

DRILL STEM TEST REPORT

Prepared For: **Northern Lights Oil**

Po Box 164
Andover KS 67002-0134

ATTN: Kurt Smith

11-6s-22w Graham

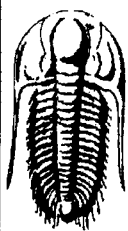
Henry #2

Start Date: 2005.07.22 @ 23:43:31

End Date: 2005.07.23 @ 06:23:16

Job Ticket #: 22169 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
Po Box 164
Andover KS 67002-0134
ATTN: Kurt Smith

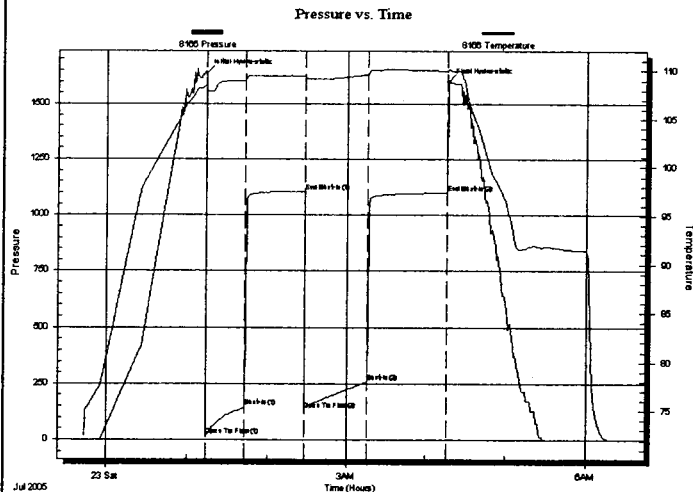
Henry #2
11-6s-22w Graham
Job Ticket: 22169 **DST#: 1**
Test Start: 2005.07.22 @ 23:43:31

GENERAL INFORMATION:

Formation: **OREAD**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 01:13:46
Time Test Ended: 06:23:16
Test Type: **Conventional Bottom Hole**
Tester: **Mchael**
Unit No: **15**
Interval: **3388.00 ft (KB) To 3436.00 ft (KB) (TVD)**
Reference Elevations: **2245.00 ft (KB)**
Total Depth: **3436.00 ft (KB) (TVD)**
2240.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
KB to GR/CF: **5.00 ft**

Serial #: 8166 **Inside**
Press@RunDepth: **257.13 psig @ 3396.00 ft (KB)**
Capacity: **7000.00 psig**
Start Date: **2005.07.22** End Date: **2005.07.23** Last Calib.: **2005.07.23**
Start Time: **23:43:32** End Time: **06:23:16** Time On Btm: **2005.07.23 @ 01:13:31**
Time Off Btm: **2005.07.23 @ 04:16:31**

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



PRESSURE SUMMARY

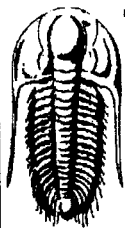
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1638.31	108.42	Initial Hydro-static
1	16.47	107.96	Open To Flow (1)
30	144.09	108.99	Shut-In(1)
74	1106.09	109.49	End Shut-In(1)
74	132.56	108.92	Open To Flow (2)
122	257.13	109.58	Shut-In(2)
183	1100.02	109.98	End Shut-In(2)
183	1600.35	110.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	Oil & Mud cut Water 2%o 10% m 88% w	1.45
150.00	Oil & Water cut mud 20%o 30% w 50% m	2.10
150.00	Clean oil	2.10
0.00	120 GIP Water 125000 Ch	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

Northern Lights Oil

Henry #2

Po Box 164
Andover KS 67002-0134

11-6s-22w Graham

Job Ticket: 22169

DST#: 1

ATTN: Kurt Smith

Test Start: 2005.07.22 @ 23:43:31

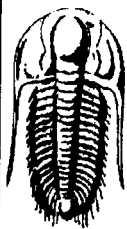
Tool Information

Drill Pipe:	Length: 3170.00 ft	Diameter: 3.80 inches	Volume: 44.47 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	45.50 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3388.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	69.00 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			3368.00	
Shut In Tool	5.00			3373.00	
Hydraulic tool	5.00			3378.00	
Packer	5.00			3383.00	21.00 Bottom Of Top Packer
Packer	5.00			3388.00	
Blank Spacing	1.00			3389.00	
Perforations	6.00			3395.00	
Change Over Sub	1.00			3396.00	
Recorder	0.00	8166	Inside	3396.00	
Drill Pipe	31.00			3427.00	
Change Over Sub	1.00			3428.00	
Recorder	0.00	10991	Outside	3428.00	
Perforations	5.00			3433.00	
Bullnose	3.00			3436.00	48.00 Bottom Packers & Anchor

Total Tool Length: 69.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Lights Oil

Henry #2

Po Box 164
Andover KS 67002-0134

11-6s-22w Graham

Job Ticket: 22169

DST#: 1

ATTN: Kurt Smith

Test Start: 2005.07.22 @ 23:43:31

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: lb/gal

Viscosity: sec/qt

Water Loss: in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	Oil & Mud cut Water 2%o 10%m 88%w	1.454
150.00	Oil & Water cut mud 20%o 30%w 50%m	2.104
150.00	Clean oil	2.104
0.00	120 GIP Water 125000 Ch	0.000

