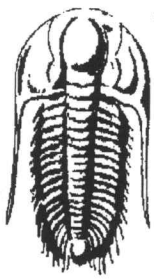


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

Po Box 352
Russell KS 67665

ATTN: Randy Killian

9-10s-21w Graham

Hayes #1

Start Date: 2006.01.22 @ 04:52:28
End Date: 2006.01.22 @ 11:20:13
Job Ticket #: 23611 DST #: 1

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

DRILL STEM TEST REPORT

John O Farmer, Inc.

Po Box 352
Russell KS 67665

ATTN: Randy Killian

Hayes #1

9-10s-21w Graham

Job Ticket: 23611 **DST#: 1**

Test Start: 2006.01.22 @ 04:52:28

GENERAL INFORMATION:

Formation: **LKC- C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:36:43
Time Test Ended: 11:20:13

Test Type: Conventional Bottom Hole
Tester: Michael Armbrister
Unit No: 22

Interval: 3570.00 ft (KB) To 3595.00 ft (KB) (TVD)
Total Depth: 3595.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

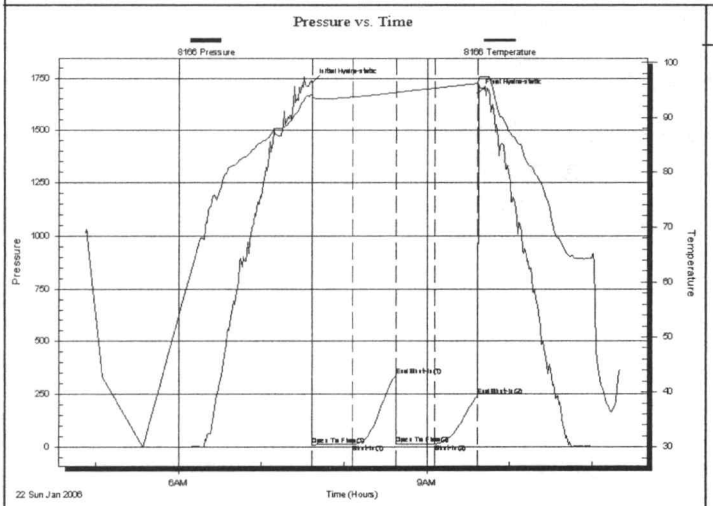
Reference Elevations: 2285.00 ft (KB)
2277.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8166 **Inside**

Press@RunDepth: 13.67 psig @ 3571.00 ft (KB)
Start Date: 2006.01.22 End Date: 2006.01.22
Start Time: 04:52:29 End Time: 11:20:13

Capacity: 7000.00 psig
Last Calib.: 2006.01.22
Time On Btm: 2006.01.22 @ 07:36:28
Time Off Btm: 2006.01.22 @ 09:37:13

TEST COMMENT: IF- Built to 1/4"in 10m died off to a w eak surface blow
ISI- no blow
FF- w eak surface blow died 15m
FSI- no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.53	94.14	Initial Hydro-static
1	9.09	93.47	Open To Flow (1)
30	11.97	93.73	Shut-In(1)
61	339.38	94.57	End Shut-In(1)
62	12.64	94.53	Open To Flow (2)
90	13.67	95.38	Shut-In(2)
120	243.66	96.21	End Shut-In(2)
121	1678.24	96.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling mud	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

Po Box 352
Russell KS 67665

ATTN: Randy Killian

Hayes #1

9-10s-21w Graham

Job Ticket: 23611 **DST#: 1**

Test Start: 2006.01.22 @ 04:52:28

Tool Information

Drill Pipe:	Length:	3543.00 ft	Diameter:	3.80 inches	Volume:	49.70 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	
					Total Volume:	49.85 bbl	

Drill Pipe Above KB:	23.00 ft
Depth to Top Packer:	3570.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	25.00 ft
Tool Length:	45.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2000.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	40000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	40000.00 lb
Final	40000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3555.00		
Hydraulic tool	5.00			3560.00		
Packer	5.00			3565.00	20.00	Bottom Of Top Packer
Packer	5.00			3570.00		
Stubb	1.00			3571.00		
Recorder	0.00	8166	Inside	3571.00		
Perforations	21.00			3592.00		
Recorder	0.00	11020	Inside	3592.00		
Bullnose	3.00			3595.00	25.00	Bottom Packers & Anchor
Total Tool Length:	**45.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

Po Box 352
Russell KS 67665

ATTN: Randy Killian

Hayes #1

9-10s-21w Graham

Job Ticket: 23611 **DST#: 1**

Test Start: 2006.01.22 @ 04:52:28

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

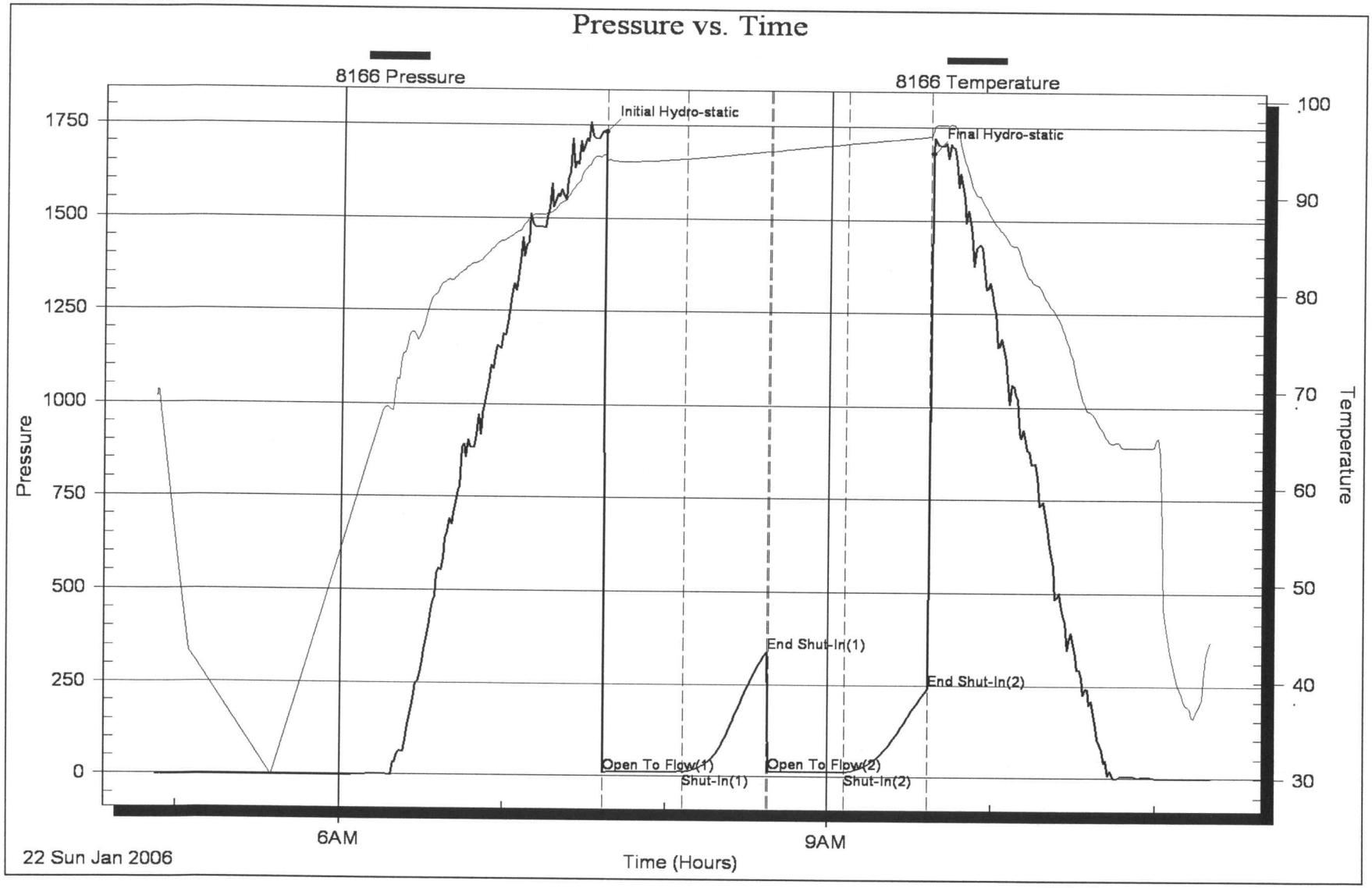
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drilling mud	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:


