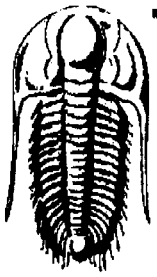


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Northern Light Oil Co;LC**

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

27-17s-27w-Lane

Sarah #1

Start Date: 2005.02.26 @ 00:02:34
End Date: 2005.02.26 @ 07:32:34
Job Ticket #: 20269 DST #: 1

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

DRILL STEM TEST REPORT

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20269 **DST#: 1**

Test Start: 2005.02.26 @ 00:02:34

GENERAL INFORMATION:

Formation: LKC-"H-I"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:48:34
Time Test Ended: 07:32:34

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 4100.00 ft (KB) To 4166.00 ft (KB) (TVD)
Total Depth: 4100.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

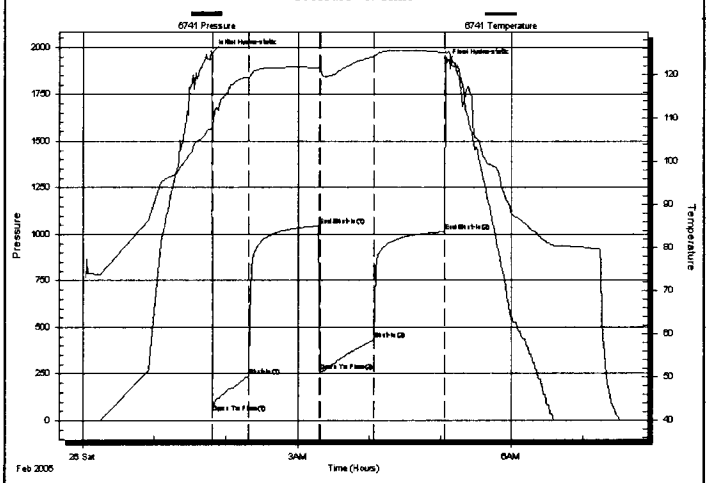
Reference Elevations: 2641.00 ft (KB)
2636.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 431.03 psig @ 4103.00 ft (KB)
Start Date: 2005.02.26 End Date: 2005.02.26
Start Time: 00:02:36 End Time: 07:32:34

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2005.02.26 @ 01:48:19
Time Off Btm: 2005.02.26 @ 05:04:19

TEST COMMENT: IFP-Strong Blow ,BOB in 2-1/2 Min
ISI-Blow dow n 5 Min.,Blow back Built to BOB in 5 Min.
FFP-Strong Blow ,BOB in 3 Min.
FSI-



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1966.88	107.71	Initial Hydro-static
1	43.36	106.73	Open To Flow (1)
31	237.70	119.42	Shut-In(1)
90	1046.12	121.65	End Shut-In(1)
90	262.53	121.24	Open To Flow (2)
136	431.03	124.23	Shut-In(2)
196	1014.24	125.15	End Shut-In(2)
196	1916.83	125.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Muddy Gassy Oil-15%G-58%O-2%W-25%	0.59
1020.00	Gssy Oil-20%G-75%O-5%M	13.17

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20269 **DST#: 1**

Test Start: 2005.02.26 @ 00:02:34

Tool Information

Drill Pipe:	Length:	3854.00 ft	Diameter:	3.80 inches	Volume:	54.06 bbl	Tool Weight:		3000.00 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:	245.00 ft	Diameter:	2.25 inches	Volume:	1.20 bbl	Weight to Pull Loose:		61000.00 lb
					Total Volume:	55.26 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight:	Initial	56000.00 lb
Depth to Top Packer:		4100.00 ft						Final	59000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		66.00 ft							
Tool Length:		87.00 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			4080.00		
Shut In Tool	5.00			4085.00		
Hydraulic tool	5.00			4090.00		
Packer	5.00			4095.00	21.00	Bottom Of Top Packer
Packer	5.00			4100.00		
Stubb	1.00			4101.00		
Perforations	2.00			4103.00		
Recorder	0.00	6741	Inside	4103.00		
Change Over Sub	1.00			4104.00		
Blank Spacing	30.00			4134.00		
Change Over Sub	1.00			4135.00		
Perforations	28.00			4163.00		
Recorder	0.00	13221	Outside	4163.00		
Bullnose	3.00			4166.00	66.00	Bottom Packers & Anchor
Total Tool Length:	**87.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20269 **DST#: 1**

Test Start: 2005.02.26 @ 00:02:34

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	42.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.38 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

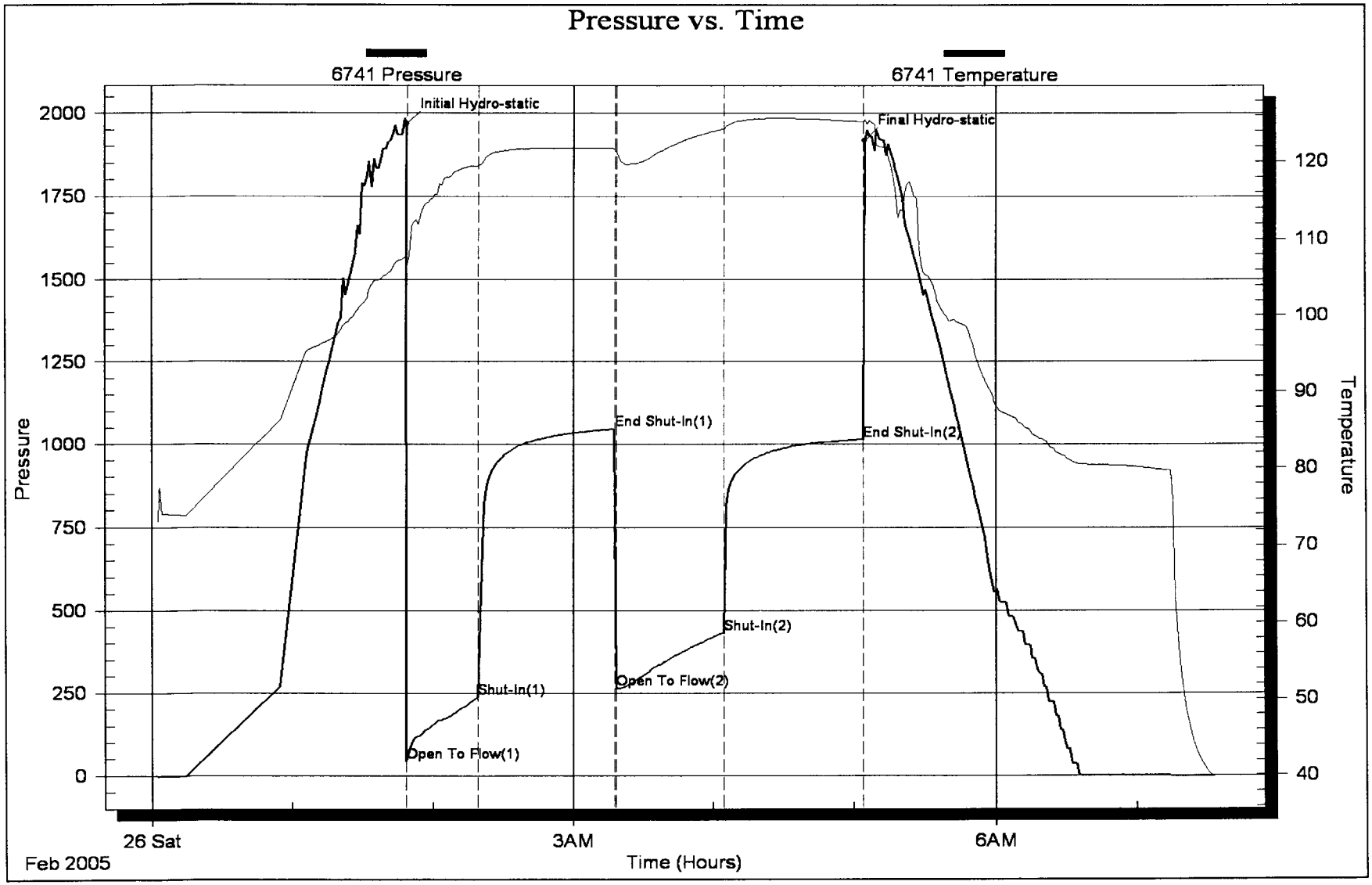
Length ft	Description	Volume bbl
120.00	Muddy Gassy Oil-15%G-58%O-2%W-25%M	0.590
1020.00	Gssy Oil-20%G-75%O-5%M	13.169

