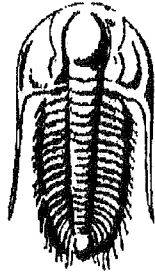


15-065-23607

18-6s-23w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

18 6s 23w Graham KS

Campbell #18-1

Start Date: 2010.01.16 @ 03:15:00

End Date: 2010.01.16 @ 10:35:30

Job Ticket #: 35879 DST #: 1

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KANSAS CORPORATION COMMISSION

APR 22 2010

CONSERVATION DIVISION
WICHITA, KS

KCC
APR 22 2010
CONFIDENTIAL

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

H & C Oil Operating Inc.

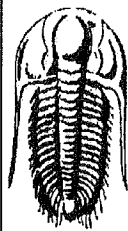
Campbell #18-1

18 6s 23w Graham KS

DST # 1

Toronto

2010.01.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & C Oil Operating Inc.

Campbell #18-1

PO Box 86
Plainville, KS 67663

18 6s 23w Graham KS

ATTN: Marc Downing

Job Ticket: 35879

DST#: 1

Test Start: 2010.01.16 @ 03:15:00

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:46:30

Time Test Ended: 10:35:30

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: **3628.00 ft (KB) To 3663.00 ft (KB) (TVD)**

Reference Elevations: 2424.00 ft (KB)

Total Depth: 3663.00 ft (KB) (TVD)

2419.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 160.35 psig @ 3629.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.01.16

End Date:

2010.01.16

Last Calib.: 2010.01.16

Start Time: 03:15:05

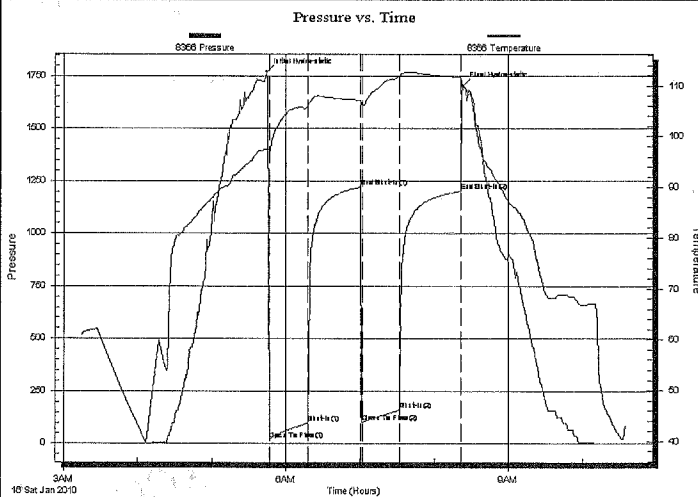
End Time:

10:35:29

Time On Btm: 2010.01.16 @ 05:44:30

Time Off Btm: 2010.01.16 @ 08:22:59

TEST COMMENT: IF: Blow built to BOB in 9 min.
IS: Bled off, Blow back built to 3 1/4"
FF: Blow built to BOB in 12 min.
FS: Bled off, Blow back built to 8"



PRESSURE SUMMARY

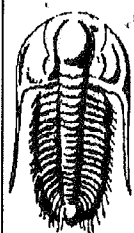
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1767.29	97.36	Initial Hydro-static
2	20.42	97.20	Open To Flow (1)
33	98.34	105.99	Shut-In(1)
77	1220.51	107.12	End Shut-In(1)
78	100.40	106.19	Open To Flow (2)
107	160.35	111.80	Shut-In(2)
157	1201.17	111.63	End Shut-In(2)
159	1703.77	110.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	SMCO 82%o, 13%g, 5%w	2.81
40.00	GMCO 52%o, 34%w, 14%g	0.56
62.00	SWCGOM 40%w, 38%o, 18%g, 4%w	0.87
62.00	GOWCM 43%w, 27%w, 17%o, 13%g	0.87
0.00	GIP = 390'	0.00
0.00	Gravity = 27 api	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & C Oil Operating Inc.

Campbell #18-1

PO Box 86
Plainville, KS 67663

18 6s 23w Graham KS

ATTN: Marc Downing

Job Ticket: 35879

DST#: 1

Test Start: 2010.01.16 @ 03:15:00

Tool Information

Drill Pipe:	Length: 3633.00 ft	Diameter: 3.80 inches	Volume: 50.96 bbl	Tool Weight: 1500.00 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: 52000.00 lb
			<u>Total Volume: 50.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3628.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:
Tool slid 4' to bottom before open

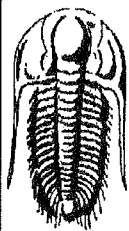
Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3613.00	
HYD S.I. Tool	5.00			3618.00	
Packer	5.00			3623.00	20.00 Bottom Of Top Packer
Packer	5.00			3628.00	
Stubb	1.00			3629.00	
Recorder	0.00	8366	Inside	3629.00	
Recorder	0.00	8320	Outside	3629.00	
Perforations	31.00			3660.00	
Bullnose	3.00			3663.00	35.00 Bottom Packers & Anchor
Total Tool Length:	55.00				

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KANSAS CORPORATION COMMISSION

APR 22 2010

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & C Oil Operating Inc.

