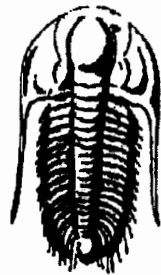


15-065-23727

35-7s-23w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **H&C Oil Operating Inc.**

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

35-7s-23w Graham,KS

Davis Trust #35-1

Start Date: 2011.04.01 @ 14:31:00

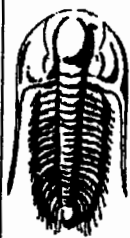
End Date: 2011.04.01 @ 21:25:00

Job Ticket #: 041980 DST #: 1

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

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

H&C Oil Operating Inc.

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

Davis Trust #35-1

35-7s-23w Graham, KS

Job Ticket: 041980

DST#: 1

Test Start: 2011.04.01 @ 14:31:00

GENERAL INFORMATION:

Formation: LKC "E"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:26:00

Time Test Ended: 21:25:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: 3599.00 ft (KB) To 3623.00 ft (KB) (TVD)

Total Depth: 3623.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2270.00 ft (KB)

2263.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8366

Inside

Press@RunDepth: 145.39 psig @ 3600.00 ft (KB)

Start Date: 2011.04.01

End Date:

2011.04.01

Start Time: 14:31:05

End Time:

21:24:59

Capacity: 8000.00 psig

Last Calib.: 2011.04.01

Time On Btm: 2011.04.01 @ 16:23:00

Time Off Btm: 2011.04.01 @ 19:29:00

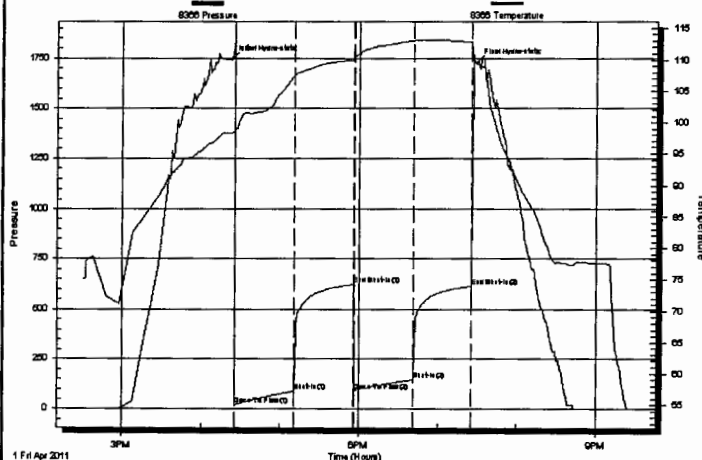
TEST COMMENT: IF: Blow built to BOB (11") in 27 min.

IS: Bled off, No blow back

FF: Blow built to BOB in 39 min.

FS: Bled off, No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1743.86	98.32	Initial Hydro-static
3	22.37	98.73	Open To Flow (1)
48	87.85	107.50	Shut-In (1)
93	621.97	109.94	End Shut-In (1)
93	90.27	109.63	Open To Flow (2)
138	145.39	113.00	Shut-In (2)
182	613.01	112.80	End Shut-In (2)
186	1729.53	109.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
280.00	MCW 85%w, 15%m	3.93
0.00	Trace of Oil in Tool	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

H&C Oil Operating Inc.

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

Davis Trust #35-1

35-7s-23w Graham, KS

Job Ticket: 041980

DST#: 1

Test Start: 2011.04.01 @ 14:31:00

Tool Information

Drill Pipe:	Length: 3591.00 ft	Diameter: 3.80 inches	Volume: 50.37 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 50.37 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	3599.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	24.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				
Pulled tight on w ay out w /bit - Back to bottom to recondition hole				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3584.00	
Hydraulic tool	5.00			3589.00	
Packer	5.00			3594.00	20.00 Bottom Of Top Packer
Packer	5.00			3599.00	
Stubb	1.00			3600.00	
Recorder	0.00	8366	Inside	3600.00	
Recorder	0.00	8320	Outside	3600.00	
Perforations	20.00			3620.00	
Bullnose	3.00			3623.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Operating Inc.