Pressure vs. Time
8166 Pressure
8166 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
1750
1500
1250
1000
750
500
250
0
100
90
80
70
60
50
40
30
6AM
9AM
22 Sun Jan 2006
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

Po Box 352
Russell KS 67665

ATTN: Randy Killian

9-10s-21w Graham

Hayes #1

Start Date: 2006.01.22 @ 18:51:21
End Date: 2006.01.23 @ 01:07:06
Job Ticket #: 23612 DST #: 2

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

DRILL STEM TEST REPORT

John O Farmer, Inc.

Po Box 352
Russell KS 67665

ATTN: Randy Killian

Hayes #1

9-10s-21w Graham

Job Ticket: 23612 **DST#: 2**

Test Start: 2006.01.22 @ 18:51:21

GENERAL INFORMATION:

Formation: **LKC E-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:37:51
Time Test Ended: 01:07:06

Test Type: Conventional Bottom Hole
Tester: Michael Armbrister
Unit No: 22

Interval: 3609.00 ft (KB) To 3638.00 ft (KB) (TVD)
Total Depth: 3638.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

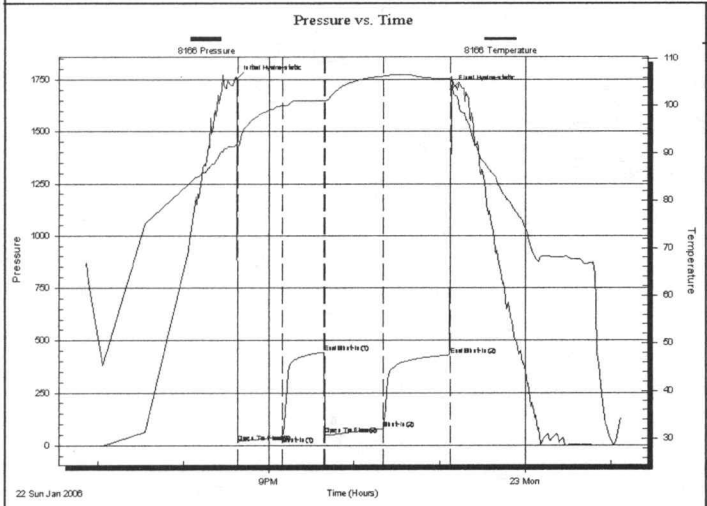
Reference Elevations: 2285.00 ft (KB)
2277.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8166 **Inside**

Press@RunDepth: 78.87 psig @ 3610.00 ft (KB)
Start Date: 2006.01.22 End Date: 2006.01.23
Start Time: 18:51:22 End Time: 01:07:06

Capacity: 7000.00 psig
Last Calib.: 2006.01.23
Time On Btm: 2006.01.22 @ 20:37:21
Time Off Btm: 2006.01.22 @ 23:07:51

TEST COMMENT: IF- B of B 10m
ISI- 2" blow back
FF- B of B 10m
FSI- 2" blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.02	91.79	Initial Hydro-static
1	12.13	91.24	Open To Flow (1)
33	44.45	100.12	Shut-In(1)
62	443.73	101.06	End Shut-In(1)
62	48.14	100.99	Open To Flow (2)
103	78.87	106.27	Shut-In(2)
150	430.21	105.69	End Shut-In(2)
151	1703.50	106.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Oil ct mud 5%g 40%o55%m	0.15
160.00	Clean gassy oil 10%g 90%O	2.24
0.00	549 Gip	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

Po Box 352
Russell KS 67665

ATTN: Randy Killian

Hayes #1

9-10s-21w Graham

Job Ticket: 23612 **DST#: 2**

Test Start: 2006.01.22 @ 18:51:21

Tool Information

Drill Pipe:	Length:	3575.00 ft	Diameter:	3.80 inches	Volume:	50.15 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:		25000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		42000.00 lb
					Total Volume:	50.30 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		16.00 ft					String Weight:	Initial	42000.00 lb
Depth to Top Packer:		3609.00 ft						Final	42000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		29.00 ft							
Tool Length:		49.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3594.00		
Hydraulic tool	5.00			3599.00		
Packer	5.00			3604.00	20.00	Bottom Of Top Packer
Packer	5.00			3609.00		
Stubb	1.00			3610.00		
Recorder	0.00	8166	Inside	3610.00		
Perforations	25.00			3635.00		
Recorder	0.00	11020	Inside	3635.00		
Bullnose	3.00			3638.00	29.00	Bottom Packers & Anchor
Total Tool Length:	**49.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

Po Box 352
Russell KS 67665

ATTN: Randy Killian

Hayes #1

9-10s-21w Graham

Job Ticket: 23612 **DST#: 2**

Test Start: 2006.01.22 @ 18:51:21

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.77 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