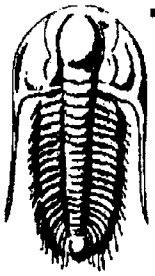
Total Length: 1140.00 ft Total Volume: 13.759 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Water Most Likely Filtrate


Pressure vs. Time
6741 Pressure
6741 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
40
26 Sat
3AM
6AM
Feb 2005
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Northern Light Oil Co;LC**

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

27-17s-27w-Lane

Sarah #1

Start Date: 2005.02.26 @ 14:49:34
End Date: 2005.02.26 @ 21:52:19
Job Ticket #: 20270 DST #: 2

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20270 **DST#: 2**

Test Start: 2005.02.26 @ 14:49:34

GENERAL INFORMATION:

Formation: **LKC-"J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:36:49
Time Test Ended: 21:52:19

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 4164.00 ft (KB) To 4195.00 ft (KB) (TVD)
Total Depth: 4195.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

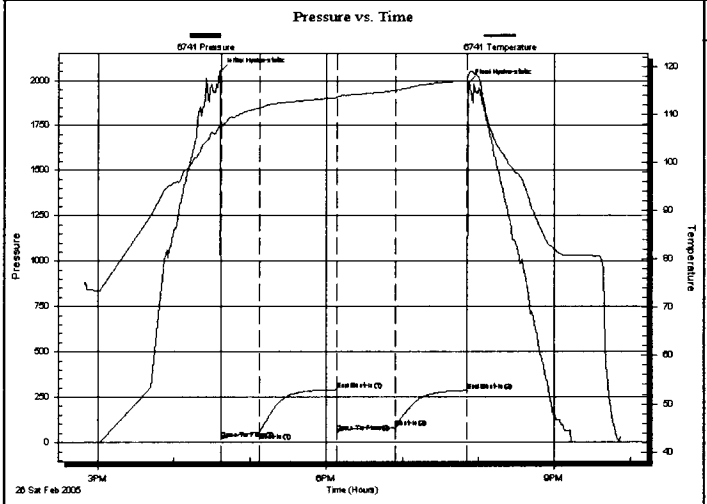
Reference Elevations: 2641.00 ft (KB)
2636.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 78.79 psig @ 4167.00 ft (KB)
Start Date: 2005.02.26 End Date: 2005.02.26
Start Time: 14:49:36 End Time: 21:52:19

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2005.02.26 @ 16:36:34
Time Off Btm: 2005.02.26 @ 19:52:04

TEST COMMENT: IFP-Fair Blow , BOB in 19 Min.
ISI-Dead
FFP-Strong Blow , BOB in 1 Min.
FFP-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2049.31	108.07	Initial Hydro-static
1	16.89	107.51	Open To Flow (1)
31	55.45	111.34	Shut-In(1)
92	289.69	113.53	End Shut-In(1)
92	56.37	113.48	Open To Flow (2)
138	78.79	115.01	Shut-In(2)
195	285.18	117.05	End Shut-In(2)
196	1988.82	118.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GMO-30%G-40%O-30%M	0.59
80.00	OCM-15%O-85%M	0.39
30.00	Mud	0.15

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20270 **DST#: 2**

Test Start: 2005.02.26 @ 14:49:34

Tool Information

Drill Pipe:	Length:	3914.00 ft	Diameter:	3.80 inches	Volume:	54.90 bbl	Tool Weight:		2500.00 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:	245.00 ft	Diameter:	2.25 inches	Volume:	1.20 bbl	Weight to Pull Loose:		60000.00 lb
					Total Volume:	56.10 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		16.00 ft					String Weight:	Initial	56000.00 lb
Depth to Top Packer:		4164.00 ft						Final	56000.00 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			4144.00		
Shut In Tool	5.00			4149.00		
Hydraulic tool	5.00			4154.00		
Packer	5.00			4159.00	21.00	Bottom Of Top Packer
Packer	5.00			4164.00		
Stubb	1.00			4165.00		
Perforations	2.00			4167.00		
Recorder	0.00	6741	Inside	4167.00		
Perforations	25.00			4192.00		
Recorder	0.00	13252	Outside	4192.00		
Bullnose	3.00			4195.00	31.00	Bottom Packers & Anchor
Total Tool Length:	**52.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20270 **DST#: 2**

Test Start: 2005.02.26 @ 14:49:34

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

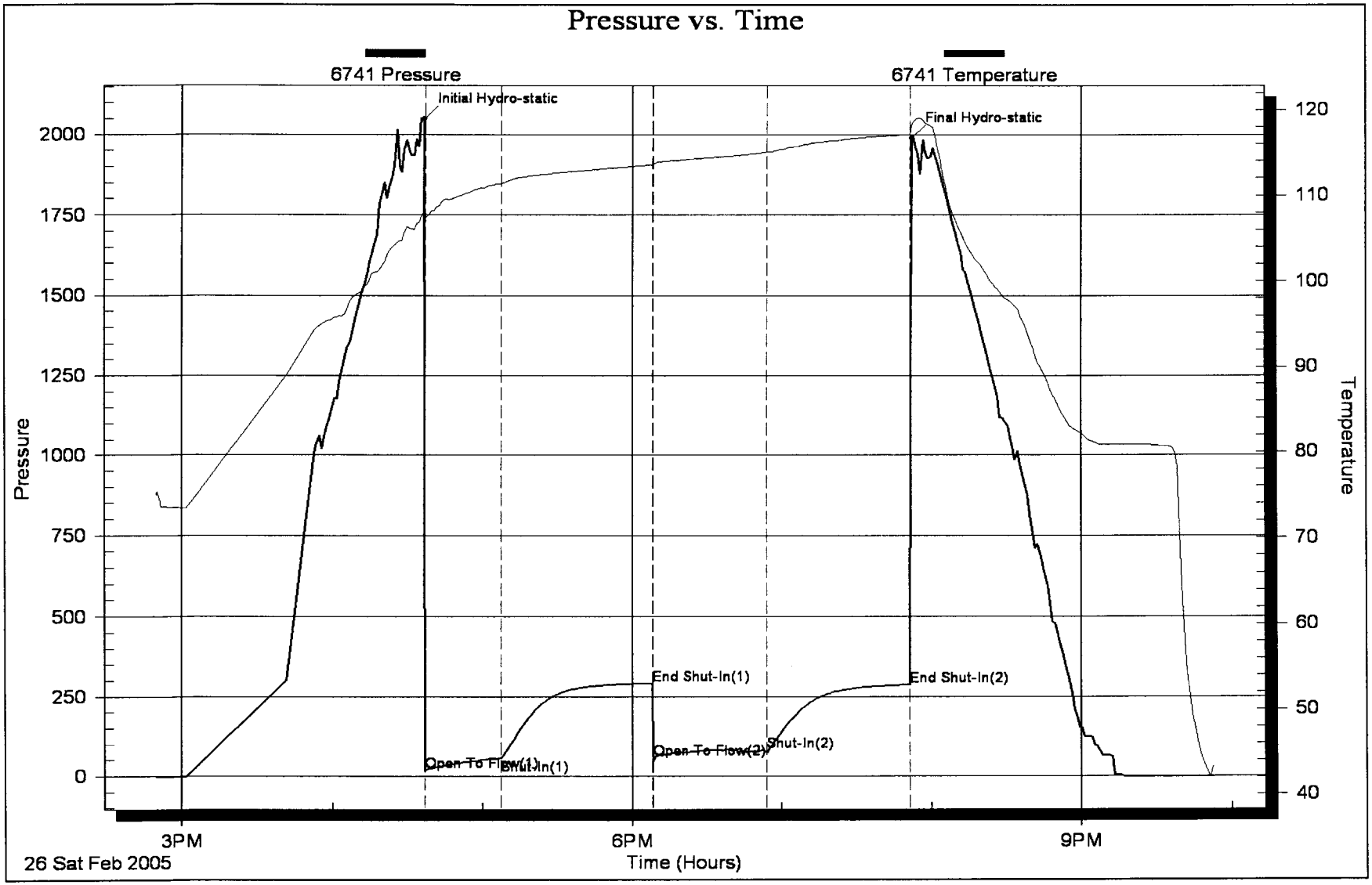
Length ft	Description	Volume bbl
120.00	GMO-30%G-40%O-30%M	0.590
80.00	OCM-15%O-85%M	0.393
30.00	Mud	0.148