Total Length: 540.00 ft

Total Volume: 5.662 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

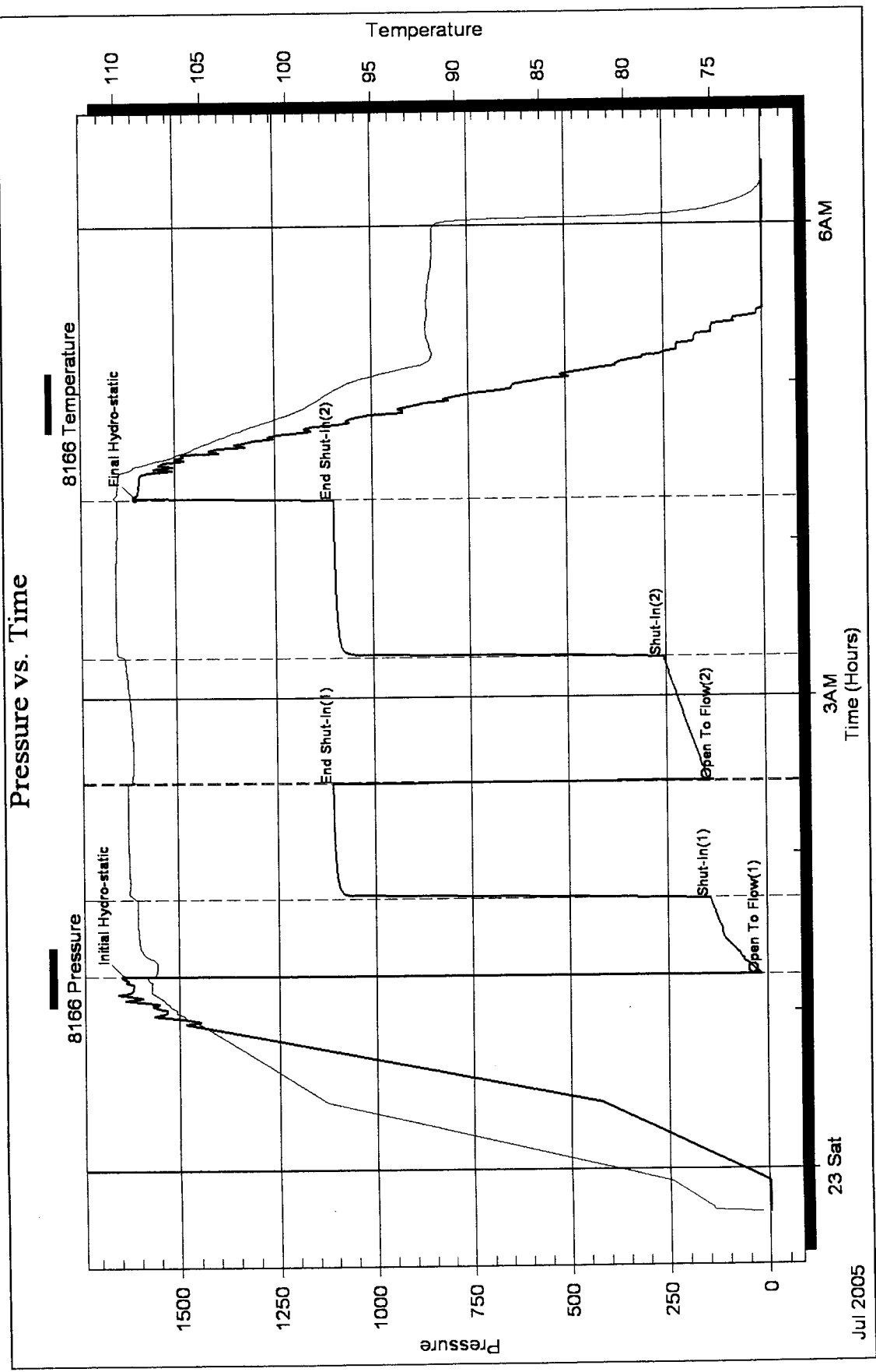
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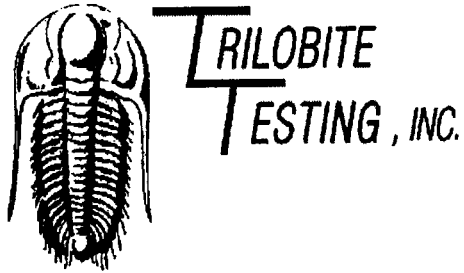
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Northern Lights Oil**

Po Box 164
Andover KS 67002-0134

ATTN: Kurt Smith

11-6s-22w Graham

Henry #2

Start Date: 2005.07.23 @ 11:55:20

End Date: 2005.07.23 @ 16:56:50

Job Ticket #: 22170 DST #: 2

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
Po Box 164
Andover KS 67002-0134
ATTN: Kurt Smith

Henry #2

11-6s-22w Graham

Job Ticket: 22170

DST#: 2

Test Start: 2005.07.23 @ 11:55:20

GENERAL INFORMATION:

Formation: **Toronto**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 13:35:20
Time Test Ended: 16:56:50

Test Type: **Conventional Bottom Hole**

Tester: **Michael**

Unit No: **15**

Interval: **3438.00 ft (KB) To 3486.00 ft (KB) (TVD)**
Total Depth: **3486.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2245.00 ft (KB)**
2240.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8166

Inside

Press@RunDepth: **256.04 psig @ 3446.00 ft (KB)**

Start Date: **2005.07.23**

End Date:

2005.07.23

Start Time: **11:55:21**

End Time:

16:56:50

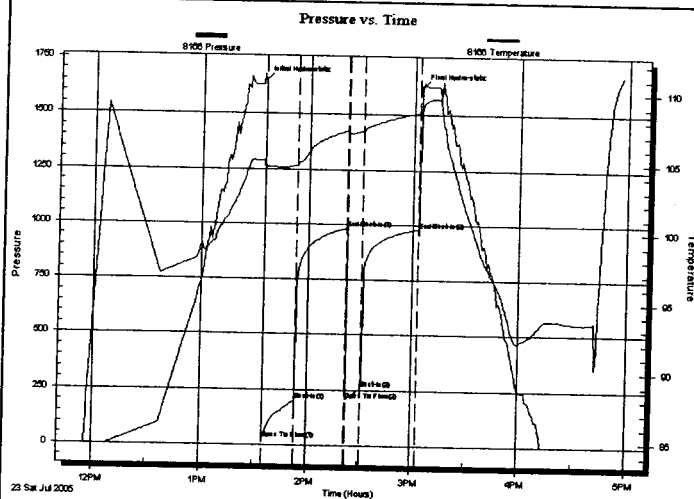
Capacity: **7000.00 psig**

Last Calib.: **2005.07.23**

Time On Btm: **2005.07.23 @ 13:34:50**

Time Off Btm: **2005.07.23 @ 15:04:05**

TEST COMMENT: **IF- B of B 5m**
ISI- No blow
FF- B of B 6m



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1651.09	105.20	Initial Hydro-static
1	27.22	104.33	Open To Flow (1)
19	200.14	104.79	Shut-In (1)
48	980.56	107.31	End Shut-In (1)
48	206.97	107.12	Open To Flow (2)
57	256.04	107.27	Shut-In (2)
89	979.43	108.61	End Shut-In (2)
90	1624.01	108.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	Salt water 90000 Chl	3.14
90.00	mud cut Salt water	1.26
75.00	Drilling mud	1.05

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

Henry #2

Po Box 164
Andover KS 67002-0134

11-6s-22w Graham

Job Ticket: 22170

DST#: 2

ATTN: Kurt Smith

Test Start: 2005.07.23 @ 11:55:20

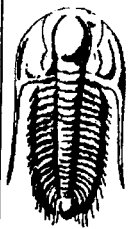
Tool Information

Drill Pipe:	Length: 3227.00 ft	Diameter: 3.80 inches	Volume: 45.27 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	50000.00 lb
			Total Volume: 46.30 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3438.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	69.00 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			3418.00	
Shut In Tool	5.00			3423.00	
Hydraulic tool	5.00			3428.00	
Packer	5.00			3433.00	21.00 Bottom Of Top Packer
Packer	5.00			3438.00	
Blank Spacing	1.00			3439.00	
Perforations	6.00			3445.00	
Change Over Sub	1.00			3446.00	
Recorder	0.00	8166	Inside	3446.00	
Drill Pipe	31.00			3477.00	
Change Over Sub	1.00			3478.00	
Recorder	0.00	10991	Outside	3478.00	
Perforations	5.00			3483.00	
Bullnose	3.00			3486.00	48.00 Bottom Packers & Anchor

Total Tool Length: 69.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Lights Oil

Henry #2

Po Box 164
Andover KS 67002-0134

11-6s-22w Graham

Job Ticket: 22170

DST#: 2

ATTN: Kurt Smith

Test Start: 2005.07.23 @ 11:55:20

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 8.97 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	Salt water 90000 Chl	3.137
90.00	mud cut Salt water	1.262
75.00	Drilling mud	1.052