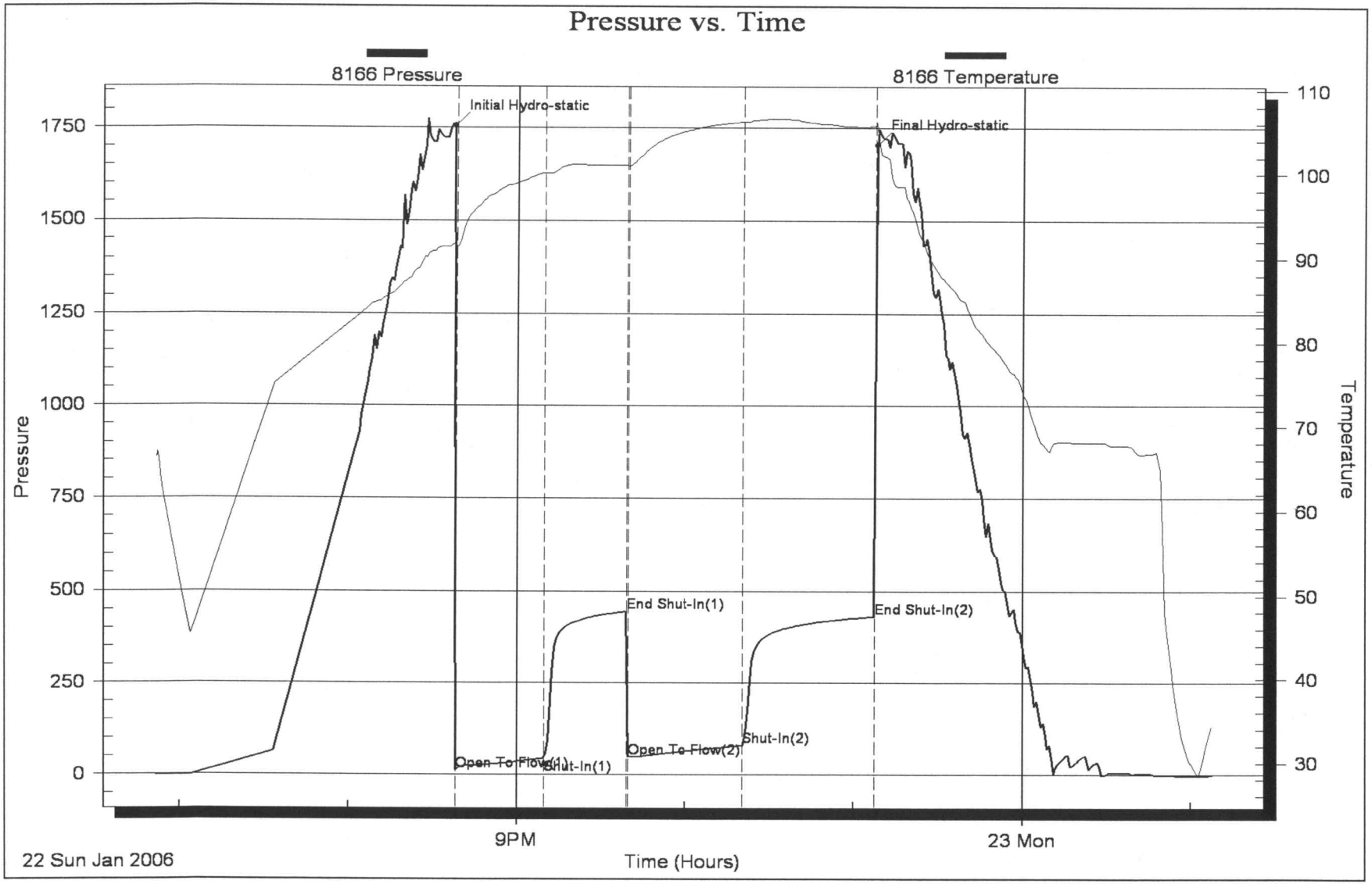
Recovery Information

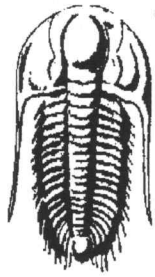
Recovery Table

Length ft	Description	Volume bbl
30.00	Oil ct mud 5%g 40%o55%m	0.148
160.00	Clean gassy oil 10%g 90%O	2.244
0.00	549 Gip	0.000

Total Length: 190.00 ft Total Volume: 2.392 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
8166 Pressure
8166 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)
1750
1500
1250
1000
750
500
250
0
Pressure
110
100
90
80
70
60
50
40
30
Temperature
9PM
23 Mon
22 Sun Jan 2006
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

Po Box 352
Russell KS 67665

ATTN: Randy Killian

9-10s-21w Graham

Hayes #1

Start Date: 2006.01.23 @ 13:00:23
End Date: 2006.01.23 @ 19:50:08
Job Ticket #: 23613 DST #: 3

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

DRILL STEM TEST REPORT

John O Farmer, Inc.

Po Box 352
Russell KS 67665

ATTN: Randy Killian

Hayes #1

9-10s-21w Graham

Job Ticket: 23613 **DST#: 3**

Test Start: 2006.01.23 @ 13:00:23

GENERAL INFORMATION:

Formation: **LKC -I J**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:53:53
Time Test Ended: 19:50:08

Test Type: Conventional Bottom Hole
Tester: Michael Armbrister
Unit No: 22

Interval: 3692.00 ft (KB) To 3735.00 ft (KB) (TVD)
Total Depth: 3735.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

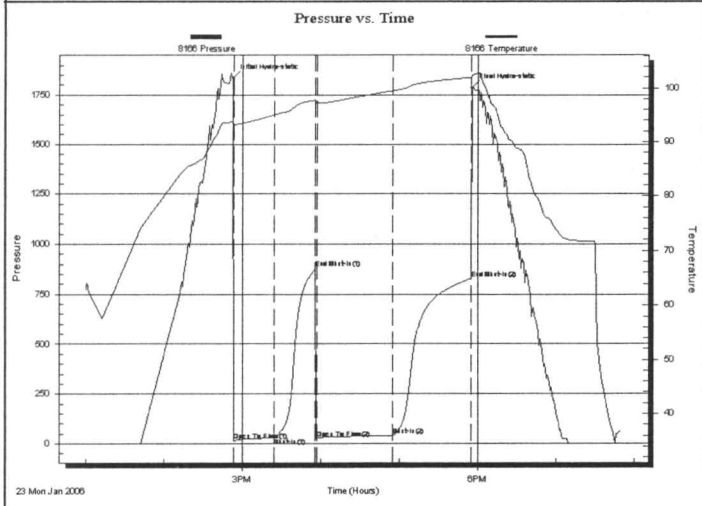
Reference Elevations: 2285.00 ft (KB)
2277.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8166 **Inside**

Press@RunDepth: 39.99 psig @ 3727.00 ft (KB)
Start Date: 2006.01.23 End Date: 2006.01.23
Start Time: 13:00:24 End Time: 19:50:08

Capacity: 7000.00 psig
Last Calib.: 2006.01.23
Time On Btm: 2006.01.23 @ 14:53:23
Time Off Btm: 2006.01.23 @ 17:55:08

TEST COMMENT: IF- slow building 3" blow
ISI- no blow
FF- Slow building 6" blow
FSI- no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1835.47	93.70	Initial Hydro-static
1	13.16	93.27	Open To Flow (1)
31	28.49	94.98	Shut-In(1)
63	879.61	97.77	End Shut-In(1)
63	22.37	97.20	Open To Flow (2)
122	39.99	99.50	Shut-In(2)
181	827.20	101.92	End Shut-In(2)
182	1787.20	102.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Oil cut mud 40%o 60%m	0.36
20.00	Clean oil	0.28
0.00	180 Gip	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

