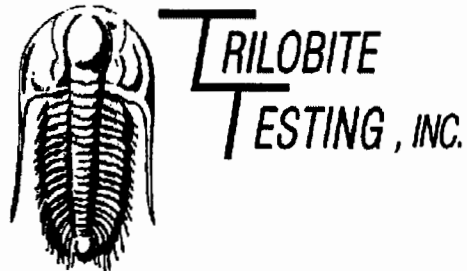


15-065-22912

23-8s-23w



DRILL STEM TEST REPORT

Prepared For: **H-T Oil, LLC**

11875 Dublin Blvd
Suite A202
Dublin, Ca.

ATTN: Mark Torr

23-8s-23w Graham KS

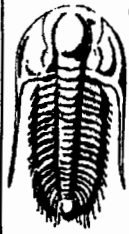
Justus H-T# 1

Start Date: 2003.05.26 @ 15:59:47

End Date: 2003.05.26 @ 23:06:32

Job Ticket #: 16970 DST #: 1

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H-T Oil, LLC
11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

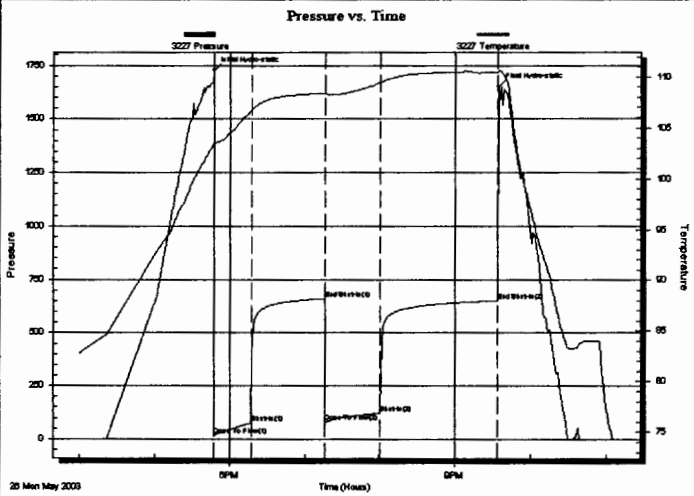
Justus H-T# 1
23-8s-23w Graham KS
Job Ticket: 16970 **DST#: 1**
Test Start: 2003.05.26 @ 15:59:47

GENERAL INFORMATION:

Formation: **L.Kc.-C**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: **17:47:17**
Time Test Ended: **23:06:32**
Interval: **3444.00 ft (KB) To 3468.00 ft (KB) (TVD)**
Total Depth: **3468.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Poor**
Test Type: **Conventional Bottom Hole**
Tester: **John Schmidt**
Unit No: **18**
Reference Elevations: **2170.00 ft (KB)**
2165.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 3227 **Inside**
Press@RunDepth: **122.47 psig @ 3447.01 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2003.05.26** End Date: **2003.05.26** Last Calib.: **2003.05.26**
Start Time: **15:59:48** End Time: **23:06:32** Time On Btm: **2003.05.26 @ 17:47:02**
Time Off Btm: **2003.05.26 @ 21:34:17**

TEST COMMENT: **F-Weak Built to 4" in** **ISI-Dead**
FF-Weak Built to 3" in **FSI-Dead**



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1726.49	103.46	Initial Hydro-static
1	15.92	103.38	Open To Flow (1)
30	76.52	106.67	Shut-In(1)
89	660.80	108.38	End Shut-In(1)
90	78.51	108.34	Open To Flow (2)
134	122.47	109.44	Shut-In(2)
227	651.33	110.49	End Shut-In(2)
228	1650.16	110.58	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	muddy salt water	1.13

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H-T Oil, LLC
11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

Justus H-T# 1
23-8s-23w Graham KS
Job Ticket: 16970 DST#: 1
Test Start: 2003.05.26 @ 15:59:47

Tool Information

Drill Pipe:	Length: 3243.00 ft	Diameter: 3.80 inches	Volume: 45.49 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 46.39 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3444.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.02 ft			
Tool Length:	46.02 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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C.O. Sub	1.00			3423.00	
S.I. Tool	5.00			3428.00	
HMV	5.00			3433.00	
Safety Joint	2.00			3435.00	
Packer	4.00			3439.00	22.00 Bottom Of Top Packer
Packer	5.00			3444.00	
Stubb	1.00			3445.00	
Perforations	2.00			3447.00	
Recorder	0.01	3227	Inside	3447.01	
Perforations	18.00			3465.01	
Recorder	0.01	13308	Outside	3465.02	
Bullnose	3.00			3468.02	24.02 Bottom Packers & Anchor

Total Tool Length: 46.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H-T Oil, LLC

Justus H-T# 1

11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

23-8s-23w Graham KS
Job Ticket: 16970 **DST#: 1**
Test Start: 2003.05.26 @ 15:59:47

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:	30000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
200.00	muddy salt water	1.129

Total Length: 200.00 ft Total Volume: 1.129 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 3227

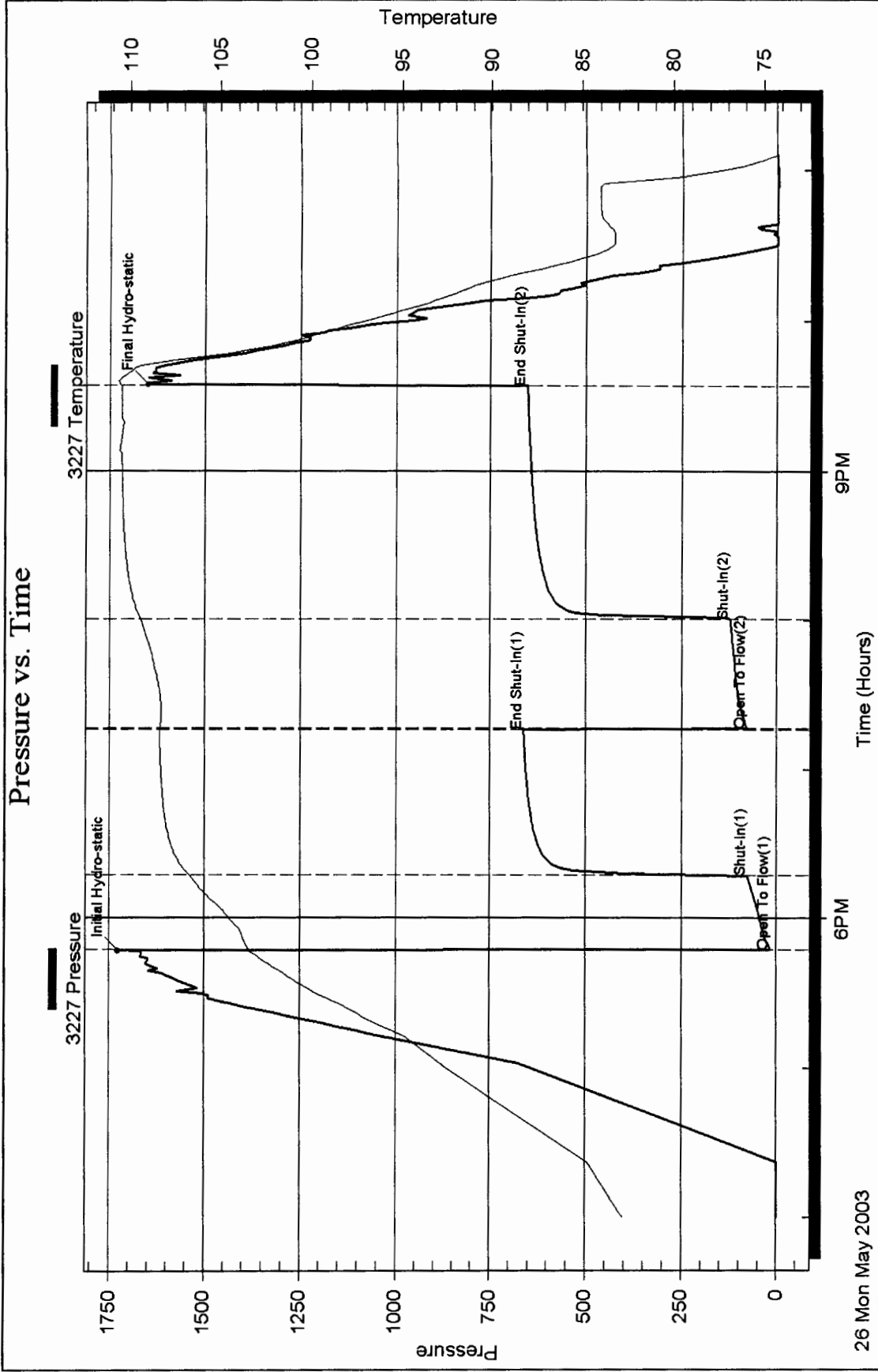
Inside

H-T Oil, LLC

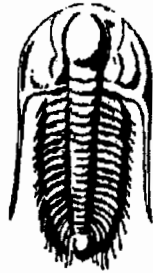
23-8s-23w Graham KS

DST Test Number: 1

Pressure vs. Time



26 Mon May 2003



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **H-T Oil, LLC**

11875 Dublin Blvd
Suite A202
Dublin, Ca.

ATTN: Mark Torr

23-8s-23w Graham KS

Justus H-T# 1

Start Date: 2003.05.27 @ 06:35:15

End Date: 2003.05.27 @ 13:22:45

Job Ticket #: 16971 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

H-T Oil, LLC

Justus H-T# 1

23-8s-23w Graham KS

DST # 2

L.K.-E

2003.05.27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

H-T Oil, LLC
 11875 Dublin Blvd
 Suite A202
 Dublin, Ca.
 ATTN: Mark Torr

Justus H-T# 1
23-8s-23w Graham KS
 Job Ticket: 16971 **DST#: 2**
 Test Start: 2003.05.27 @ 06:35:15