Davis Trust #35-1

PO Box 86
Plainville, KS 67663

35-7s-23w Graham, KS

Job Ticket: 041980

DST#: 1

ATTN: Marc Downing

Test Start: 2011.04.01 @ 14:31:00

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
280.00	MCW 85%w, 15%m	3.928
0.00	Trace of Oil in Tool	0.000

Total Length: 280.00 ft Total Volume: 3.928 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .420 ohms @ 56.8 deg F

Chlorides = 19,000 ppm

DST Test Number: 1

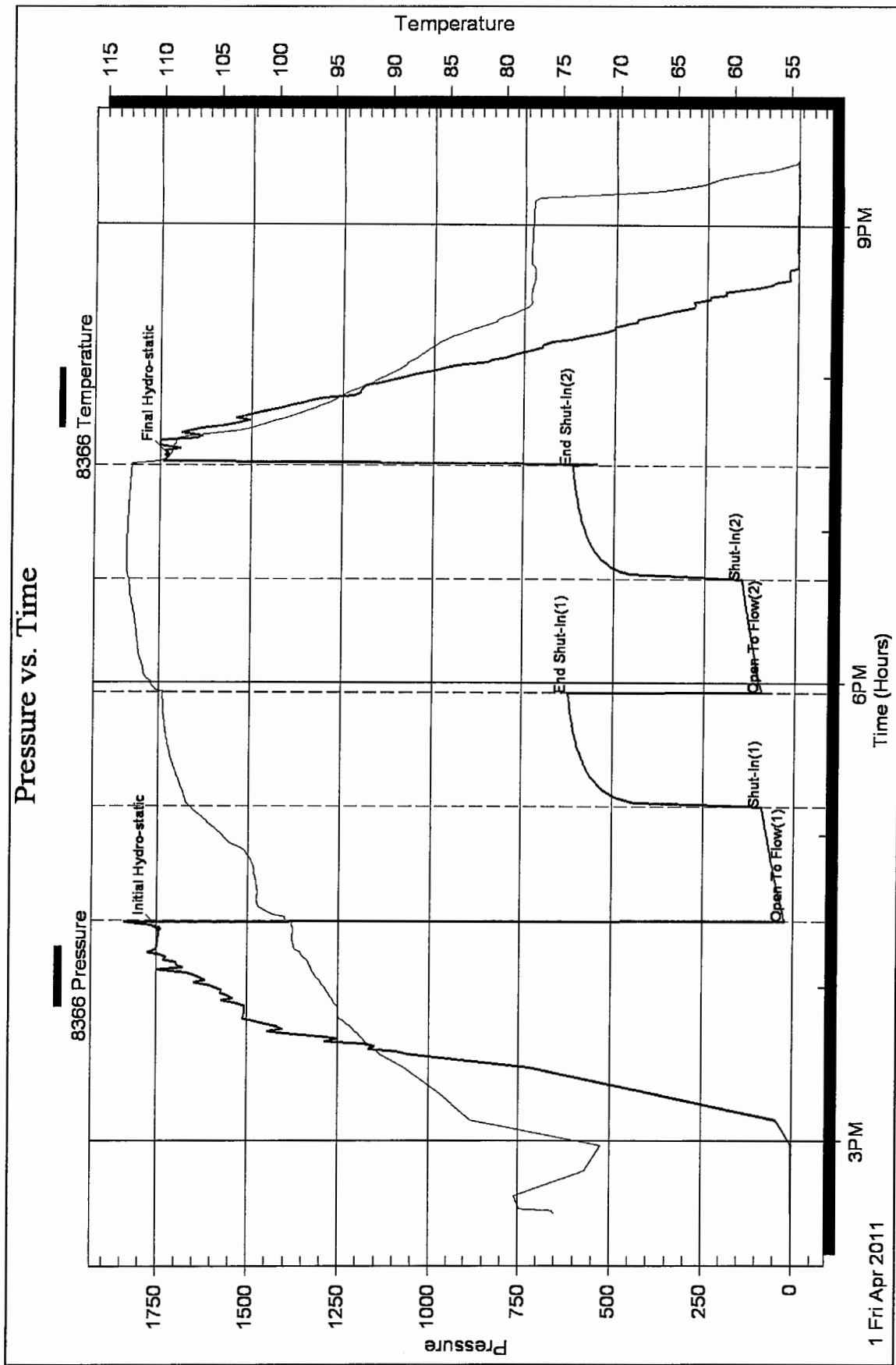
35-7s-23w Graham, KS

H&COil Operating Inc.