Campbell #18-1

PO Box 86
Plainville, KS 67663

18 6s 23w Graham KS

Job Ticket: 35879

DST#: 1

ATTN: Marc Downing

Test Start: 2010.01.16 @ 03:15:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	27 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.76 in ³	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
200.00	SMCGO 82%o, 13%g, 5%m	2.805
40.00	GMCO 52%o, 34%m, 14%g	0.561
62.00	SWCGOM 40%m, 38%o, 18%g, 4%w	0.870
62.00	GOWCM 43%m, 27%w, 17%o, 13%g	0.870
0.00	GIP = 390'	0.000
0.00	Gravity = 27 api	0.000

Total Length: 364.00 ft Total Volume: 5.106 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

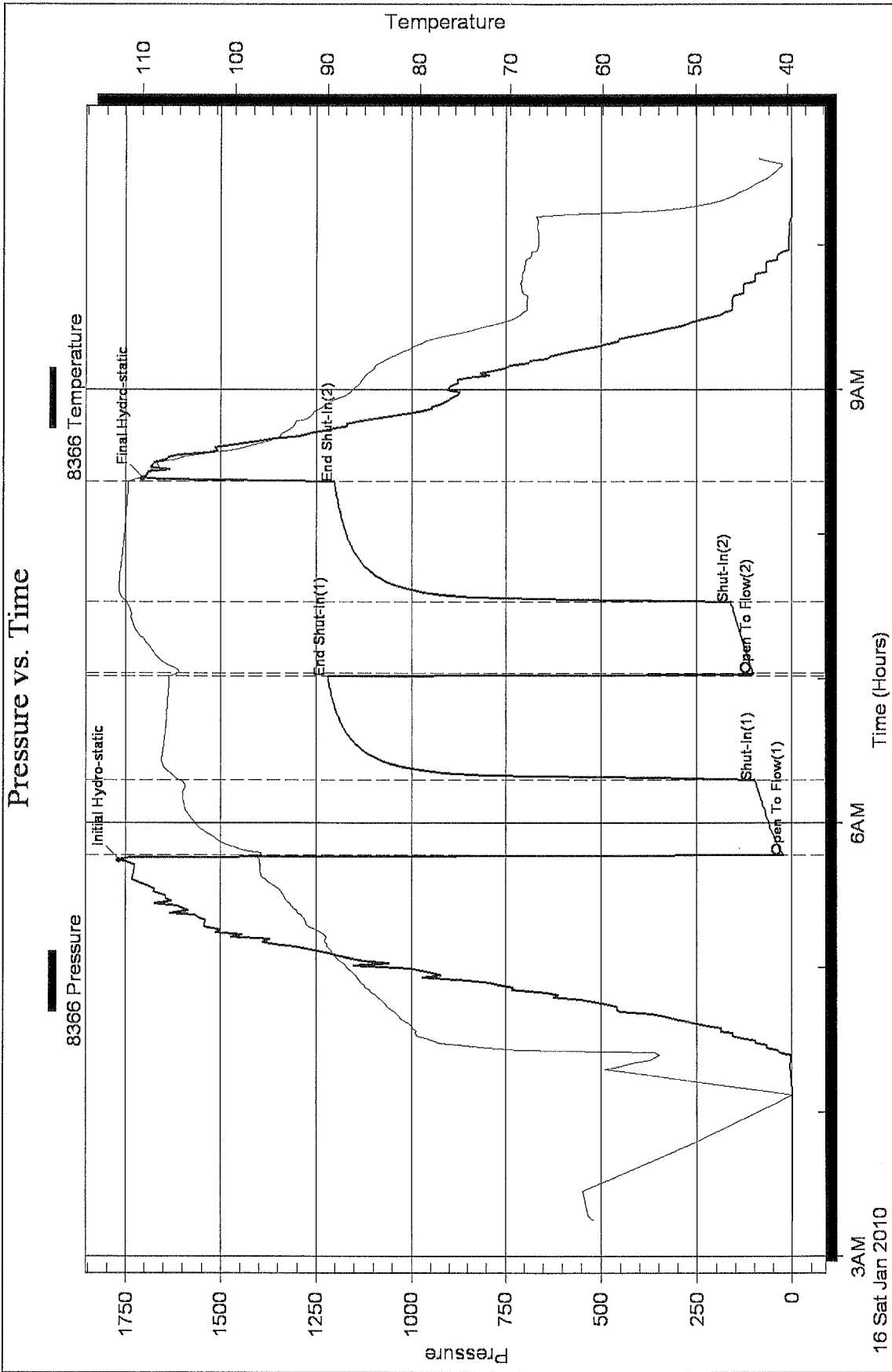
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

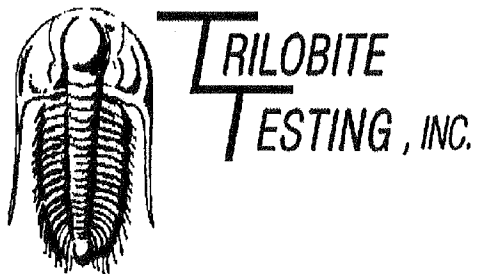
Pressure vs. Time



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WICHITA, KS



DRILL STEM TEST REPORT

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

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

18 6s 23w Graham KS

Campbell #18-1

Start Date: 2010.01.16 @ 20:25:00

End Date: 2010.01.17 @ 03:22:00

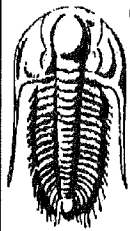
Job Ticket #: 35880 DST #: 2

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CONSERVATION DIVISION
WICHITA, KS

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & C Oil Operating Inc.

Campbell #18-1

PO Box 86
Plainville, KS 67663

18 6s 23w Graham KS

ATTN: Marc Downing

Job Ticket: 35880

DST#: 2

Test Start: 2010.01.16 @ 20:25:00

GENERAL INFORMATION:

Formation: **LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:15:00

Time Test Ended: 03:22:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: **3690.00 ft (KB) To 3710.00 ft (KB) (TVD)**

Total Depth: 3710.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2424.00 ft (KB)

2419.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 322.40 psig @ 3691.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.01.16

End Date:

2010.01.17

Last Calib.: 2010.01.17

Start Time: 20:25:05

End Time:

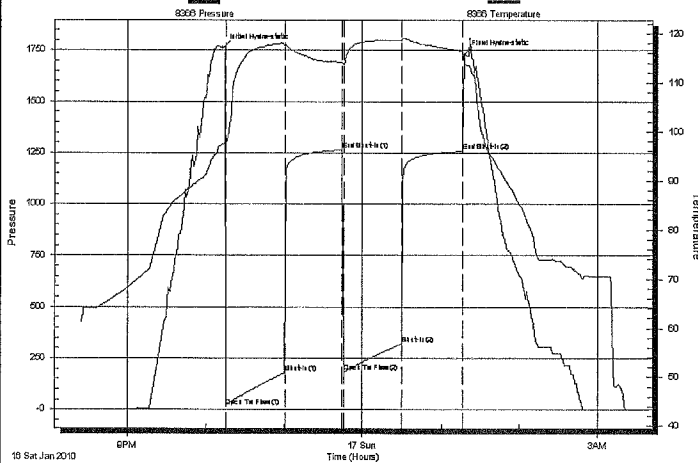
03:21:59

Time On Btm: 2010.01.16 @ 22:13:00

Time Off Btm: 2010.01.17 @ 01:18:00

TEST COMMENT: IF: Blow built to BOB in 12 min.
IS: Bled off, Weak surface blow back, dead in 10 min.
FF: Blow built to BOB in 14 min.
FSI: Bled off, No blow back

Pressure vs. Time



PRESSURE SUMMARY

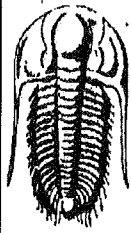
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1761.76	97.41	Initial Hydro-static
2	14.83	96.81	Open To Flow (1)
48	180.46	117.64	Shut-In(1)
92	1263.39	114.07	End Shut-In(1)
93	183.34	113.75	Open To Flow (2)
137	322.40	118.71	Shut-In(2)
184	1258.15	116.42	End Shut-In(2)
185	1731.86	113.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Watery Mud w/trace oil 51%w, 49%w	0.87
500.00	SMCW 96%w, 4%w	7.01
88.00	MCW w/trace oil 77%w, 23%w	1.23
0.00	RW = .328 ohms @ 33 deg F	0.00
0.00	Chlorides = 49,000 ppm	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & C Oil Operating Inc.

Campbell #18-1

PO Box 86
Plainville, KS 67663

18 6s 23w Graham KS

ATTN: Marc Downing

Job Ticket: 35880

DST#: 2

Test Start: 2010.01.16 @ 20:25:00

Tool Information

Drill Pipe:	Length: 3695.00 ft	Diameter: 3.80 inches	Volume: 51.83 bbl	Tool Weight: 1500.00 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: 40000.00 lb
		Total Volume: 51.83 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3690.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool slid about 4' to bottom before open

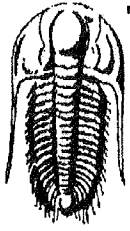
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

S.I. Tool	5.00			3675.00	
HYD S.I. Tool	5.00			3680.00	
Packer	5.00			3685.00	20.00 Bottom Of Top Packer
Packer	5.00			3690.00	
Stubb	1.00			3691.00	
Recorder	0.00	8366	Inside	3691.00	
Recorder	0.00	8320	Outside	3691.00	
Perforations	16.00			3707.00	
Bullnose	3.00			3710.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				

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CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & C Oil Operating Inc.

Campbell #18-1

PO Box 86
Plainville, KS 67663

18 6s 23w Graham KS

Job Ticket: 35880

DST#: 2

ATTN: Marc Downing

Test Start: 2010.01.16 @ 20:25:00

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: 49000 ppm	
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.95 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Watery Mud w /trace oil 51%m, 49%w	0.870
500.00	SMCW 96%w, 4%m	7.014
88.00	MCW w /trace oil 77%w, 23%m	1.234
0.00	RW = .328 ohms @ 33 deg F	0.000
0.00	Chlorides = 49,000 ppm	0.000

Total Length: 650.00 ft Total Volume: 9.118 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

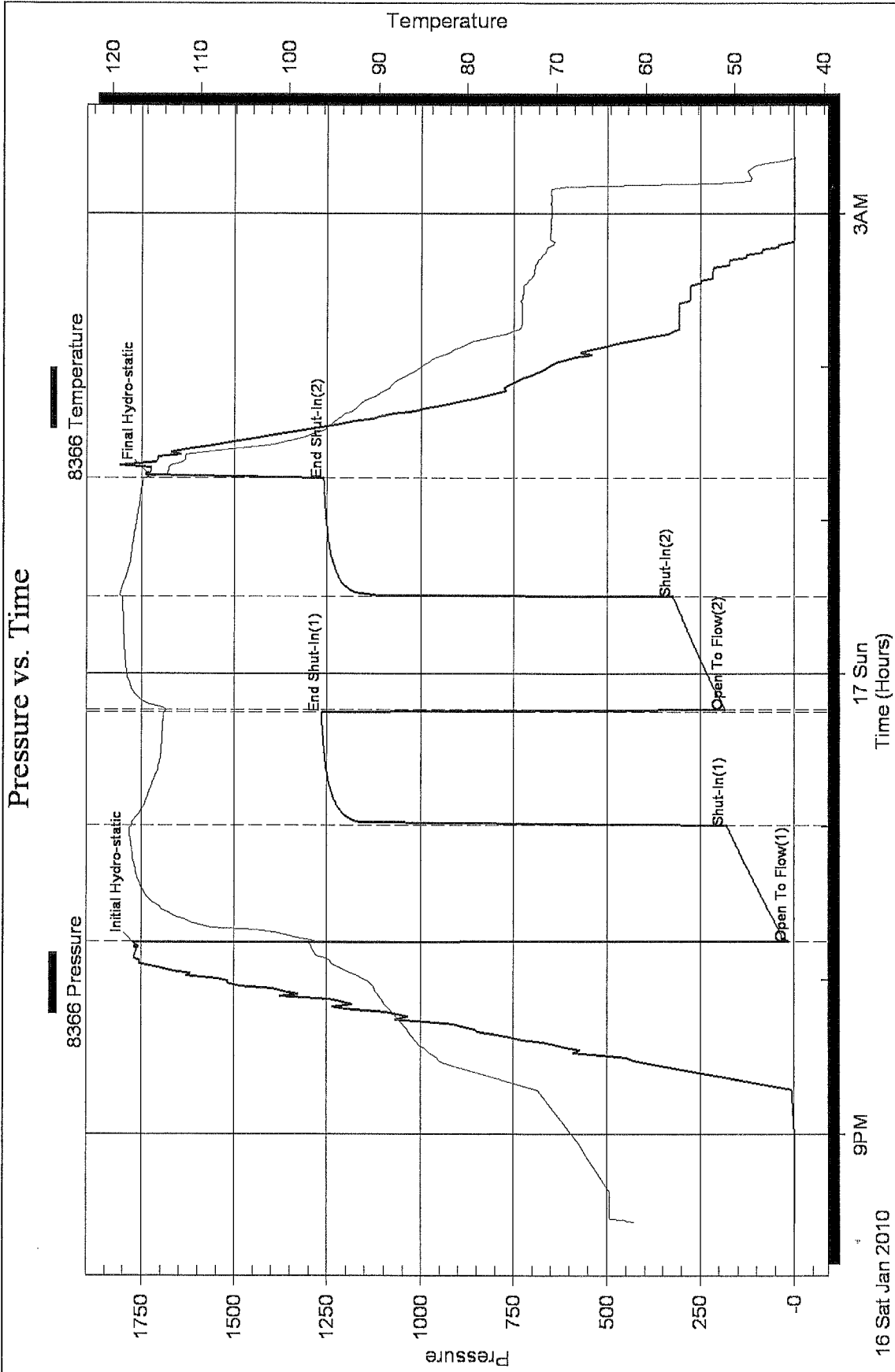
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