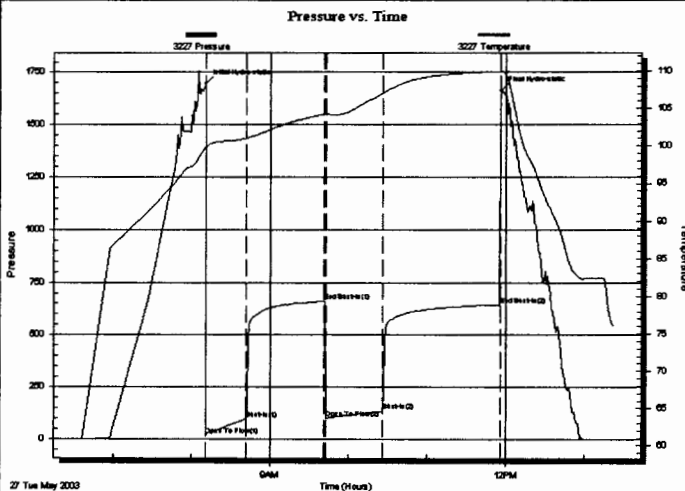
GENERAL INFORMATION:

Formation: **L.Kc.-E**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **08:11:00** Tester: **John Schmidt**
 Time Test Ended: **13:22:45** Unit No: **18**

Interval: **3484.00 ft (KB) To 3508.00 ft (KB) (TVD)** Reference Elevations: **2170.00 ft (KB)**
 Total Depth: **3508.00 ft (KB) (TVD)** **2165.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

Serial #: 3227 **Inside**
 Press@RunDepth: **134.72 psig @ 3487.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2003.05.27** End Date: **2003.05.27** Last Calib.: **2003.05.27**
 Start Time: **06:35:16** End Time: **13:22:45** Time On Btm: **2003.05.27 @ 08:10:30**
 Time Off Btm: **2003.05.27 @ 11:56:15**

TEST COMMENT: **F-Weak built to 6&1/2" in** **ISI-Dead**
FF-Weak built to 6" in **FSI-Dead**



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1695.31	99.78	Initial Hydro-static
1	18.04	99.75	Open To Flow (1)
32	97.39	101.03	Shut-In(1)
91	662.04	104.23	End Shut-In(1)
92	100.08	104.21	Open To Flow (2)
136	134.72	107.05	Shut-In(2)
225	645.06	109.91	End Shut-In(2)
226	1665.04	110.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
255.00	muddy salt water	1.90
5.00	free oil	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H-T Oil, LLC
11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

Justus H-T# 1
23-8s-23w Graham KS
Job Ticket: 16971 **DST#: 2**
Test Start: 2003.05.27 @ 06:35:15

Tool Information

Drill Pipe:	Length: 3302.00 ft	Diameter: 3.80 inches	Volume: 46.32 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	47.22 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3484.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.02 ft			
Tool Length:	46.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3463.00	
S.I. Tool	5.00			3468.00	
HMV	5.00			3473.00	
Safety Joint	2.00			3475.00	
Packer	4.00			3479.00	22.00 Bottom Of Top Packer
Packer	5.00			3484.00	
Stubb	1.00			3485.00	
Perforations	2.00			3487.00	
Recorder	0.01	3227	Inside	3487.01	
Perforations	18.00			3505.01	
Recorder	0.01	13308	Outside	3505.02	
Bullhose	3.00			3508.02	24.02 Bottom Packers & Anchor

Total Tool Length: 46.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H-T Oil, LLC

Justus H-T# 1

11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

23-8s-23w Graham KS

Job Ticket: 16971

DST#: 2

Test Start: 2003.05.27 @ 06:35:15

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:

80000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 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
255.00	muddy salt water	1.901
5.00	free oil	0.070

Total Length: 260.00 ft

Total Volume: 1.971 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3227

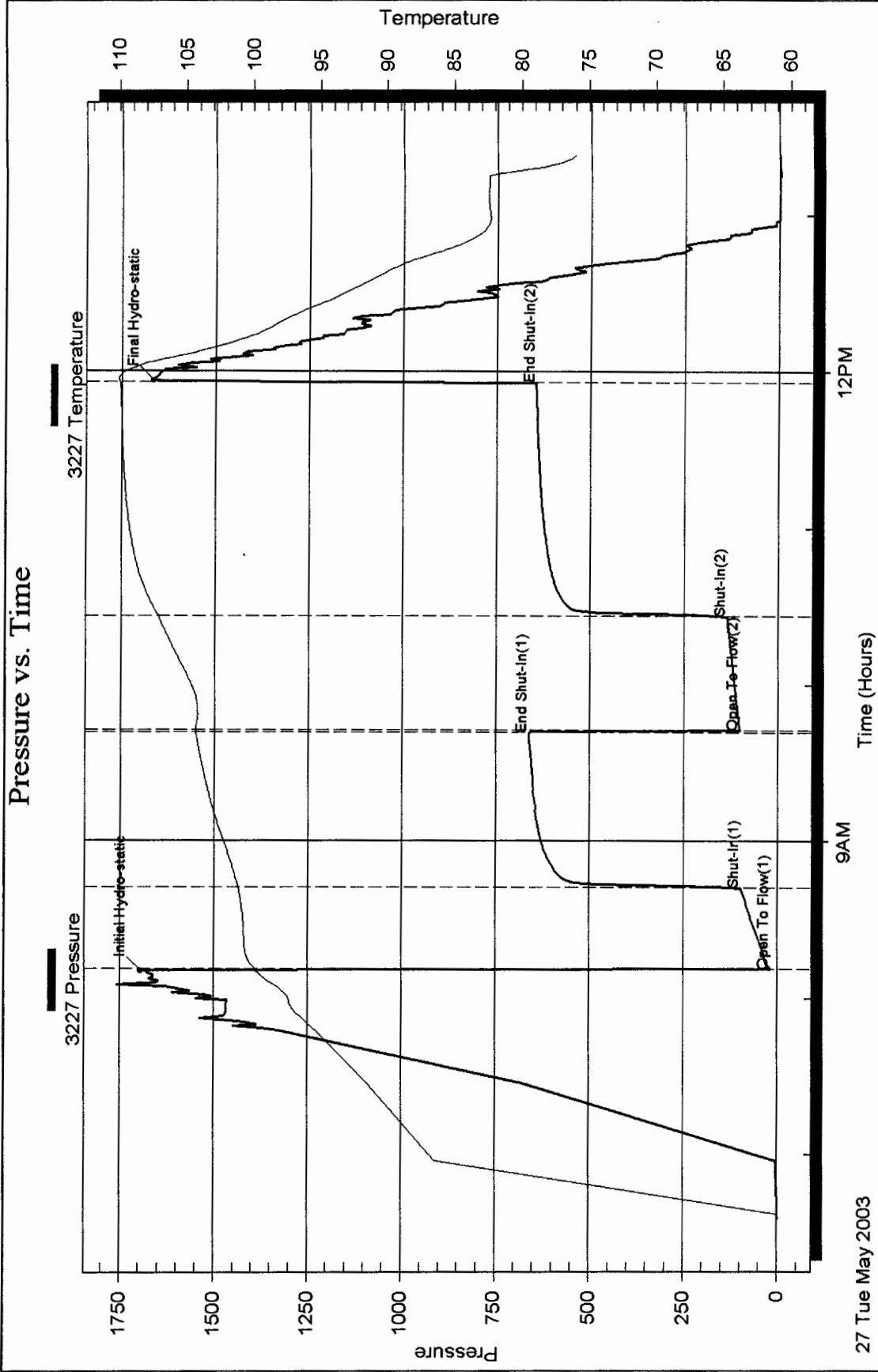
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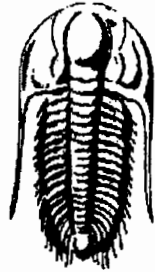
H-TOI, LLC

23-8s-23w Graham KS

DST Test Number: 2

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **H-T Oil, LLC**

11875 Dublin Blvd
Suite A202
Dublin, Ca.

ATTN: Mark Torr

23-8s-23w Graham KS

Justus H-T# 1

Start Date: 2003.05.27 @ 22:35:04

End Date: 2003.05.28 @ 03:41:04

Job Ticket #: 16972 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

H-T Oil, LLC

11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

Justus H-T# 1

23-8s-23w Graham KS

Job Ticket: 16972

DST#: 3

Test Start: 2003.05.27 @ 22:35:04

GENERAL INFORMATION:

Formation: **L.Kc.-I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:12:34

Time Test Ended: 03:41:04

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3564.00 ft (KB) To 3584.00 ft (KB) (TVD)**

Total Depth: 3584.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2170.00 ft (KB)

2165.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3227 Inside

Press@RunDepth: 15.32 psig @ 3566.01 ft (KB)

Start Date: 2003.05.27

End Date:

2003.05.28

Start Time: 22:35:05

End Time:

03:41:04

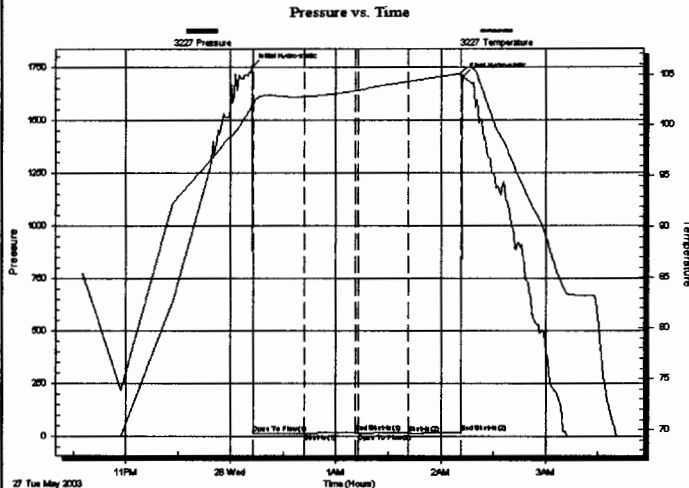
Capacity: 7000.00 psig

Last Calib.: 2003.05.28

Time On Btrr: 2003.05.28 @ 00:12:19

Time Off Btrr: 2003.05.28 @ 02:12:49

TEST COMMENT: IF-Weak Dead in 12 min IS-Dead
FF-Dead Flush tool no help FS-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1752.08	102.14	Initial Hydro-static
1	13.08	102.11	Open To Flow (1)
30	14.10	102.84	Shut-In(1)
59	17.23	103.42	End Shut-In(1)
61	14.82	103.45	Open To Flow (2)
89	15.32	104.31	Shut-In(2)
120	17.02	105.09	End Shut-In(2)
121	1707.78	105.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H-T Oil, LLC
11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