Inside

Serial #: 8366

Pressure vs. Time



Ref. No: 041980

Printed: 2011.04.14 @ 10:32:32 Page 5

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Trilobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: **H&C Oil Operating Inc.**

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

35-7s-23w Graham,KS

Davis Trust #35-1

Start Date: 2011.04.02 @ 09:36:00

End Date: 2011.04.02 @ 16:08:30

Job Ticket #: 041981 DST #: 2

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H&C Oil Operating Inc.

PO Box 86
Plainville, KS 67663

ATTN: Marc Dow ning

Davis Trust #35-1

35-7s-23w Graham,KS

Job Ticket: 041981

DST#: 2

Test Start: 2011.04.02 @ 09:36:00

GENERAL INFORMATION:

Formation: **LKC "J"**

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

Time Tool Opened: **11:01:30**

Time Test Ended: **16:08:30**

Interval: **3675.00 ft (KB) To 3715.00 ft (KB) (TVD)**

Total Depth: **3715.00 ft (KB) (TVD)**

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

Test Type: **Conventional Bottom Hole**

Tester: **James Winder**

Unit No: **46**

Reference Elevations: **2270.00 ft (KB)**

2263.00 ft (CF)

KB to GR/CF: **7.00 ft**

Serial #: 8366

Inside

Press@RunDepth: **27.30 psig @ 3676.00 ft (KB)**

Start Date: **2011.04.02**

End Date:

2011.04.02

Start Time: **09:36:05**

End Time:

16:08:29

Capacity: **8000.00 psig**

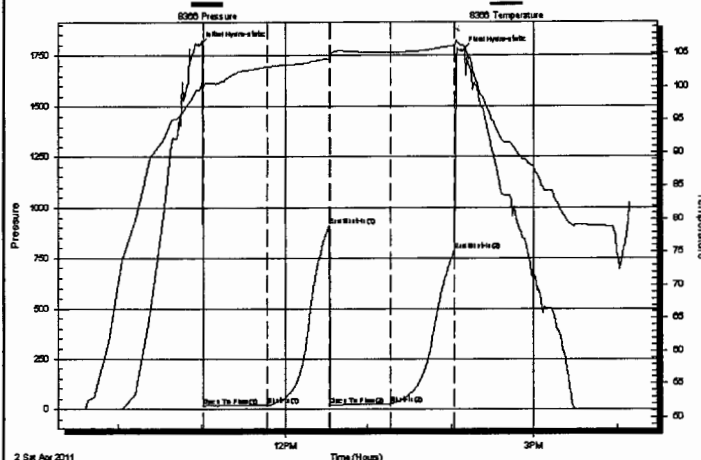
Last Calib.: **2011.04.02**

Time On Btm: **2011.04.02 @ 10:58:30**

Time Off Btm: **2011.04.02 @ 14:07:30**

TEST COMMENT: IF: Blow built to 3"
IS: Bled off, No blow back
FF: 1" Blow at open, built to 4"
FS: Bled off, No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1801.39	99.56	Initial Hydro-static
3	16.43	100.02	Open To Flow (1)
49	21.82	102.99	Shut-In(1)
94	909.29	104.22	End Shut-In(1)
94	21.03	104.52	Open To Flow (2)
138	27.30	105.18	Shut-In(2)
184	787.12	106.12	End Shut-In(2)
189	1772.68	106.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
32.00	MO 58%o, 40%m, 2%g	0.45
0.00	GIP = 35'	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

H&C Oil Operating Inc.

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

Davis Trust #35-1

35-7s-23w Graham, KS

Job Ticket: 041981

DST#: 2

Test Start: 2011.04.02 @ 09:36:00

Tool Information

Drill Pipe:	Length: 3652.00 ft	Diameter: 3.80 inches	Volume: 51.23 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	42000.00 lb
		Total Volume:	51.23 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	-3.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3675.00 ft			Final	37000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	60.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3660.00	
Hydraulic tool	5.00			3665.00	
Packer	5.00			3670.00	20.00 Bottom Of Top Packer
Packer	5.00			3675.00	
Stubb	1.00			3676.00	
Recorder	0.00	8366	Inside	3676.00	
Recorder	0.00	8320	Inside	3676.00	
Perforations	3.00			3679.00	
Blank Spacing	33.00			3712.00	
Bullnose	3.00			3715.00	40.00 Bottom Packers & Anchor
Total Tool Length:	60.00				

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H&C Oil Operating Inc.

