

DRILL STEM TEST REPORT

Prepared For: **Northern Lights Oil Co.**

PO Box 164
Andover, Ks. 67002

ATTN: Jeff Christian

3-6s-22w-Graham

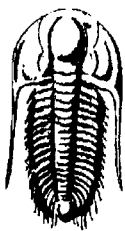
Tomanek #1

Start Date: 2005.08.01 @ 03:12:27

End Date: 2005.08.01 @ 10:06:12

Job Ticket #: 22063 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

Northern Lights Oil Co.

PO Box 164
Andover, Ks. 67002

ATTN: Jeff Christian

Tomanek #1

3-6s-22w-Graham

Job Ticket: 22063

DST#: 1

Test Start: 2005.08.01 @ 03:12:27

GENERAL INFORMATION:

Formation: **Toronto**

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

Time Tool Opened: 04:53:27

Time Test Ended: 10:06:12

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3525.00 ft (KB) To 3566.00 ft (KB) (TVD)**

Total Depth: **3566.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2316.00 ft (KB)**

2311.00 ft (CF)

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

Serial #: 6741

Inside

Press@RunDepth: **161.59 psig @ 3527.00 ft (KB)**

Start Date: **2005.08.01**

End Date:

2005.08.01

Start Time: **03:12:29**

End Time:

10:06:12

Capacity: **7000.00 psig**

Last Calib.: **2005.08.01**

Time On Btm: **2005.08.01 @ 04:53:12**

Time Off Btm: **2005.08.01 @ 07:57:57**

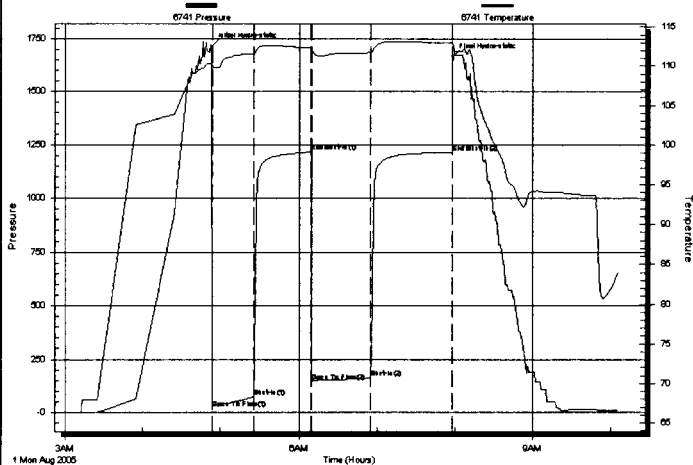
TEST COMMENT: **IFP-Fair Blow, BOB in 19 Mn.**

ISI-Blow back Built to 2"

FFP-Good Blow, BOB in 15 Mn.

FSI-Blow back Built to

Pressure vs. Time



PRESSURE SUMMARY

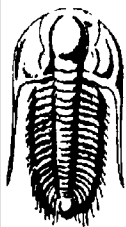
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1711.43	110.34	Initial Hydro-static
1	17.36	109.92	Open To Flow (1)
32	73.09	111.55	Shut-In(1)
76	1216.29	112.30	End Shut-In(1)
77	144.92	112.01	Open To Flow (2)
122	161.59	111.72	Shut-In(2)
185	1214.74	112.92	End Shut-In(2)
185	1664.35	113.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Frothy Oil/Muddy Water-35%G-45%O-	00.59.10
105.00	Frothy Muddy Oil-35%G-45%O-5%M	0.63
225.00	Clean Oil	3.16

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Northern Lights Oil Co.

Tomanek #1

PO Box 164
Andover, Ks. 67002

3-6s-22w-Graham

Job Ticket: 22063

DST#: 1

ATTN: Jeff Christian

Test Start: 2005.08.01 @ 03:12:27

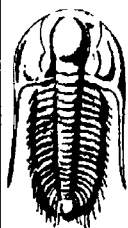
Tool Information

Drill Pipe:	Length: 3323.00 ft	Diameter: 3.80 inches	Volume: 46.61 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 213.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 47.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3525.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3505.00	
Shut In Tool	5.00			3510.00	
Hydraulic tool	5.00			3515.00	
Packer	5.00			3520.00	21.00 Bottom Of Top Packer
Packer	5.00			3525.00	
Stubb	1.00			3526.00	
Perforations	1.00			3527.00	
Recorder	0.00	6741	Inside	3527.00	
Change Over Sub	1.00			3528.00	
Blank Spacing	31.00			3559.00	
Change Over Sub	1.00			3560.00	
Perforations	3.00			3563.00	
Recorder	0.00	13221	Outside	3563.00	
Bullnose	3.00			3566.00	41.00 Bottom Packers & Anchor

Total Tool Length: 62.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Lights Oil Co.

Tomanek #1

PO Box 164
Andover, Ks. 67002

3-6s-22w-Graham

Job Ticket: 22063

DST#: 1

ATTN: Jeff Christian

Test Start: 2005.08.01 @ 03:12:27

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

27 deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Frothy Oil/Muddy Water-35%G-45%O-10%W	0.590
105.00	Frothy Muddy Oil-35%G-45%O-5%M	0.626
225.00	Clean Oil	3.156