Total Length: 525.00 ft

Total Volume: 5.451 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

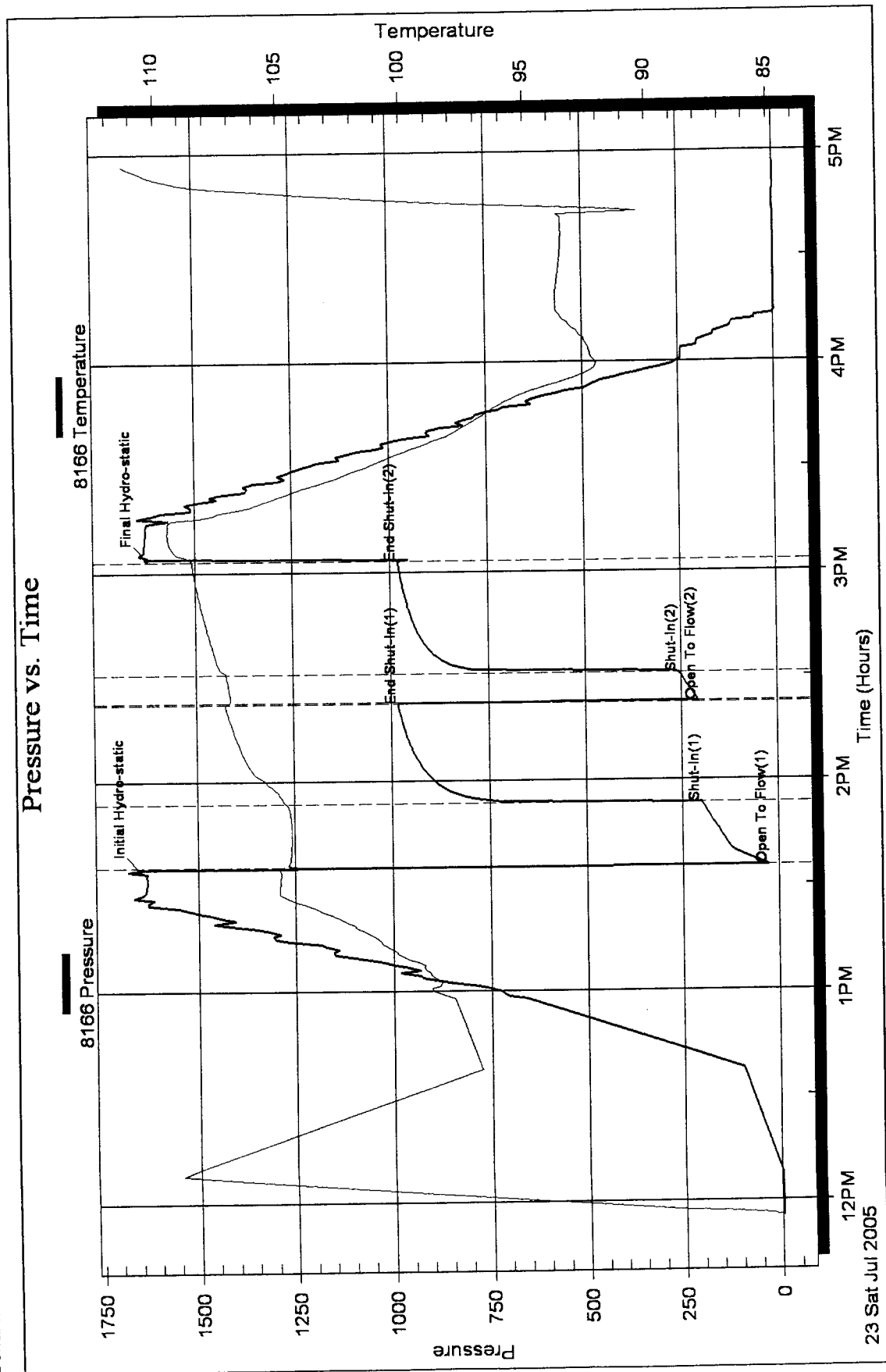
Serial #:

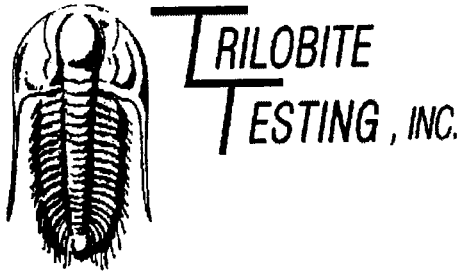
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Northern Lights Oil**

Po Box 164
Andover KS 67002-0134

ATTN: Kurt Smith

11-6s-22w Graham

Henry #2

Start Date: 2005.07.24 @ 01:10:40

End Date: 2005.07.24 @ 06:28:25

Job Ticket #: 22171 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Northern Lights Oil

Henry #2

11-6s-22w Graham

DST # 3

KC A-B

2005.07.24



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Northern Lights Oil

Po Box 164
Andover KS 67002-0134

ATTN: Kurt Smith

Henry #2

11-6s-22w Graham

Job Ticket: 22171

DST#: 3

Test Start: 2005.07.24 @ 01:10:40

GENERAL INFORMATION:

Formation: KC A-B

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:58:40

Time Test Ended: 06:28:25

Test Type: Conventional Bottom Hole

Tester: Michael

Unit No: 15

Interval: 3488.00 ft (KB) To 3536.00 ft (KB) (TVD)

Total Depth: 3536.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2245.00 ft (KB)

2240.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166

Inside

Press@RunDepth: 274.58 psig @ 3496.00 ft (KB)

Start Date: 2005.07.24

End Date:

2005.07.24

Start Time: 01:10:41

End Time:

06:28:25

Capacity: 7000.00 psig

Last Calib.: 2005.07.24

Time On Btm: 2005.07.24 @ 02:58:10

Time Off Btm: 2005.07.24 @ 04:23:40

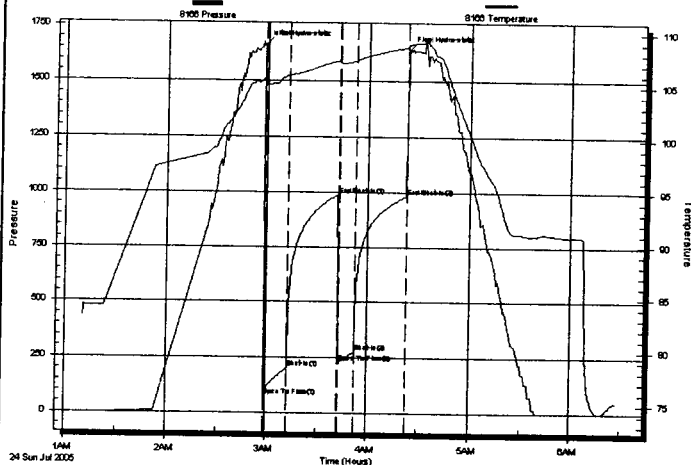
TEST COMMENT: IF- B of B 3m 30s

ISI No blow

FF- B of B 4m

FS- No blow

Pressure vs. Time



PRESSURE SUMMARY

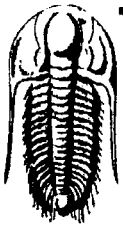
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.44	105.67	Initial Hydro-static
1	72.85	105.24	Open To Flow (1)
15	201.04	106.04	Shut-In(1)
45	989.01	107.41	End Shut-In(1)
45	226.69	107.20	Open To Flow (2)
55	274.58	107.36	Shut-In(2)
85	982.54	108.62	End Shut-In(2)
86	1641.18	108.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	Salt water 70,000 Chl	2.30
120.00	Muddy Saltwater 40m 60w	1.68
130.00	Muddy Saltwater 50m 50w	1.82

