TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Company**

12950 E 13th St
Wichita KS 67230

ATTN: Wes Hansen

21-22S-33W Finney

Damme #37

Start Date: 2005.04.29 @ 06:32:15
End Date: 2005.04.29 @ 15:09:45
Job Ticket #: 21545 DST #: 1

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

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC

Hartman Oil Company
12950 E 13th St
Wichita KS 67230

ATTN: Wes Hansen

Damme #37

21-22S-33W Finney

Job Ticket: 21545 **DST#: 1**

Test Start: 2005.04.29 @ 06:32:15

GENERAL INFORMATION:

Formation: **Morrow/Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:09:30
Time Test Ended: 15:09:45

Interval: 4606.00 ft (KB) To 4658.00 ft (KB) (TVD)
Total Depth: 4658.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

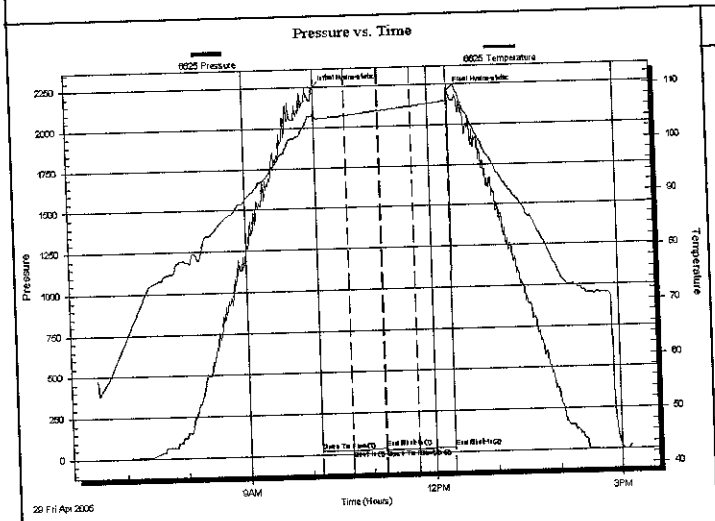
Test Type: Conventional Bottom Hole
Tester: Rod Steinbrink
Unit No: 22

Reference Elevations: 2890.00 ft (KB)
2879.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6625 **Inside**
Press@RunDepth: 23.67 psig @ 4607.00 ft (KB)
Start Date: 2005.04.29 End Date: 2005.04.29
Start Time: 06:32:18 End Time: 15:09:45

Capacity: 7000.00 psig
Last Calib.: 1899.12.30
Time On Btm: 2005.04.29 @ 10:08:00
Time Off Btm: 2005.04.29 @ 12:19:15

TEST COMMENT: IF; Weak surface blow died in 15 mins
FF; No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2241.06	104.88	Initial Hydro-static
2	20.72	104.98	Open To Flow (1)
32	22.17	104.85	Shut-In(1)
64	33.54	105.65	End Shut-In(1)
65	24.32	105.61	Open To Flow (2)
96	23.67	106.30	Shut-In(2)
131	30.76	107.18	End Shut-In(2)
132	2211.31	109.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drlg. Mud	0.05

Gas Rates

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

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Company

12950 E 13th St
Wichita KS 67230

ATTN: Wes Hansen

Damme #37

21-22S-33W Finney

Job Ticket: 21545 **DST#: 1**

Test Start: 2005.04.29 @ 06:32:15

Tool Information

Drill Pipe:	Length:	4287.00 ft	Diameter:	3.80 inches	Volume:	60.14 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	311.00 ft	Diameter:	2.25 inches	Volume:	1.53 bbl	Weight to Pull Loose:		95000.00 lb
					Total Volume:	61.67 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		18.00 ft					String Weight:	Initial	75000.00 lb
Depth to Top Packer:		4606.00 ft						Final	75000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		52.00 ft							
Tool Length:		78.00 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			4585.00		
Hydraulic tool	5.00			4590.00		
Jars	5.00			4595.00		
Safety Joint	2.00			4597.00		
Packer	5.00			4602.00	26.00	Bottom Of Top Packer
Packer	4.00			4606.00		
Stubb	1.00			4607.00		
Recorder	0.00	6625	Inside	4607.00		
Perforations	13.00			4620.00		
Change Over Sub	1.00			4621.00		
Anchor	31.00			4652.00		
Change Over Sub	1.00			4653.00		
Recorder	0.00	13309	Outside	4653.00		
Bullnose	5.00			4658.00	52.00	Bottom Packers & Anchor
Total Tool Length:	**78.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