Total Length: 450.00 ft

Total Volume: 4.372 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

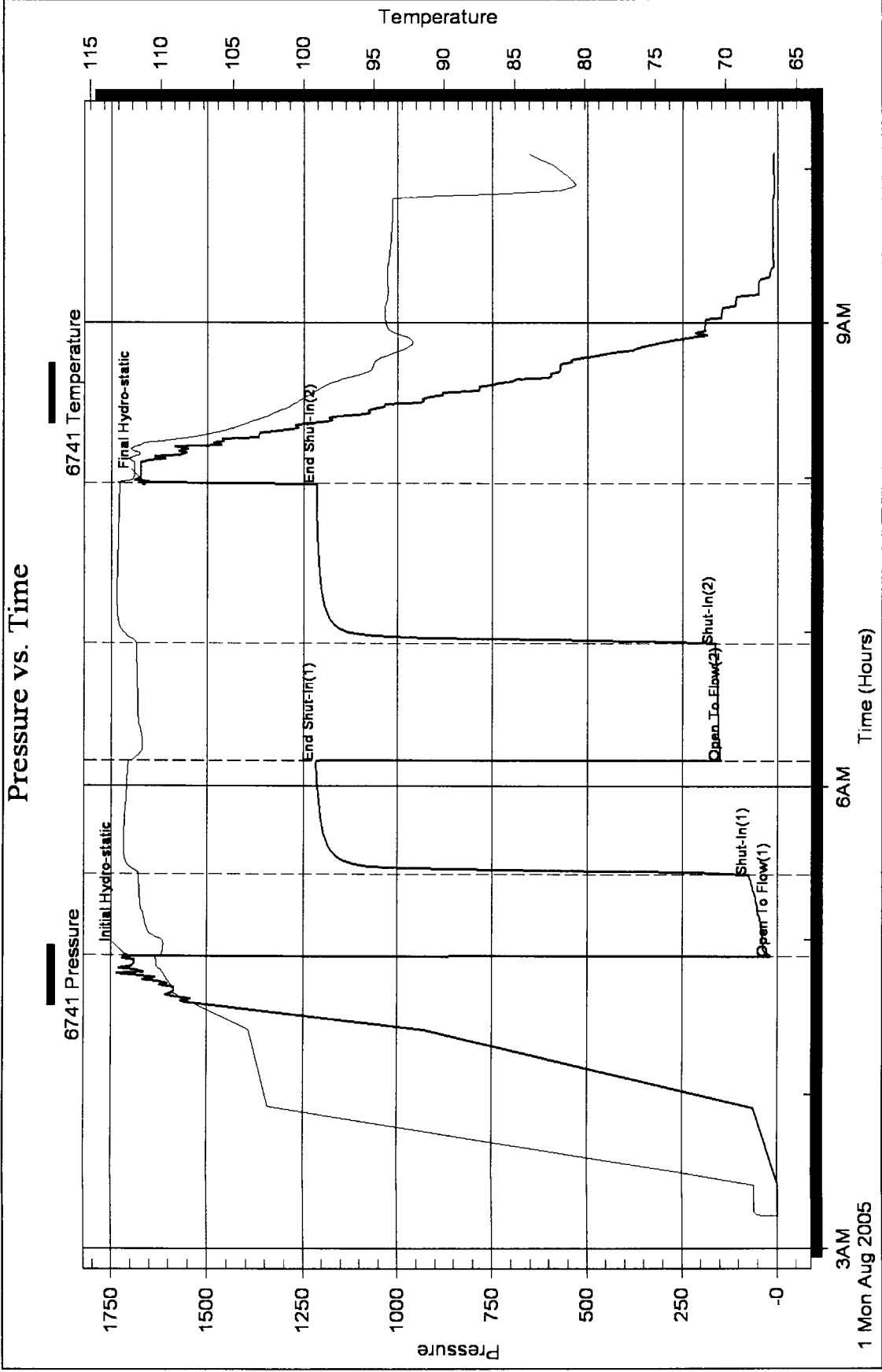
Serial #: 6741

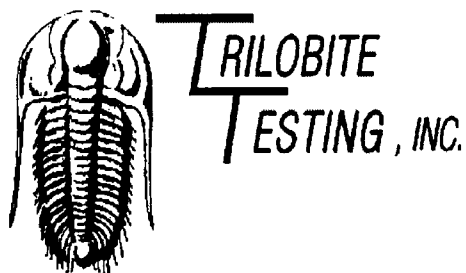
Inside

Northern Lights Oil Co.

3-6s-22w-Graham

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Northern Lights Oil Co.**

PO Box 164
Andover, Ks. 67002

ATTN: Jeff Christian

3-6s-22w-Graham

Tomanek #1

Start Date: 2005.08.01 @ 20:11:04

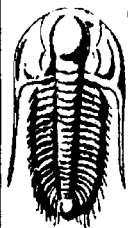
End Date: 2005.08.02 @ 01:42:49

Job Ticket #: 22064 DST #: 2

Trilobite Testing, Inc

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Northern Lights Oil Co.

PO Box 164
Andover, Ks. 67002

ATTN: Jeff Christian

Tomanek #1

3-6s-22w-Graham

Job Ticket: 22064

DST#: 2

Test Start: 2005.08.01 @ 20:11:04

GENERAL INFORMATION:

Formation: **Toronto "B-D"**

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

Time Tool Opened: 21:46:34

Time Test Ended: 01:42:49

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3590.00 ft (KB) To 3627.00 ft (KB) (TVD)**

Total Depth: **3627.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2316.00 ft (KB)**

2311.00 ft (CF)

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

Serial #: 6741

Inside

Press@RunDepth: **91.51 psig @ 3594.00 ft (KB)**

Start Date: **2005.08.01**

End Date:

2005.08.02

Start Time: **20:11:06**

End Time:

01:42:49

Capacity: **7000.00 psig**

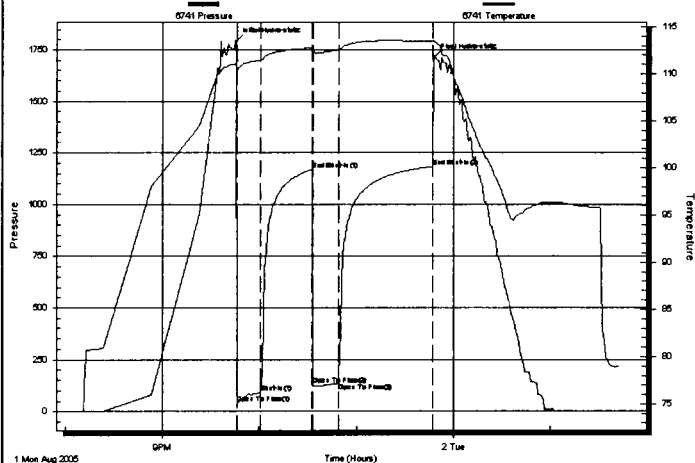
Last Calib.: **2005.08.02**

Time On Btm: **2005.08.01 @ 21:46:04**

Time Off Btm: **2005.08.01 @ 23:47:49**

TEST COMMENT: **IFP-Strong Blow ,BOB in 6 Mn.
IS-Blow back Built to 5"
FFP-Strong Blow ,BOB in 5 Mn.
FS-Blow back Built to BOB in 20 Mn.**

Pressure vs. Time



PRESSURE SUMMARY

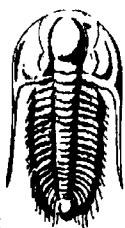
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1791.69	111.05	Initial Hydro-static
1	39.16	110.58	Open To Flow (1)
16	91.51	111.48	Shut-In(1)
47	1166.72	112.74	End Shut-In(1)
47	128.41	112.46	Open To Flow (2)
63	134.85	112.53	Open To Flow (3)
122	1182.52	113.43	End Shut-In(2)
122	1713.50	113.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Muddy Frothy Oil-35%G-35%O-30%M	0.59
310.00	Clean Oil	3.50

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Northern Lights Oil Co.

Tomanek #1

PO Box 164
Andover, Ks. 67002

3-6s-22w-Graham

Job Ticket: 22064

DST#: 2

ATTN: Jeff Christian

Test Start: 2005.08.01 @ 20:11:04

Tool Information

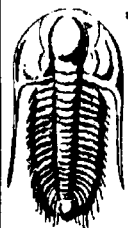
Drill Pipe:	Length: 3384.00 ft	Diameter: 3.80 inches	Volume: 47.47 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 213.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight to Pull Loose:	55000.00 lb
			Total Volume: 48.52 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	50000.00 lb
Depth to Top Packer:	3590.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	37.00 ft				
Tool Length:	58.00 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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Change Over Sub	1.00			3570.00	
Shut In Tool	5.00			3575.00	
Hydraulic tool	5.00			3580.00	
Packer	5.00			3585.00	21.00 Bottom Of Top Packer
Packer	5.00			3590.00	
Stubb	1.00			3591.00	
Perforations	3.00			3594.00	
Recorder	0.00	6741	Inside	3594.00	
Perforations	30.00			3624.00	
Recorder	0.00	13252	Outside	3624.00	
Bullnose	3.00			3627.00	37.00 Bottom Packers & Anchor

Total Tool Length: 58.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Lights Oil Co.

Tomanek #1

PO Box 164
Andover, Ks. 67002

3-6s-22w-Graham

Job Ticket: 22064

DST#: 2

ATTN: Jeff Christian

Test Start: 2005.08.01 @ 20:11:04

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Muddy Frothy Oil-35%G-35%O-30%M	0.590
310.00	Clean Oil	3.501