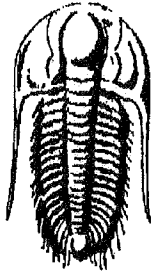
Pressure vs. Time



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CONSERVATION DIVISIO
WICHITA, KS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

18 6s 23w Graham KS

Campbell #18-1

Start Date: 2010.01.17 @ 14:00:00

End Date: 2010.01.17 @ 20:06:00

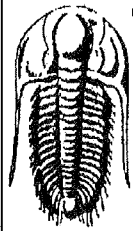
Job Ticket #: 35881 DST #: 3

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

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CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & C Oil Operating Inc.

Campbell #18-1

PO Box 86
Plainville, KS 67663

18 6s 23w Graham KS

ATTN: Marc Downing

Job Ticket: 35881 **DST#: 3**

Test Start: 2010.01.17 @ 14:00:00

GENERAL INFORMATION:

Formation: **LKC "F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:43:00

Time Test Ended: 20:06:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: **3726.00 ft (KB) To 3749.00 ft (KB) (TVD)**

Reference Elevations: 2424.00 ft (KB)

Total Depth: 3749.00 ft (KB) (TVD)

2419.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 527.99 psig @ 3727.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.01.17 End Date: 2010.01.17

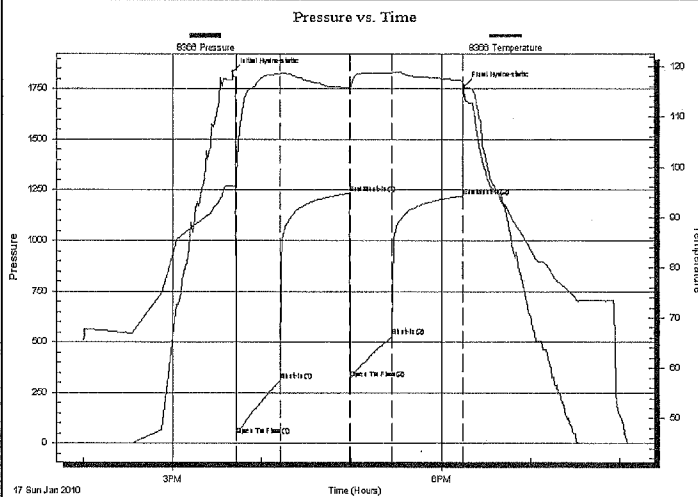
Last Calib.: 2010.01.17

Start Time: 14:00:05 End Time: 20:05:59

Time On Btm: 2010.01.17 @ 15:41:00

Time Off Btm: 2010.01.17 @ 18:15:30

TEST COMMENT: IF: Blow built to BOB in 4 min.
 IS: Bled off, Weak surface blow back @ 10 min., dead @ 17 min.
 FF: Blow built to BOB in 5 min.
 FS: Bled off, No blow back



PRESSURE SUMMARY

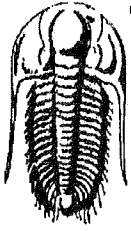
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1833.06	96.18	Initial Hydro-static
2	42.27	95.82	Open To Flow (1)
32	310.77	118.46	Shut-In(1)
78	1233.13	115.74	End Shut-In(1)
79	321.88	115.53	Open To Flow (2)
107	527.99	118.74	Shut-In(2)
153	1220.88	117.21	End Shut-In(2)
155	1767.38	113.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
910.00	MCW 88%w, 12%m	12.48
210.00	MCW 67%w, 33%m	2.95
0.00	Oil spots in Tool	0.00
0.00	RW = .192 ohms @ 40.3 deg F	0.00
0.00	Chlorides = 70,000 ppm	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & C Oil Operating Inc.

Campbell #18-1

PO Box 86
Plainville, KS 67663

18 6s 23w Graham KS

Job Ticket: 35881

DST#: 3

ATTN: Marc Downing

Test Start: 2010.01.17 @ 14:00:00

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:	70000 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.57 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
910.00	MCW 88%w, 12%m	12.483
210.00	MCW 67%w, 33%m	2.946
0.00	Oil spots in Tool	0.000
0.00	RW = .192 ohms @ 40.3 deg F	0.000
0.00	Chlorides = 70,000 ppm	0.000

Total Length: 1120.00 ft Total Volume: 15.429 bbl

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

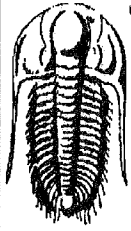
Laboratory Name: Laboratory Location:

Recovery Comments:

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CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & C Oil Operating Inc.