Justus H-T# 1
23-8s-23w Graham KS
Job Ticket: 16972 **DST#: 3**
Test Start: 2003.05.27 @ 22:35:04

Tool Information

Drill Pipe:	Length: 3366.00 ft	Diameter: 3.80 inches	Volume: 47.22 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 50000.00 lb
		Total Volume:	48.12 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3564.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.02 ft			
Tool Length:	42.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3543.00	
S.I. Tool	5.00			3548.00	
HMV	5.00			3553.00	
Safety Joint	2.00			3555.00	
Packer	4.00			3559.00	22.00 Bottom Of Top Packer
Packer	5.00			3564.00	
Stubb	1.00			3565.00	
Perforations	1.00			3566.00	
Recorder	0.01	3227	Inside	3566.01	
Perforations	15.00			3581.01	
Recorder	0.01	13308	Outside	3581.02	
Bullnose	3.00			3584.02	20.02 Bottom Packers & Anchor

Total Tool Length: 42.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H-T Oil, LLC
11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

Justus H-T# 1
23-8s-23w Graham KS
Job Ticket: 16972 **DST#: 3**
Test Start: 2003.05.27 @ 22:35:04

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:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.38 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 3227

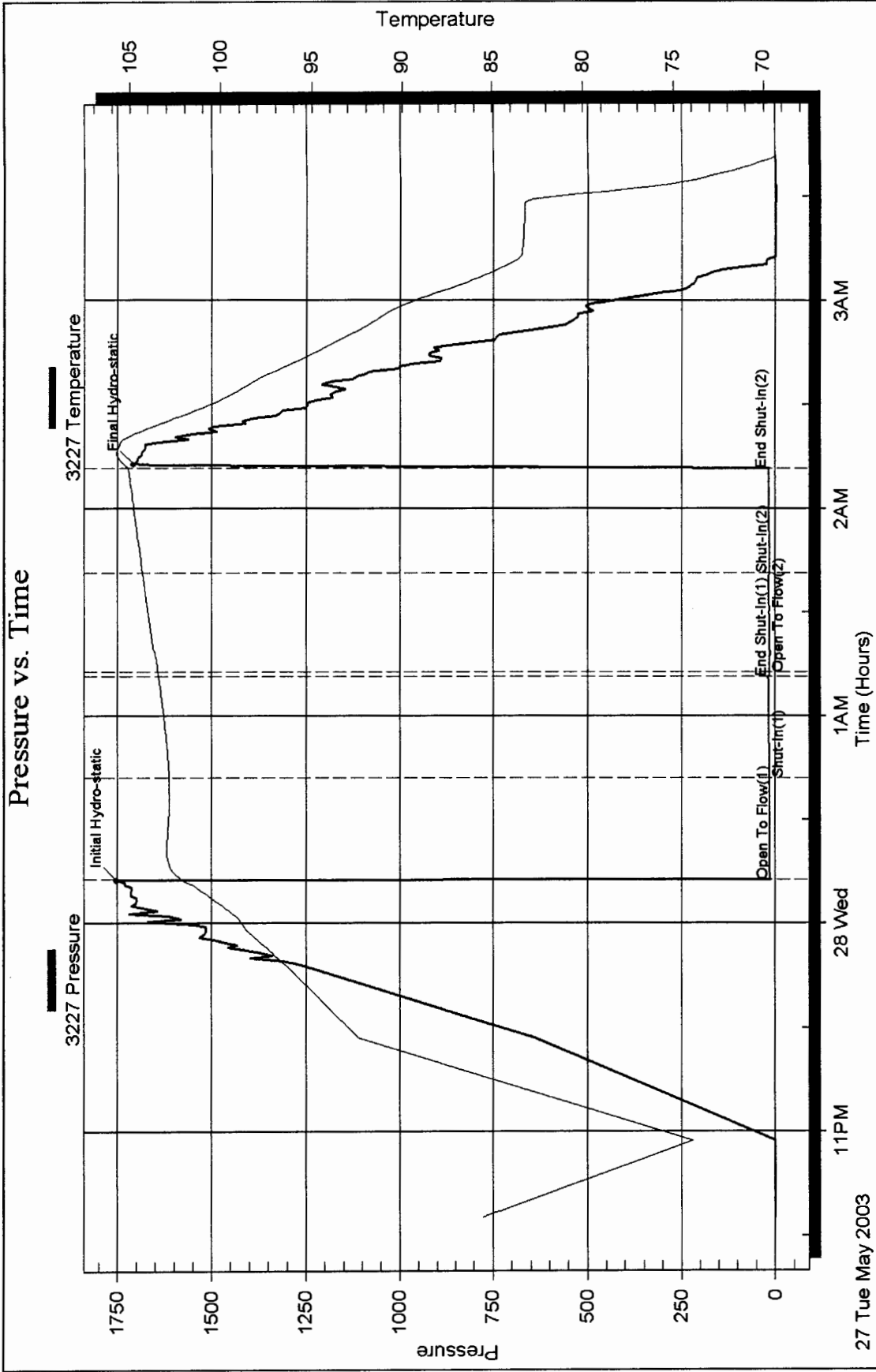
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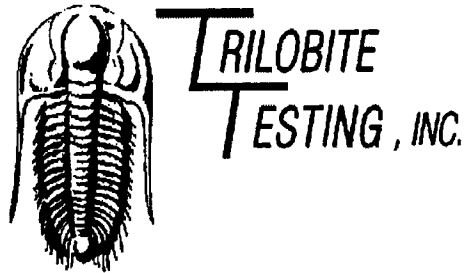
H-TOil, LLC

23-8s-23w Graham KS

DST Test Number: 3

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **H-T Oil, LLC**

11875 Dublin Blvd
Suite A202
Dublin, Ca.

ATTN: Mark Torr

23-8s-23w Graham KS

Justus H-T# 1

Start Date: 2003.05.28 @ 03:48:53

End Date: 2003.05.28 @ 08:31:08

Job Ticket #: 16973 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

H-T Oil, LLC

Justus H-T# 1

23-8s-23w Graham KS

DST # 4

L.Kc.-H&I

2003.05.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H-T Oil, LLC
11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

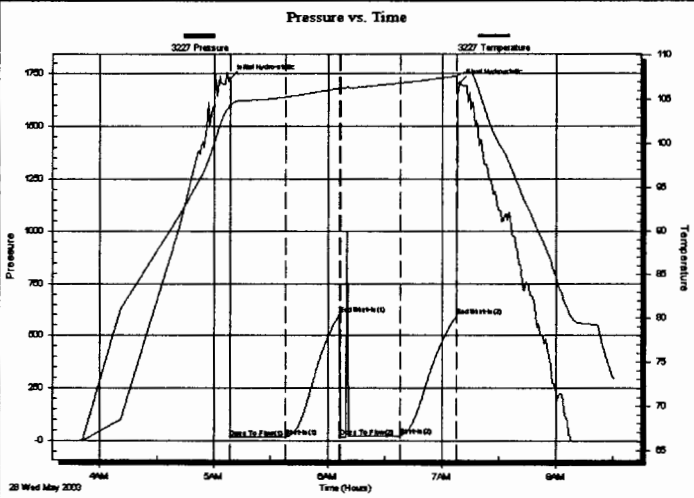
Justus H-T# 1
23-8s-23w Graham KS
Job Ticket: 16973 **DST#: 4**
Test Start: 2003.05.28 @ 03:48:53

GENERAL INFORMATION:

Formation: **L.Kc.-H&I**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: **05:08:38**
Time Test Ended: **08:31:08**
Interval: **3528.00 ft (KB) To 3584.00 ft (KB) (TVD)**
Total Depth: **3584.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **John Schmidt**
Unit No: **18**
Reference Elevations: **2170.00 ft (KB)**
2165.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 3227 **Inside**
Press@RunDepth: **22.93 psig @ 3533.01 ft (KB)**
Start Date: **2003.05.28** End Date: **2003.05.28**
Start Time: **03:48:54** End Time: **08:31:08**
Capacity: **7000.00 psig**
Last Calib.: **2003.05.28**
Time On Btrm: **2003.05.28 @ 05:08:23**
Time Off Btrm: **2003.05.28 @ 07:08:53**

TEST COMMENT: **F-Weak Dead in 15 min.** **ISI-Dead**
FF-Dead Flush tool no help **FSI-Dead**



PRESSURE SUMMARY

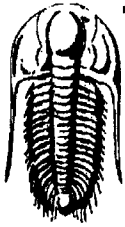
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1728.29	104.43	Initial Hydro-static
1	16.00	104.39	Open To Flow (1)
30	18.34	105.31	Shut-In(1)
58	604.34	106.31	End Shut-In(1)
59	18.58	106.28	Open To Flow (2)
90	22.93	106.89	Shut-In(2)
119	591.78	107.64	End Shut-In(2)
121	1704.72	107.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H-T Oil, LLC

Justus H-T# 1

11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

23-8s-23w Graham KS

Job Ticket: 16973

DST#: 4

Test Start: 2003.05.28 @ 03:48:53

Tool Information

Drill Pipe:	Length: 3334.00 ft	Diameter: 3.80 inches	Volume: 46.77 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 47.67 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3528.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.02 ft			
Tool Length:	78.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

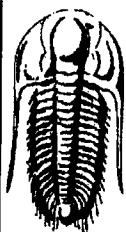
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