Total Length: 430.00 ft

Total Volume: 4.091 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

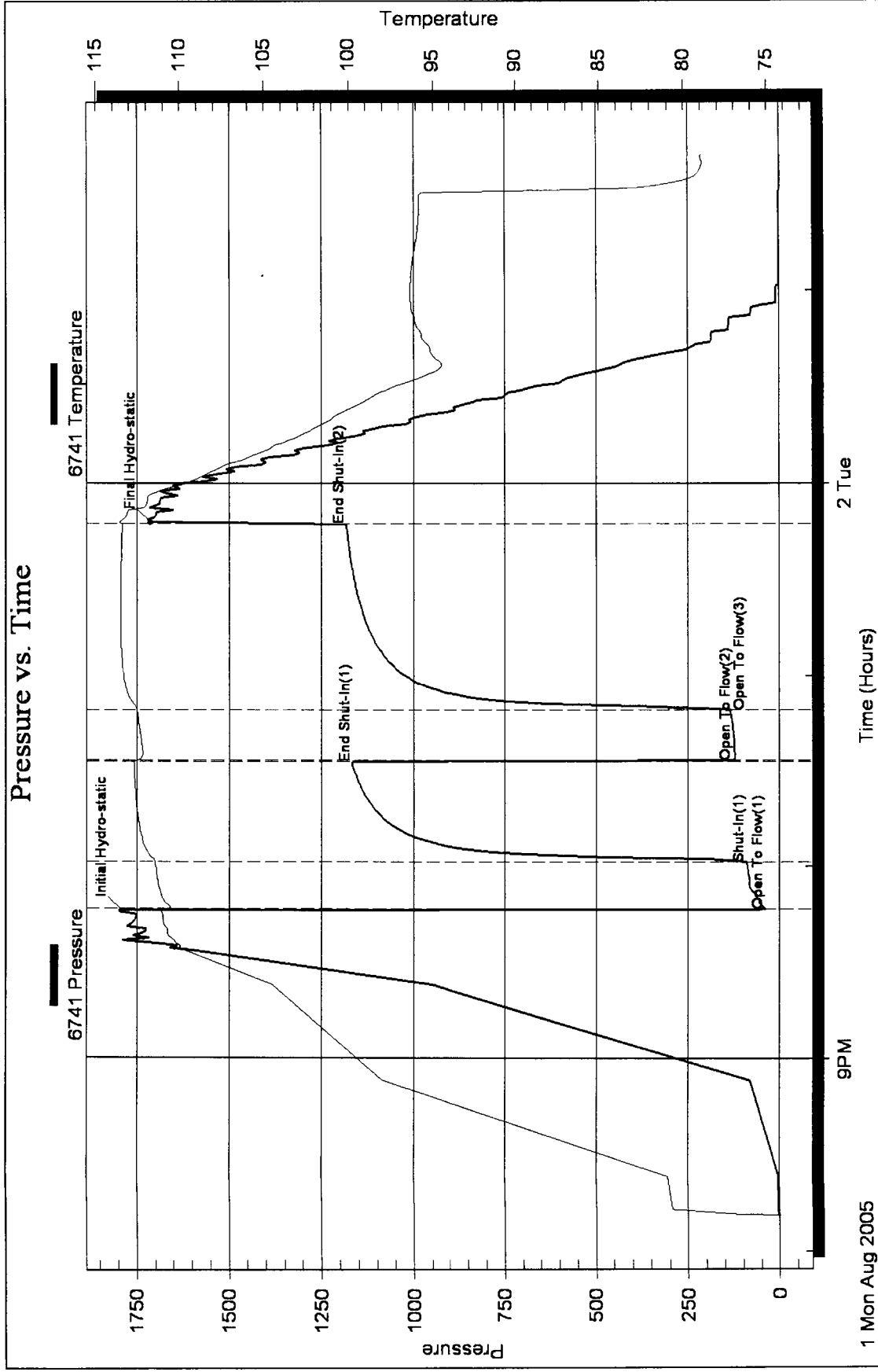
Serial #: 6741

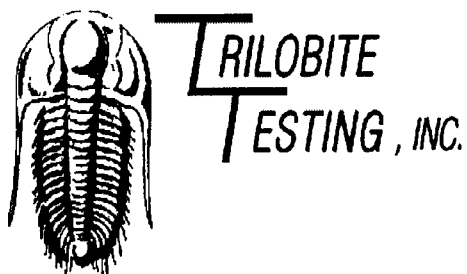
Inside

Northern Lights Oil Co.

3-6s-22w-Graham

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Northern Lights Oil Co.**

PO Box 164
Andover, Ks. 67002

ATTN: Jeff Christian

3-6s-22w-Graham

Tomanek #1

Start Date: 2005.08.02 @ 08:50:09

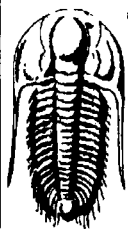
End Date: 2005.08.02 @ 14:16:39

Job Ticket #: 22065 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

Northern Lights Oil Co.

PO Box 164
Andover, Ks. 67002

ATTN: Jeff Christian

Tomanek #1

3-6s-22w-Graham

Job Ticket: 22065

DST#: 3

Test Start: 2005.08.02 @ 08:50:09

GENERAL INFORMATION:

Formation: **LKC-"E-F"**

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

Time Tool Opened: 10:34:39

Time Test Ended: 14:16:39

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3627.00 ft (KB) To 3648.00 ft (KB) (TVD)**

Total Depth: **3648.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2316.00 ft (KB)**

2311.00 ft (CF)

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

Serial #: 6741 **Inside**

Press@RunDepth: **22.88 psig @ 3630.00 ft (KB)**

Start Date: **2005.08.02**

End Date:

2005.08.02

Start Time: **08:50:11**

End Time:

14:16:39

Capacity: **7000.00 psig**

Last Calib.: **2005.08.02**

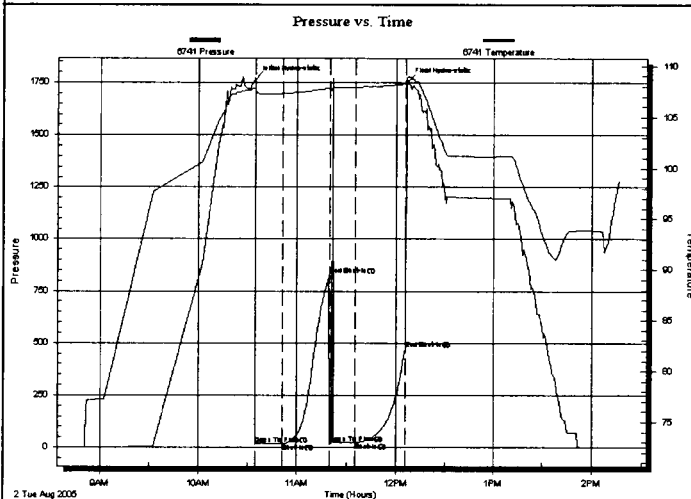
Time On Btm: **2005.08.02 @ 10:34:24**

Time Off Btm: **2005.08.02 @ 12:06:54**

TEST COMMENT: IFP-Weak Blow, Built to 1/4"

ISI-Dead

FFP-



PRESSURE SUMMARY

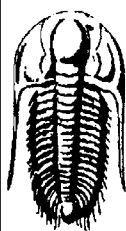
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1766.80	107.86	Initial Hydro-static
1	16.21	107.14	Open To Flow (1)
17	18.14	107.31	Shut-In(1)
46	827.61	107.83	End Shut-In(1)
46	19.85	107.65	Open To Flow (2)
62	22.88	107.92	Shut-In(2)
92	472.22	108.29	End Shut-In(2)
93	1754.46	108.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud W/Oil Spots 1%O-99%M	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Northern Lights Oil Co.

Tomanek #1

PO Box 164
Andover, Ks. 67002

3-6s-22w-Graham

Job Ticket: 22065

DST#: 3

ATTN: Jeff Christian

Test Start: 2005.08.02 @ 08:50:09

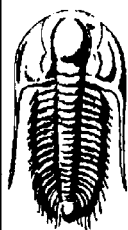
Tool Information

Drill Pipe:	Length: 3415.00 ft	Diameter: 3.80 inches	Volume: 47.90 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 213.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 48.95 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3627.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3607.00	
Shut In Tool	5.00			3612.00	
Hydraulic tool	5.00			3617.00	
Packer	5.00			3622.00	21.00 Bottom Of Top Packer
Packer	5.00			3627.00	
Stubb	1.00			3628.00	
Perforations	2.00			3630.00	
Recorder	0.00	6741	Inside	3630.00	
Perforations	15.00			3645.00	
Recorder	0.00	13252	Outside	3645.00	
Bullnose	3.00			3648.00	21.00 Bottom Packers & Anchor

Total Tool Length: 42.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Lights Oil Co.