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

Henry #2

Po Box 164
Andover KS 67002-0134

11-6s-22w Graham

Job Ticket: 22171

DST#: 3

ATTN: Kurt Smith

Test Start: 2005.07.24 @ 01:10:40

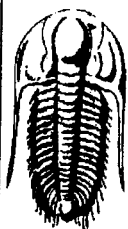
Tool Information

Drill Pipe:	Length: 3264.00 ft	Diameter: 3.80 inches	Volume: 45.79 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	85000.00 lb
		Total Volume:	46.82 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3488.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	69.00 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			3468.00	
Shut In Tool	5.00			3473.00	
Hydraulic tool	5.00			3478.00	
Packer	5.00			3483.00	21.00 Bottom Of Top Packer
Packer	5.00			3488.00	
Blank Spacing	1.00			3489.00	
Perforations	6.00			3495.00	
Change Over Sub	1.00			3496.00	
Recorder	0.00	8166	Inside	3496.00	
Drill Pipe	31.00			3527.00	
Change Over Sub	1.00			3528.00	
Recorder	0.00	10991	Outside	3528.00	
Perforations	5.00			3533.00	
Bullnose	3.00			3536.00	48.00 Bottom Packers & Anchor

Total Tool Length: 69.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Lights Oil

Henry #2

Po Box 164
Andover KS 67002-0134

11-6s-22w Graham

Job Ticket: 22171

DST#: 3

ATTN: Kurt Smith

Test Start: 2005.07.24 @ 01:10:40

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 8.97 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	Salt water 70,000 Chl	2.295
120.00	Muddy Saltwater 40m 60w	1.683
130.00	Muddy Saltwater 50m 50w	1.824

Total Length: 550.00 ft Total Volume: 5.802 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

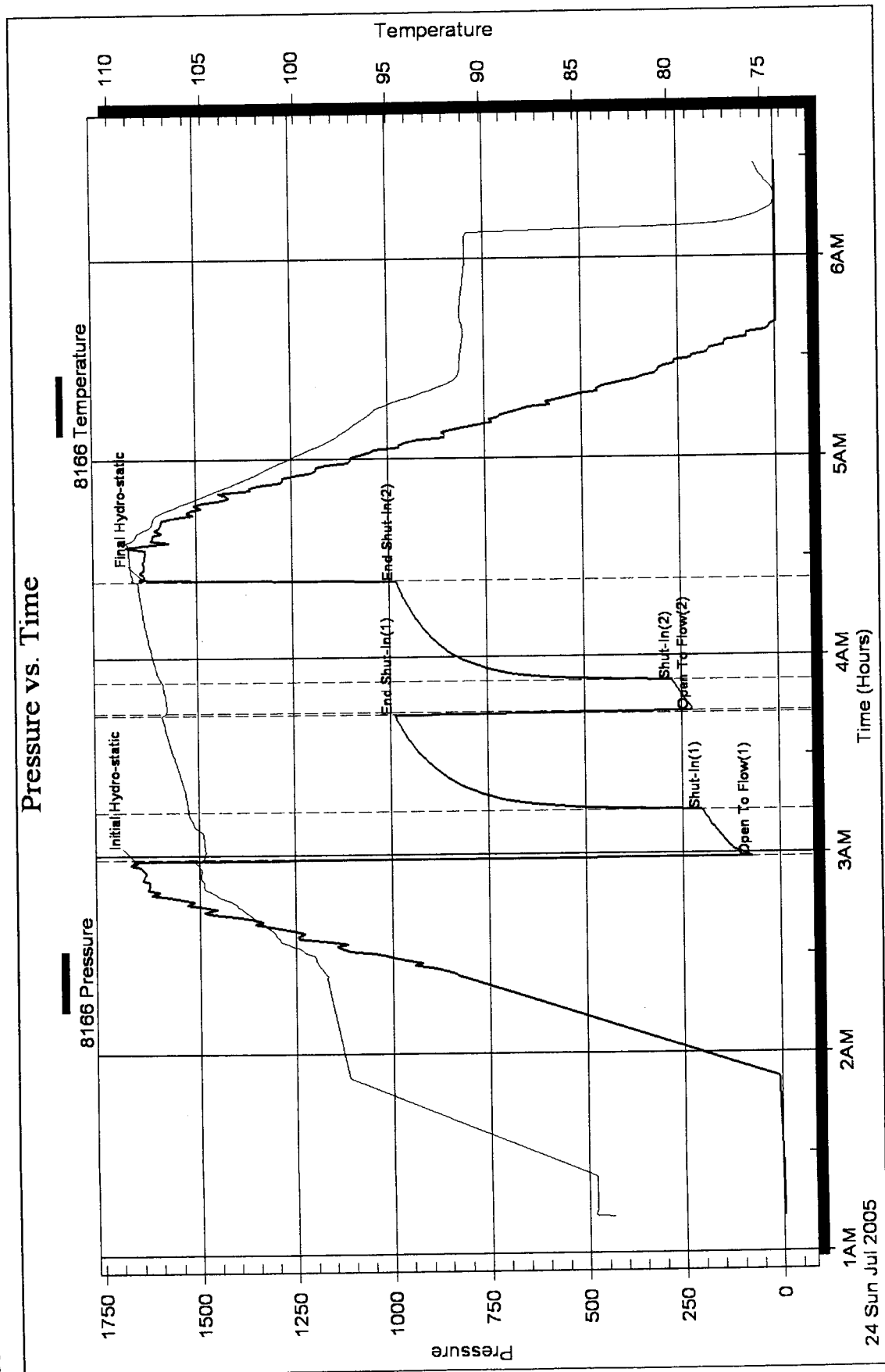
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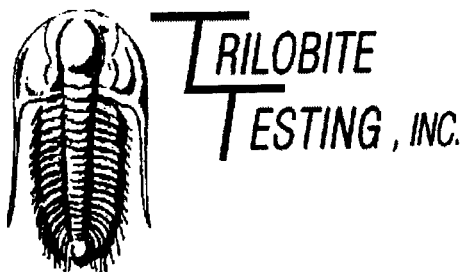
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Northern Lights Oil**

Po Box 164
Andover KS 67002-0134

ATTN: Kurt Smith

11-6s-22w Graham

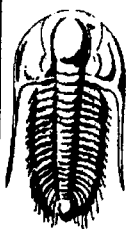
Henry #2

Start Date: 2005.07.24 @ 10:40:27

End Date: 2005.07.24 @ 16:40:27

Job Ticket #: 22172 DST #: 4

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

Henry #2

Po Box 164
Andover KS 67002-0134

11-6s-22w Graham

Job Ticket: 22172

DST#: 4

ATTN: Kurt Smith

Test Start: 2005.07.24 @ 10:40:27

GENERAL INFORMATION:

Formation: KC--E-F

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:03:42

Time Test Ended: 16:40:27

Test Type: Conventional Bottom Hole

Tester: Michael

Unit No: 15

Interval: 3532.00 ft (KB) To 3563.00 ft (KB) (TVD)

Total Depth: 3563.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2245.00 ft (KB)

2240.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166 Inside

Press@RunDepth: 139.12 psig @ 3538.00 ft (KB)

Start Date: 2005.07.24

End Date:

2005.07.24

Start Time: 10:40:28

End Time:

16:40:27

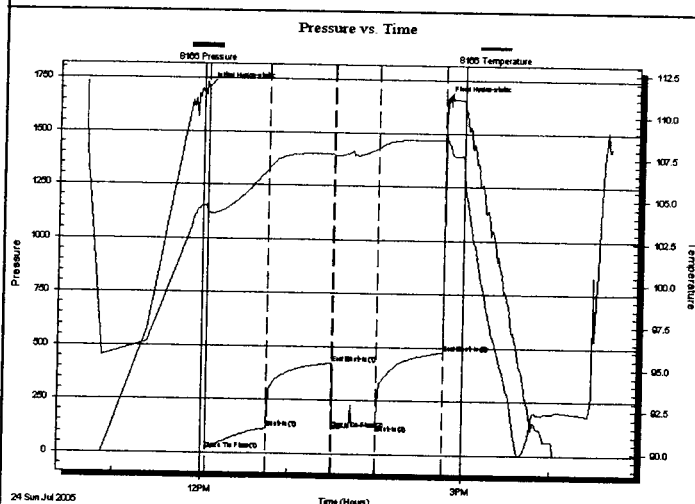
Capacity: 7000.00 psig

Last Calib.: 2005.07.24

Time On Btm: 2005.07.24 @ 12:03:12

Time Off Btm: 2005.07.24 @ 14:46:57

TEST COMMENT: IF- Slow building blow to 10" in 45m
IS- no blow
FF- weak surface blow building to 1"



PRESSURE SUMMARY

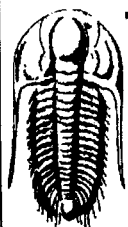
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1712.08	104.60	Initial Hydro-static
1	14.86	104.13	Open To Flow (1)
42	114.92	106.74	Shut-In(1)
87	422.15	107.67	End Shut-In(1)
87	117.82	107.61	Open To Flow (2)
118	139.12	108.06	Shut-In(2)
164	477.84	108.58	End Shut-In(2)
164	1660.02	108.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Oil & MUD CUT WATER 2%o 30 m 78%w	0.8900
95.00	Oil & Mud cut Water 5%o 30%w 65W	1.06
5.00	Clean oil	0.07

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

Henry #2

Po Box 164
Andover KS 67002-0134

11-6s-22w Graham

Job Ticket: 22172

DST#: 4

ATTN: Kurt Smith

Test Start: 2005.07.24 @ 10:40:27

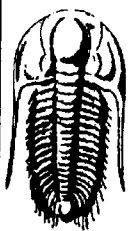
Tool Information

Drill Pipe:	Length: 3324.00 ft	Diameter: 3.80 inches	Volume: 46.63 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 210.00 ft	Diameter: 2.25 inches	Volume: 1.03 bbl	Weight to Pull Loose:	50000.00 lb
			Total Volume: 47.66 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3532.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	31.00 ft				
Tool Length:	52.00 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			3512.00	
Shut In Tool	5.00			3517.00	
Hydraulic tool	5.00			3522.00	
Packer	5.00			3527.00	21.00 Bottom Of Top Packer
Packer	5.00			3532.00	
Blank Spacing	1.00			3533.00	
Perforations	5.00			3538.00	
Recorder	0.00	8166	Inside	3538.00	
Perforations	22.00			3560.00	
Recorder	0.00	10991	Outside	3560.00	
Bullnose	3.00			3563.00	31.00 Bottom Packers & Anchor

Total Tool Length: 52.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Lights Oil

Henry #2

Po Box 164
Andover KS 67002-0134

11-6s-22w Graham

Job Ticket: 22172

DST#: 4

ATTN: Kurt Smith

Test Start: 2005.07.24 @ 10:40:27

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 8.97 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	Oil & MUD CUT WATER 2%o 30 m 78%w 55C	0.885
95.00	Oil & Mud cut Water 5%o 30%w 65W	1.059
5.00	Clean oil	0.070

Total Length: 280.00 ft

Total Volume: 2.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

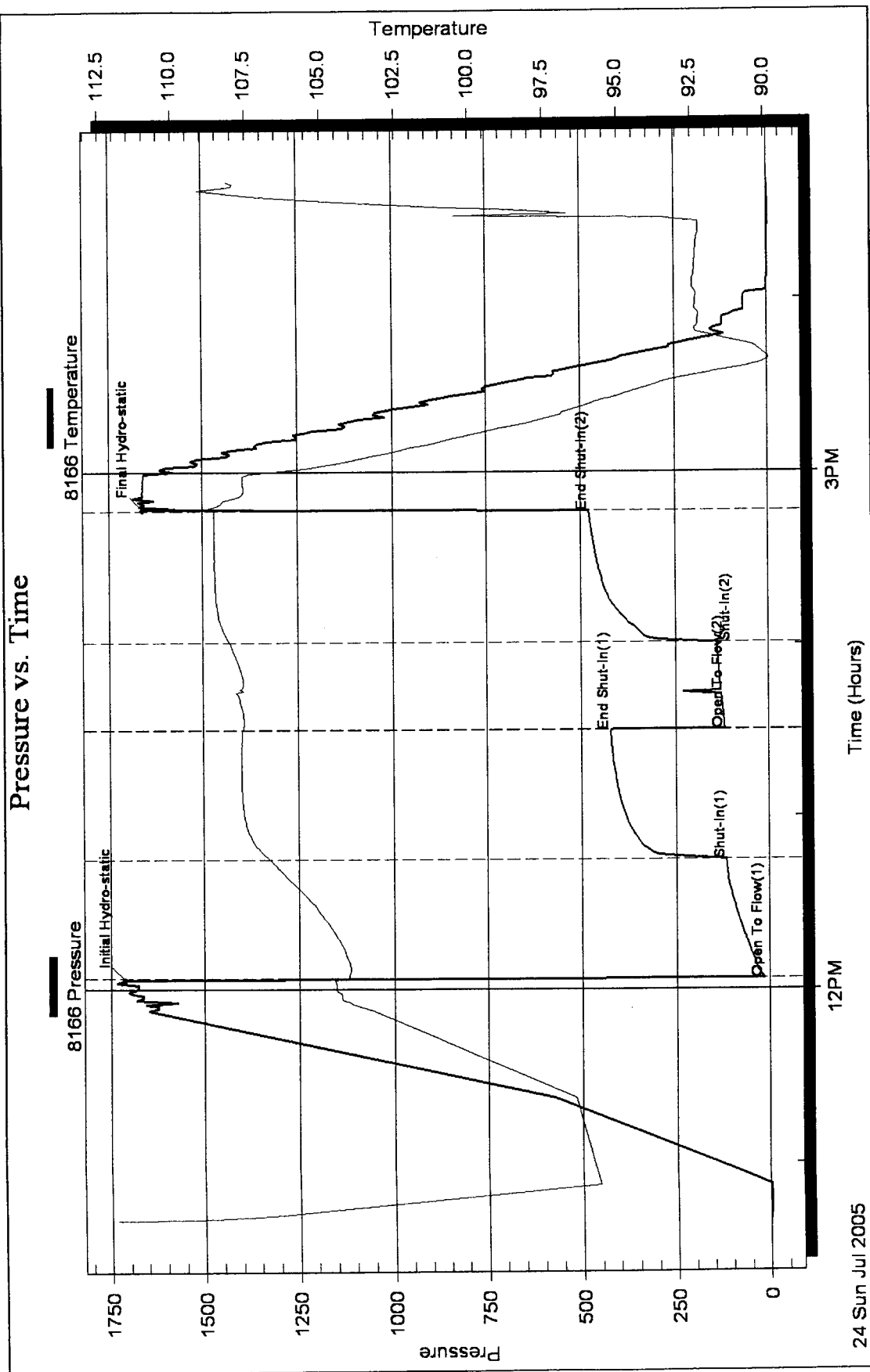
Serial #:

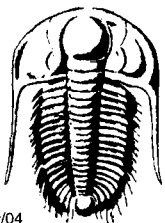
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22169

INV
7714

Test Ticket

Well Name & No. <u>Henry #2</u>	Test No. <u>1</u>	Date <u>7-23-05</u>
Company <u>Northern Lights Oil</u>	Zone Tested <u>Onroad</u>	
Address _____	Elevation <u>2245</u> KB <u>2240</u>	GL _____
Co. Rep / Geo. <u>Kurt Smith</u>	Cont. <u>Mallard</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>11</u> Twp. <u>6S</u> Rge. <u>22W</u> Co. <u>Graham</u> State <u>KS</u>		
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3388-3436</u>	Initial Str Wt./Lbs. <u>42,000</u>	Unseated Str Wt./Lbs. <u>44,000</u>
Anchor Length <u>48'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>52,000</u>
Top Packer Depth <u>3383</u>	Tool Weight <u>2008</u>	
Bottom Packer Depth <u>3388</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3436</u>	Wt. Pipe Run _____	Drill Collar Run <u>210</u>
Mud Wt. _____ LCM _____ Vis. _____ WL _____	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3170</u>

Blow Description IF-BoFB 16m
ISI-No Blow
FF-BoFB 21m
FS-No blow

Recovery - Total Feet <u>540</u>	GIP <u>120</u>	Ft. in DC _____	Ft. in DP _____
Rec. <u>150</u>	Feet of <u>Clean Oil</u>	%gas <u>100</u>	%oil _____ %water _____ %mud _____
Rec. <u>150</u>	Feet of <u>Oil & water cut Mud</u>	%gas <u>20</u>	%oil <u>30</u> %water <u>50</u> %mud _____
Rec. <u>240</u>	Feet of <u>Oil & Mud cut Water</u>	%gas <u>2</u>	%oil <u>88</u> %water <u>10</u> %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
BHT <u>110</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW _____ @ _____ °F	Chlorides <u>125000</u> ppm	Recovery _____	Chlorides _____ ppm System _____

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1638</u>	PSI	Recorder No. <u>8166</u>	Test <u>950</u>	
(B) First Initial Flow Pressure	<u>16</u>	PSI	(depth) <u>3393</u>	Jars _____	
(C) First Final Flow Pressure	<u>144</u>	PSI	Recorder No. <u>11020</u>	Safety Jt. _____	
(D) Initial Shut-In Pressure	<u>1106</u>	PSI	(depth) <u>3435</u>	Circ Sub _____	
(E) Second Initial Flow Pressure	<u>133</u>	PSI	Recorder No. _____	Sampler _____	
(F) Second Final Flow Pressure	<u>257</u>	PSI	(depth) _____	Straddle _____	
(G) Final Shut-In Pressure	<u>1100</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____	
(Q) Final Hydrostatic Mud	<u>1600</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>83</u> <u>166</u>	
			T-On Location <u>22:30</u>	Sub Total: <u>1116</u>	
			T-Started <u>23:43</u>	Std. By _____	
			T-Open <u>1:15</u>	Other _____	
			T-Pulled <u>4:15</u>	Total: _____	
			T-Out <u>6:10</u>		

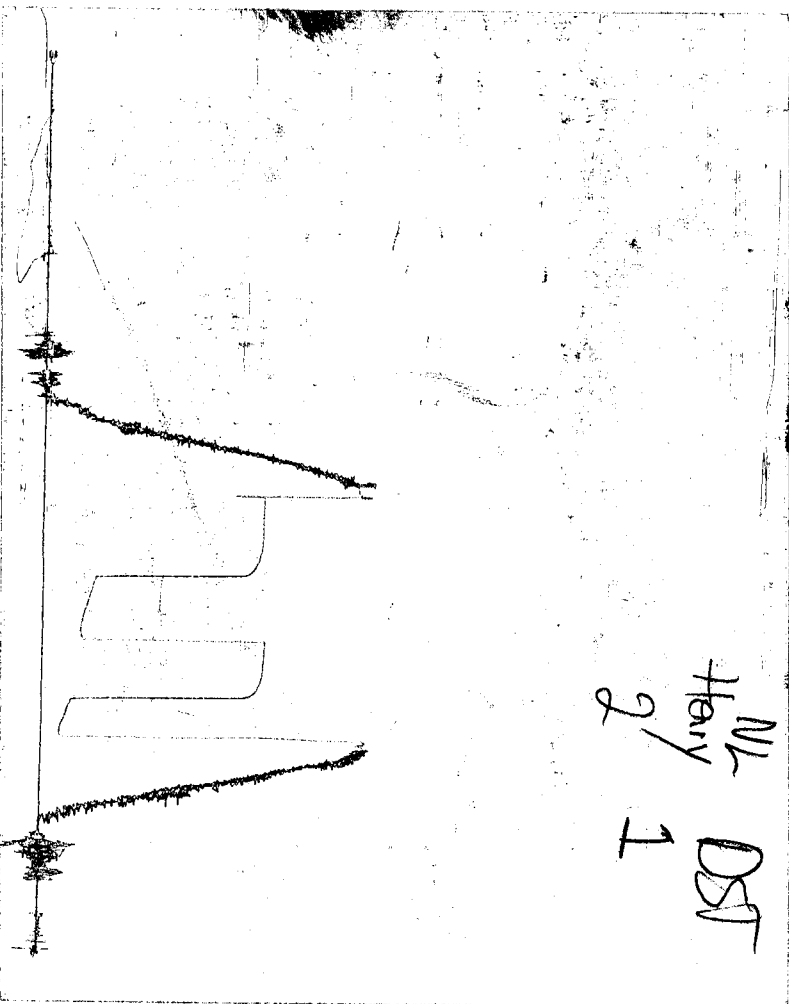
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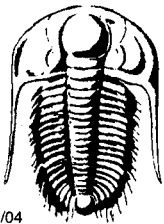
Approved By _____