Campbell #18-1

PO Box 86
Plainville, KS 67663

18 6s 23w Graham KS

Job Ticket: 35881

DST#: 3

ATTN: Marc Downing

Test Start: 2010.01.17 @ 14:00:00

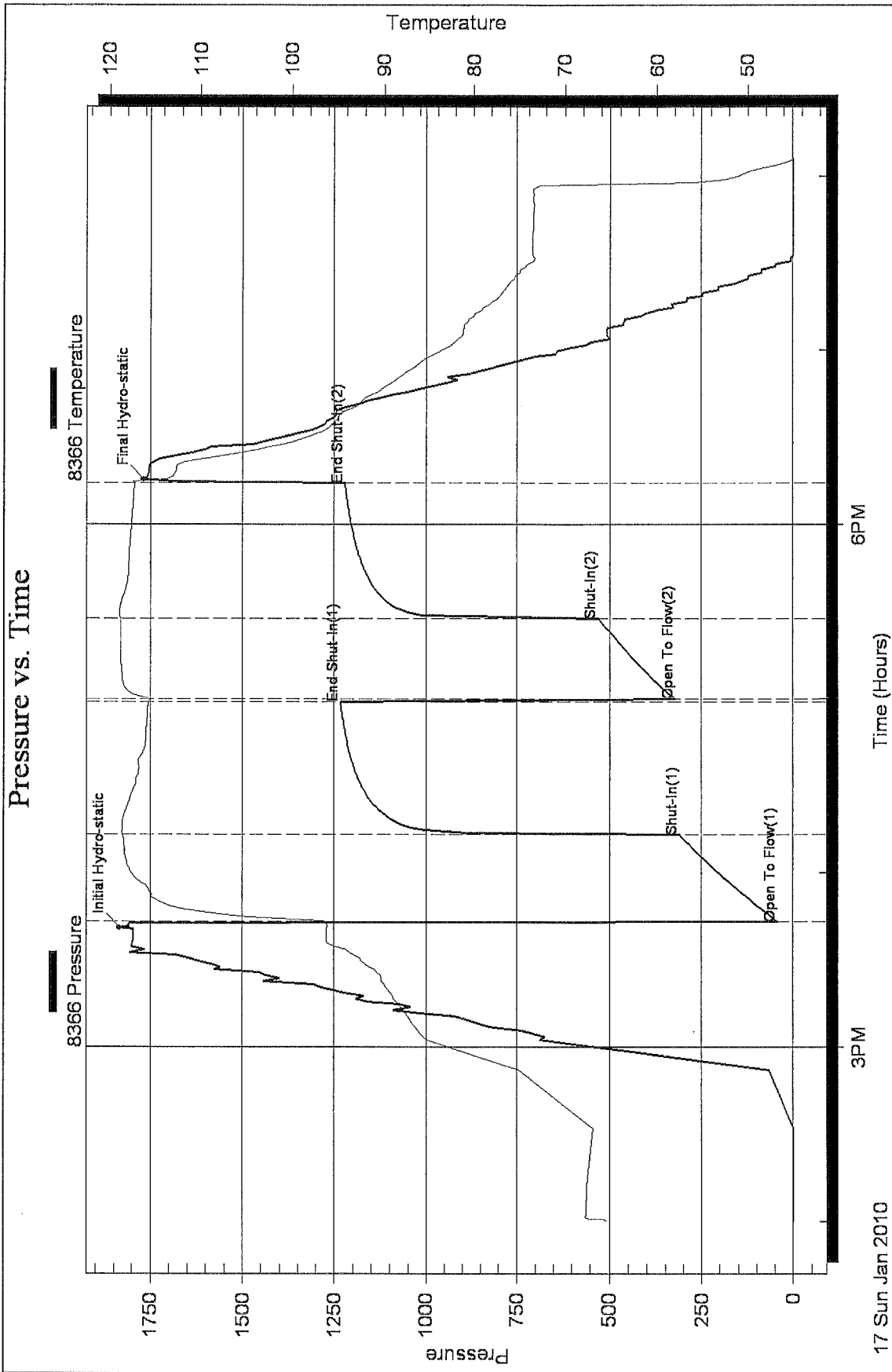
Tool Information

Drill Pipe:	Length: 3695.00 ft	Diameter: 3.80 inches	Volume: 51.83 bbl	Tool Weight: 1500.00 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: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 51.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	3726.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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

S.I. Tool	5.00			3711.00	
HYD S.I. Tool	5.00			3716.00	
Packer	5.00			3721.00	20.00 Bottom Of Top Packer
Packer	5.00			3726.00	
Stubb	1.00			3727.00	
Recorder	0.00	8366	Inside	3727.00	
Recorder	0.00	8320	Outside	3727.00	
Perforations	19.00			3746.00	
Bullnose	3.00			3749.00	23.00 Bottom Packers & Anchor
Total Tool Length:	43.00				

Pressure vs. Time



17 Sun Jan 2010

6PM

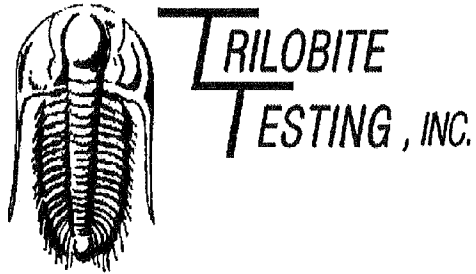
3PM

Time (Hours)

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APR 22 2010

CONSERVATION DIVISION
WICHITA, KS



DRILL STEM TEST REPORT

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

PO Box 86
Plainville, KS 67663

ATTN: Marc Downing

18 6s 23w Graham KS

Campbell #18-1

Start Date: 2010.01.18 @ 06:58:00

End Date: 2010.01.18 @ 10:43:00

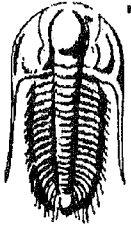
Job Ticket #: 35882 DST #: 4

RECEIVED
KANSAS CORPORATION COMMISSION

APR 22 2010

CONSERVATION DIVISION
WICHITA, KS

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

H & C Oil Operating Inc.