C.O. Sub	1.00			3507.00	
S.I. Tool	5.00			3512.00	
HMV	5.00			3517.00	
Safety Joint	2.00			3519.00	
Packer	4.00			3523.00	22.00 Bottom Of Top Packer
Packer	5.00			3528.00	
Stubb	1.00			3529.00	
Perforations	3.00			3532.00	
C.O. Sub	1.00			3533.00	
Recorder	0.01	3227	Inside	3533.01	
Blank Spacing	32.00			3565.01	
C.O. Sub	1.00			3566.01	
Perforations	15.00			3581.01	
Recorder	0.01	13308	Outside	3581.02	
Bullnose	3.00			3584.02	56.02 Bottom Packers & Anchor

Total Tool Length: 78.02



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

H-T Oil, LLC

Justus H-T# 1

11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

23-8s-23w Graham KS
Job Ticket: 16973 **DST#: 4**
Test Start: 2003.05.28 @ 03:48:53

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: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling mud	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

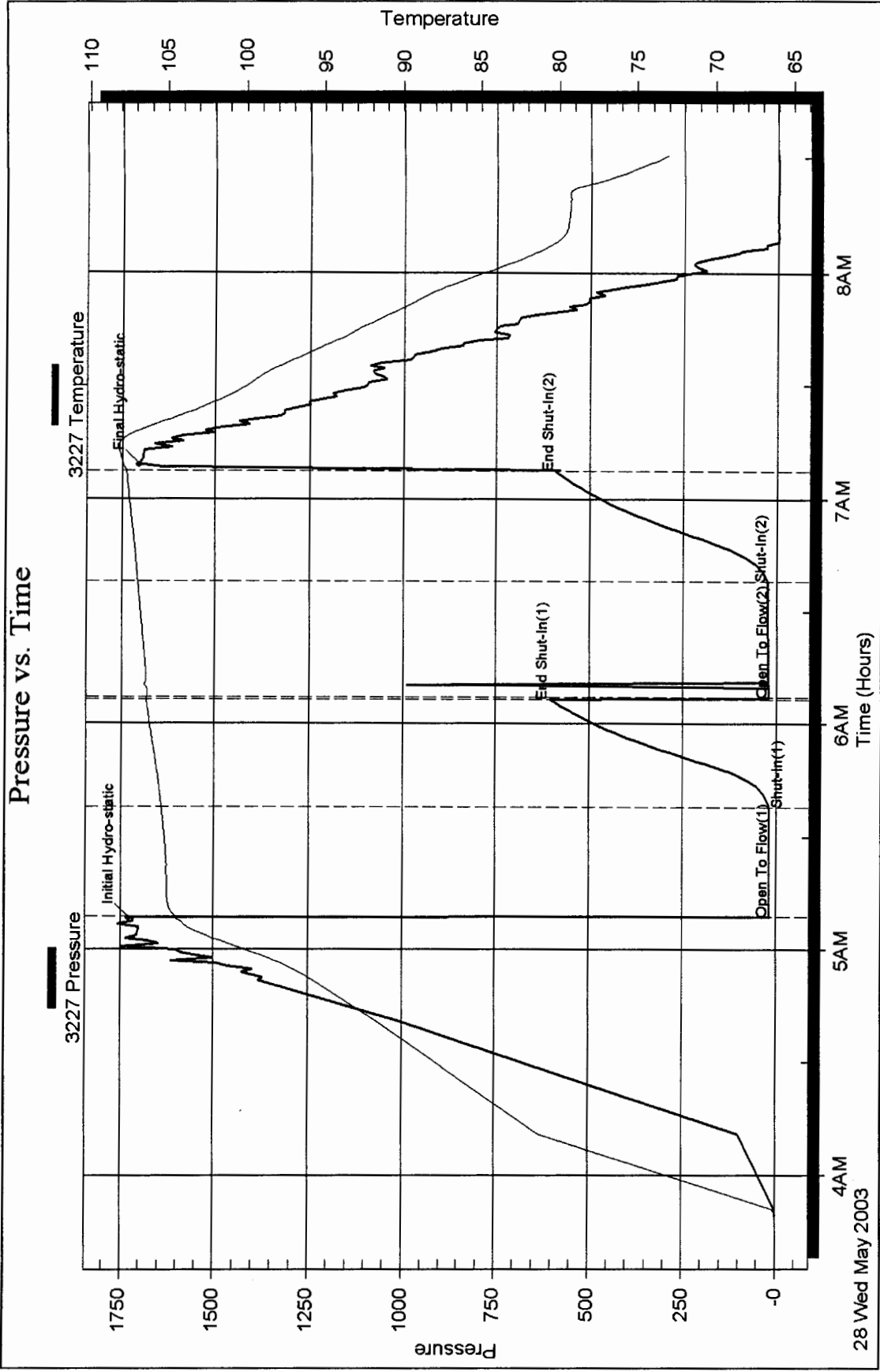
Serial #: 3227

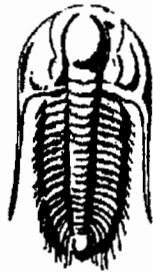
Inside

H-T Oil, LLC

23-8s-23w Graham KS

DST Test Number: 4





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **H-T Oil, LLC**

11875 Dublin Blvd
Suite A202
Dublin, Ca.

ATTN: Mark Torr

23-8s-23w Graham KS

Justus H-T# 1

Start Date: 2003.05.28 @ 13:36:14

End Date: 2003.05.28 @ 20:46:29

Job Ticket #: 16974 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

H-T Oil, LLC

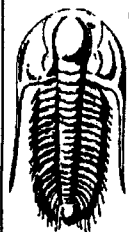
Justus H-T# 1

23-8s-23w Graham KS

DST # 5

L.K.C.-J

2003.05.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H-T Oil, LLC
11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

Justus H-T# 1

23-8s-23w Graham KS

Job Ticket: 16974

DST#: 5

Test Start: 2003.05.28 @ 13:36:14

GENERAL INFORMATION:

Formation: **L.Kc.- J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:06:14

Time Test Ended: 20:46:29

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3580.00 ft (KB) To 3602.00 ft (KB) (TVD)**

Total Depth: 3602.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2170.00 ft (KB)

2165.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 3227 Inside

Press@RunDepth: 116.74 psig @ 3584.01 ft (KB)

Start Date: 2003.05.28

End Date: 2003.05.28

Start Time: 13:36:15

End Time: 20:46:29

Capacity: 7000.00 psig

Last Calib.: 2003.05.28

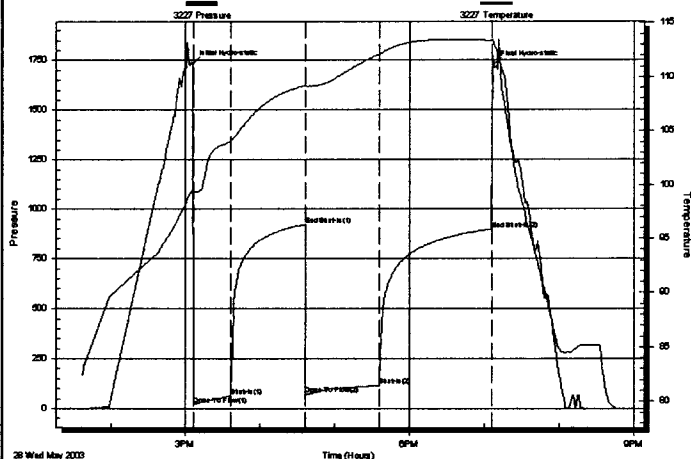
Time On Btm: 2003.05.28 @ 15:05:44

Time Off Btm: 2003.05.28 @ 19:07:14

TEST COMMENT: F-Weak Built to 3" in
FF-Weak Built to 4" in

ISI-Dead
FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1735.16	99.45	Initial Hydro-static
1	17.72	99.36	Open To Flow (1)
31	65.07	104.12	Shut-In(1)
91	922.05	109.19	End Shut-In(1)
91	69.99	109.15	Open To Flow (2)
150	116.74	112.10	Shut-In(2)
240	897.78	113.39	End Shut-In(2)
242	1726.11	113.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
218.00	muddy salt water	1.38
2.00	free oil	0.03

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H-T Oil, LLC
11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

Justus H-T# 1
23-8s-23w Graham KS
Job Ticket: 16974 **DST#: 5**
Test Start: 2003.05.28 @ 13:36:14

Tool Information

Drill Pipe:	Length: 3397.00 ft	Diameter: 3.80 inches	Volume: 47.65 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume:	48.55 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3580.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.02 ft			
Tool Length:	44.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3559.00	
S.I. Tool	5.00			3564.00	
HMV	5.00			3569.00	
Safety Joint	2.00			3571.00	
Packer	4.00			3575.00	22.00 Bottom Of Top Packer
Packer	5.00			3580.00	
Stubb	1.00			3581.00	
Perforations	3.00			3584.00	
Recorder	0.01	3227	Inside	3584.01	
Perforations	15.00			3599.01	
Recorder	0.01	13308	Outside	3599.02	
Bullnose	3.00			3602.02	22.02 Bottom Packers & Anchor

Total Tool Length: 44.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H-T Oil, LLC

Justus H-T# 1

11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

23-8s-23w Graham KS
Job Ticket: 16974 **DST#: 5**
Test Start: 2003.05.28 @ 13:36:14

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:	80000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
218.00	muddy salt water	1.382
2.00	free oil	0.028

Total Length: 220.00 ft Total Volume: 1.410 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