Po Box 352 ·
Russell KS 67665

ATTN: Randy Killian

Hayes #1

9-10s-21w Graham

Job Ticket: 23613 **DST#: 3**

Test Start: 2006.01.23 @ 13:00:23

Tool Information

Drill Pipe:	Length:	3667.00 ft	Diameter:	3.80 inches	Volume:	51.44 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:		25000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		41000.00 lb
					Total Volume:	51.59 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		25.00 ft					String Weight:	Initial	41000.00 lb
Depth to Top Packer:		3692.00 ft						Final	41000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		43.00 ft							
Tool Length:		63.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3677.00		
Hydraulic tool	5.00			3682.00		
Packer	5.00			3687.00	20.00	Bottom Of Top Packer
Packer	5.00			3692.00		
Stubb	1.00			3693.00		
Perforations	1.00			3694.00		
Change Over Sub	1.00			3695.00		
Drill Pipe	31.00			3726.00		
Change Over Sub	1.00			3727.00		
Recorder	0.00	8166	Inside	3727.00		
Perforations	5.00			3732.00		
Recorder	0.00	11020	Inside	3732.00		
Bullnose	3.00			3735.00	43.00	Bottom Packers & Anchor
Total Tool Length:	**63.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

Po Box 352
Russell KS 67665

ATTN: Randy Killian

Hayes #1

9-10s-21w Graham

Job Ticket: 23613 **DST#: 3**

Test Start: 2006.01.23 @ 13:00:23

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.77 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

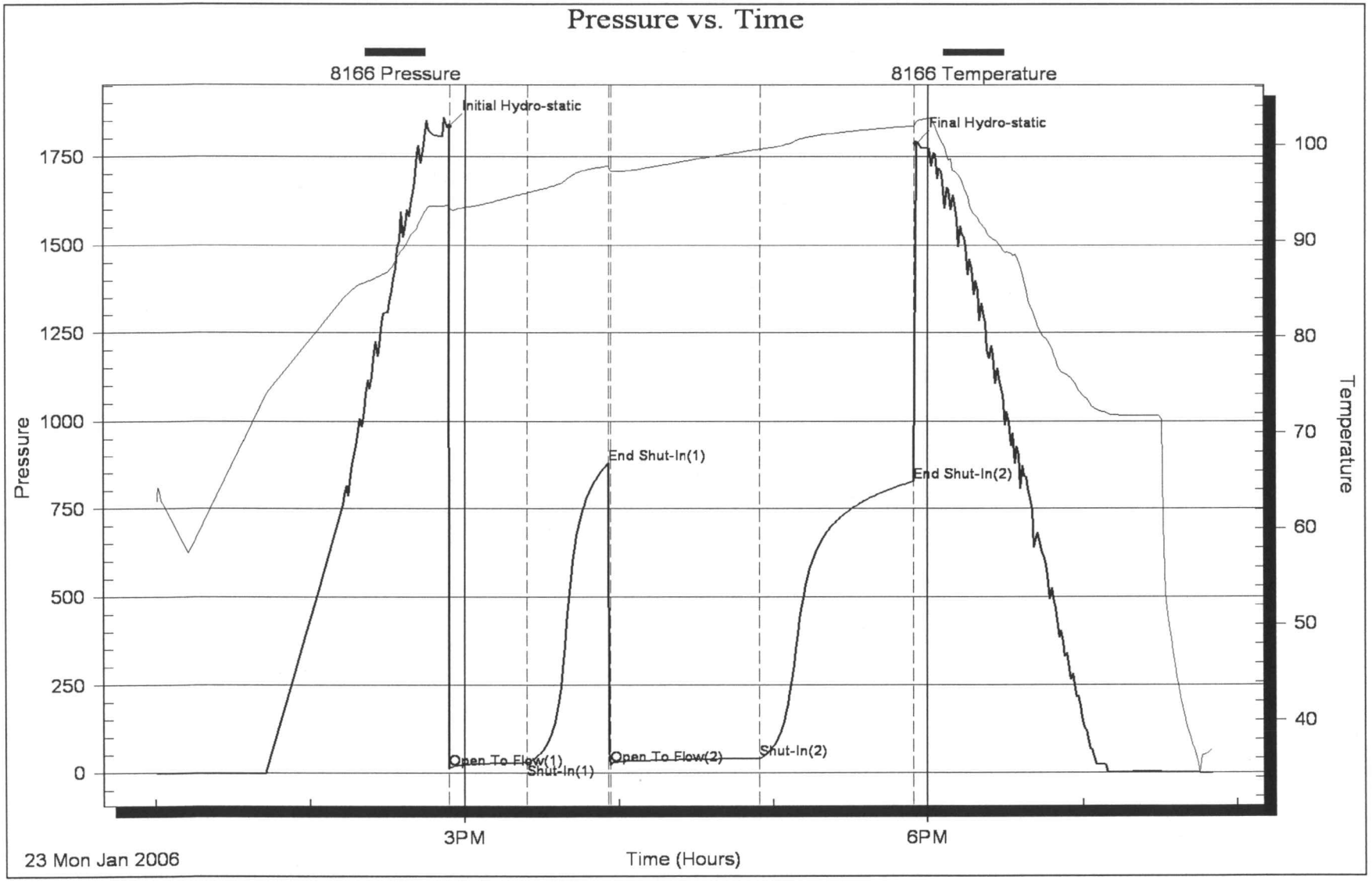
Length ft	Description	Volume bbl
45.00	Oil cut mud 40%o 60%m	0.358
20.00	Clean oil	0.281
0.00	180 Gip	0.000

Total Length: 65.00 ft Total Volume: 0.639 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8166 Pressure
8166 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
1750
1500
1250
1000
750
500
250
0
100
90
80
70
60
50
40
3PM
6PM
23 Mon Jan 2006
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer, Inc.**

Po Box 352
Russell KS 67665

ATTN: Randy Killian

9-10s-21w Graham

Hayes #1

Start Date: 2006.01.24 @ 19:25:55
End Date: 2006.01.25 @ 02:57:25
Job Ticket #: 24606 DST #: 4

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

DRILL STEM TEST REPORT

John O Farmer, Inc.

Po Box 352
Russell KS 67665

ATTN: Randy Killian

Hayes #1

9-10s-21w Graham

Job Ticket: 24606 **DST#: 4**

Test Start: 2006.01.24 @ 19:25:55

GENERAL INFORMATION:

Formation: **ARB**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:05:40
Time Test Ended: 02:57:25

Test Type: Conventional Straddle
Tester: Joe
Unit No: 22

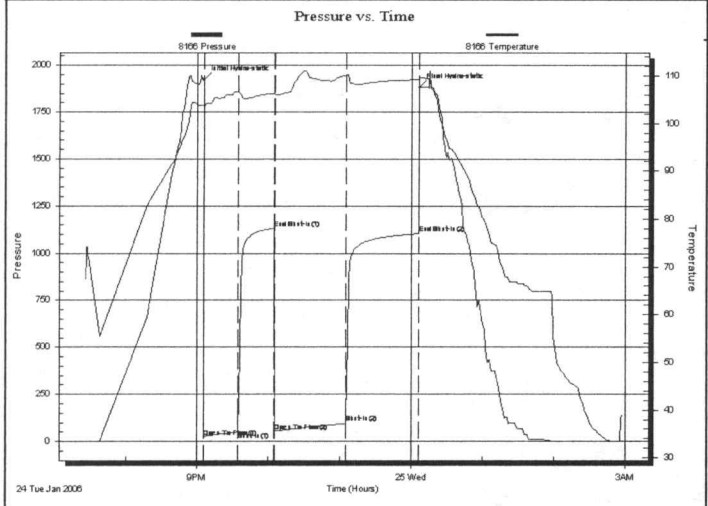
Interval: 3842.00 ft (KB) To 3880.00 ft (KB) (TVD)
Total Depth: 3950.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2285.00 ft (KB)
2277.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8166 **Inside**
Press@RunDepth: 95.52 psig @ 3843.00 ft (KB)
Start Date: 2006.01.24 End Date: 2006.01.25
Start Time: 19:25:56 End Time: 02:57:25