Tomanek #1

PO Box 164
Andover, Ks. 67002

3-6s-22w-Graham

Job Ticket: 22065

DST#: 3

ATTN: Jeff Christian

Test Start: 2005.08.02 @ 08:50:09

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud W/Oil Spots 1%O-99%M	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

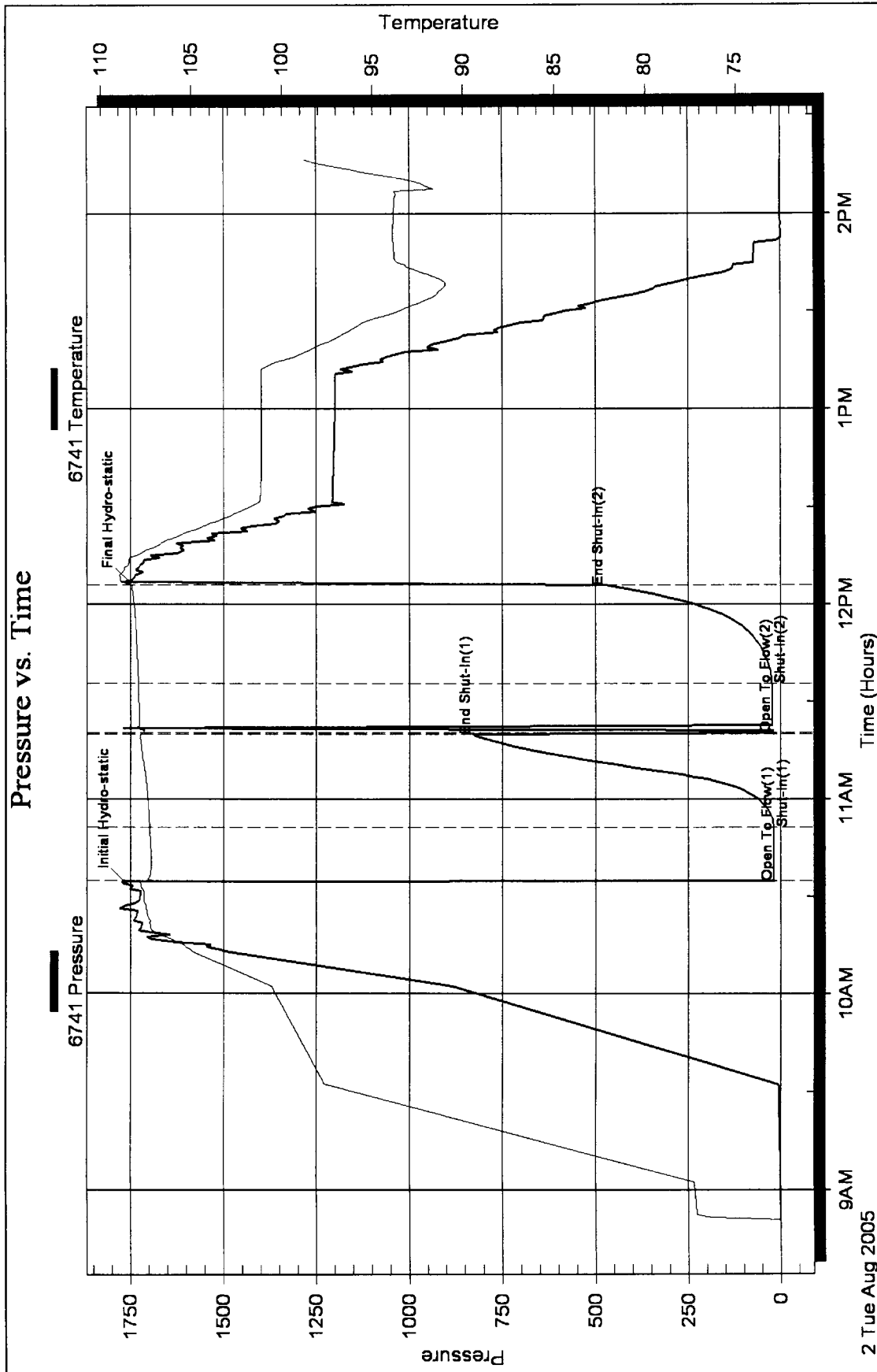
Num Gas Bombs: 0

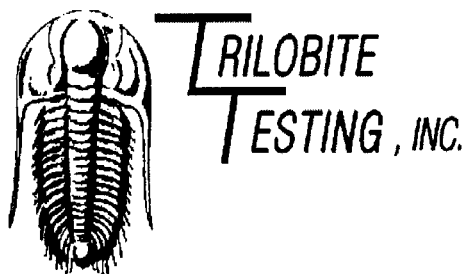
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Northern Lights Oil Co.**

PO Box 164
Andover, Ks. 67002

ATTN: Jeff Christian

3-6s-22w-Graham

Tomanek #1

Start Date: 2005.08.02 @ 23:40:38

End Date: 2005.08.03 @ 06:07:23

Job Ticket #: 22066 DST #: 4

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



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TESTING, INC.

DRILL STEM TEST REPORT

Northern Lights Oil Co.

PO Box 164
Andover, Ks. 67002

ATTN: Jeff Christian

Tomanek #1

3-6s-22w-Graham

Job Ticket: 22066

DST#: 4

Test Start: 2005.08.02 @ 23:40:38

GENERAL INFORMATION:

Formation: **LKC-"H-I-J"**

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

Time Tool Opened: 01:25:23

Time Test Ended: 06:07:23

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3666.00 ft (KB) To 3725.00 ft (KB) (TVD)**

Total Depth: **3725.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2316.00 ft (KB)**

2311.00 ft (CF)

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

Serial #: 6741

Inside

Press@RunDepth: **131.49 psig @ 3669.00 ft (KB)**

Start Date: **2005.08.02**

End Date:

2005.08.03

Start Time: **23:40:40**

End Time:

06:07:23

Capacity: **7000.00 psig**

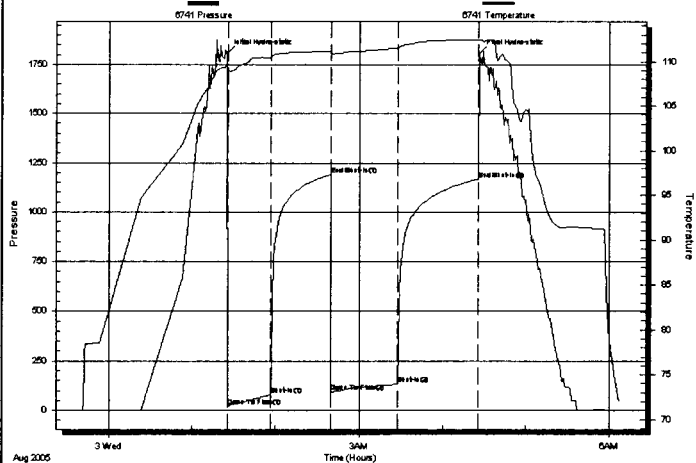
Last Calib.: **2005.08.03**

Time On Btm: **2005.08.03 @ 01:24:53**

Time Off Btm: **2005.08.03 @ 04:26:23**

TEST COMMENT: **IFP-Fair Blow ,Built to 5"**
ISI-

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1810.25	109.51	Initial Hydro-static
1	17.96	109.14	Open To Flow (1)
32	79.65	110.47	Shut-In(1)
75	1188.97	111.19	End Shut-In(1)
75	90.68	110.94	Open To Flow (2)
123	131.49	111.52	Shut-In(2)
181	1166.88	112.41	End Shut-In(2)
182	1808.15	112.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	Muddy Water	0.93

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Northern Lights Oil Co.