Campbell #18-1

PO Box 86
Plainville, KS 67663

18 6s 23w Graham KS

ATTN: Marc Downing

Job Ticket: 35882 **DST#: 4**

Test Start: 2010.01.18 @ 06:58:00

GENERAL INFORMATION:

Formation: **LKC "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:50:00

Time Test Ended: 10:43:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 46

Interval: **3771.00 ft (KB) To 3810.00 ft (KB) (TVD)**

Total Depth: 3810.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2424.00 ft (KB)

2419.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 1720.84 psig @ 3772.00 ft (KB)

Start Date: 2010.01.18

End Date: 2010.01.18

Start Time: 06:58:05

End Time: 10:43:00

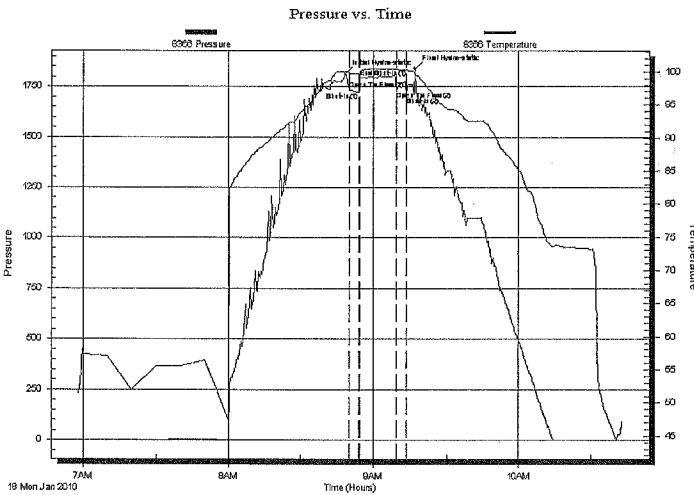
Capacity: 8000.00 psig

Last Calib.: 2010.01.18

Time On Btm: 2010.01.18 @ 08:48:30

Time Off Btm: 2010.01.18 @ 09:17:00

TEST COMMENT: Got ready to land tool on bottom - Hole not full of mud
Filled hole - hole still loosing mud - could not keep full
Pulled tool
Mis-run



PRESSURE SUMMARY

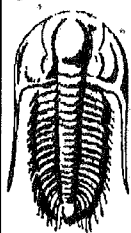
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1811.02	99.98	Initial Hydro-static
2	1736.63	99.78	Open To Flow (1)
6	1720.84	99.63	Shut-In(1)
6	1792.96	99.87	End Shut-In(1)
21	1728.54	100.38	Open To Flow (2)
25	1697.51	100.21	Shut-In(2)
29	1836.79	99.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	misrun	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

H & C Oil Operating Inc.

Campbell #18-1

PO Box 86
Plainville, KS 67663

18 6s 23w Graham KS

Job Ticket: 35882 **DST#: 4**

ATTN: Marc Downing

Test Start: 2010.01.18 @ 06:58:00

Tool Information

Drill Pipe:	Length: 3725.00 ft	Diameter: 3.80 inches	Volume: 52.25 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	lb
		Total Volume: 52.40 bbl		Tool Chased	ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3771.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	39.00 ft				
Tool Length:	59.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Missing last part of recorder 2 file?? rec # 8320

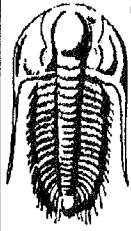
Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3756.00	
HYD S.I. Tool	5.00			3761.00	
Packer	5.00			3766.00	20.00 Bottom Of Top Packer
Packer	5.00			3771.00	
Stubb	1.00			3772.00	
Recorder	0.00	8366	Inside	3772.00	
Recorder	0.00	8320	Outside	3772.00	
Perforations	35.00			3807.00	
Bullnose	3.00			3810.00	39.00 Bottom Packers & Anchor
Total Tool Length:	59.00				

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APR 22 2010

CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

H & C Oil Operating Inc.

Campbell #18-1

PO Box 86
Plainville, KS 67663

18 6s 23w Graham KS

Job Ticket: 35882

DST#: 4

ATTN: Marc Downing

Test Start: 2010.01.18 @ 06:58:00

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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	misrun	0.000

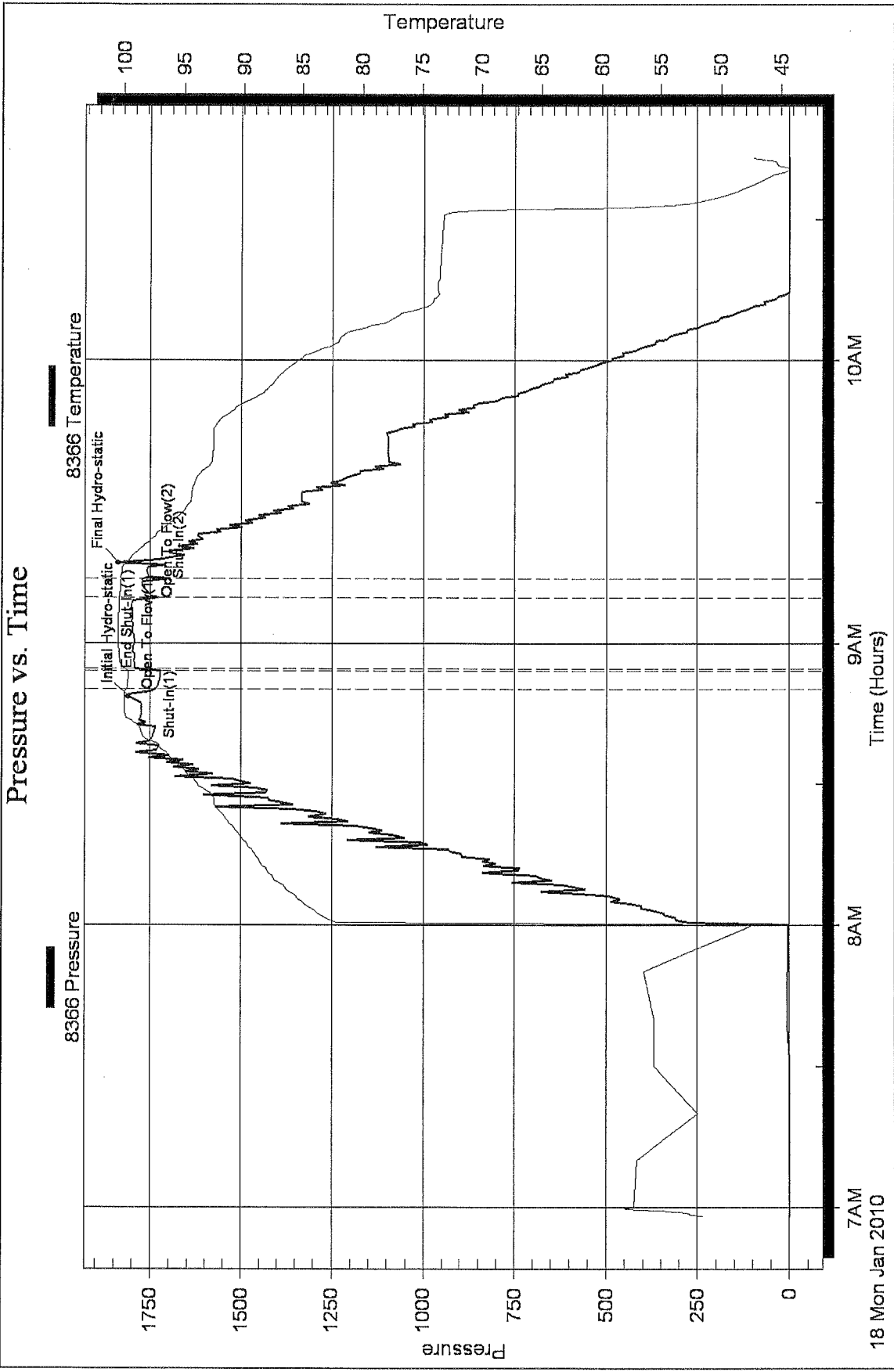
Total Length: ft Total Volume: bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