Capacity: 7000.00 psig
Last Calib.: 2006.01.25
Time On Btm: 2006.01.24 @ 21:05:25
Time Off Btm: 2006.01.25 @ 00:06:55

TEST COMMENT: IF-Good blow built to 6.5" in
ISI-No Blow back
FF-Weak Blow built to 2" in
FSI-No Blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1922.79	103.75	Initial Hydro-static
1	21.11	103.19	Open To Flow (1)
29	50.13	106.49	Shut-In(1)
60	1132.82	106.27	End Shut-In(1)
60	53.61	105.95	Open To Flow (2)
120	95.52	110.11	Shut-In(2)
181	1104.54	109.12	End Shut-In(2)
182	1882.58	109.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	MCO30%M70%O	0.60
31.00	GyO20%G80%O	0.43
103.00	VeryGassyOil40%O60%G	1.44

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer, Inc.

Po Box 352
Russell KS 67665

ATTN: Randy Killian

Hayes #1

9-10s-21w Graham

Job Ticket: 24606 **DST#: 4**

Test Start: 2006.01.24 @ 19:25:55

Tool Information

Drill Pipe:	Length:	3824.00 ft	Diameter:	3.80 inches	Volume:	53.64 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:	25000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:	42000.00 lb
					Total Volume:	53.79 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		32.00 ft					String Weight: Initial	42000.00 lb
Depth to Top Packer:		3842.00 ft					Final	42000.00 lb
Depth to Bottom Packer:		3880.00 ft						
Interval betw een Packers:		38.00 ft						
Tool Length:		129.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3827.00		
Hydraulic tool	5.00			3832.00		
Packer	5.00			3837.00	20.00	Bottom Of Top Packer
Packer	5.00			3842.00		
Stubb	1.00			3843.00		
Recorder	0.00	8166	Inside	3843.00		
Perforations	33.00			3876.00		
Recorder	0.00	11020	Inside	3876.00		
Blank Off Sub	1.00			3877.00		
Stubb	3.00			3880.00	38.00	Tool Interval
Packer	2.00			3882.00		
Change Over Sub	1.00			3883.00		
Blank Spacing	62.00			3945.00		
Change Over Sub	1.00			3946.00		
Perforations	2.00			3948.00		
Recorder	0.00	16601		3948.00		
Bullnose	3.00			3951.00	71.00	Bottom Packers & Anchor
Total Tool Length:	**129.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer, Inc.

Po Box 352
Russell KS 67665

ATTN: Randy Killian

Hayes #1

9-10s-21w Graham

Job Ticket: 24606 **DST#: 4**

Test Start: 2006.01.24 @ 19:25:55

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:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

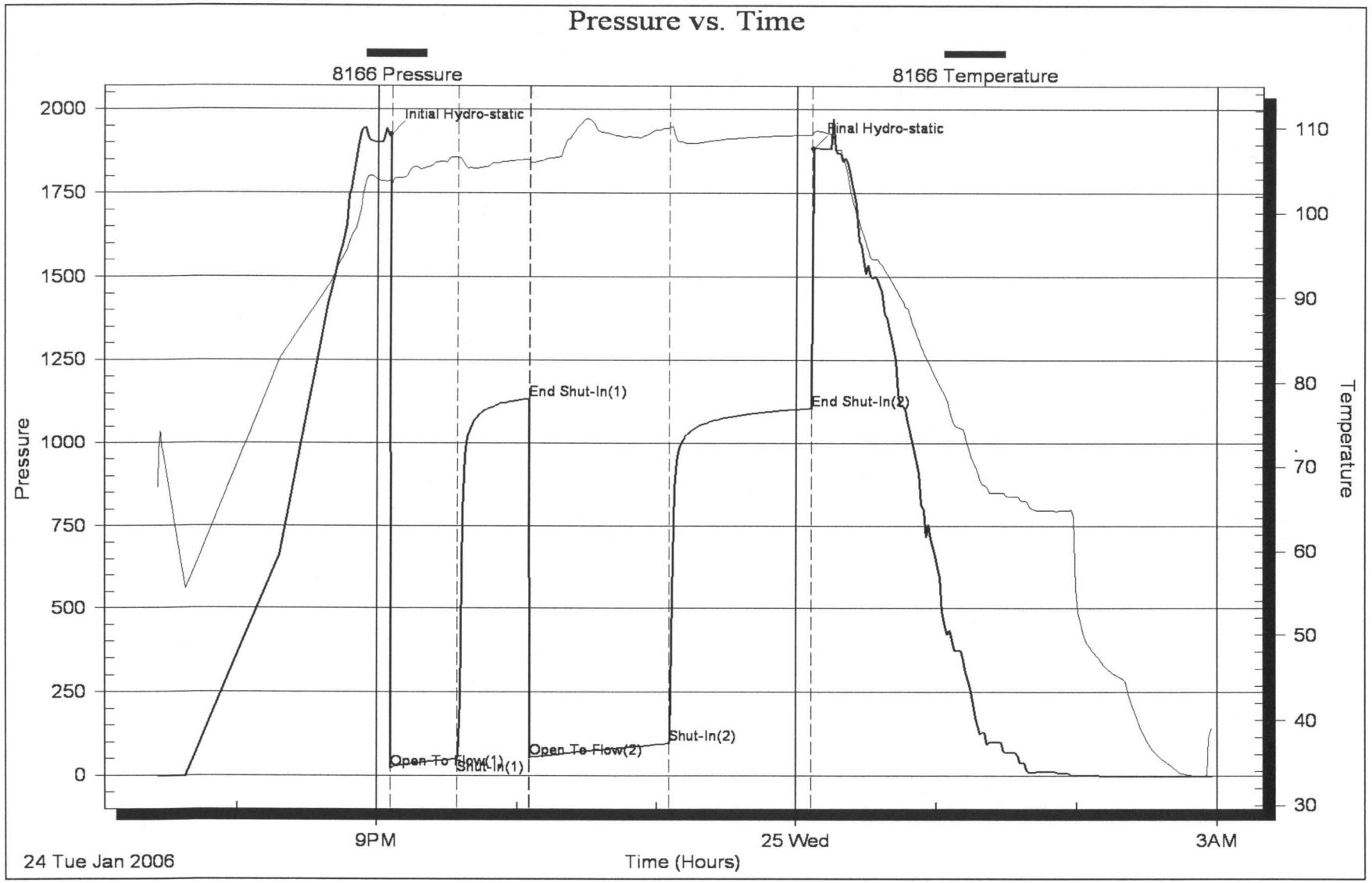
Length ft	Description	Volume bbl
62.00	MCO30%M70%O	0.596
31.00	GyO20%G80%O	0.435
103.00	VeryGassyOil40%O60%G	1.445