Tomanek #1

PO Box 164
Andover, Ks. 67002

3-6s-22w-Graham

Job Ticket: 22066

DST#: 4

ATTN: Jeff Christian

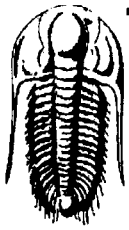
Test Start: 2005.08.02 @ 23:40:38

Tool Information

Drill Pipe:	Length: 3446.00 ft	Diameter: 3.80 inches	Volume: 48.34 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 213.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight to Pull Loose:	54000.00 lb
			Total Volume: 49.39 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	3666.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	59.00 ft				
Tool Length:	80.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3646.00	
Shut In Tool	5.00			3651.00	
Hydraulic tool	5.00			3656.00	
Packer	5.00			3661.00	21.00 Bottom Of Top Packer
Packer	5.00			3666.00	
Stubb	1.00			3667.00	
Perforations	2.00			3669.00	
Recorder	0.00	6741	Inside	3669.00	
Change Over Sub	1.00			3670.00	
Blank Spacing	31.00			3701.00	
Change Over Sub	1.00			3702.00	
Perforations	20.00			3722.00	
Recorder	0.00	13221	Outside	3722.00	
Bullnose	3.00			3725.00	59.00 Bottom Packers & Anchor
Total Tool Length:		80.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Lights Oil Co.

Tomanek #1

PO Box 164
Andover, Ks. 67002

3-6s-22w-Graham

Job Ticket: 22066

DST#: 4

ATTN: Jeff Christian

Test Start: 2005.08.02 @ 23:40:38

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity: 43000 ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	Muddy Water	0.934

Total Length: 190.00 ft

Total Volume: 0.934 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

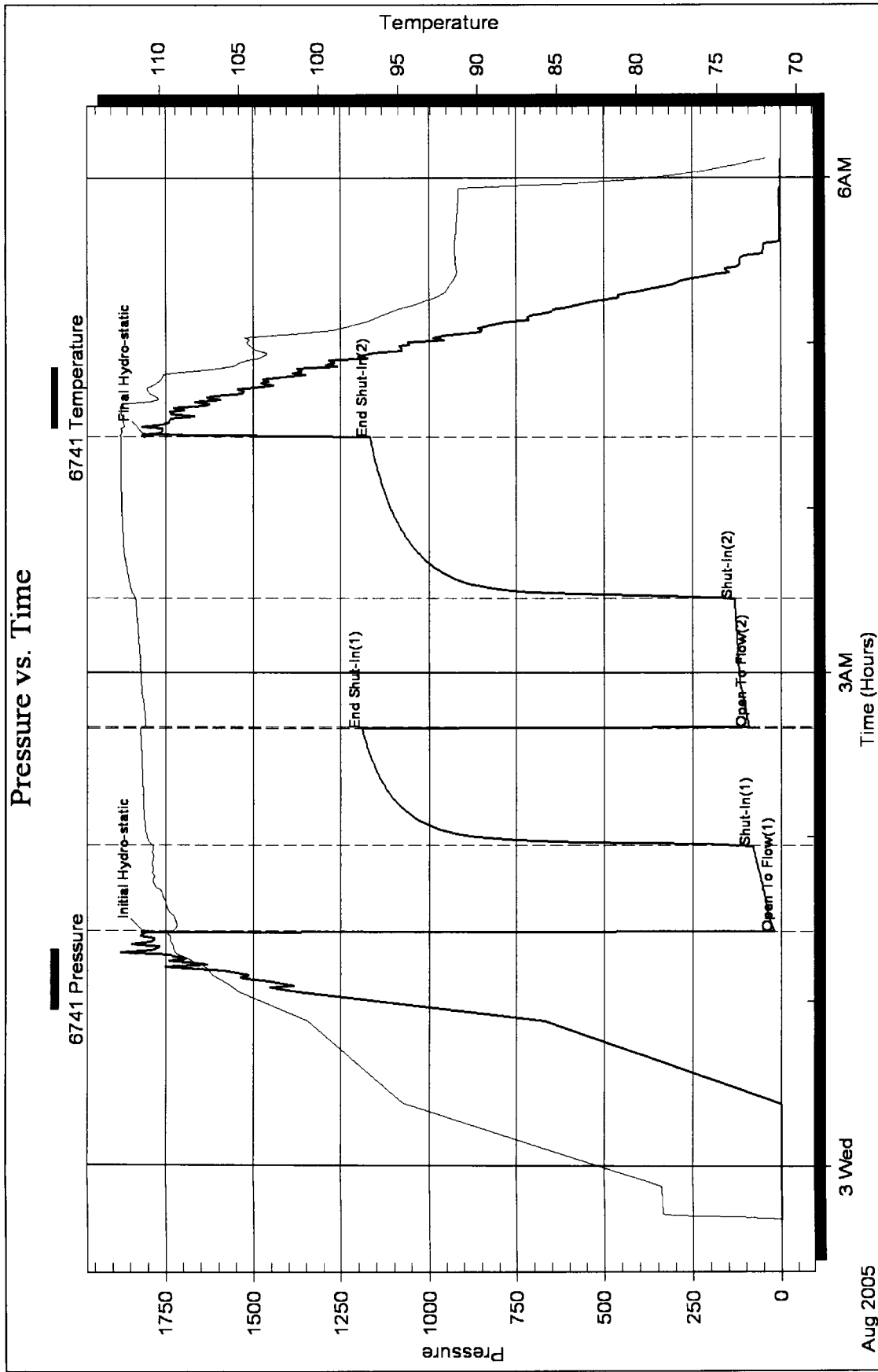
Inside

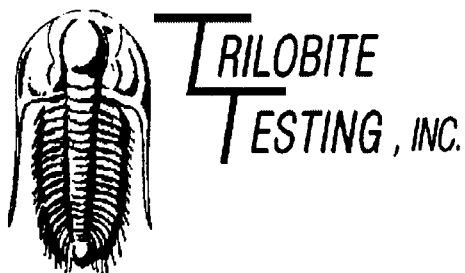
Northern Lights Oil Co.

3-6s-22w-Graham

DST Test Number: 4

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Northern Lights Oil Co.**

PO Box 164
Andover, Ks. 67002

ATTN: Jeff Christian

3-6s-22w-Graham

Tomanek #1

Start Date: 2005.08.03 @ 13:46:17

End Date: 2005.08.03 @ 18:50:32

Job Ticket #: 22067 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Northern Lights Oil Co.

PO Box 164
Andover, Ks. 67002

ATTN: Jeff Christian

Tomanek #1

3-6s-22w-Graham

Job Ticket: 22067

DST#: 5

Test Start: 2005.08.03 @ 13:46:17

GENERAL INFORMATION:

Formation: **LKC-"K-L"**

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

Time Tool Opened: 15:33:32

Time Test Ended: 18:50:32

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **32**

Interval: **3725.00 ft (KB) To 3780.00 ft (KB) (TVD)**

Total Depth: **3780.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2316.00 ft (KB)**

2311.00 ft (CF)

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

Serial #: 6741

Inside

Press@RunDepth: **75.45 psig @ 3728.00 ft (KB)**

Start Date: **2005.08.03**

End Date:

2005.08.03

Start Time: **13:46:19**

End Time:

18:50:32

Capacity: **7000.00 psig**

Last Calib.: **2005.08.03**

Time On Btm: **2005.08.03 @ 15:33:17**

Time Off Btm: **2005.08.03 @ 17:10:32**

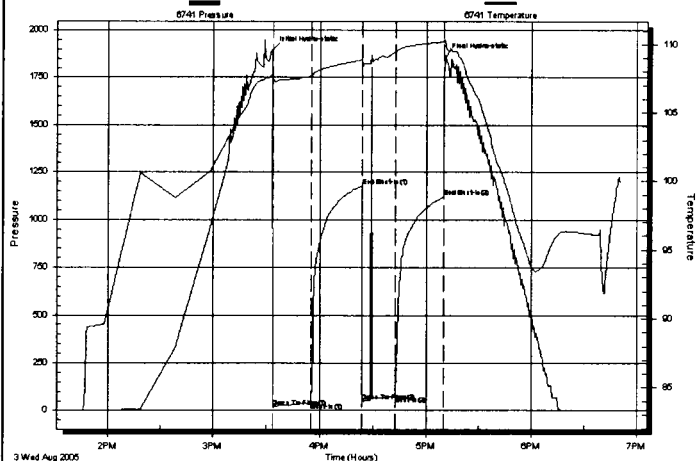
TEST COMMENT: **FP-Weak Blow , Built to 2"**

ISI-Dead

FFP-Weak Surface Blow ,Flush Tool,Surge Then Weak Blow Built to 1/4"

FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

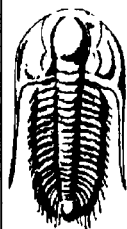
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1891.83	107.80	Initial Hydro-static
1	17.88	107.43	Open To Flow (1)
22	41.67	107.70	Shut-In(1)
51	1177.43	108.86	End Shut-In(1)
51	48.70	108.22	Open To Flow (2)
69	75.45	109.43	Shut-In(2)
97	1119.70	110.20	End Shut-In(2)
98	1860.96	110.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud W/Oil Spots in Tool	0.34

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Northern Lights Oil Co.

