

**1-10s-21w Graham**

**Desair #1**

Start Date: 2005.12.30 @ 15:13:20

End Date: 2005.12.30 @ 23:21:20

Job Ticket #: 23607          DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Thomason Petroleum Inc.

Desair #1

1-10s-21w Graham

DST # 3

ARB

2005.12.30



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Thomason Petroleum Inc.

**Desair #1**

P O Box 875  
Hays KS 67601

**1-10s-21w Graham**

Job Ticket: 23607

**DST#: 3**

ATTN: Jeff Zoller

Test Start: 2005.12.30 @ 15:13:20

## GENERAL INFORMATION:

Formation: **ARB**

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

Time Tool Opened: 17:39:05

Time Test Ended: 23:21:20

Test Type: **Conventional Bottom Hole**

Tester: **Michael**

Unit No: **22**

Interval: **3844.00 ft (KB) To 3850.00 ft (KB) (TVD)**

Total Depth: **3850.00 ft (KB) (TVD)**

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

Reference Elevations: **2261.00 ft (KB)**

**2256.00 ft (CF)**

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

**Serial #: 8166**

**Inside**

Press@RunDepth: **231.43 psig @ 3845.00 ft (KB)**

Capacity: **7000.00 psig**

Start Date: **2005.12.30**

**End Date:**

**2005.12.30**

Last Calib.: **2005.12.30**

Start Time: **15:13:21**

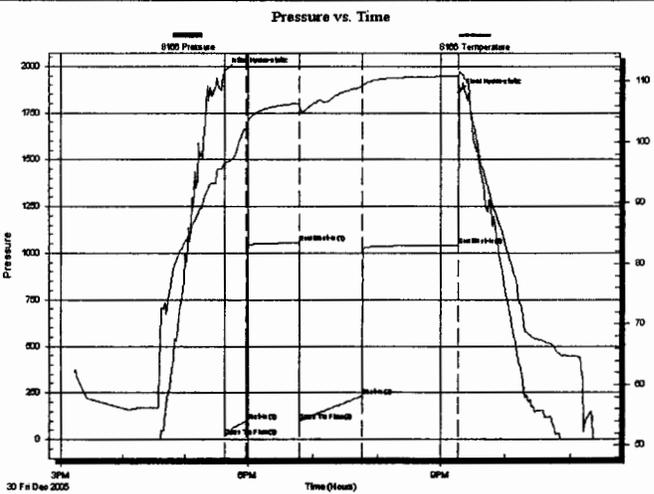
**End Time:**

**23:21:20**

Time On Btm: **2005.12.30 @ 17:38:50**

Time Off Btm: **2005.12.30 @ 21:16:35**

TEST COMMENT: **F- B of B 16m  
IS- No blow  
FF- B of B 21m  
FS- No blow**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.38	96.49	Initial Hydro-static
1	14.28	95.98	Open To Flow (1)
20	96.56	102.21	Shut-In(1)
69	1054.11	106.36	End Shut-In(1)
70	98.28	105.96	Open To Flow (2)
127	231.43	109.07	Shut-In(2)
218	1041.85	110.83	End Shut-In(2)
218	1860.27	111.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
480.00	Salt w ater	5.63
4.00	Clean oil	0.06

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Thomason Petroleum Inc.

**Desair #1**

P O Box 875  
Hays KS 67601

**1-10s-21w Graham**

Job Ticket: 23607

**DST#: 3**

ATTN: Jeff Zoller

Test Start: 2005.12.30 @ 15:13:20

### Tool Information

Drill Pipe:	Length: 3726.00 ft	Diameter: 3.80 inches	Volume: 52.27 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 52.87 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3844.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	26.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3829.00	
Hydraulic tool	5.00			3834.00	
Packer	5.00			3839.00	20.00 Bottom Of Top Packer
Packer	5.00			3844.00	
Stubb	1.00			3845.00	
Recorder	0.00	8166	Inside	3845.00	
Perforations	2.00			3847.00	
Recorder	0.00	11020	Inside	3847.00	
Bullnose	3.00			3850.00	6.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>26.00</b>				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Thomason Petroleum Inc.

Desair #1

P O Box 875  
Hays KS 67601

1-10s-21w Graham

Job Ticket: 23607

DST#: 3

ATTN: Jeff Zoller

Test Start: 2005.12.30 @ 15:13:20

### 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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.95 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
480.00	Salt w ater	5.631
4.00	Clean oil	0.056

Total Length: 484.00 ft      Total Volume: 5.687 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time