Hartman Oil Company

12950 E 13th St
Wichita KS 67230

ATTN: Wes Hansen

Damme #37

21-22S-33W Finney

Job Ticket: 21545 **DST#: 1**

Test Start: 2005.04.29 @ 06:32:15

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 7.18 in³
Resistivity: ohm.m
Salinity: 1500.00 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

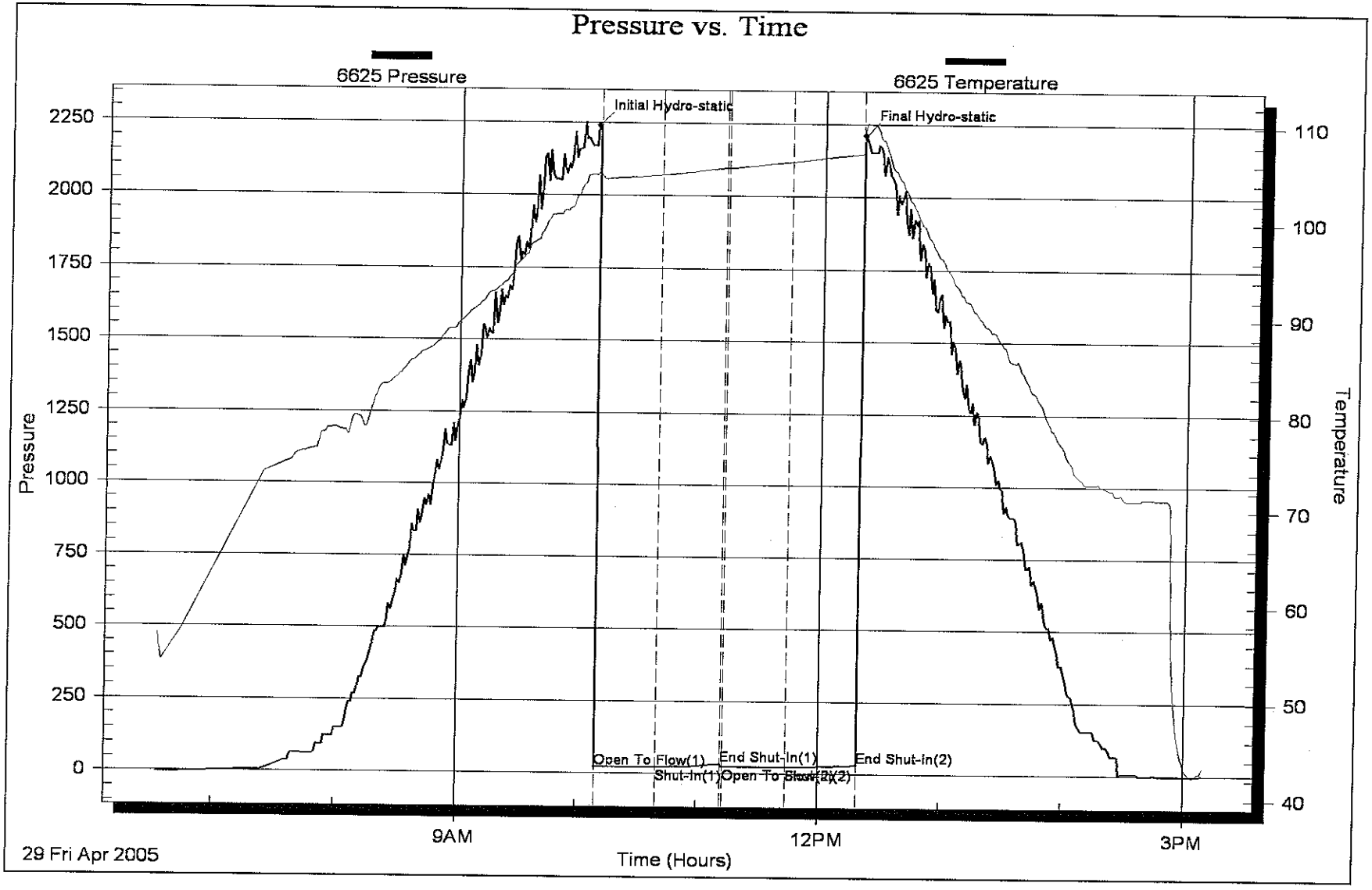
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drlg. Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

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


Pressure vs. Time
6625 Pressure
6625 Temperature
Initial Hydro-static
Final Hydro-static
Pressure
Temperature
2250
2000
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
40
Open To Flow(1)
Shut-In(1)
End Shut-In(1)
Open To Flow(2)
End Shut-In(2)
9AM
12PM
3PM
Time (Hours)
29 Fri Apr 2005