Tomanek #1

PO Box 164
Andover, Ks. 67002

3-6s-22w-Graham

Job Ticket: 22067

DST#: 5

ATTN: Jeff Christian

Test Start: 2005.08.03 @ 13:46:17

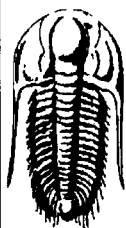
Tool Information

Drill Pipe:	Length: 3509.00 ft	Diameter: 3.80 inches	Volume: 49.22 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 213.00 ft	Diameter: 2.25 inches	Volume: 1.05 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 50.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3725.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	76.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3705.00	
Shut In Tool	5.00			3710.00	
Hydraulic tool	5.00			3715.00	
Packer	5.00			3720.00	21.00 Bottom Of Top Packer
Packer	5.00			3725.00	
Stubb	1.00			3726.00	
Perforations	2.00			3728.00	
Recorder	0.00	6741	Inside	3728.00	
Change Over Sub	1.00			3729.00	
Blank Spacing	32.00			3761.00	
Change Over Sub	1.00			3762.00	
Perforations	15.00			3777.00	
Recorder	0.00	13221	Outside	3777.00	
Bullnose	3.00			3780.00	55.00 Bottom Packers & Anchor

Total Tool Length: 76.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Lights Oil Co.

Tomanek #1

PO Box 164
Andover, Ks. 67002

3-6s-22w-Graham

Job Ticket: 22067

DST#: 5

ATTN: Jeff Christian

Test Start: 2005.08.03 @ 13:46:17

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud W/Oil Spots in Tool	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

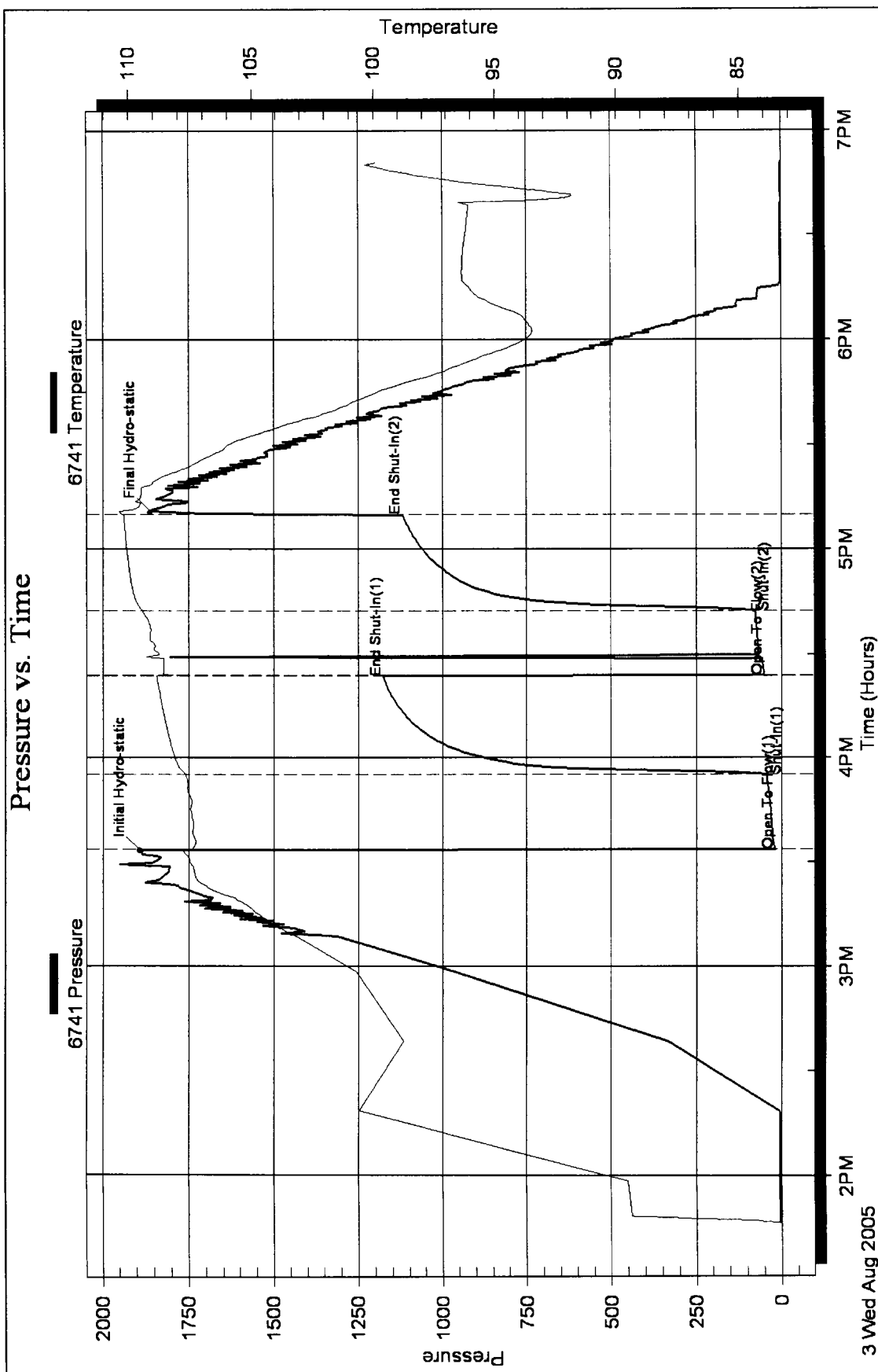
Serial #:

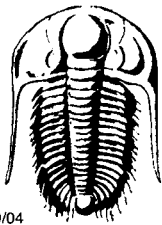
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22063

12W
7752

Test Ticket

Well Name & No. Tomanek #1 Test No. 1 Date 8-1-05
 Company Northern Lights Oil Co. Zone Tested Toronto
 Address PO Box 164, Andover, Ks 67002 Elevation 2316 KB 2311 GL
 Co. Rep / Geo. Jeff Christian Cont. Mallard Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 3 Twp. 6s Rge. 22w Co. Graham State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3525 - 3566 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 52,000
 Anchor Length 41' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3520 Tool Weight 2200
 Bottom Packer Depth 3525 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 3566 Wt. Pipe Run _____ Drill Collar Run 213
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 KH Ft. Run 3323
 Blow Description IFP - Fair Blow, BOB in 19 min.
ISI - Blowback Built to 2"
FFP - Good Blow, BOB in 15 min.
FSI -

Recovery - Total Feet 450 GIP 300 Ft. in DC _____ Ft. in DP _____
 Rec. 225 Feet of Clean Oil %gas _____ %oil _____ %water _____ %mud _____
 Rec. 105 Feet of Foamy Muddy Oil 50 %gas 45 %oil _____ %water 5 %mud _____
 Rec. 120 Feet of Foamy oil w/muddy str. 35 %gas 45 %oil 10 %water 10 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 113° °F Gravity 29 °API D @ 80 °F Corrected Gravity 27 °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1711	PSI	6741	✓ 950
(B) First Initial Flow Pressure	17	PSI	(depth) 3528	Jars
(C) First Final Flow Pressure	73	PSI	Recorder No. 13221	Safety Jt.
(D) Initial Shut-In Pressure	1216	PSI	(depth) 3563	Circ Sub
(E) Second Initial Flow Pressure	145	PSI	Recorder No.	Sampler
(F) Second Final Flow Pressure	162	PSI	(depth)	Straddle
(G) Final Shut-In Pressure	1215	PSI	Initial Opening 30	Ext. Packer
(Q) Final Hydrostatic Mud	1664	PSI	Initial Shut-In 45	Shale Packer