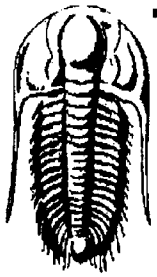
Total Length: 230.00 ft Total Volume: 1.131 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6741 Pressure
6741 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
50
40
3PM
6PM
9PM
26 Sat Feb 2005
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Northern Light Oil Co;LC**

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

27-17s-27w-Lane

Sarah #1

Start Date: 2005.02.27 @ 05:03:14
End Date: 2005.02.27 @ 11:44:14
Job Ticket #: 20271 DST #: 3

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20271 **DST#: 3**

Test Start: 2005.02.27 @ 05:03:14

GENERAL INFORMATION:

Formation: **LKC-"K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:35:29
Time Test Ended: 11:44:14

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 4198.00 ft (KB) To 4223.00 ft (KB) (TVD)
Total Depth: 4223.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

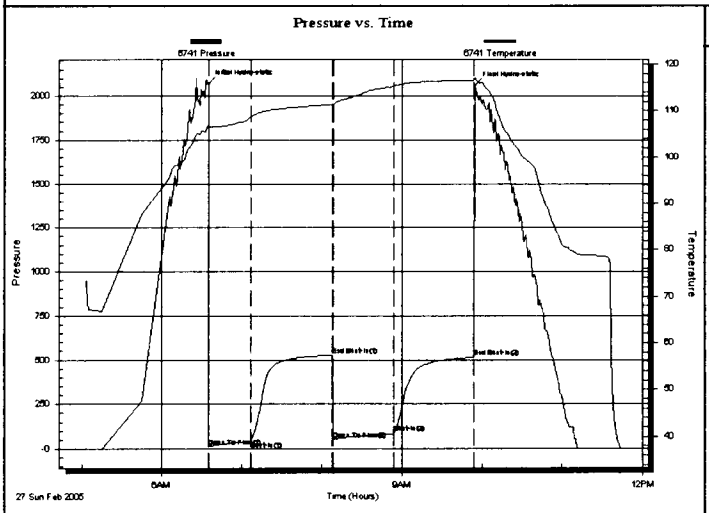
Reference Elevations: 2641.00 ft (KB)
2636.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 85.58 psig @ 4200.00 ft (KB)
Start Date: 2005.02.27 End Date: 2005.02.27
Start Time: 05:03:16 End Time: 11:44:14

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2005.02.27 @ 06:35:14
Time Off Btm: 2005.02.27 @ 09:54:59

TEST COMMENT: IFP-Fair Blow , Built to 6-1/2"
ISI-Dead
FFP-Fair Blow ,Built to 8"
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2070.26	106.72	Initial Hydro-static
1	13.07	106.29	Open To Flow (1)
32	45.57	108.68	Shut-In(1)
93	526.42	111.45	End Shut-In(1)
93	50.19	111.37	Open To Flow (2)
139	85.58	115.32	Shut-In(2)
199	513.89	116.63	End Shut-In(2)
200	2060.18	117.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	HOCM-37%G-25%O-3%W-35%M	0.74

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20271 **DST#: 3**

Test Start: 2005.02.27 @ 05:03:14

Tool Information

Drill Pipe:	Length:	3944.00 ft	Diameter:	3.80 inches	Volume:	55.32 bbl	Tool Weight:		2500.00 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:	245.00 ft	Diameter:	2.25 inches	Volume:	1.20 bbl	Weight to Pull Loose:		58000.00 lb
					Total Volume:	56.52 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		12.00 ft					String Weight:	Initial	56000.00 lb
Depth to Top Packer:		4198.00 ft						Final	56000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		25.00 ft							
Tool Length:		46.00 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			4178.00		
Shut In Tool	5.00			4183.00		
Hydraulic tool	5.00			4188.00		
Packer	5.00			4193.00	21.00	Bottom Of Top Packer
Packer	5.00			4198.00		
Stubb	1.00			4199.00		
Perforations	1.00			4200.00		
Recorder	0.00	6741	Inside	4200.00		
Perforations	20.00			4220.00		
Recorder	0.00	13252	Outside	4220.00		
Bullnose	3.00			4223.00	25.00	Bottom Packers & Anchor
Total Tool Length:	**46.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20271 **DST#: 3**

Test Start: 2005.02.27 @ 05:03:14

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

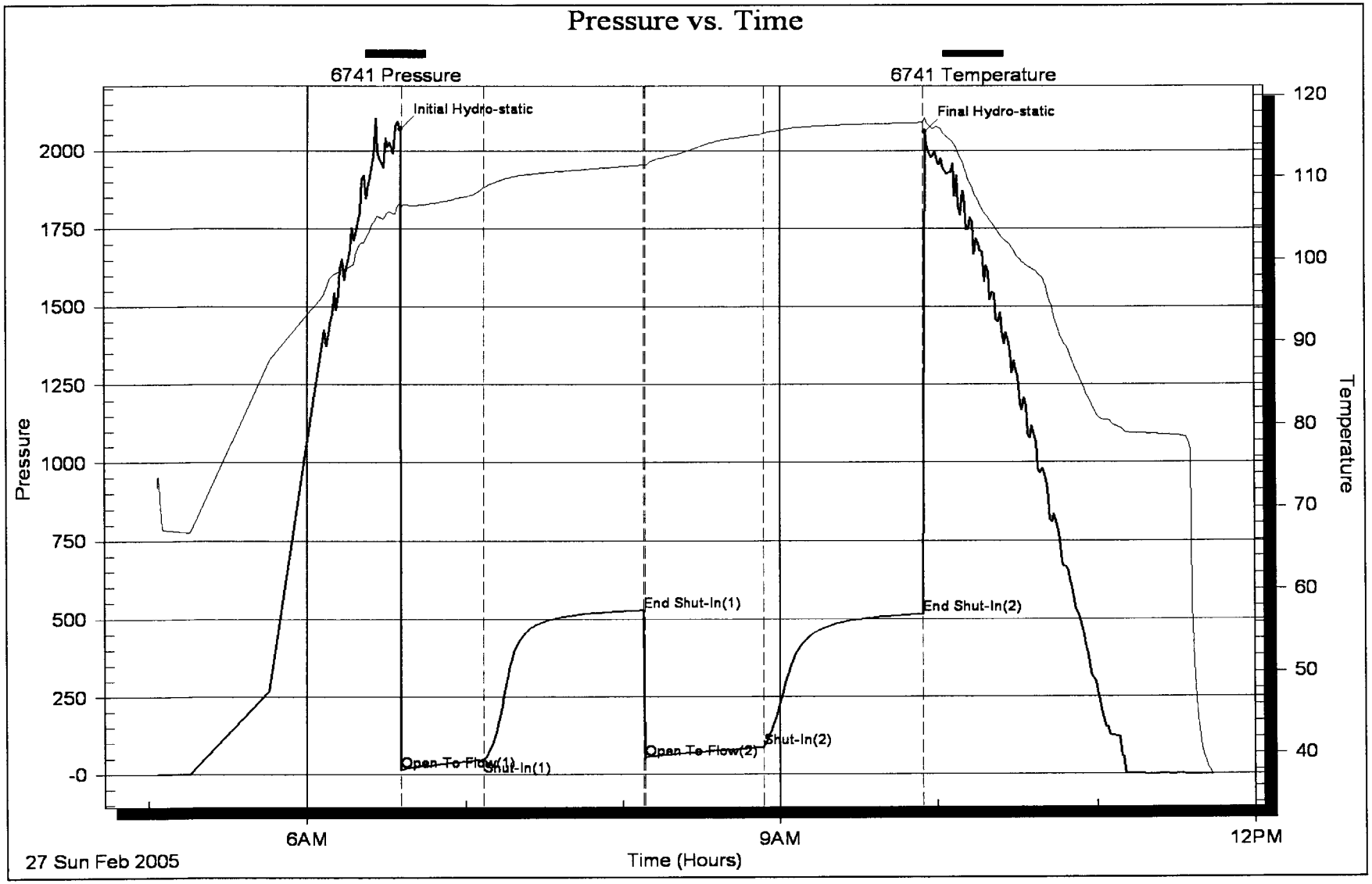
Length ft	Description	Volume bbl
150.00	HOCM-37%G-25%O-3%W-35%M	0.738