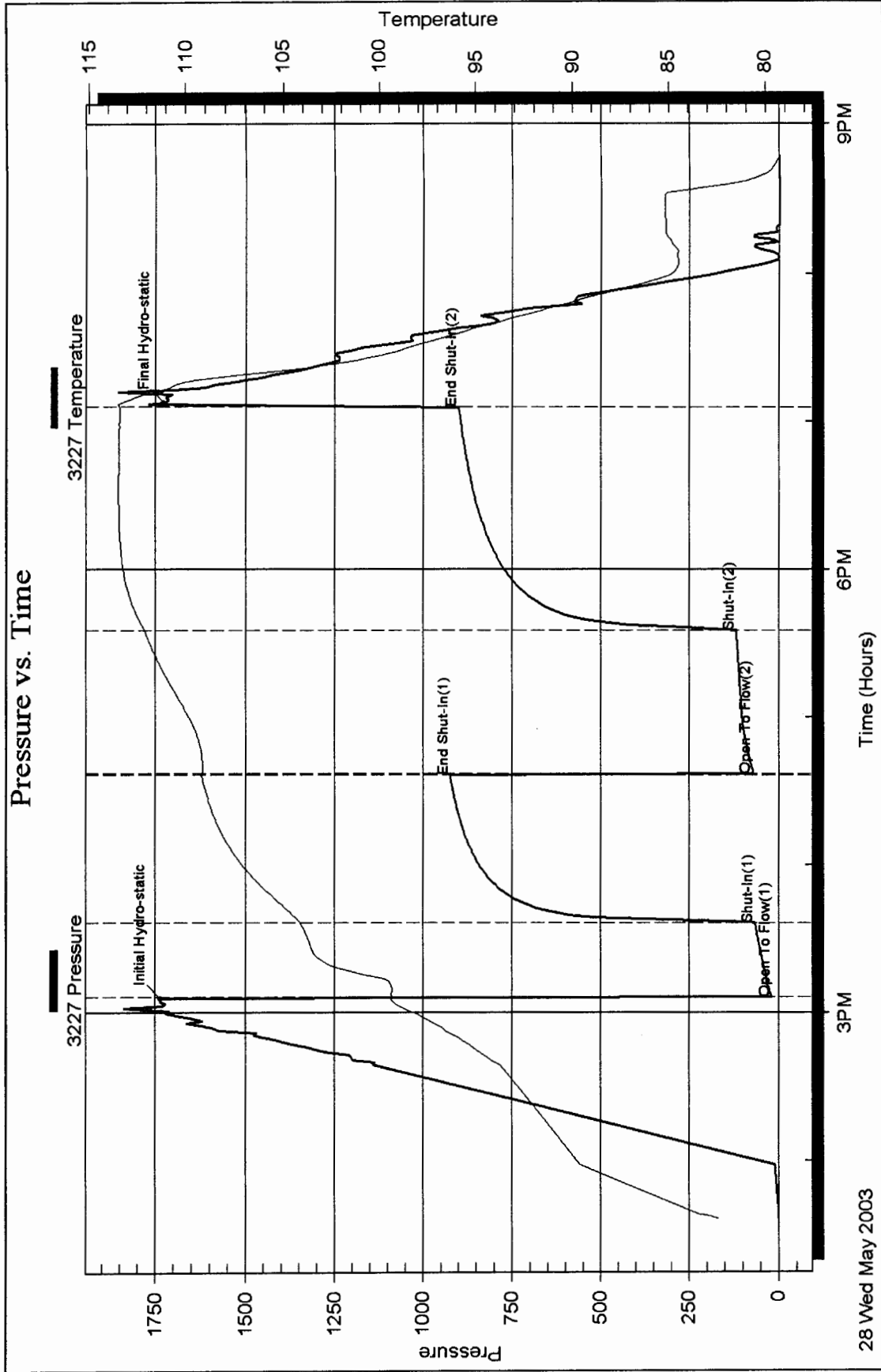
Serial #: 3227

Inside

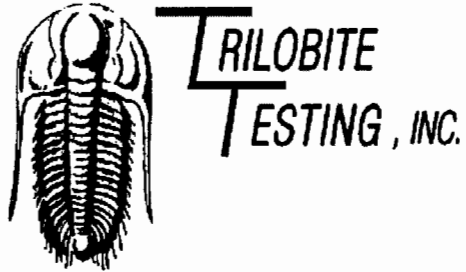
H-T Oil, LLC

23-8s-23w Graham KS

DST Test Number: 5



28 Wed May 2003



DRILL STEM TEST REPORT

Prepared For: **H-T Oil, LLC**

11875 Dublin Blvd
Suite A202
Dublin, Ca.

ATTN: Mark Torr

23-8s-23w Graham KS

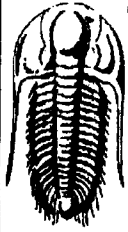
Justus H-T# 1

Start Date: 2003.05.29 @ 01:55:15

End Date: 2003.05.29 @ 06:53:30

Job Ticket #: 16975 DST #: 6

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H-T Oil, LLC

11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

Justus H-T# 1

23-8s-23w Graham KS

Job Ticket: 16975

DST#: 6

Test Start: 2003.05.29 @ 01:55:15

GENERAL INFORMATION:

Formation: **L.Kc,-K**

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

Time Tool Opened: 03:33:15

Time Test Ended: 06:53:30

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3596.00 ft (KB) To 3622.00 ft (KB) (TVD)**

Total Depth: **3622.00 ft (KB) (TVD)**

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

Reference Elevations: **2170.00 ft (KB)**

2165.00 ft (CF)

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

Serial #: 3227

Inside

Press@RunDepth: **30.54 psig @ 3600.01 ft (KB)**

Start Date: **2003.05.29**

End Date:

2003.05.29

Start Time: **01:55:16**

End Time:

06:53:30

Capacity: **7000.00 psig**

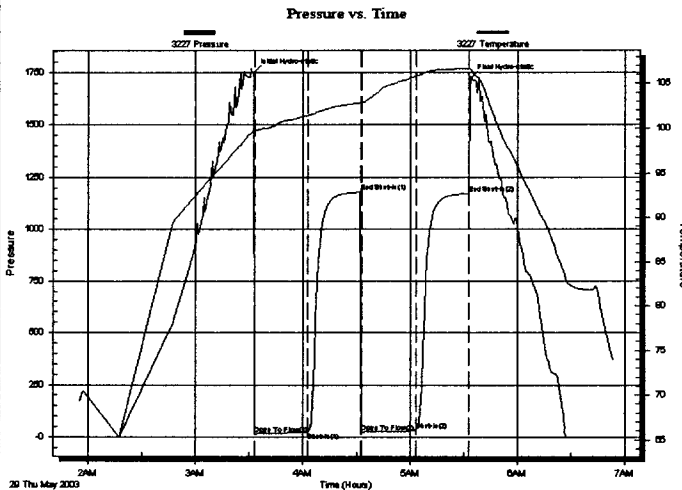
Last Calib.: **2003.05.29**

Time On Btrn: **2003.05.29 @ 03:32:45**

Time Off Btrn: **2003.05.29 @ 05:34:00**

TEST COMMENT: **F-Weak Surface blow**
FF-Dead

ISI-Dead
FSI-Dead



PRESSURE SUMMARY

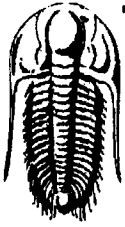
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.08	99.72	Initial Hydro-static
1	15.06	99.68	Open To Flow (1)
30	23.69	101.44	Shut-In(1)
60	1179.82	102.87	End Shut-In(1)
60	24.45	102.80	Open To Flow (2)
91	30.54	105.82	Shut-In(2)
120	1172.03	106.63	End Shut-In(2)
122	1722.66	106.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H-T Oil, LLC

Justus H-T# 1

11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

23-8s-23w Graham KS

Job Ticket: 16975

DST#: 6

Test Start: 2003.05.29 @ 01:55:15

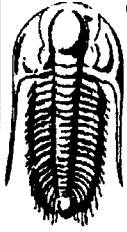
Tool Information

Drill Pipe:	Length: 3398.00 ft	Diameter: 3.80 inches	Volume: 47.67 bbl	Tool Weight: 2300.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 184.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 55000.00 lb
		Total Volume:	48.57 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3596.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.02 ft			
Tool Length:	48.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3575.00	
S.I. Tool	5.00			3580.00	
HMV	5.00			3585.00	
Safety Joint	2.00			3587.00	
Packer	4.00			3591.00	22.00 Bottom Of Top Packer
Packer	5.00			3596.00	
Stubb	1.00			3597.00	
Perforations	3.00			3600.00	
Recorder	0.01	3227	Inside	3600.01	
Perforations	19.00			3619.01	
Recorder	0.01	13308	Outside	3619.02	
Bulhose	3.00			3622.02	26.02 Bottom Packers & Anchor

Total Tool Length: 48.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H-T Oil, LLC

Justus H-T# 1

11875 Dublin Blvd
Suite A202
Dublin, Ca.
ATTN: Mark Torr

23-8s-23w Graham KS

Job Ticket: 16975

DST#: 6

Test Start: 2003.05.29 @ 01:55:15

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: 7.97 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
10.00	Drilling 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:

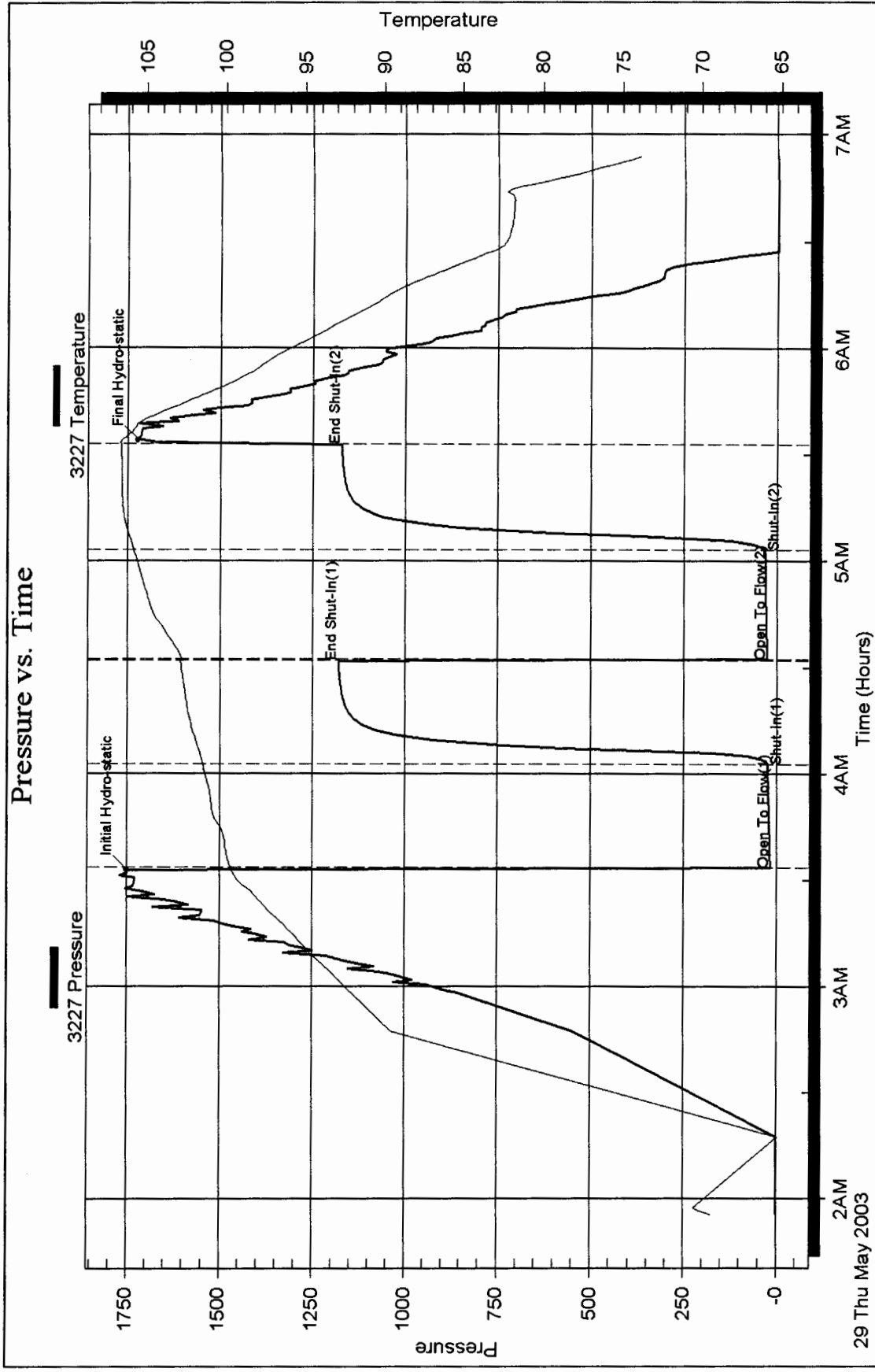
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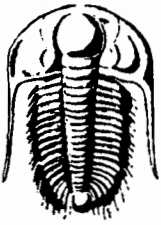
Inside

H-T Oil, LLC

23-8s-23w Graham KS

DST Test Number: 6





TRILOBITE TESTING INC.

INV #590

P.O. Box 362 • Hays, Kansas 67601

No 16970

12/02

Test Ticket

Well Name & No. JUSTUS # H-T #1 Test No. #1 Date 5-26-03
 Company H-T OIL, LLC Zone Tested L.K.C. - C
 Address 11875 DUBLIN BLVD, SUITE A202 DUBLIN CA, Elevation 2170 KB 2165 GL
 Co. Rep / Geo. DUSTY RHOADES Cont. MURFIN #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 23 Twp. 8S Rge. 23W Co. GRAHAM State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3444 To 3468 Initial Str Wt./Lbs. 46,000 Unseated Str Wt/Lbs. 46,000
 Anchor Length 24' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 3439 Tool Weight 2500
 Bottom Packer Depth 3444 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3468 Wt. Pipe Run 0 Drill Collar Run 184
 Mud Wt. 9.2 LCM 1" Vis. 46 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 3243
 Blow Description IF - WEAK BUILT TO 4" IN - ISI - DEAD
FF - WEAK BUILT TO 3" IN - FSI - DEAD

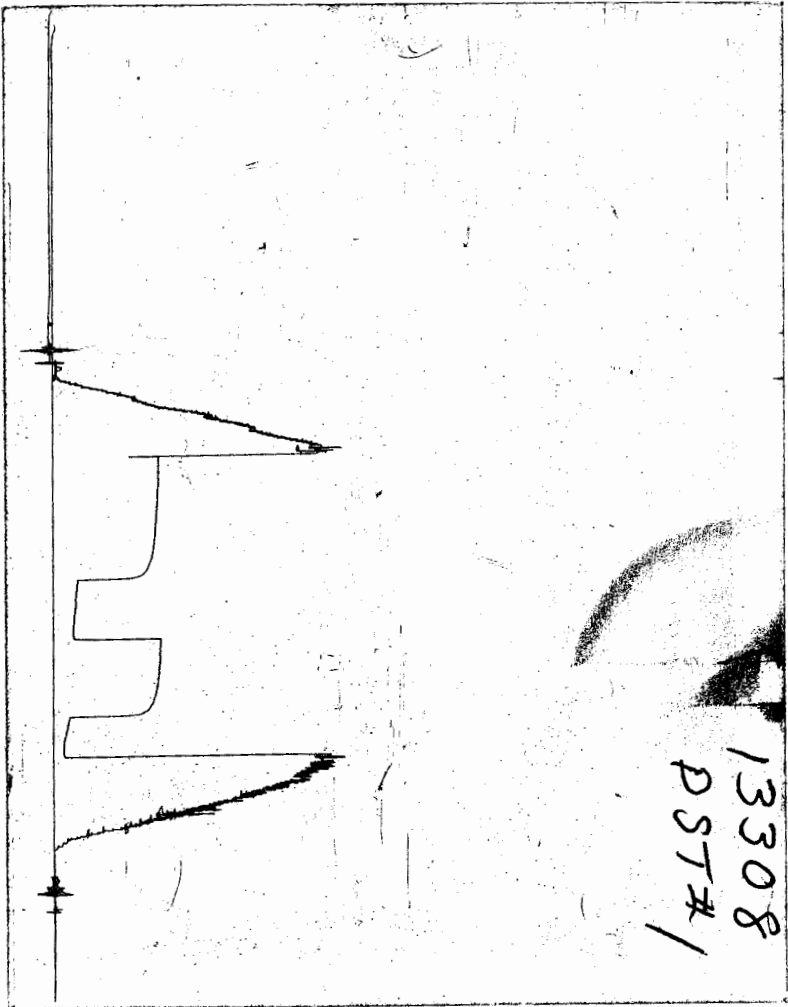
Recovery - Total Feet 200' GIP — Ft. in DC 184 Ft. in DP 16'
 Rec. 200 Feet of MUDDY SALT WATER
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 BHT 110 °F Gravity — °API D @ — °F Corrected Gravity — °API
 RW 24 @ 68 °F Chlorides 39,000 ppm Recovery — Chlorides 1800 ppm System

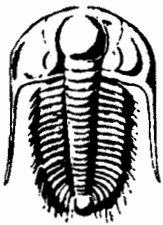
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1726	PSI	3227	B, HOLE 700
(B) First Initial Flow Pressure	15	PSI	(depth) 3447	Elec. Rec. <input checked="" type="checkbox"/> 150
(C) First Final Flow Pressure	76	PSI	Recorder No. 13308	Jars _____
(D) Initial Shut-In Pressure	660	PSI	(depth) 3465	Safety Jt. <input checked="" type="checkbox"/> 50
(E) Second Initial Flow Pressure	78	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	122	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	651	PSI	Initial Opening 30	Straddle _____
(Q) Final Hydrostatic Mud	1650	PSI	Initial Shut-In 60	Ext. Packer _____
			Final Flow 45	Shale Packer _____
			Final Shut-In 90	Mileage 60 <u>60</u>
			T-On Location 14:30	Sub Total: <u>960</u>
			T-Started 16:00	Std. By <u>1/2 hr</u> <u>15</u>
			T-Open 17:47	Other _____
			T-Pulled 21:34	Total: <u>975</u>
			T-Out 23:06	<u>975</u>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Dusty Rhoades
 Our Representative John F. Schmidt

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16971

12/02

Test Ticket

Well Name & No. JUSTUS H-T*1 Test No. *2 Date 5-27-03
 Company H-T OIL, LLC. Zone Tested L. KG. - E
 Address _____ Elevation 2170 KB 2165 GL
 Co. Rep / Geo. DUSTY RHOADES Cont. MURFIN *8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 23 Twp. 8S Rge. 23W Co. GRAHAM State _____
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3484 TO 3508 Initial Str Wt./Lbs. 46,000 Unseated Str Wt/Lbs. 46,000
 Anchor Length 24' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3479 Tool Weight 2500
 Bottom Packer Depth 3484 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3508 Wt. Pipe Run 0 Drill Collar Run 184'
 Mud Wt. 9.2 LCM 1" Vis. 46 WL 8.0 Drill Pipe Size 4 1/2 XH Ft. Run 3302
 Blow Description IF-WEAK BUILT TO 6 1/2" IN ISI-DEAD
FF-WEAK BUILT TO 6" IN FSI-DEAD

Recovery - Total Feet 260 GIP — Ft. in DC 184 Ft. in DP 76
 Rec. 255' Feet of MUDDY SALT WATER
 Rec. 5' Feet of FREE OIL
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 BHT 109 °F Gravity — °API D @ — °F Corrected Gravity — °API
 RW 108 @ 85 °F Chlorides 80,000 ppm Recovery _____ Chlorides 1800 ppm System