Total Length: 196.00 ft Total Volume: 2.476 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8166 Pressure
8166 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
110
100
90
80
70
60
50
40
30
9PM
25 Wed
3AM
24 Tue Jan 2006
Time (Hours)

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

9/04

INV 8344 № 23611

Test Ticket

Well Name & No. Hayes #2 Test No. 1 Date 1-22-06
Company JO Farmer Inc. Zone Tested LKC-C
Address Russell KS Elevation 2285 KB 2277 GL
Co. Rep / Geo. Randy Killian Cont. Discovery 3 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 9 Twp. 10s Rge. 21w Co. Graham State KS
No. of Copies _____ Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3570 - 3595 Initial Str Wt./Lbs. 40,000 Unseated Str Wt/Lbs. 40,000
Anchor Length 25 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 40,000
Top Packer Depth 3565 Tool Weight 2,000
Bottom Packer Depth 3570 Hole Size 7 7/8" — Rubber Size 6 3/4" —
Total Depth 3595 Wt. Pipe Run — Drill Collar Run 30
Mud Wt. 8.8 LCM 1/2 Vis. 50 WL 8.0 Drill Pipe Size 4.5 Ft. Run 3543

Blow Description IF - Weak blow built to 1/4" in 10m Died back to surface blow
ISI - No Blow
FF - Weak surface blow died after 15m
FSI - No Blow

Recovery - Total Feet 5 GIP _____ Ft. in DC _____ Ft. in DP _____

Rec. 5	Feet of Drilling Mud	%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 97 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides _____ ppm System

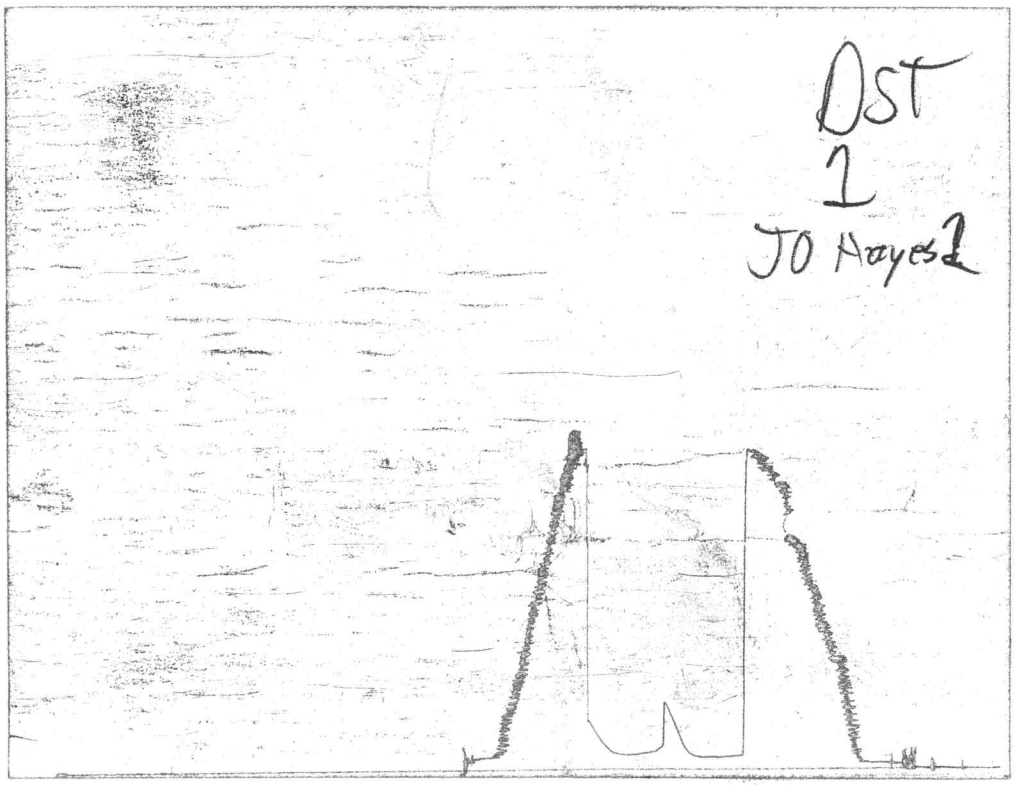
	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1732	PSI	Recorder No.	8146	Test 1000
(B) First Initial Flow Pressure		9	PSI	(depth)	3572	Jars _____
(C) First Final Flow Pressure		12	PSI	Recorder No.	11020	Safety Jt. _____
(D) Initial Shut-In Pressure		339	PSI	(depth)	3592	Circ Sub _____
(E) Second Initial Flow Pressure		13	PSI	Recorder No.		Sampler _____
(F) Second Final Flow Pressure		14	PSI	(depth)		Straddle _____
(G) Final Shut-In Pressure		244	PSI	**Initial Opening**	30	Ext. Packer _____
(Q) Final Hydrostatic Mud		1678	PSI	Initial Shut-In	30	Shale Packer _____
				Final Flow	30	Ruined Packer _____
				Final Shut-In	30	Mileage 102 102
				T-On Location	4:30	Sub Total: 1102
				T-Started	4:52	Std. By _____
				T-Open	7:35	Other _____
				T-Pulled	9:35	Total: _____
				T-Out	11:10	

Approved By _____

Our Representative Michael Armbrister

CHART PAGE

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



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

9/04

№ 23612

Test Ticket

Well Name & No. Hayes #1 Test No. 2 Date 1-22-06

Company JD Farmer Zone Tested LKC-E-7

Address Russell KS Elevation 2285 KB 2277 GL

Co. Rep / Geo. Randy Killian Cont. Discovery 3 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 9 Twp. 10S Rge. 21W Co. Graham State KS

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

Interval Tested 3609-3638 Initial Str Wt./Lbs. 42,000 Unseated Str Wt/Lbs. 42,000

Anchor Length 29 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 42,000

Top Packer Depth 3604 Tool Weight 2,000

Bottom Packer Depth 3609 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3638 Wt. Pipe Run 0 Drill Collar Run 30

Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4½ Ft. Run 3575

Blow Description IF-BofB 10m
ISI-2" Blow Back
FF-BofB 10m
FSI-2" Blow Back

Recovery - Total Feet 190 GIP 549 Ft. in DC _____ Ft. in DP _____

Rec. 30	Feet of Oil cut Mud	5	%gas	40	%oil		%water	55	%mud
Rec. 160	Feet of Clean Gassy Oil	10	%gas	90	%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 106 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