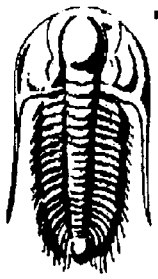
Total Length: 150.00 ft Total Volume: 0.738 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6741 Pressure
6741 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
-0
120
110
100
90
80
70
60
50
40
6AM
9AM
12PM
27 Sun Feb 2005
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Northern Light Oil Co;LC**

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

27-17s-27w-Lane

Sarah #1

Start Date: 2005.02.27 @ 19:46:08
End Date: 2005.02.28 @ 02:57:53
Job Ticket #: 20271 DST #: 4

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

DRILL STEM TEST REPORT

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20271 **DST#: 4**

Test Start: 2005.02.27 @ 19:46:08

GENERAL INFORMATION:

Formation: **LKC-"L"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:35:23
Time Test Ended: 02:57:53

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 4229.00 ft (KB) To 4268.00 ft (KB) (TVD)
Total Depth: 4268.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

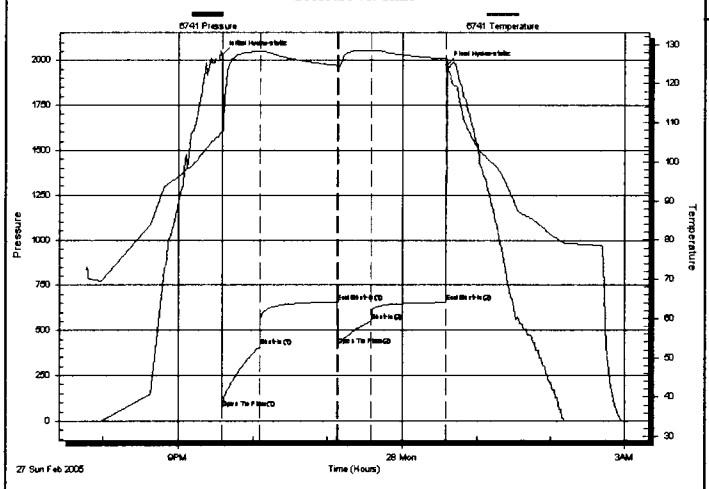
Reference Elevations: 2641.00 ft (KB)
2636.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 551.22 psig @ 4231.00 ft (KB)
Start Date: 2005.02.27 End Date: 2005.02.28
Start Time: 19:46:10 End Time: 02:57:53

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2005.02.27 @ 21:34:53
Time Off Btm: 2005.02.28 @ 00:35:38

TEST COMMENT: IFP-Strong Blow , BOB in 2-1/2 Min.
ISI-Dead For 30 Min,Weak Surface Blow back After
FFP-Fair Blow ,BOB in 10 Min.
FFP-Surface Blow back After 25 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2032.35	107.50	Initial Hydro-static
1	67.65	107.20	Open To Flow (1)
31	408.89	128.24	Shut-In(1)
93	657.34	124.59	End Shut-In(1)
93	417.96	124.50	Open To Flow (2)
121	551.22	128.46	Shut-In(2)
181	654.40	126.35	End Shut-In(2)
181	1972.73	126.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1065.00	MW	12.71
10.00	HOCMW-20%G-35%O-30%W-15%M	0.14

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20271 **DST#: 4**

Test Start: 2005.02.27 @ 19:46:08

Tool Information

Drill Pipe:	Length:	3974.00 ft	Diameter:	3.80 inches	Volume:	55.74 bbl	Tool Weight:		3000.00 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:	245.00 ft	Diameter:	2.25 inches	Volume:	1.20 bbl	Weight to Pull Loose:		60000.00 lb
					Total Volume:	56.94 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		11.00 ft					String Weight:	Initial	57000.00 lb
Depth to Top Packer:		4229.00 ft						Final	59000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		39.00 ft							
Tool Length:		60.00 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			4209.00		
Shut In Tool	5.00			4214.00		
Hydraulic tool	5.00			4219.00		
Packer	5.00			4224.00	21.00	Bottom Of Top Packer
Packer	5.00			4229.00		
Stubb	1.00			4230.00		
Perforations	1.00			4231.00		
Recorder	0.00	6741	Inside	4231.00		
Perforations	34.00			4265.00		
Recorder	0.00	13252	Outside	4265.00		
Bullnose	3.00			4268.00	39.00	Bottom Packers & Anchor
Total Tool Length:	**60.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20271 **DST#: 4**

Test Start: 2005.02.27 @ 19:46:08

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:	62000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

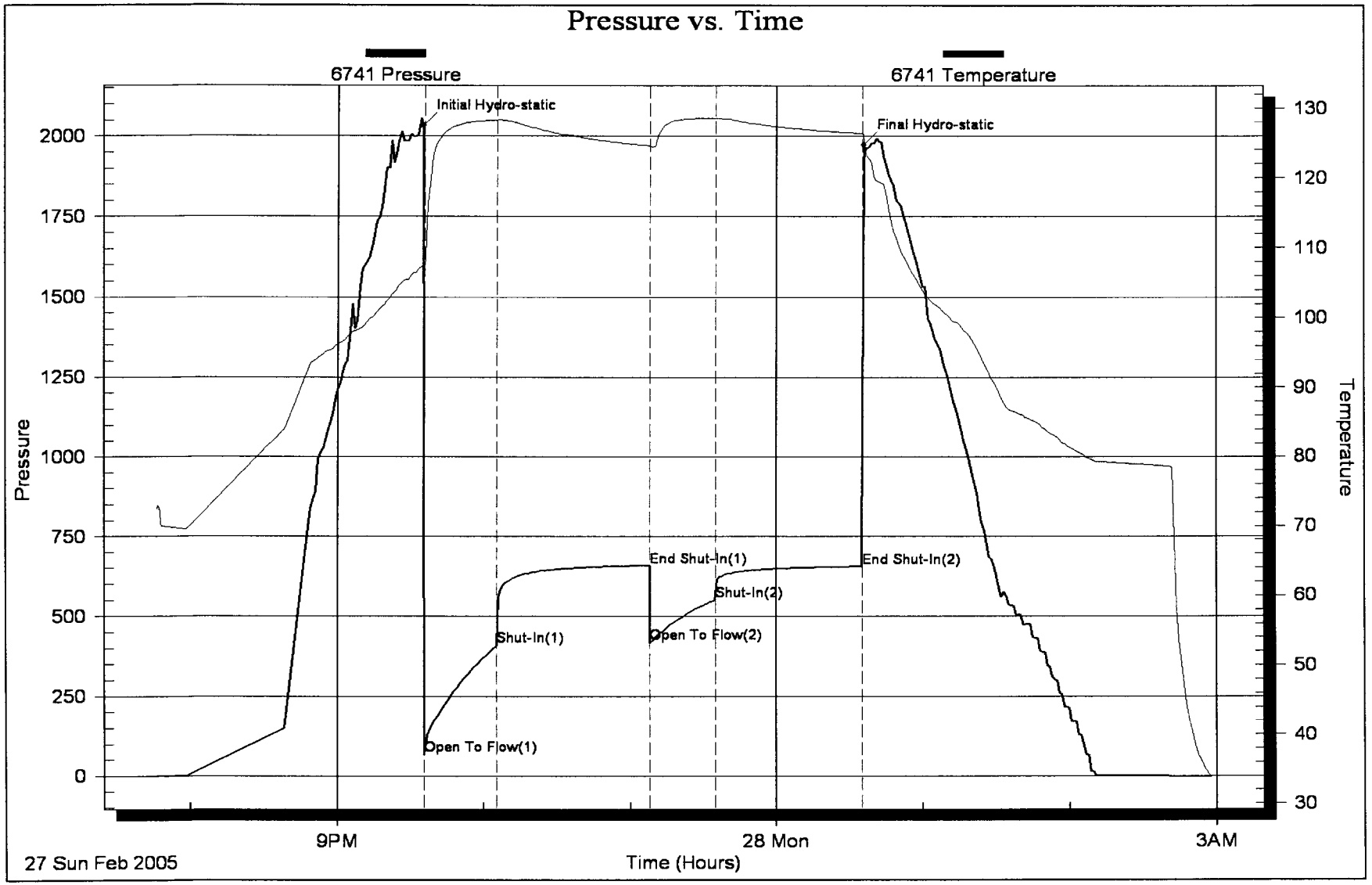
Length ft	Description	Volume bbl
1065.00	MW	12.707
10.00	HOCMW-20%G-35%O-30%W-15%M	0.140