Davis Trust #35-1

PO Box 86
Plainville, KS 67663

35-7s-23w Graham, KS

Job Ticket: 041981

DST#: 2

ATTN: Marc Downing

Test Start: 2011.04.02 @ 09:36:00

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: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
32.00	MO 58%o, 40%m, 2%g	0.449
0.00	GIP = 35'	0.000

Total Length: 32.00 ft

Total Volume: 0.449 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 2

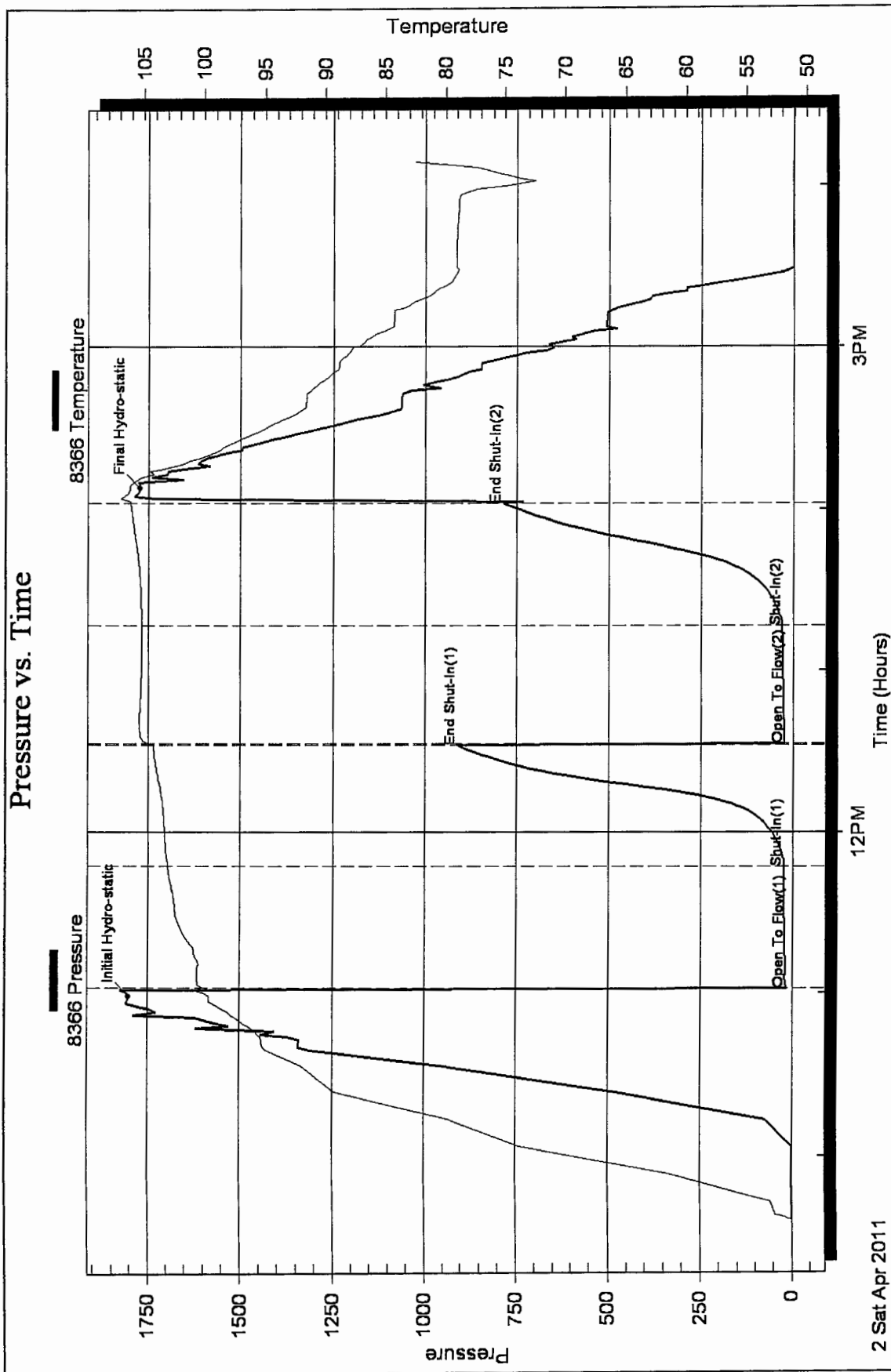
35-7s-23w Graham, KS

H&C Oil Operating Inc.

Inside

Serial #: 8366

Pressure vs. Time



Ref. No: 041981

Trilobite Testing, Inc

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