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Approved By _____

Our Representative G. Mc Lemon

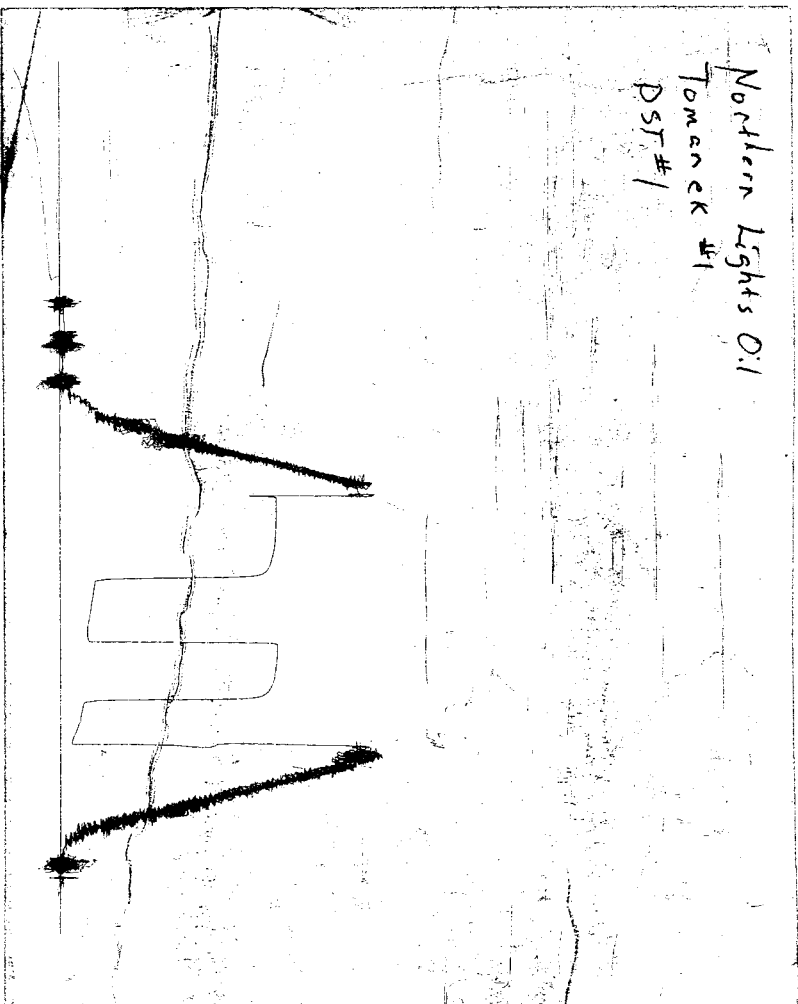
Final Flow 4.5
 Final Shut-In 60
 T-On Location 11:50
 T-Started 3:12
 T-Open 4:53
 T-Pulled 7:53
 T-Out 10:00

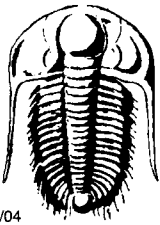
Ruined Packer _____
 Mileage 160 round trip
 Sub Total: 1110
 Std. By _____
 Other _____
 Total: _____

Thank you

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22064

Test Ticket

Well Name & No. <u>Tomaneck #1</u>	Test No. <u>2</u>	Date <u>8-1-05</u>
Company <u>Northern Lights Oil Co.</u>	Zone Tested <u>Toronto B+D</u>	
Address <u>PO Box 164, Andover, KS 67002</u>	Elevation <u>2316</u>	KB <u>2311</u> GL
Co. Rep / Geo. <u>Jeff Christian</u>	Cont. <u>Mallard</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>3</u>	Twp. <u>6s</u>	Rge. <u>22w</u> Co. <u>Graham</u> State <u>Ks</u>
No. of Copies <u>Reg</u>	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3590 - 3627</u>	Initial Str Wt./Lbs. <u>50,000</u>	Unseated Str Wt./Lbs. <u>52,000</u>
Anchor Length <u>37'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>55,000</u>
Top Packer Depth <u>3585</u>	Tool Weight <u>2200</u>	
Bottom Packer Depth <u>3590</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3627</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>213</u>
Mud Wt. _____ LCM _____ Vis. _____ WL _____	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3384</u>
Blow Description <u>IFP - Strong Blow, BOB in 6 min</u>		
<u>ISI - Blowback Built to 5"</u>		

<u>FFP - Strong Blow, BOB in 5 min</u>	
<u>FSI - Blowback Built to BOB in 20 min.</u>	
Recovery - Total Feet <u>430</u>	GIP <u>560</u> Ft. in DC <u>213</u> Ft. in DP <u>217</u>
Rec. <u>310</u>	Feet of <u>Clean Oil</u> %gas _____ %oil _____ %water _____ %mud _____
Rec. <u>120</u>	Feet of <u>Muddy Frothy Oil</u> 35 %gas <u>35</u> %oil _____ %water _____ %mud <u>30</u>
Rec. _____	Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____	Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
Rec. _____	Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
BHT <u>113</u>	°F Gravity <u>40</u> °API D @ <u>80</u> °F Corrected Gravity <u>38</u> °API
RW _____ @ _____ °F	Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

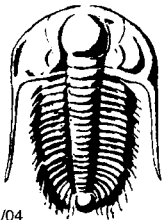
(A) Initial Hydrostatic Mud	AK-1 <u>1792</u> PSI	Alpine <u>1792</u> PSI	Recorder No. <u>6741</u>	Test <u>✓</u> <u>950</u>
(B) First Initial Flow Pressure	<u>39</u> PSI		(depth) <u>3594</u>	Jars _____
(C) First Final Flow Pressure	<u>92</u> PSI		Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1167</u> PSI		(depth) <u>3624</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>128</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>135</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1183</u> PSI	Initial Opening <u>15</u>		Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1714</u> PSI	Initial Shut-In <u>30</u>		Shale Packer _____
		Final Flow <u>15</u>		Ruined Packer _____
		Final Shut-In <u>60</u>		Mileage <u>41 round trip 41</u>
		T-On Location <u>19:30</u>		Sub Total: <u>991</u>
		T-Started <u>20:11</u>		Std. By _____
		T-Open <u>21:46</u>		Other _____
		T-Pulled <u>23:46</u>		Total: _____
		T-Out <u>1:45</u>		

Approved By _____

Our Representative J. Mc Lamou

Thank You

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22065

Test Ticket

Well Name & No. Tomanek #1 Test No. 3 Date 8-2-05
 Company Northern Lights Oil Co. Zone Tested LKC E&F
 Address PO Box 164, Andover, Ks. 67002 Elevation 2316 KB 2311 GL
 Co. Rep / Geo. Jeff Christian Cont. Malland Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 3 Twp. 6s Rge. 22w Co. Graham State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

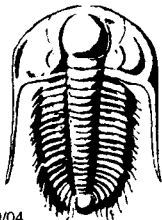
Interval Tested 3627 - 3648 Initial Str Wt./Lbs. 5200 Unseated Str Wt./Lbs. _____
 Anchor Length 21' Wt. Set Lbs. 2500 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 3622 Tool Weight 2200
 Bottom Packer Depth 3627 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3648 Wt. Pipe Run 0 Drill Collar Run 213
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 XH Ft. Run _____
 Blow Description IFP- Weak Blow, Built to 1/4",
ISI- Dead.
FFP- Weak Surface Blow, Flush tool, Weak Surface blow.
FSI Dead