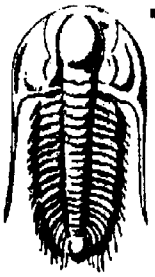
Total Length: 1075.00 ft Total Volume: 12.847 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6741 Pressure
6741 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Shut-In(1)
Open To Flow(2)
Open To Flow(1)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
0
130
120
110
100
90
80
70
60
50
40
30
9PM
28 Mon
3AM
27 Sun Feb 2005
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Northern Light Oil Co;LC**

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

27-17s-27w-Lane

Sarah #1

Start Date: 2005.03.01 @ 01:41:13
End Date: 2005.03.01 @ 09:17:43
Job Ticket #: 20273 DST #: 5

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20273 **DST#: 5**

Test Start: 2005.03.01 @ 01:41:13

GENERAL INFORMATION:

Formation: **Cherokee Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:39:13
Time Test Ended: 09:17:43

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 4520.00 ft (KB) To 4545.00 ft (KB) (TVD)
Total Depth: 4545.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

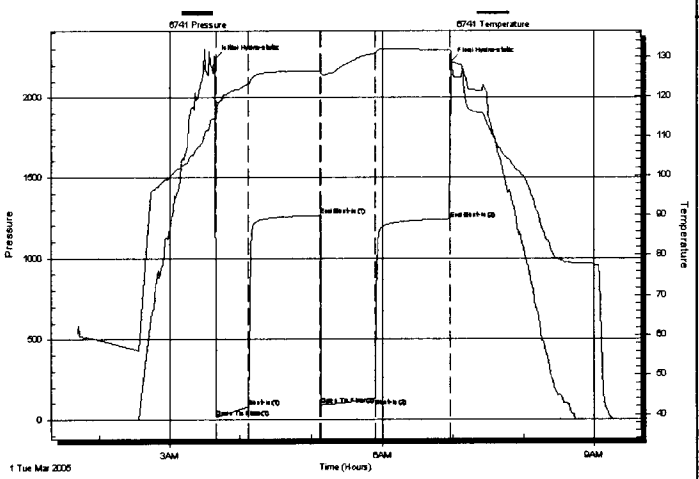
Reference Elevations: 2641.00 ft (KB)
2636.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 132.44 psig @ 4522.00 ft (KB)
Start Date: 2005.03.01 End Date: 2005.03.01
Start Time: 01:41:15 End Time: 09:17:43

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2005.03.01 @ 03:38:58
Time Off Btm: 2005.03.01 @ 06:58:28

TEST COMMENT: IFP-Fair Blow ,BOB in 26 Min.
ISI-Surface Blow back
FFP-Fair Blow ,BOB in 27 Min.
FSI-Blow back Built to 1-1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2239.61	114.76	Initial Hydro-static
1	15.90	114.37	Open To Flow (1)
28	80.55	123.21	Shut-In(1)
89	1262.74	126.49	End Shut-In(1)
90	91.51	126.11	Open To Flow (2)
135	132.44	130.88	Shut-In(2)
199	1240.62	131.65	End Shut-In(2)
200	2224.79	129.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	Gassy Muddy Oil-50%G-35%O-15%M	0.89
60.00	Muddy Oil-10%G-75%O-15%M	0.30
110.00	Clean Oil	1.50

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20273 **DST#: 5**

Test Start: 2005.03.01 @ 01:41:13

Tool Information

Drill Pipe:	Length:	4285.00 ft	Diameter:	3.80 inches	Volume:	60.11 bbl	Tool Weight:		2400.00 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:	245.00 ft	Diameter:	2.25 inches	Volume:	1.20 bbl	Weight to Pull Loose:		62000.00 lb
					Total Volume:	61.31 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		31.00 ft					String Weight:	Initial	60000.00 lb
Depth to Top Packer:		4520.00 ft						Final	60000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		25.00 ft							
Tool Length:		46.00 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			4500.00		
Shut In Tool	5.00			4505.00		
Hydraulic tool	5.00			4510.00		
Packer	5.00			4515.00	21.00	Bottom Of Top Packer
Packer	5.00			4520.00		
Stubb	1.00			4521.00		
Perforations	1.00			4522.00		
Recorder	0.00	6741	Inside	4522.00		
Perforations	20.00			4542.00		
Recorder	0.00	13252	Outside	4542.00		
Bullnose	3.00			4545.00	25.00	Bottom Packers & Anchor
Total Tool Length:	**46.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Northern Light Oil Co;LC

PO Box 164
Andover,Ks. 67002

ATTN: Jeff Christian

Sarah #1

27-17s-27w-Lane

Job Ticket: 20273 **DST#: 5**

Test Start: 2005.03.01 @ 01:41:13

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.59 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