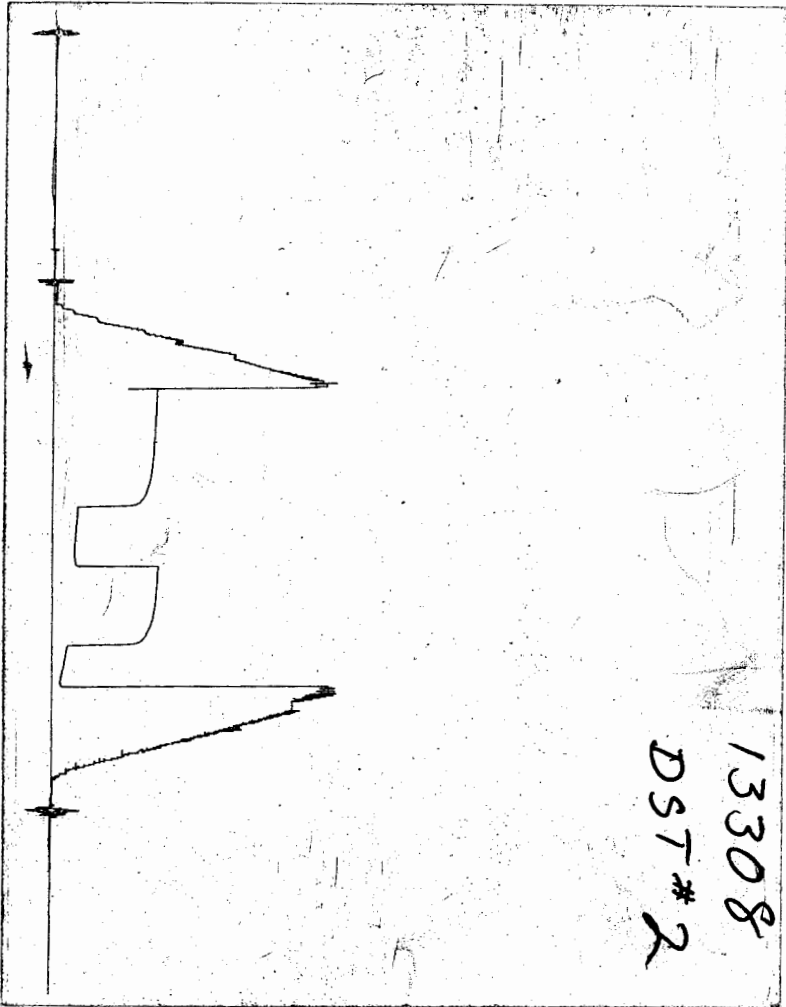
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1695</u> PSI	<u>3227</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure		<u>18</u> PSI	(depth) <u>3487</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure		<u>97</u> PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure		<u>662</u> PSI	(depth) <u>3505</u>	Safety Jt. <input checked="" type="checkbox"/>
(E) Second Initial Flow Pressure		<u>100</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>134</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>645</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1665</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____

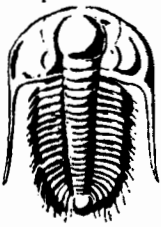
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR THE DAMAGE OF ANY KIND OF THE PROPERTY OR FOR THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow	<u>45</u>	Shale Packer	_____
Final Shut-In	<u>90</u>	Mileage	<u>60</u>
T-On Location	<u>06:15</u>	Sub Total:	<u>960</u>
T-Started	<u>06:35</u>	Std. By	<u>[Signature]</u>
T-Open	<u>08:10</u>	Other	_____
T-Pulled	<u>11:56</u>	Total:	_____
T-Out	<u>13:22</u>		

Approved By Dusty Rhoades
 Our Representative [Signature]

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16972

12/02

Test Ticket

Well Name & No. JUSTUS H-T #1 Test No. #3 Date 5-27-03
 Company H-T OIL, LLC Zone Tested L, KC- I
 Address _____ Elevation 2170 KB 2165 GL
 Co. Rep / Geo. DUSTY RHOADES Cont. MURFIN #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 23 Twp. 8^s Rge. 23^w Co. GRAHAM State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3564 TO 3584 Initial Str Wt./Lbs. 46,000 Unseated Str Wt./Lbs. 46,000
 Anchor Length 20' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 3559 Tool Weight 2,200
 Bottom Packer Depth 3564 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3584 Wt. Pipe Run 0 Drill Collar Run 184'
 Mud Wt. 9.0 LCM 1[#] Vis. 51 WL 8.4 Drill Pipe Size 4 1/2 XH Ft. Run 3366'
 Blow Description IF - WEAK DEAD IN 12 MIN. FSI - DEAD
FF - DEAD FLUSH TOOL NO HELP FSI - DEAD

Recovery - Total Feet 5 GIP _____ Ft. in DC 5 Ft. in DP 0
 Rec. 5 Feet of DRILLING MUD
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 BHT 105 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 4 @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2,000 ppm System

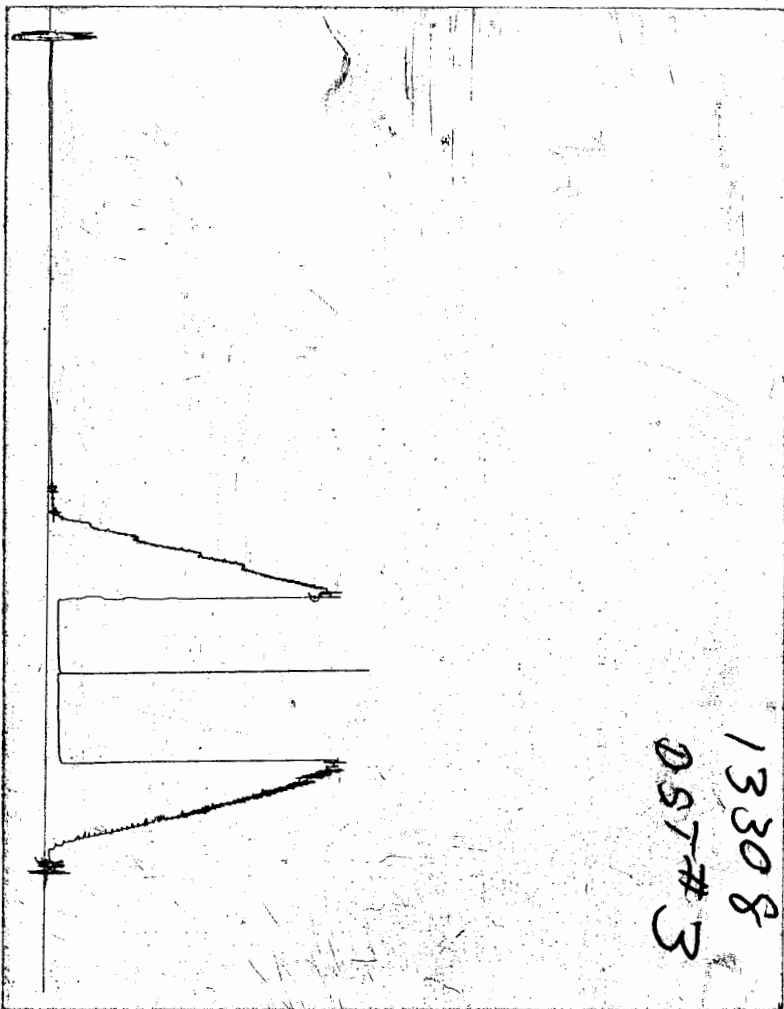
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1752</u> PSI	<u>3227</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure		<u>13</u> PSI	(depth) <u>3566</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure		<u>14</u> PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure		<u>17</u> PSI	(depth) <u>3581</u>	Safety Jt. <input checked="" type="checkbox"/>
(E) Second Initial Flow Pressure		<u>14</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>15</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>17</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1707</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>60</u>
			T-On Location <u>22:15</u>	Sub Total: <u>960</u>
			T-Started <u>22:35</u>	Std. By <u>_____</u>
			T-Open <u>00:12</u>	Other _____
			T-Pulled <u>02:12</u>	Total: _____
			T-Out <u>03:41</u>	

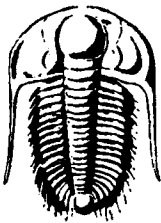
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Approved By Dusty Rhoades
 Our Representative John J. Schmidt

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16973

12/02

Test Ticket

Well Name & No. JUSTUS H-T #1 Test No. #4 Date 5-28-03
 Company H-T OIL, LLC, Zone Tested L. KC. - H & I
 Address _____ Elevation 2170 KB 2165 GL
 Co. Rep / Geo. DUSTY RHOADES Cont. MURFIN Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 23 Twp. 8S Rge. 23W Co. GRAHAM State KS
 No. of Copies _____ Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3528 TO 3584 Initial Str Wt./Lbs. 46,000 Unseated Str Wt/Lbs. 46,000
 Anchor Length 56 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 3523 Tool Weight 2,800
 Bottom Packer Depth 3528 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3584 Wt. Pipe Run 0 Drill Collar Run 184'
 Mud Wt. 9.0 LCM 1" Vis. 51 WL 8.4 Drill Pipe Size 4 1/2 XH Ft. Run 3334
 Blow Description IF - WEAK DEAD IN 15-MIN. FSI - DEAD
FF - DEAD FLUSH TOOL NO HELP FSI - DEAD

Recovery - Total Feet 5' GIP - Ft. in DC 5' Ft. in DP 0
 Rec. 5' Feet of DRILLING MUD
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 BHT 107 °F Gravity - °API D @ - °F Corrected Gravity - °API
 RW - @ - °F Chlorides - ppm Recovery - Chlorides 2,000 ppm System