Our Representative Michael

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22170

9/04

Test Ticket

Well Name & No. <u>Henry #2</u>	Test No. <u>2</u>	Date <u>7-23-05</u>
Company <u>Northern Lights Oil</u>	Zone Tested <u>Toronto</u>	
Address _____	Elevation <u>2245</u>	KB <u>2240</u> GL
Co. Rep / Geo. <u>Kurt Smith</u>	Cont. <u>Mallard</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>11</u> Twp. <u>6S</u> Rge. <u>22W</u> Co. <u>Graham</u> State <u>KS</u>		
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3438 - 3486</u>	Initial Str Wt./Lbs. <u>42000</u>	Unseated Str Wt./Lbs. <u>45000</u>
Anchor Length <u>48</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>50000</u>
Top Packer Depth <u>3433</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3438</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3486</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>210</u>
Mud Wt. <u>9.2</u> LCM Vis. <u>44</u> WL <u>9</u>	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3227</u>
Blow Description <u>IF - Bottom of B 5m</u>		
<u>ISI - No Blow</u>		
<u>EF - Bottom of B 7m</u>		

Recovery - Total Feet <u>525</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>75</u>	Feet of <u>Drilling Mud</u>	%gas _____ %oil _____	%water <u>100</u> %mud _____
Rec. <u>90</u>	Feet of <u>Midcut Salt Water</u>	%gas _____ %oil _____	%water <u>40</u> %mud _____
Rec. <u>360</u>	Feet of <u>Salt Water 99000ch</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>109</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW _____ @ _____ °F	Chlorides <u>90000</u> ppm	Recovery _____	Chlorides _____ ppm System _____

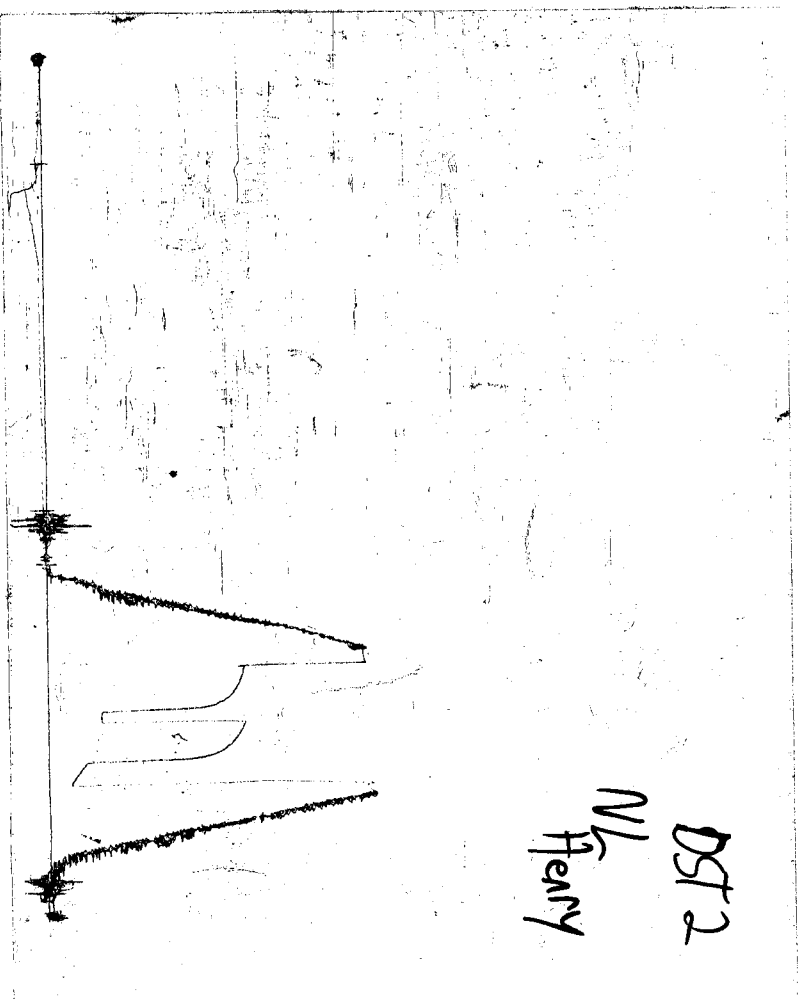
(A) Initial Hydrostatic Mud	AK-1 <u>1451</u> PSI	Alpine	Recorder No. <u>8166</u>	Test <u>950</u>
(B) First Initial Flow Pressure	<u>27</u> PSI		(depth) <u>3443</u>	Jars _____
(C) First Final Flow Pressure	<u>200</u> PSI		Recorder No. <u>11020</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>981</u> PSI		(depth) <u>3484</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>207</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>956</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>979</u> PSI	Initial Opening <u>15</u>		Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>11624</u> PSI	Initial Shut-In <u>30</u>		Shale Packer _____
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.		Final Flow <u>10</u>		Ruined Packer _____
		Final Shut-In <u>30</u>		Mileage <u>42</u> <u>42</u>
		T-On Location <u>11:45</u>		Sub Total: <u>992</u>
		T-Started <u>11:55</u>		Std. By _____
		T-Open <u>13:40</u>		Other _____
		T-Pulled <u>15:10</u>		Total: _____
		T-Out <u>14:35</u>		

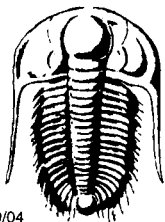
Approved By _____

Our Representative M. chad

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 22177 ⁷²¹⁷⁷ ²⁴⁵¹⁰⁴⁰

Test Ticket

Well Name & No.	Henry #2	Test No.	3	Date	7-23-05
Company	Northern Lights	Zone Tested	LKC A+B		
Address		Elevation	2245	KB	2240 GL
Co. Rep / Geo.	Kurt Smith	Cont.	Mallard	Est. Ft. of Pay	Por. %
Location: Sec.	11	Twp.	65	Rge.	22w Co. Graham State KS
No. of Copies		Disbtribution Sheet (Y, N)		Turnkey (Y, N)	Evaluation (Y, N)

Interval Tested	3488 - 3536	Initial Str Wt./Lbs.	42,000	Unseated Str Wt./Lbs.	45,000
Anchor Length	48'	Wt. Set Lbs.	20,000	Wt. Pulled Loose/Lbs.	85,000
Top Packer Depth	3483	Tool Weight	2000		
Bottom Packer Depth	3488	Hole Size	7 7/8"	Rubber Size	6 3/4"
Total Depth	3536	Wt. Pipe Run	-	Drill Collar Run	210
Mud Wt.	9.2 LCM	Vis.	44	WL	9
Drill Pipe Size	4 1/2	Ft. Run	3264		
Blow Description	IF - BoF B 3m30s ISI - No Blow FF - BoF B 4m				

Recovery - Total Feet	550	GIP		Ft. in DC		Ft. in DP	
Rec.	130	Feet of	Muddy Salt Water	%gas	%oil	%water	%mud
Rec.	120	Feet of	Muddy Salt Water	%gas	%oil	%water	%mud
Rec.	360	Feet of	Salt Water 70,000	%gas	%oil	%water	%mud
Rec.		Feet of	Chlorides	%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	109	°F Gravity		°API D @		°F Corrected Gravity	°API
RW	@	°F	Chlorides	ppm Recovery	Chlorides	ppm System	