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Company**

12950 E 13th St
Wichita KS 67230

ATTN: Wes Hansen

21-22S-33W Finney

Damme #37

Start Date: 2005.04.30 @ 03:34:46
End Date: 2005.04.30 @ 12:58:46
Job Ticket #: 21546 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

Hartman Oil Company
12950 E 13th St
Wichita KS 67230

ATTN: Wes Hansen

Damme #37

21-22S-33W Finney

Job Ticket: 21546 **DST#: 2**

Test Start: 2005.04.30 @ 03:34:46

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:14:01
Time Test Ended: 12:58:46

Test Type: Conventional Bottom Hole
Tester: Rod Steinbrink
Unit No: 22

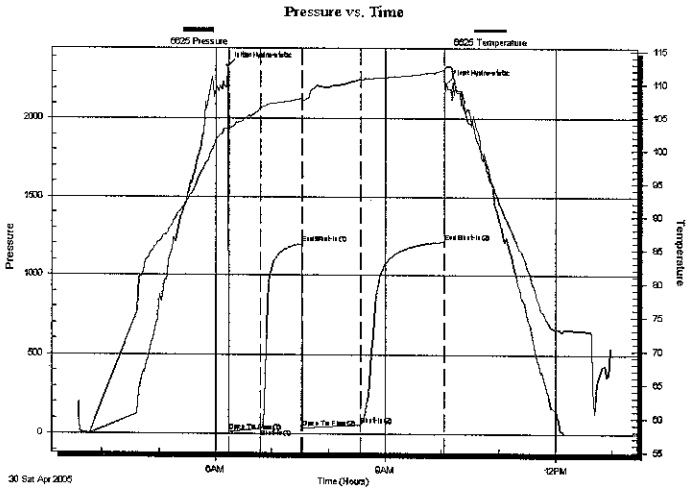
Interval: 4676.00 ft (KB) To 4700.00 ft (KB) (TVD)
Total Depth: 4700.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2890.00 ft (KB)
2879.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6625 **Inside**

Press@RunDepth:	54.11 psig @	4677.00 ft (KB)		Capacity:	7000.00 psig
Start Date:	2005.04.30	End Date:	2005.04.30	Last Calib.:	1899.12.30
Start Time:	03:34:49	End Time:	12:58:46	Time On Btm:	2005.04.30 @ 06:12:31
				Time Off Btm:	2005.04.30 @ 10:04:16

TEST COMMENT: IF; Weak surface blow thru
FF; Weak surface return in 20 mins steady thru



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2337.78	103.33	Initial Hydro-static
2	12.89	102.90	Open To Flow (1)
36	31.01	106.55	Shut-In(1)
79	1200.12	107.91	End Shut-In(1)
80	35.73	107.61	Open To Flow (2)
142	54.11	110.73	Shut-In(2)
230	1214.37	112.12	End Shut-In(2)
232	2226.85	112.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	OCM 10%oil 90%mud	0.34

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

Hartman Oil Company

12950 E 13th St
Wichita KS 67230

ATTN: Wes Hansen

Damme #37

21-22S-33W Finney

Job Ticket: 21546 **DST#: 2**

Test Start: 2005.04.30 @ 03:34:46

Tool Information

Drill Pipe:	Length:	4349.00 ft	Diameter:	3.80 inches	Volume:	61.01 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	311.00 ft	Diameter:	2.25 inches	Volume:	1.53 bbl	Weight to Pull Loose:		80000.00 lb
					Total Volume:	62.54 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		10.00 ft					String Weight:	Initial	75000.00 lb
Depth to Top Packer:		4676.00 ft						Final	75000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		24.00 ft							
Tool Length:		50.00 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			4655.00		
Hydraulic tool	5.00			4660.00		
Jars	5.00			4665.00		
Safety Joint	2.00			4667.00		
Packer	5.00			4672.00	26.00	Bottom Of Top Packer
Packer	4.00			4676.00		
Stubb	1.00			4677.00		
Recorder	0.00	6625	Inside	4677.00		
Perforations	18.00			4695.00		
Recorder	0.00	13309	Outside	4695.00		
Bullnose	5.00			4700.00	24.00	Bottom Packers & Anchor
Total Tool Length:	**50.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