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

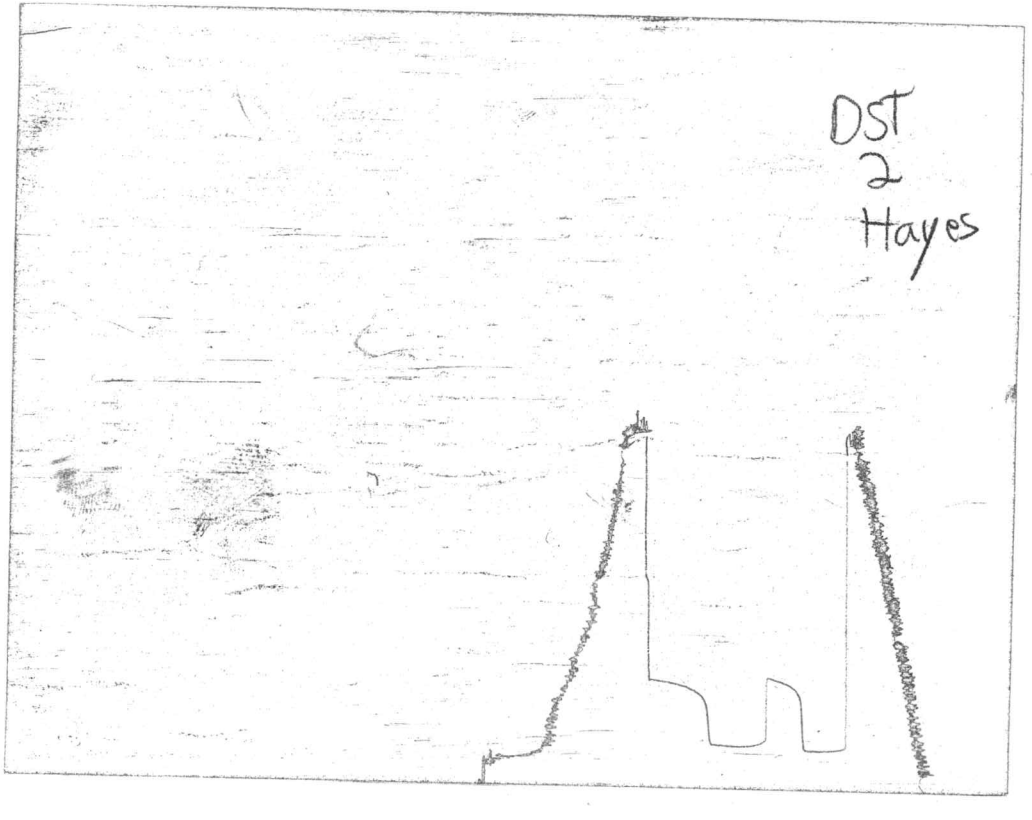
	AK-1	Alpine				
(A) Initial Hydrostatic Mud		1755	PSI	Recorder No.	8166	Test 5 1000
(B) First Initial Flow Pressure		12	PSI	(depth)	3612	Jars
(C) First Final Flow Pressure		44	PSI	Recorder No.	11020	Safety Jt.
(D) Initial Shut-In Pressure		444	PSI	(depth)	3637	Circ Sub
(E) Second Initial Flow Pressure		48	PSI	Recorder No.		Sampler
(F) Second Final Flow Pressure		79	PSI	(depth)		Straddle
(G) Final Shut-In Pressure		430	PSI	**Initial Opening**	30	Ext. Packer
(Q) Final Hydrostatic Mud		1704	PSI	Initial Shut-In	30	Shale Packer
				Final Flow	45	Ruined Packer
				Final Shut-In	45	Mileage 102 102
				T-On Location	18:45	Sub Total: 1102
				T-Started	18:51	Std. By
				T-Open	20:40	Other
				T-Pulled	23:10	Total:
				T-Out	00:50	

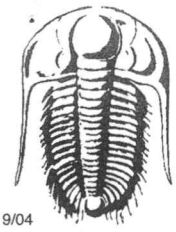
Approved By _____

Our Representative Michael Armbrister

CHART PAGE

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





9/04

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 23613

Test Ticket

Well Name & No. Hayes #1 Test No. 3 Date 1-23-05

Company JO Farmer Zone Tested LKC-IJ

Address Russell KS Elevation 2285 KB 2277 GL

Co. Rep / Geo. Randy Killian Cont. Discovery Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 9 Twp. 10s Rge. 21w Co. Graham State KS

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

Interval Tested 3692 - 3735 Initial Str Wt./Lbs. 41,000 Unseated Str Wt/Lbs. 41,000

Anchor Length 43 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 41,000

Top Packer Depth 3687 Tool Weight 2,000

Bottom Packer Depth 3692 Hole Size 7 7/8" — Rubber Size 6 3/4" —

Total Depth 3735 Wt. Pipe Run — Drill Collar Run 30

Mud Wt. _____ LCM _____ Vis. _____ WL _____ Drill Pipe Size 4 1/2 Ft. Run 3667

Blow Description IF- Slow building 3" Blow
ISI- No Blow
FF- Slow building 6" Blow
FSI- No Blow

Recovery - Total Feet 65 GIP _____ Ft. in DC _____ Ft. in DP _____

Rec. 20	Feet of Clean Oil	%gas 5	%oil 95	%water	%mud
Rec. 45	Feet of Oil cut Mud	%gas	%oil 40	%water 60	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud
Rec.	Feet of	%gas	%oil	%water	%mud

BHT 102 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

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

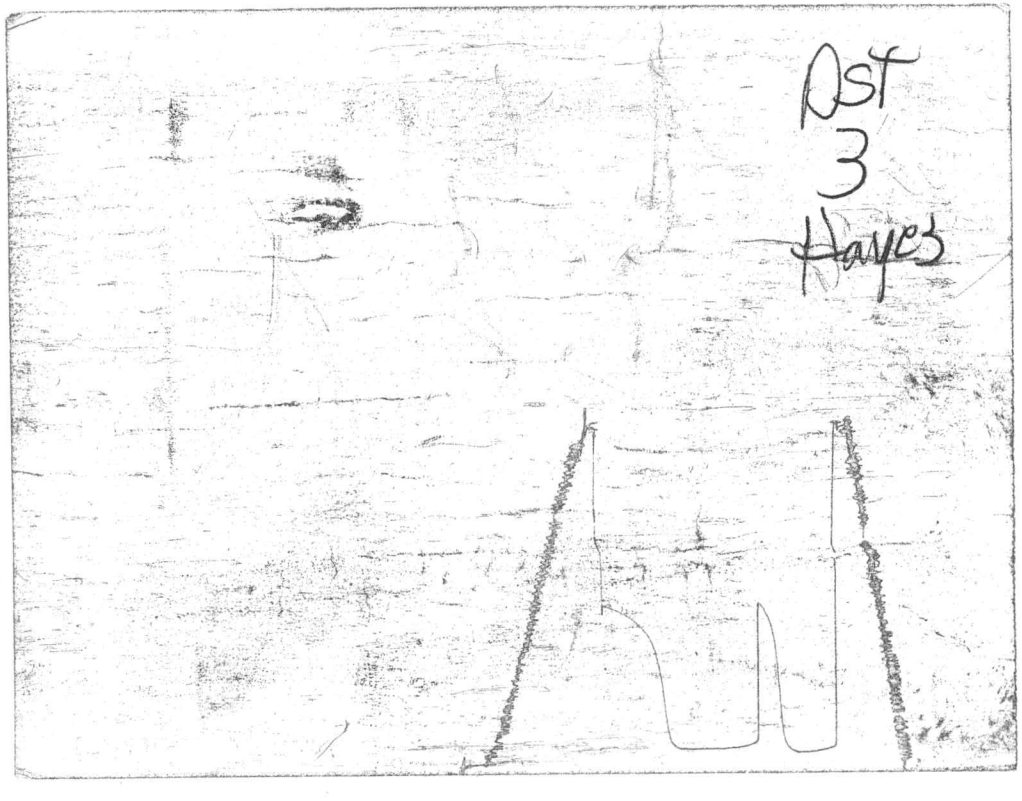
	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1835	PSI	Recorder No.	8166	Test	1000
(B) First Initial Flow Pressure		13	PSI	(depth)	3694	Jars	
(C) First Final Flow Pressure		28	PSI	Recorder No.	11020	Safety Jt.	
(D) Initial Shut-In Pressure		880	PSI	(depth)	3734	Circ Sub	
(E) Second Initial Flow Pressure		22	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure		40	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure		827	PSI	**Initial Opening**	30	Ext. Packer	
(Q) Final Hydrostatic Mud		1787	PSI	Initial Shut-In	30	Shale Packer	
				Final Flow	60	Ruined Packer	
				Final Shut-In	60	Mileage 102	102
				T-On Location	12:30	Sub Total:	1102
				T-Started	13:00	Std. By	
				T-Open	15:00	Other	
				T-Pulled	18:00	Total:	
				T-Out	20:00		