(A) Initial Hydrostatic Mud	AK-1	Alpine	1662	PSI	Recorder No.	8166	Test	950
(B) First Initial Flow Pressure			73	PSI	(depth)	3491	Jars	
(C) First Final Flow Pressure			201	PSI	Recorder No.	11020	Safety Jt.	
(D) Initial Shut-In Pressure			989	PSI	(depth)	3534	Circ Sub	
(E) Second Initial Flow Pressure			227	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			275	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			983	PSI	Initial Opening	15	Ext. Packer	
(Q) Final Hydrostatic Mud			1641	PSI	Initial Shut-In	30	Shale Packer	150

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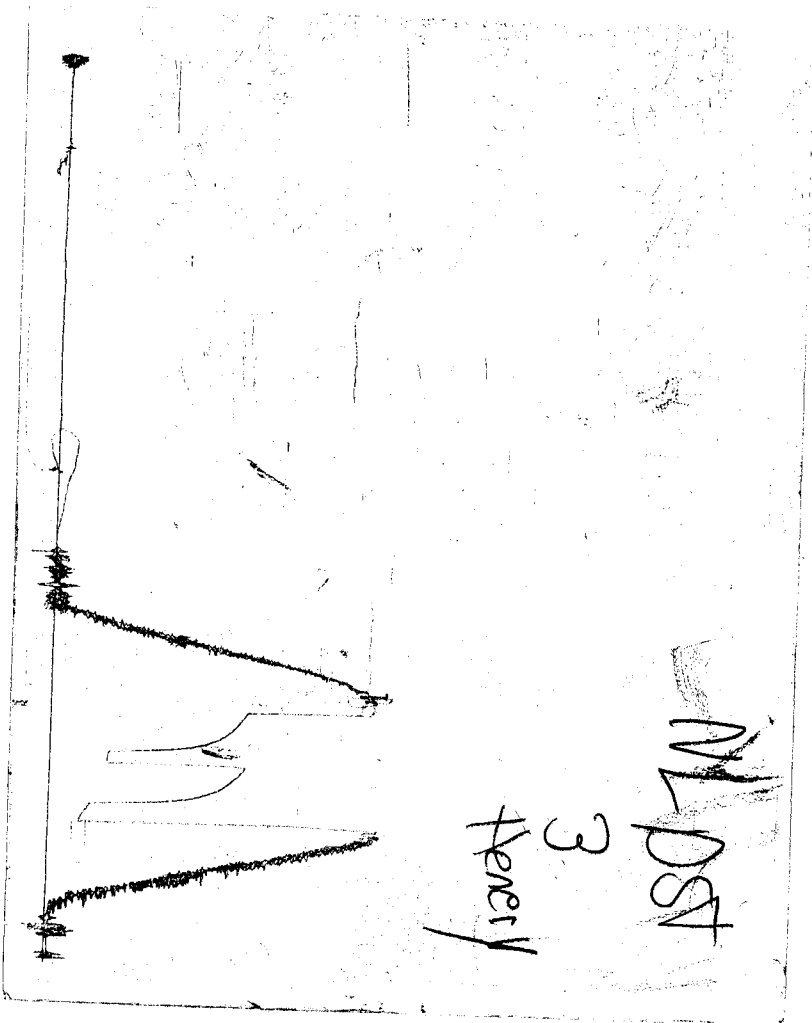
Approved By _____

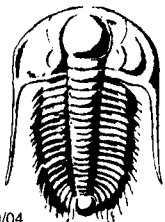
Our Representative Michael

Final Flow	10		
Final Shut-In	30		
T-On Location	23:00		
T-Started	23:28		
T-Open	1:10		
T-Pulled	2:35		
T-Out	4:00		
Mileage	42		
Sub Total:	1142		
Std. By			
Other			
Total:			

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 22172

Test Ticket

Well Name & No. <u>Henry #2</u>	Test No. <u>4</u>	Date <u>7-24-05</u>
Company <u>Northern Lights</u>	Zone Tested <u>KC-EF</u>	
Address _____	Elevation <u>2245</u> KB <u>2240</u> GL	
Co. Rep / Geo. <u>Kurt Smith</u>	Cont. <u>Mallard</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>11</u> Twp. <u>6S</u> Rge. <u>22W</u> Co. <u>Graham</u> State <u>KS</u>		
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3532 - 3563</u>	Initial Str Wt./Lbs. <u>45,000</u>	Unseated Str Wt./Lbs. <u>47,000</u>
Anchor Length <u>31ft</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>50,000</u>
Top Packer Depth <u>3527</u>	Tool Weight <u>2000</u>	
Bottom Packer Depth <u>3532</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>3563</u>	Wt. Pipe Run _____	Drill Collar Run <u>210</u>
Mud Wt. <u>9.2</u> LCM _____ Vis. <u>49</u> WL <u>9.2</u>	Drill Pipe Size <u>4 1/2</u>	Ft. Run <u>3324</u>
Blow Description <u>IF - Slow building blow to 10" in 45s</u>		
<u>ISI - No Blow</u>		
<u>FF - Weak Surface blow building to 1"</u>		

Recovery - Total Feet <u>280</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>5</u>	Feet of <u>clean oil</u>	%gas <u>100</u>	%oil _____ %water _____ %mud _____
Rec. <u>95</u>	Feet of <u>oil & Mud cut Water</u>	%gas <u>5</u>	%oil <u>65</u> %water <u>30</u> %mud _____
Rec. <u>180</u>	Feet of <u>oil & Mud cut Water</u>	%gas <u>2</u>	%oil <u>78</u> %water <u>20</u> %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
BHT <u>109</u>	°F Gravity _____	°API D @ <u>55,000</u>	°F Corrected Gravity _____ °API _____
RW _____ @ _____ °F	Chlorides _____	ppm Recovery _____	Chlorides _____ ppm System _____

(A) Initial Hydrostatic Mud	AK-1 <u>1712</u> PSI	Alpine	Recorder No. <u>8166</u>	Test <u>950</u>
(B) First Initial Flow Pressure	<u>15</u> PSI		(depth) <u>3534</u>	Jars _____
(C) First Final Flow Pressure	<u>115</u> PSI		Recorder No. <u>11020</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>422</u> PSI		(depth) <u>3562</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>118</u> PSI		Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>139</u> PSI		(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>478</u> PSI	Initial Opening	<u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1160</u> PSI	Initial Shut-In	<u>45</u>	Shale Packer _____
		Final Flow	<u>30</u>	Ruined Packer _____
		Final Shut-In	<u>45</u>	Mileage <u>42</u> <u>42</u>
		T-On Location	<u>9:15</u>	Sub Total: <u>982</u>
		T-Started	<u>10:40</u>	Std. By _____
		T-Open	<u>12:00</u>	Other _____
		T-Pulled	<u>14:45</u>	Total: _____
		T-Out	<u>16:25</u>	

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Approved By _____

Our Representative Michael

CHART PAGE

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