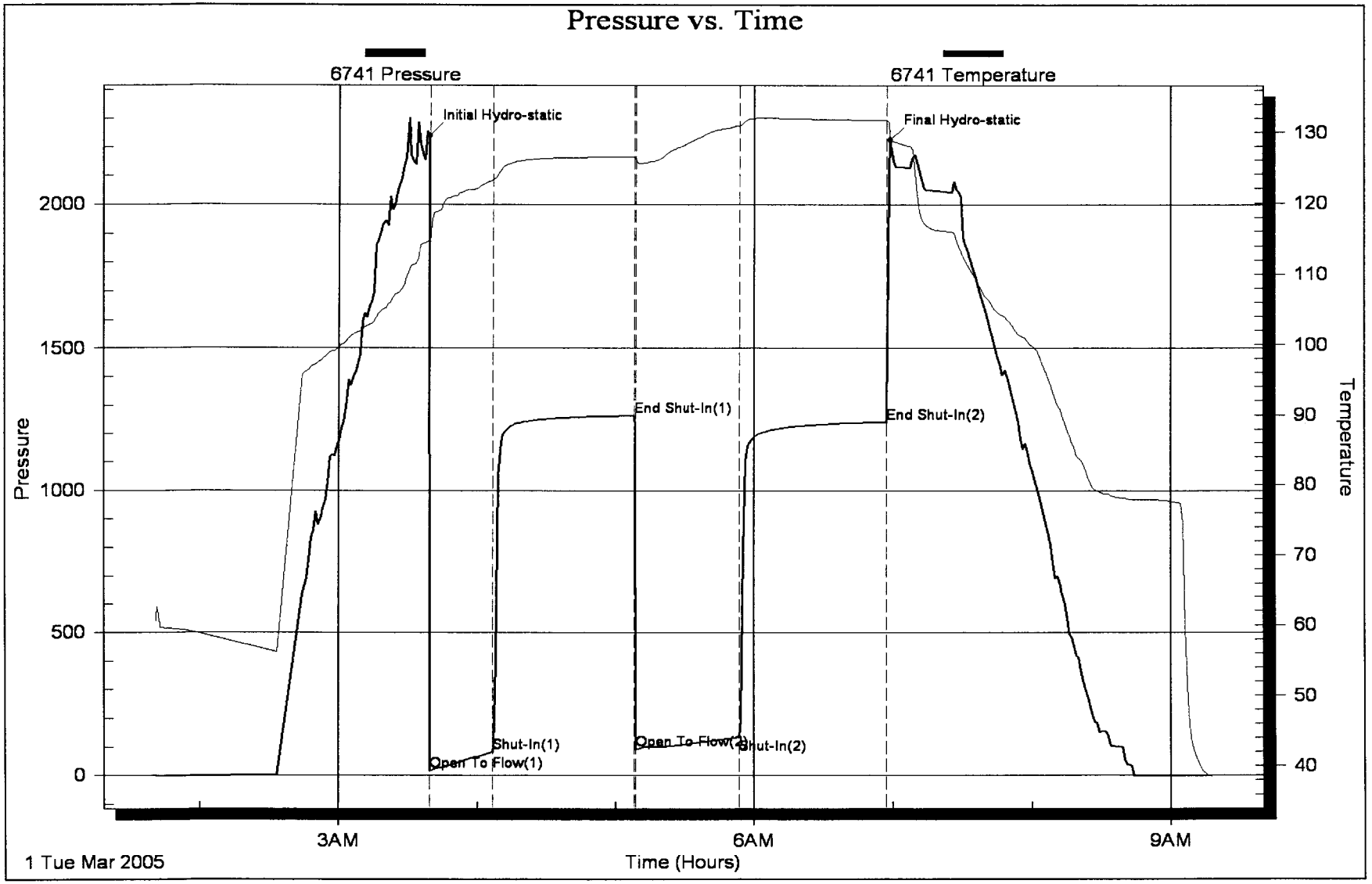
Length ft	Description	Volume bbl
180.00	Gassy Muddy Oil-50%G-35%O-15%M	0.885
60.00	Muddy Oil-10%G-75%O-15%M	0.295
110.00	Clean Oil	1.497

Total Length: 350.00 ft Total Volume: 2.677 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6741 Pressure
6741 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Open To Flow(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
2000
1500
1000
500
0
130
120
110
100
90
80
70
60
50
40
3AM
6AM
9AM
1 Tue Mar 2005
Time (Hours)

TRILOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601

INV 7232

№ 20269

05/03

Test Ticket

Well Name & No. ~~Northern Light Oil Co.~~ Sarah #1 Test No. 1 Date 2-25-05

Company Northern Light Oil Co. LC Zone Tested "H-I"

Address PO Box 164, Andover, Ks. 67002 Elevation 2641 KB 2636 GL

Co. Rep / Geo. Jeff Christian Cont. Mallard Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 27 Twp. 17s Rge. 27w Co. Lane State Ks

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4100 - 4166 Initial Str Wt./Lbs. 56,000 Unseated Str Wt/Lbs. 59,000

Anchor Length 66' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 61,000

Top Packer Depth 4095 Tool Weight 3000

Bottom Packer Depth 4100 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 4166 Wt. Pipe Run 0 Drill Collar Run 245

Mud Wt. 8.7 LCM 0 Vis. 42 WL 7.4 Drill Pipe Size 4½XH Ft. Run 3854

Blow Description IFP - Strong Blow, BOB in 2½ Min.
ISI - Blowdown 5 min, Blowback BOB in 5 Min
FFP - Strong Blow, BOB in 3 Min. Gas to Surface in 35 min.
FSI - Blowdown 5 min, Blowback BOB in 4 Min

Recovery - Total Feet 1140 GIP _____ Ft. in DC _____ Ft. in DP _____

Rec. 1020	Feet of Gassy Oil	20 %gas	75 %oil	%water	5	%mud
Rec. 120	Feet of Muddy Gassy Oil	15 %gas	58 %oil	2 %water	25	%mud
Rec.	Feet of (Filtrate Water)	%gas	%oil	%water		%mud
Rec.	Feet of	%gas	%oil	%water		%mud
Rec.	Feet of	%gas	%oil	%water		%mud

BHT _____ °F Gravity 37 °API D @ 45 °F Corrected Gravity 38 °API

RW 49.0Ω @ 46° °F Chlorides _____ ppm Recovery _____ Chlorides 2,500 ppm System

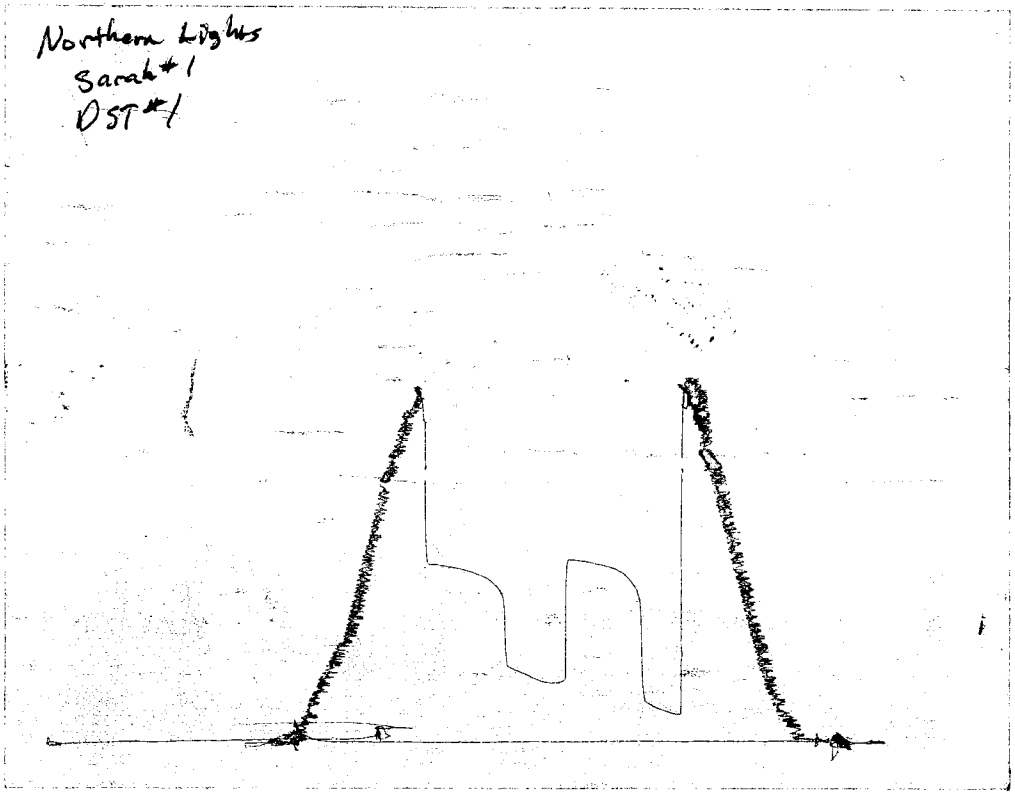
	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1961	PSI	Recorder No.	6741	Test ✓	1000
(B) First Initial Flow Pressure		43	PSI	(depth)	4104	Elec. Rec.	
(C) First Final Flow Pressure		238	PSI	Recorder No.	13221	Jars	
(D) Initial Shut-In Pressure		1046	PSI	(depth)	4163	Safety Jt.	
(E) Second Initial Flow Pressure		263	PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure		431	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure		1014	PSI	**Initial Opening**	30	Straddle	
(Q) Final Hydrostatic Mud		1917	PSI	Initial Shut-In	60	Ext. Packer	
				Final Flow	45	Shale Packer	
				Final Shut-In	60	Mileage	177 177
				T-On Location	23:00	Sub Total:	1177
				T-Started	00:02	Std. By	
				T-Open	1:49	Other	
				T-Pulled	5:04	Total:	
				T-Out	7:35		