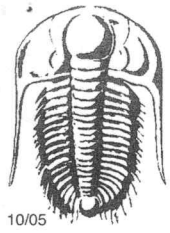
Approved By _____

Our Representative Michael Armbruster

CHART PAGE

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





10/05

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 24606

Test Ticket

Well Name & No. Hayes #1 Test No. 4 Date 1-24-06

Company JO Farmer Zone Tested ARB

Address Elevation 2295 KB 2297 GL

Co. Rep / Geo. Randy Killian Rig Disc. Drilling Rig 3

Location: Sec. 9 Twp. 10s Rge. 21w Co. Graham State

Comment: Release date / time:

Interval Tested 3842 - 3880 Initial Str Wt./Lbs. 42000 Unseated Str Wt/Lbs.

Anchor Length 38 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs.

Top Packer Depth 3837 Tool Weight 2000

Bottom Packer Depth 3842 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓

Total Depth 3950 Wt. Pipe Run Drill Collar Run 30

Mud Wt. 9.1 LCM 4½ Vis. 55 WL 8.0 Drill Pipe Size 4½ XH Ft. Run 3824

Blow Description IF-Good Blow built to 6½" in ISI - No Blowback
FF- Weak Blow Built to 2" in FSI - No Blowback

Recovery - Total Feet 196 GIP Ft. in DC Ft. in DP

Rec. 103	Feet of Very Gassy Oil	60 %gas	40 %oil	%water	%mud
Rec. 31	Feet of Gassy Oil	20 %gas	80 %oil	%water	%mud
Rec. 62	Feet of MCO	%gas	70 %oil	%water 30	%mud
Rec.	Feet of	%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

	AK-1	Alpine					
(A) Initital Hydrostatic Mud		1923	PSI	Recorder No.	8166	Test ✓	1000
(B) First Initial Flow Pressure		21	PSI	(depth)	3843	Jars	
(C) First Final Flow Pressure		50	PSI	Recorder No.	11020	Safety Jt. ✓	
(D) Initial Shut-In Pressure		1133	PSI	(depth)	3876	Circ Sub ✓	
(E) Second Initial Flow Pressure		54	PSI	Recorder No.	16601	Sampler ✓	250
(F) Second Final Flow Pressure		96	PSI	(depth)	3946	Straddle ✓	
(G) Final Shut-In Pressure		1105	PSI	**Initial Opening**	30	Ext. Packer ✓	150
(Q) Final Hydrostatic Mud		1883	PSI	Initial Shut-In	30	Shale Packer	
				Final Flow	60	Ruined Packer	
				Final Shut-In	60	Mileage	62
				T-On Location	18:20	Sub Total:	1502
				T-Started	19:25	Std. By	
				T-Open	21:05	Acc. Chg:	
				T-Pulled	00:05	Other:	
				T-Out	2:20	Total:	

Approved By

Our Representative Joe Ramsey

CHART PAGE

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

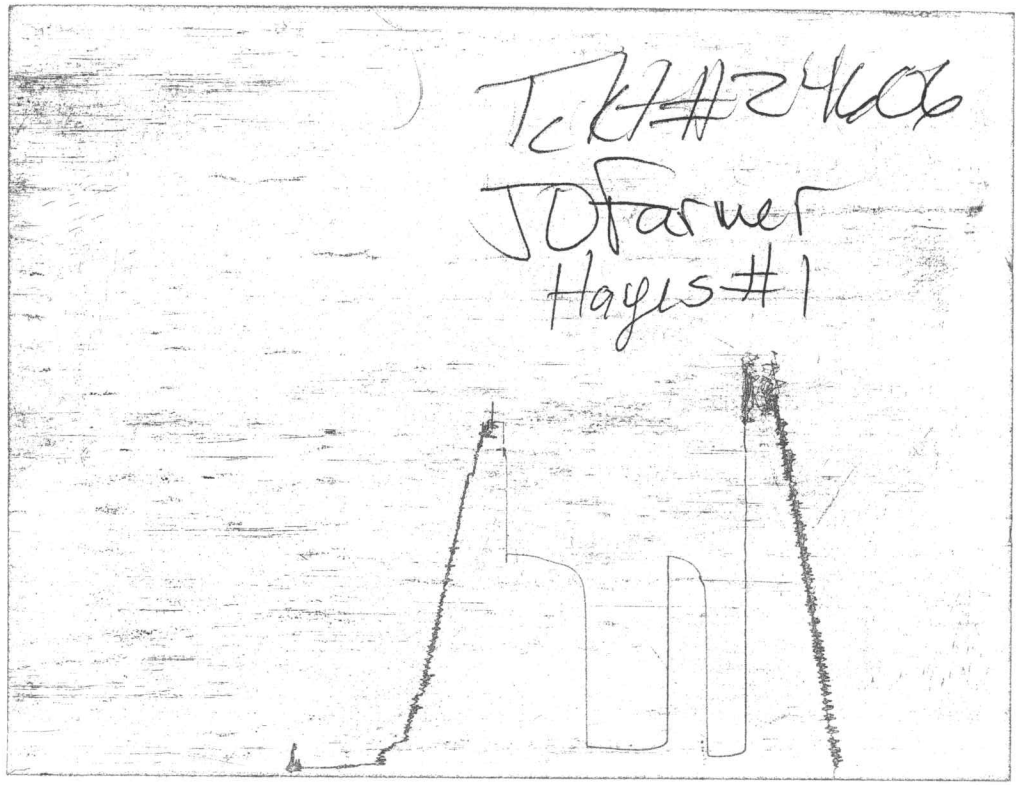


CHART PAGE

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