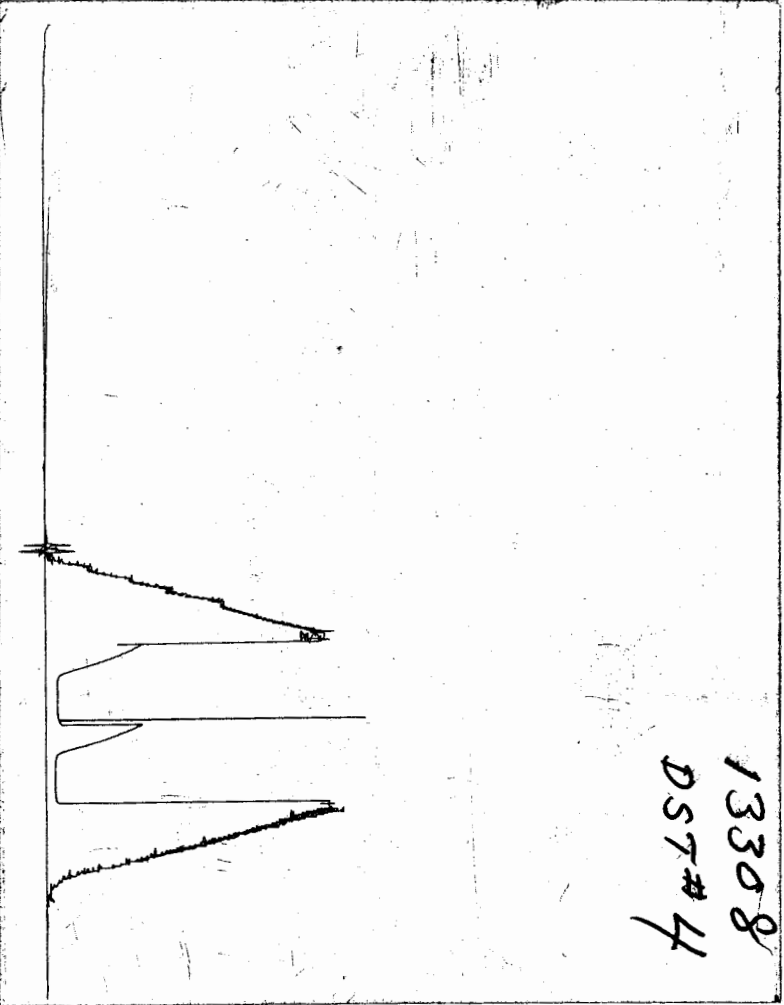
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1728</u> PSI	<u>3227</u>	<u>B, HOLE</u>
(B) First Initial Flow Pressure		<u>16</u> PSI	(depth) <u>3533</u>	Elec. Rec. <u>L</u>
(C) First Final Flow Pressure		<u>18</u> PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure		<u>604</u> PSI	(depth) <u>3581</u>	Safety Jt. <u>L</u>
(E) Second Initial Flow Pressure		<u>18</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>22</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>591</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1704</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer _____
			Final Shut-In <u>30</u>	Mileage <u>0</u>
			T-On Location <u>03:30</u>	Sub Total: <u>960</u>
			T-Started <u>03:48</u>	Std. By <u>[Signature]</u>
			T-Open <u>05:08</u>	Other _____
			T-Pulled <u>07:08</u>	Total: _____
			T-Out <u>08:31</u>	

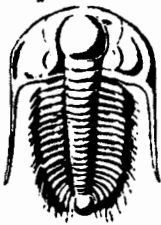
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Approved By Dusty Rhoads
 Our Representative [Signature]

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16974

12/02

Test Ticket

Well Name & No. JUSTUS H-T #1 Test No. #5 Date 5-28-03
 Company H-T OIL, LLC Zone Tested LKC-5
 Address _____ Elevation 2170 KB 2165 GL
 Co. Rep / Geo. DUSTY RHOADES Cont. MURFIN #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 23 Twp. 8S Rge. 23W Co. GRAHAM State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3580 To 3602 Initial Str Wt./Lbs. 46,000 Unseated Str Wt/Lbs. 46,000
 Anchor Length 22' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3575 Tool Weight 2200
 Bottom Packer Depth 3580 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3602 Wt. Pipe Run 0 Drill Collar Run 184
 Mud Wt. 9.2 LCM 1# Vis. 45 WL 8.4 Drill Pipe Size 4 1/2 XH Ft. Run 3397
 Blow Description FF-WEAK BUILT TO 3" IN FSI-DEAD
FF-WEAK BUILT TO 4" IN FSI-DEAD

Recovery - Total Feet 220 GIP - Ft. in DC 184 Ft. in DP 36
 Rec. 218' Feet of MUDDY SALT WATER
 Rec. 2' Feet of FREE OIL
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 BHT 113 °F Gravity - °API D @ - °F Corrected Gravity - °API
 RW .08 @ 85 °F Chlorides 80,000 ppm Recovery - Chlorides 2,000 ppm System

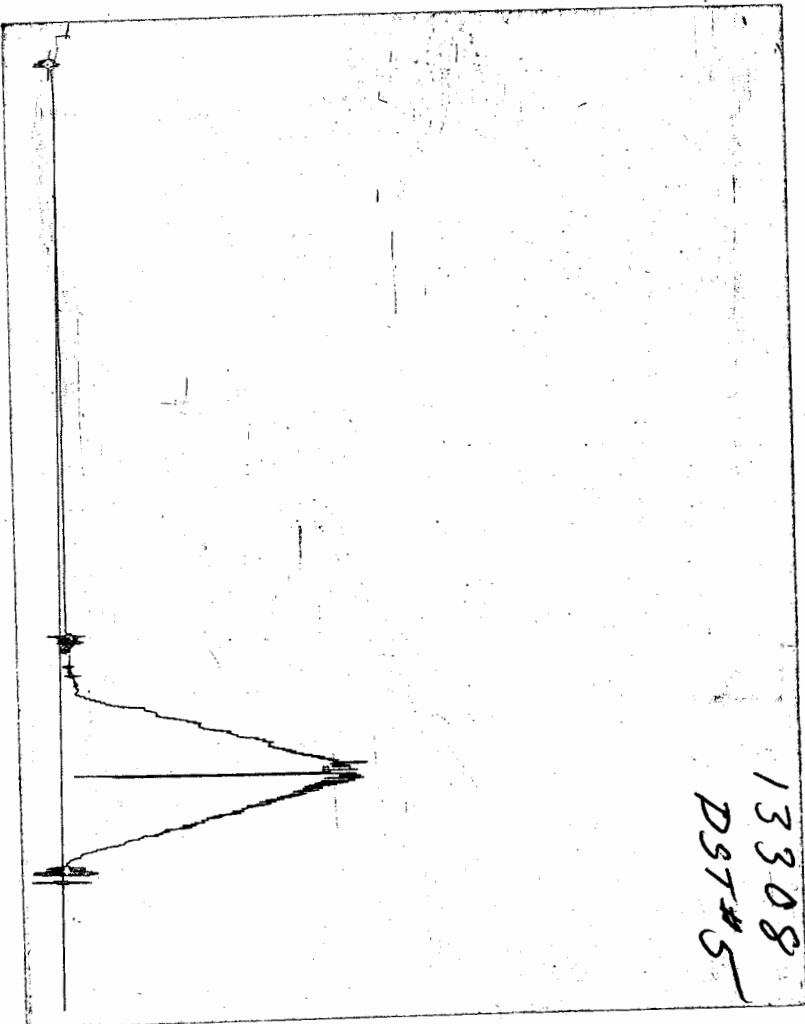
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1735</u> PSI	<u>3227</u>	<u>B. HOLE</u>
(B) First Initial Flow Pressure		<u>17</u> PSI	(depth) <u>3584</u>	Elec. Rec. <input checked="" type="checkbox"/>
(C) First Final Flow Pressure		<u>65</u> PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure		<u>922</u> PSI	(depth) <u>3599</u>	Safety Jt. <input checked="" type="checkbox"/>
(E) Second Initial Flow Pressure		<u>69</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>116</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>897</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1726</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
			Final Flow <u>60</u>	Shale Packer _____
			Final Shut-In <u>90</u>	Mileage <u>60</u>
			T-On Location <u>13:15</u>	Sub Total: <u>960</u>
			T-Started <u>13:36</u>	Std. By <u>[Signature]</u>
			T-Open <u>15:05</u>	Other _____
			T-Pulled <u>19:07</u>	Total: _____
			T-Out <u>20:46</u>	

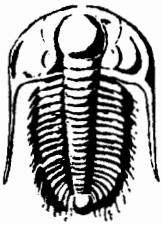
Approved By Dusty Rhoades
 Our Representative John J. Schmidt

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CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16975

12/02

Test Ticket

Well Name & No. JUSTUS H-T #1 Test No. #6 Date 05-29-03
 Company H-T OIL, LLC Zone Tested L, Kc. - K
 Address _____ Elevation 2170 KB 2165 GL
 Co. Rep / Geo. DUSTY RHODES Cont. MURFIN #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 23 Twp. 8S Rge. 23W Co. GRAHAM State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3596 TO 3622 Initial Str Wt./Lbs. 46,000 Unseated Str Wt./Lbs. 46,000
 Anchor Length 26' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3591 Tool Weight 2,300
 Bottom Packer Depth 3596 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3622 Wt. Pipe Run 0 Drill Collar Run 184'
 Mud Wt. 9.2 LCM 1# Vis. 45 WL 8.4 Drill Pipe Size 4 1/2 XH Ft. Run 3398
 Blow Description IF-WEAK SURFACE BLOW FSI-DEAD
FF-DEAD FSI-DEAD

Recovery - Total Feet 10 GIP _____ Ft. in DC 10' Ft. in DP 0
 Rec. 10 Feet of DRILLING MUD
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 BHT 106 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 2,000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1750</u>	PSI	<u>3227</u>	<u>B, HOLE</u>
(B) First Initial Flow Pressure	<u>15</u>	PSI	(depth) <u>3600</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>23</u>	PSI	Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1179</u>	PSI	(depth) <u>3619</u>	Safety Jt. <u>✓</u>
(E) Second Initial Flow Pressure	<u>24</u>	PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>30</u>	PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1172</u>	PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1722</u>	PSI	Initial Shut-In <u>30</u>	Ext. Packer _____

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Approved By Dusty Rhoads

Our Representative John J. Schmidt

Final Flow 30 Shale Packer _____
 Final Shut-In 30 Mileage 60
 T-On Location 01:30 Sub Total: 960
 T-Started 01:55 Std. By _____
 T-Open 03:33 Other _____
 T-Pulled 05:34 Total: _____
 T-Out 06:53

CHART PAGE
This is a photocopy of the actual AK-1 recorder chart