Approved By _____

Our Representative Jason McLemore

CHART PAGE

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



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

05/03

№ 20270

Test Ticket

Well Name & No. Sarah #1 Test No. 2 Date 2-26-05

Company Northern Light Oil Co. LC Zone Tested LKC "J"

Address PO Box 164, Andover, Ks. 67002 Elevation 2641 KB 2636 GL

Co. Rep / Geo. Jeff Christian Cont. Mallard Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 27 Twp. 17s Rge. 27w Co. Lane State Ks

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4164-4195 Initial Str Wt./Lbs. 56,000 Unseated Str Wt/Lbs. 56,000

Anchor Length 31' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000

Top Packer Depth 4159 Tool Weight 2500

Bottom Packer Depth 4164 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 4195 Wt. Pipe Run 0 Drill Collar Run 245

Mud Wt. 9.0 LCM _____ Vis. 51 WL 10.6 Drill Pipe Size 4½ XH Ft. Run 3914

Blow Description IFP- Fair Blow, BOB in 19 min.
ISI- Dead
FFP- Strong Blow, BOB in 1 min.
FSI- Dead

Recovery - Total Feet 230 GIP 70 Ft. in DC _____ Ft. in DP _____

Rec. 30	Feet of Mud	%gas		%oil		%water		%mud	
Rec. 80	Feet of OCM	%gas	15	%oil		%water	85	%mud	
Rec. 120	Feet of Gassy Muddy Oil 30	%gas	40	%oil		%water	30	%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				
(A) Initial Hydrostatic Mud		2049	PSI	Recorder No.	6741	Test ✓ 1000
(B) First Initial Flow Pressure		17	PSI	(depth)	4167	Elec. Rec. ✓
(C) First Final Flow Pressure		55	PSI	Recorder No.	13221	Jars
(D) Initial Shut-In Pressure		290	PSI	(depth)	4192	Safety Jt.
(E) Second Initial Flow Pressure		56	PSI	Recorder No.		Circ Sub
(F) Second Final Flow Pressure		79	PSI	(depth)		Sampler
(G) Final Shut-In Pressure		285	PSI	**Initial Opening**	30	Straddle
(Q) Final Hydrostatic Mud		1999	PSI	Initial Shut-In	60	Ext. Packer
				Final Flow	45	Shale Packer
				Final Shut-In	60	Mileage 177 177
				T-On Location	13:31	Sub Total: 1177
				T-Started	14:49	Std. By
				T-Open	16:36	Other
				T-Pulled	19:51	Total:
				T-Out	21:50	

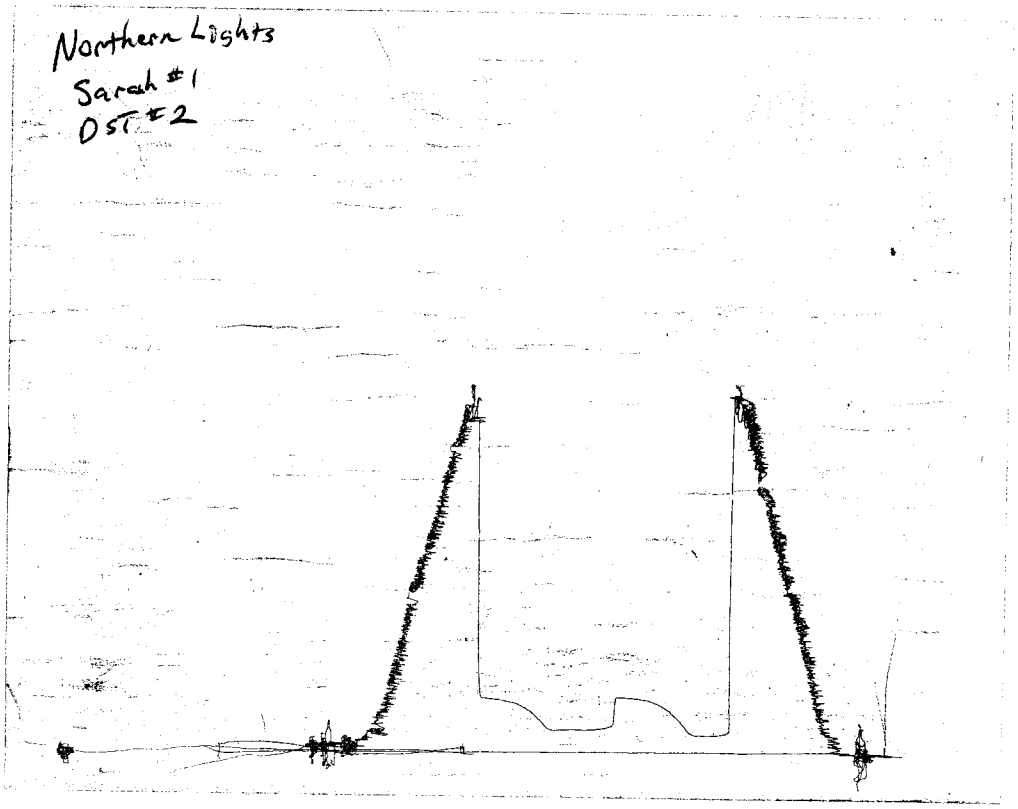
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By _____

Our Representative Jason McLemore 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

№ 20271

05/03

Test Ticket

Well Name & No. Sarah #1 Test No. 3 Date 2-27-05

Company Northern Light Oil Co. LC Zone Tested LKC "K"

Address PO Box 164, Andover, Ks. 67002 Elevation 2641 KB 2636 GL

Co. Rep / Geo. Jeff Christian Cont. Mallard Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 27 Twp. 17s Rge. 27w Co. Lane State Ks

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4198 - 4223 Initial Str Wt./Lbs. 56,000 Unseated Str Wt/Lbs. 56,000

Anchor Length 25' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 58,000

Top Packer Depth 4193 Tool Weight 2500

Bottom Packer Depth 4198 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 4223 Wt. Pipe Run 0 Drill Collar Run 245

Mud Wt. 9.0 LCM _____ Vis. 51 WL 10.6 Drill Pipe Size 4½ XH Ft. Run 3944

Blow Description IFP - Fair Blow, Built to 6½"

ISI - Dead

FFP - Fair Blow, Built to 8"

FSI - Dead

Recovery - Total Feet 150 GIP 30 Ft. in DC _____ Ft. in DP _____

Rec. 150 Feet of HOCM 37 %gas 25 %oil 3 %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 _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

	AK-1	Alpine					
(A) Initital Hydrostatic Mud		2070	PSI	Recorder No.	6741	Test ✓	1000
(B) First Initial Flow Pressure		13	PSI	(depth)	4200	Elec. Rec. ✓	
(C) First Final Flow Pressure		46	PSI	Recorder No.	13221	Jars	
(D) Initial Shut-In Pressure		526	PSI	(depth)	4220	Safety Jt.	
(E) Second Initial Flow Pressure		50	PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure		86	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure		514	PSI	**Initial Opening**	30	Straddle	
(Q) Final Hydrostatic Mud		2060	PSI	Initial Shut-In	60	Ext. Packer	
				Final Flow	45	Shale Packer	
				Final Shut-In	60	Mileage	122
				T-On Location	4:00	Sub Total:	1177
				T-Started	5:03	Std. By	
				T-Open	6:36	Other	
				T-Pulled	9:51	Total:	
				T-Out	11:40		

Approved By _____

Our Representative Jason McLemore

Thank You

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 20272

05/03

Test Ticket

Well Name & No. Sarah #1 Test No. 4 Date 2-27-05

Company Northern Light Oil Co. LC Zone Tested LKC - "L"

Address PO BOX 164, Andover, Ks. 67002 Elevation 2641 KB 2636 GL

Co. Rep / Geo. Jeff Christian Cont. Mallard Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 27 Twp. 17s Rge. 27w Co. Lane State Ks

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4229 - 4268 Initial Str Wt./Lbs. 57,000 Unseated Str Wt/Lbs. 59,000

Anchor Length 39' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 60,000

Top Packer Depth 4224 Tool Weight 3000

Bottom Packer Depth 4229 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 4268 Wt. Pipe Run 0 Drill Collar Run 245

Mud Wt. 9.0 LCM _____ Vis. 50 WL 9.6 Drill Pipe Size 4½XH Ft. Run 3974

Blow Description IFP- Strong Blow, BOB in 2½ Min

ISI- Dead for 30 Min, Weak surface Blowback

FFP- Fair Blow, BOB in 10 Min

FSI- Surface Blowback after 25 Min.