TRILOBITE TESTING, INC

Hartman Oil Company
12950 E 13th St
Wichita KS 67230

ATTN: Wes Hansen

Damme #37

21-22S-33W Finney

Job Ticket: 21546 **DST#: 2**

Test Start: 2005.04.30 @ 03:34:46

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:	47.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.79 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1800.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

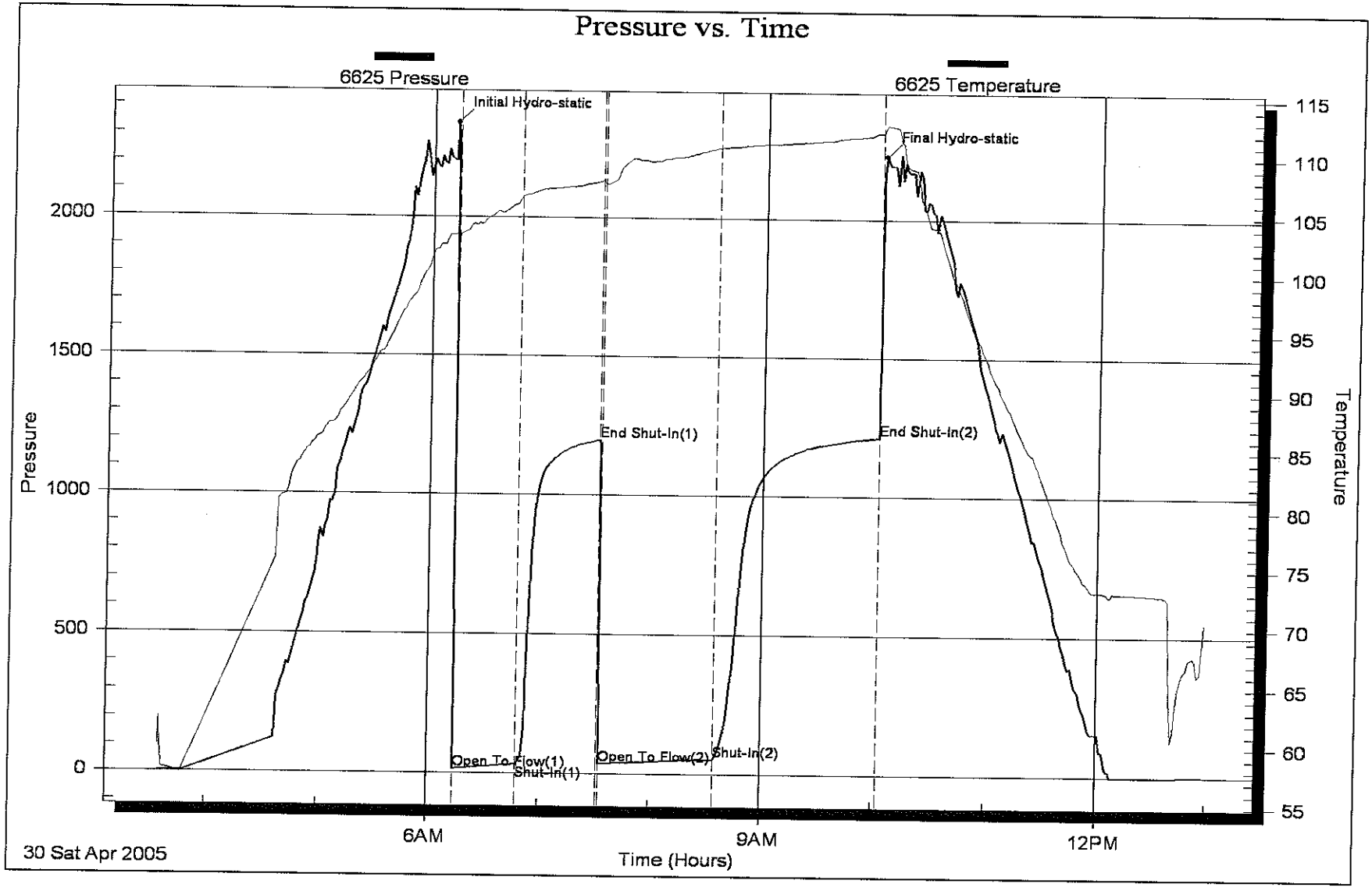
Length ft	Description	Volume bbl
70.00	OCM 10%oil 90%mud	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6625 Pressure
6625 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
1500
1000
500
0
115
110
105
100
95
90
85
80
75
70
65
60
55
6AM
9AM
12PM
30 Sat Apr 2005
Time (Hours)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Company**