Recovery - Total Feet _____ GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1767 PSI	Recorder No.	6741	Test	✓	950
(B) First Initial Flow Pressure			16 PSI	(depth)	3630	Jars		
(C) First Final Flow Pressure			18 PSI	Recorder No.	13221	Safety Jt.		
(D) Initial Shut-In Pressure			828 PSI	(depth)	3645	Circ Sub		
(E) Second Initial Flow Pressure			20 PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure			23 PSI	(depth)		Straddle		
(G) Final Shut-In Pressure			472 PSI	Initial Opening	15	Ext. Packer		
(Q) Final Hydrostatic Mud			1754 PSI	Initial Shut-In	30	Shale Packer		
				Final Flow	15	Ruined Packer		
				Final Shut-In	30	Mileage	41	41
				T-On Location	8:35	Sub Total:		991
				T-Started	8:50	Std. By		
				T-Open	10:35	Other		
				T-Pulled	12:05	Total:		
				T-Out	14:17			

Approved By _____
 Our Representative J. McLammon *Thank you*

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22066

Test Ticket

Well Name & No. Tomane K #1 Test No. 4 Date 8-2-05
 Company Northern Lights Oil Co. Zone Tested LKC "H-I-J"
 Address PO Box 164, Andover, Ks, 67002 Elevation 2316 KB 2311 GL
 Co. Rep / Geo. Jeff Christian Cont. Mallard Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 3 Twp. 6s Rge. 22w Co. Graham State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3666 - 3725 Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. _____
 Anchor Length 59' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 3661 Tool Weight 2200
 Bottom Packer Depth 3666 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3725 Wt. Pipe Run 0 Drill Collar Run 213
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 XH Ft. Run 3446
 Blow Description IFP- Fair Blow, Built to 5"
ISI- Dead
FFP- Weak Blow, Built to 3"
FSI- Dead

Recovery - Total Feet 190 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 190 Feet of Muddy Water %gas _____ %oil 65 %water 35 %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 1165 @ 71 °F Chlorides 43,000 ppm Recovery _____ Chlorides 3,200 ppm System

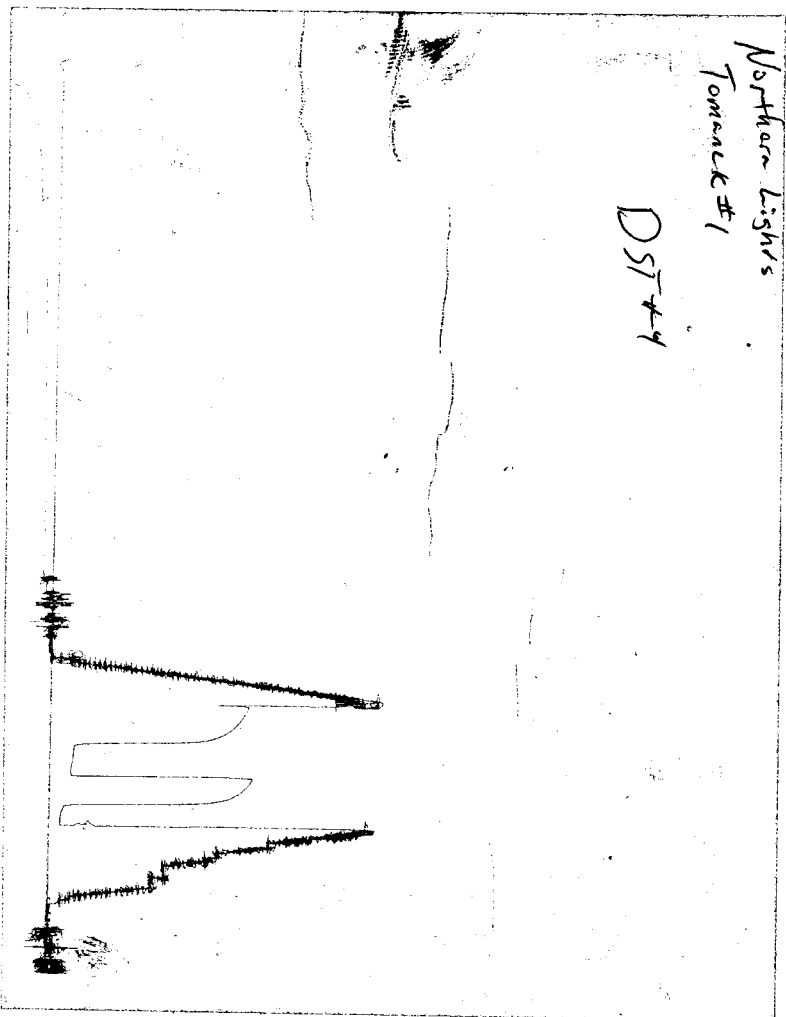
AK-1	Alpine	PSI	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1810</u>	PSI	<u>6741</u>	✓ <u>950</u>
(B) First Initial Flow Pressure	<u>18</u>	PSI	(depth) <u>3670</u>	Jars _____
(C) First Final Flow Pressure	<u>80</u>	PSI	Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1189</u>	PSI	(depth) <u>3722</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>91</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>131</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1167</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1808</u>	PSI	Initial Shut-In <u>45</u>	Shale Packer _____
			Final Flow <u>45</u>	Ruined Packer _____
			Final Shut-In <u>60</u>	Mileage <u>91</u>
			T-On Location <u>22:30</u>	Sub Total: <u>991</u>
			T-Started <u>23:40</u>	Std. By _____
			T-Open <u>1:24</u>	Other _____
			T-Pulled <u>4:24</u>	Total: _____
			T-Out <u>6:05</u>	

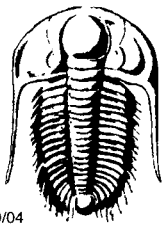
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By _____
 Our Representative J. Mc Lemmon *Thank you*

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22067

Test Ticket

Well Name & No. Tomanek #1 Test No. 5 Date 8-3-05
 Company Northern Lights Oil Co. Zone Tested LKC "K-L"
 Address PO Box 164, Andover, Ks. 67002 Elevation 2316 KB 2311 GL
 Co. Rep / Geo. Jeff Christian Cont. Mallard Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 3 Twp. 6s Rge. 22w Co. Graham State Ks
 No. of Copies Reg Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3725 - 3780 Initial Str Wt./Lbs. 52,000 Unseated Str Wt./Lbs. 52,000
 Anchor Length 55' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3720 Tool Weight 2200
 Bottom Packer Depth 3725 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3780 Wt. Pipe Run 0 Drill Collar Run 213
 Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 XH Ft. Run 3509
 Blow Description IFP - Weak Blow, Built to 2"

ISI - Dead
FFP - Weak Surface Blow, Flush Tool after 5, Surge, Weak Blow, Built to 1/2"
FSI - Dead

Recovery - Total Feet 70 GIP _____ Ft. in DC _____ Ft. in DP _____
 Rec. 70 Feet of (Mud w/oil spots in) %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of Tool %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1892</u> PSI	<u>6741</u>	✓ <u>90</u>
(B) First Initial Flow Pressure	<u>18</u> PSI	(depth) <u>3729</u>	Jars _____
(C) First Final Flow Pressure	<u>42</u> PSI	Recorder No. <u>13221</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1177</u> PSI	(depth) <u>3779</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>49</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>75</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1120</u> PSI	Initial Opening <u>20</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1861</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____
		Final Flow <u>15</u>	Ruined Packer _____
		Final Shut-In <u>30</u>	Mileage <u>41</u>
		T-On Location <u>13:10</u>	Sub Total: <u>991</u>
		T-Started <u>13:46</u>	Std. By _____
		T-Open <u>15:33</u>	Other _____
		T-Pulled <u>17:08</u>	Total: _____
		T-Out <u>18:50</u>	

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Approved By _____
 Our Representative J. Mc Lomon *Thank you*

CHART PAGE
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