Recovery - Total Feet 1075 GIP 315 Ft. in DC _____ Ft. in DP _____

Rec. 10 Feet of HOCMW 20 %gas 35 %oil 30 %water 15 %mud

Rec. 1065 Feet of MW %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 126° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

RW .193 @ 35° °F Chlorides 62,000 ppm Recovery _____ Chlorides 3,000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud		2032 PSI	Recorder No.	6741	Test ✓	1000
(B) First Initial Flow Pressure		68 PSI	(depth)	4232	Elec. Rec. ✓	
(C) First Final Flow Pressure		409 PSI	Recorder No.	13221	Jars	
(D) Initial Shut-In Pressure		657 PSI	(depth)	4265	Safety Jt.	
(E) Second Initial Flow Pressure		418 PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure		551 PSI	(depth)		Sampler	
(G) Final Shut-In Pressure		654 PSI	**Initial Opening**	30	Straddle	
(Q) Final Hydrostatic Mud		1973 PSI	Initial Shut-In	~~45~~ 60	Ext. Packer	
			Final Flow	30 ~~45~~	Shale Packer	
			Final Shut-In	60	Mileage	177
			T-On Location	19:00	Sub Total:	1177
			T-Started	19:46	Std. By	
			T-Open	21:35	Other	
			T-Pulled	00:35	Total:	
			T-Out	3:00		

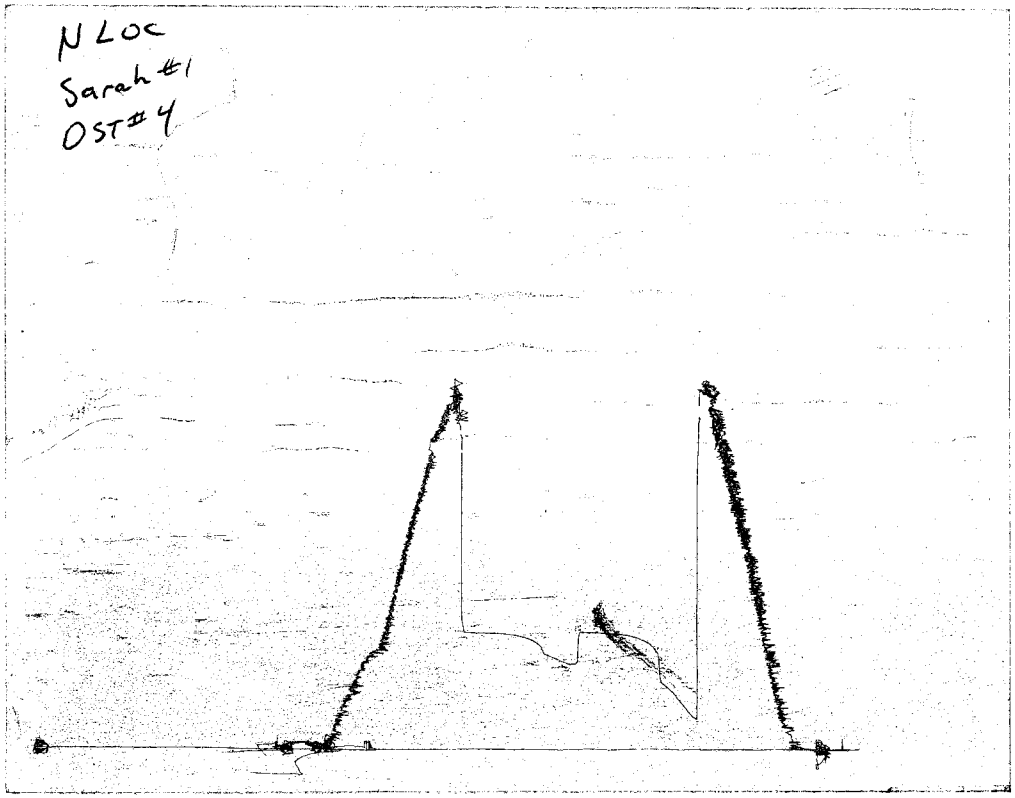
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST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

Approved By _____

Our Representative Jason McLemore

CHART PAGE

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



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 20273

05/03

Test Ticket

Well Name & No. Sarah #1 Test No. 5 Date 3-1-05

Company Northern Light Oil Co. LC. Zone Tested Cherokee Sand

Address PO Box 164, Andover, Ks. 67002 Elevation 2641 KB 2636 GL

Co. Rep / Geo. Jeff Christian Cont. Mallard Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 27 Twp. 17s Rge. 27w Co. Lane State Ks

No. of Copies Reg Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4520 - 4545 Initial Str Wt./Lbs. 60,000 Unseated Str Wt/Lbs. 60000

Anchor Length 25' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 62,000

Top Packer Depth 4515 Tool Weight 2400

Bottom Packer Depth 4520 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 4545 Wt. Pipe Run 0 Drill Collar Run 245

Mud Wt. 9.1 LCM _____ Vis. 51 WL 10.6 Drill Pipe Size 4½ XH Ft. Run 4285

Blow Description IFP - Fair Blow, BOB in 26 Min

ISI - Surface Blowback

FFP - Fair Blow, BOB in 27 Min.

FSI - Blowback Built to 1½"

Recovery - Total Feet 350 GIP 550' Ft. in DC _____ Ft. in DP _____

Rec. 110	Feet of Clean Oil	%gas	%oil	%water	%mud
Rec. 60	Feet of Muddy Oil	10 %gas	75 %oil	%water	15 %mud
Rec. 180	Feet of Gassy Muddy Oil	50 %gas	35 %oil	%water	15 %mud
Rec. _____	Feet of _____	%gas	%oil	%water	%mud
Rec. _____	Feet of _____	%gas	%oil	%water	%mud

BHT 132° °F Gravity 36 °API D @ 40 °F Corrected Gravity 38 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 3500 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud		2239	PSI	Recorder No.	6741	Test ✓ 1000
(B) First Initial Flow Pressure		16	PSI	(depth)	4522	Elec. Rec. ✓
(C) First Final Flow Pressure		81	PSI	Recorder No.	13221	Jars
(D) Initial Shut-In Pressure		1263	PSI	(depth)	4542	Safety Jt.
(E) Second Initial Flow Pressure		92	PSI	Recorder No.		Circ Sub
(F) Second Final Flow Pressure		132	PSI	(depth)		Sampler
(G) Final Shut-In Pressure		1241	PSI	**Initial Opening**	30	Straddle
(Q) Final Hydrostatic Mud		2225	PSI	Initial Shut-In	60	Ext. Packer
				Final Flow	45	Shale Packer
				Final Shut-In	60	Mileage 2626
				T-On Location	00:33	Sub Total: 1026
				T-Started	1:41	Std. By
				T-Open	3:36	Other
				T-Pulled	6:50	Total:
				T-Out	9:10	

Approved By _____

Our Representative Jason McLemore Thank You

CHART PAGE

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