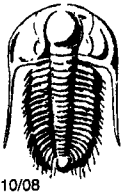
Pressure vs. Time



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 WICHITA, KS

Ref. No: 35882

Trilobite Testing, Inc



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 20 2010

Test Ticket

NO. 35879 13825

Well Name & No. Campbell #18-1 Test No. 1 Date 1-16-10
 Company H+C Oil Operating Inc. Elevation 2424 KB 2419 GL
 Address PO Box 86 Plainville, KS 67663
 Co. Rep / Geo. Marc Dowring Rig American Eagle #3
 Location: Sec. 18 Twp. 6s Rge. 23 w Co. Graham State KS

Interval Tested 3628-3663 Zone Tested Toronto
 Anchor Length 35 Drill Pipe Run 3633 Mud Wt. 8.9
 Top Packer Depth 3623 Drill Collars Run - Vis 48
 Bottom Packer Depth 3628 Wt. Pipe Run - WL 7.8
 Total Depth 3663 Chlorides 800 ppm System LCM 1

Blow Description IF: Blow built to BOB in 9 min.
ISI: Bled off, Blowback built to 3 1/4"
FF: Blow built to BOB in 12 min.
FSI: Bled off, Blowback built to 8"

Rec	Feet of	%gas	%oil	%water	%mud
200	SMCGO	13	82	-	5
40	GMCO	14	52	-	34
62	SWC60M	18	38	4	40
62	60WCM	13	17	27	43
	GIP = 390'				

Rec Total 364 Fluid 390 GIP BHT 112 Gravity 27 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 1725 Test 1050 T-On Location 1:50
 (B) First Initial Flow 20 Jars - T-Started ~~3:15~~
 (C) First Final Flow 98 Safety Joint - T-Open 5:46
 (D) Initial Shut-In 1221 Circ Sub NA T-Pulled 8:21
 (E) Second Initial Flow 100 Hourly Standby - T-Out 10:20
 (F) Second Final Flow 160 Mileage 128 RT Comments Tool slid 4' to bottom before open
 (G) Final Shut-In 1201 Sampler -
 (H) Final Hydrostatic 1689 Straddle -
 Shale Packer - Ruined Shale Packer -
 Extra Packer - Ruined Packer -
 Extra Recorder - Extra Copies -
 Day Standby - Sub Total 0
 Accessibility - Total 1178
 Sub Total 1178

Approved By _____ Our Representative James White

Trilobite Testing Inc. shall not be liable for damaged 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

Test Ticket

NO. 35880

RECEIVED
JAN 20 2010

Well Name & No. Campbell #18-1 BY: _____ Test No. 2 Date 1-17-10
 Company H+C Oil Operating Inc Elevation 2424 KB 2419 GL _____
 Address PO Box 86 Plainville KS 67663
 Co. Rep / Geo. Marc Downing Rig American Eagle #3
 Location: Sec. 18 Twp. 6S Rge. 23W Co. Graham State KS

Interval Tested 3690 - 3710 Zone Tested LKC "C"
 Anchor Length 20 Drill Pipe Run 3965 Mud Wt. 9.1
 Top Packer Depth 3685 Drill Collars Run 31 Vis 55
 Bottom Packer Depth 3690 Wt. Pipe Run - WL 8.0
 Total Depth 3710 Chlorides 1000 ppm System LCM 3/4 #

Blow Description IF: Blow built to BOB in 12 min.
ISI: Bled off, weak surface blowback, dead in 10 min.
FF: Blow built to BOB in 14 min.
FSI: Bled off, No blowback

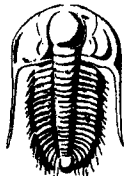
Rec	Feet of	%gas	%oil	%water	%mud
<u>88</u>	<u>MCW w/trace oil</u>	<u>-</u>	<u>trace</u>	<u>77</u>	<u>23</u>
<u>500</u>	<u>SMCW</u>	<u>-</u>	<u>-</u>	<u>96</u>	<u>4</u>
<u>62</u>	<u>Watery Mud w/trace oil</u>	<u>-</u>	<u>trace</u>	<u>49</u>	<u>51</u>
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 650 BHT 116 Gravity - API RW .328 @ 33 °F Chlorides 49,000 ppm

(A) Initial Hydrostatic 1762 Test 1050 T-On Location 20:00
 (B) First Initial Flow 15 Jars _____ T-Started 20:25
 (C) First Final Flow 180 Safety Joint _____ T-Open 22:15
 (D) Initial Shut-In 1263 Circ Sub ANA T-Pulled 1:16
 (E) Second Initial Flow 183 Hourly Standby _____ T-Out 3:15
 (F) Second Final Flow 322 Mileage 128 RT
 (G) Final Shut-In 1258 Sampler _____
 (H) Final Hydrostatic 1723 Straddle _____

Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45
 Day Standby _____
 Accessibility _____
 Sub Total 1178
 Sub Total 1178
 Sub Total 0
 Total 1178

Approved By _____ Our Representative James Wick
 TriLOBITE TESTING Inc. shall not be liable for damaged 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.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 20 2010

Test Ticket

NO. 35881

10/08

BY: _____

Well Name & No. Campbell #18-1 Test No. 3 Date 1-17-10
 Company H + C Oil Operating Inc Elevation 2424 KB 2419 GL
 Address PO Box 86 Plainville, KS 67663
 Co. Rep / Geo. Marc Downing Rig American Eagle #3
 Location: Sec. 18 Twp. 6s Rge. 23w Co. Graham State KS

Interval Tested 3726 - 3749 Zone Tested LKC "F"
 Anchor Length 23 Drill Pipe Run 3695 Mud Wt. 9.0
 Top Packer Depth 3721 Drill Collars Run 31 Vis 52
 Bottom Packer Depth 3726 Wt. Pipe Run - WL 7.6
 Total Depth 3749 Chlorides 2000 ppm System LCM 34

Blow Description IF: Blow built to BOB in 4 min.
ISI: Bled off, weak surface blowback @ 10 min., dead @ 17 min.
FF: Blow built to BOB in 5 min.
FSI: Bled off, No blow back

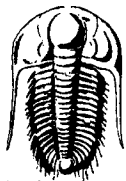
Rec	Feet of	%gas	%oil	%water	%mud
210	MCW	-	-	67	33
910	MCW	-	-	88	12
	Oil spots in tool				

Rec Total 1120 BHT 117 Gravity - API RW .192 @ 40.3 °F Chlorides 70,000 ppm

(A) Initial Hydrostatic <u>1794</u>	<input type="checkbox"/> Test <u>* 1060-</u>	T-On Location <u>13:05</u>
(B) First Initial Flow <u>42</u>	<input checked="" type="checkbox"/> Jars _____	T-Started <u>14:00</u>
(C) First Final Flow <u>311 311</u>	<input checked="" type="checkbox"/> Safety Joint _____	T-Open <u>15:43</u>
(D) Initial Shut-In <u>1233</u>	<input checked="" type="checkbox"/> Circ Sub <u>*NA</u>	T-Pulled <u>18:14</u>
(E) Second Initial Flow <u>322</u>	<input checked="" type="checkbox"/> Hourly Standby _____	T-Out <u>20:00</u>
(F) Second Final Flow <u>528</u>	<input type="checkbox"/> Mileage <u>128RT</u>	Comments _____
(G) Final Shut-In <u>1221</u>	<input checked="" type="checkbox"/> Sampler _____	_____
(H) Final Hydrostatic <u>1756</u>	<input checked="" type="checkbox"/> Straddle _____	_____
Initial Open <u>30</u>	<input checked="" type="checkbox"/> Shale Packer _____	<input checked="" type="checkbox"/> Ruined Shale Packer _____
Initial Shut-In <u>45</u>	<input checked="" type="checkbox"/> Extra Packer _____	<input checked="" type="checkbox"/> Ruined Packer _____
Final Flow <u>30</u>	<input checked="" type="checkbox"/> Extra Recorder _____	<input checked="" type="checkbox"/> Extra Copies _____
Final Shut-In <u>45</u>	<input checked="" type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
	<input checked="" type="checkbox"/> Accessibility _____	Total <u>1178-</u>
	Sub Total <u>1178-</u>	

Approved By _____ Our Representative Jenna Winters

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JAN 20 2010

Test Ticket

NO. 35882

10/08

BY:

Well Name & No. Campbell #18-1 Test No. 4 Date 1-18-10
 Company H + C Oil Operating, Inc Elevation 2424 KB 2419 GL
 Address PO Box 86 Plainville, KS 67663
 Co. Rep / Geo. Marc Downing Rig American Eagle #3
 Location: Sec. 18 Twp. 6s Rge. 23w Co. Graham State KS

Interval Tested 3771 - 3810 Zone Tested LKC "H"
 Anchor Length 39 Drill Pipe Run 3725 Mud Wt. 9.0
 Top Packer Depth 3766 Drill Collars Run 31 Vis 52
 Bottom Packer Depth 3771 Wt. Pipe Run - WL 7.6
 Total Depth 3810 Chlorides 2000 ppm System LCM 3/4

Blow Description Got ready to land tool on bottom - Hole not full of mud
Filled hole - hole still loosing mud - could not keep full
Pulled tool
Mis-Run

Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic _____
 (B) First Initial Flow _____
 (C) First Final Flow _____
 (D) Initial Shut-In _____
 (E) Second Initial Flow _____
 (F) Second Final Flow _____
 (G) Final Shut-In _____
 (H) Final Hydrostatic _____
 Initial Open _____
 Initial Shut-In _____
 Final Flow _____
 Final Shut-In _____

Test 850-
 Jars _____
 Safety Joint _____
 Circ Sub NA
 Hourly Standby _____
 Mileage 128
 Sampler _____
 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 978

T-On Location ~~6:00~~ 6:00
 T-Started 6:58
 T-Open X
 T-Pulled 9:09
 T-Out 10:40
 Comments _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 978

Approved By _____ Our Representative Jenna Winda
 Trilobite Testing Inc. shall not be liable for damaged 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.