12950 E 13th St
Wichita KS 67230

ATTN: Wes Hansen

21-22S-33W Finney

Damme #37

Start Date: 2005.05.01 @ 00:27:15
End Date: 2005.05.01 @ 09:54:30
Job Ticket #: 21547 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

Hartman Oil Company
12950 E 13th St
Wichita KS 67230

ATTN: Wes Hansen

Damme #37

21-22S-33W Finney

Job Ticket: 21547 **DST#: 3**

Test Start: 2005.05.01 @ 00:27:15

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:03:45
Time Test Ended: 09:54:30

Test Type: Conventional Bottom Hole
Tester: Rod Steinbrink
Unit No: 22

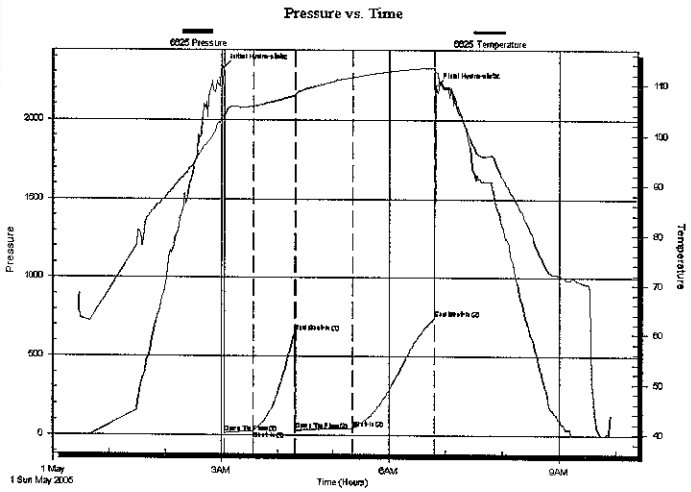
Interval: 4699.00 ft (KB) To 4730.00 ft (KB) (TVD)
Total Depth: 4730.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2890.00 ft (KB)
2879.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6625 **Inside**

Press@RunDepth:	45.49 psig @	4700.00 ft (KB)		Capacity:	7000.00 psig
Start Date:	2005.05.01	End Date:	2005.05.01	Last Calib.:	1899.12.30
Start Time:	00:27:18	End Time:	09:54:30	Time On Btm:	2005.05.01 @ 03:02:15
				Time Off Btm:	2005.05.01 @ 06:49:15

TEST COMMENT: IF; Weak surface blow built to 1"
ISI; No blow
FF; Weak surface blow steady thru
FSI; No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2326.13	103.82	Initial Hydro-static
2	12.92	103.69	Open To Flow (1)
32	26.21	105.71	Shut-In(1)
77	653.23	107.86	End Shut-In(1)
78	31.59	108.09	Open To Flow (2)
139	45.49	111.46	Shut-In(2)
226	741.24	113.34	End Shut-In(2)
227	2213.32	112.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	GHOCM 30%g 20%o 50%m	0.34

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

TRILOBITE TESTING, INC

Hartman Oil Company

12950 E 13th St
Wichita KS 67230

ATTN: Wes Hansen

Damme #37

21-22S-33W Finney

Job Ticket: 21547 **DST#: 3**

Test Start: 2005.05.01 @ 00:27:15

Tool Information

Drill Pipe:	Length:	4377.00 ft	Diameter:	3.80 inches	Volume:	61.40 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	311.00 ft	Diameter:	2.25 inches	Volume:	1.53 bbl	Weight to Pull Loose:		85000.00 lb
					Total Volume:	62.93 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		15.00 ft					String Weight:	Initial	75000.00 lb
Depth to Top Packer:		4699.00 ft						Final	75000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		31.00 ft							
Tool Length:		57.00 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			4678.00		
Hydraulic tool	5.00			4683.00		
Jars	5.00			4688.00		
Safety Joint	2.00			4690.00		
Packer	5.00			4695.00	26.00	Bottom Of Top Packer
Packer	4.00			4699.00		
Stubb	1.00			4700.00		
Recorder	0.00	6625	Inside	4700.00		
Perforations	25.00			4725.00		
Recorder	0.00	13309	Outside	4725.00		
Bullnose	5.00			4730.00	31.00	Bottom Packers & Anchor
Total Tool Length:	**57.00**					

TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Company
12950 E 13th St
Wichita KS 67230

ATTN: Wes Hansen

Damme #37

21-22S-33W Finney

Job Ticket: 21547 **DST#: 3**

Test Start: 2005.05.01 @ 00:27:15

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:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.18 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1500.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

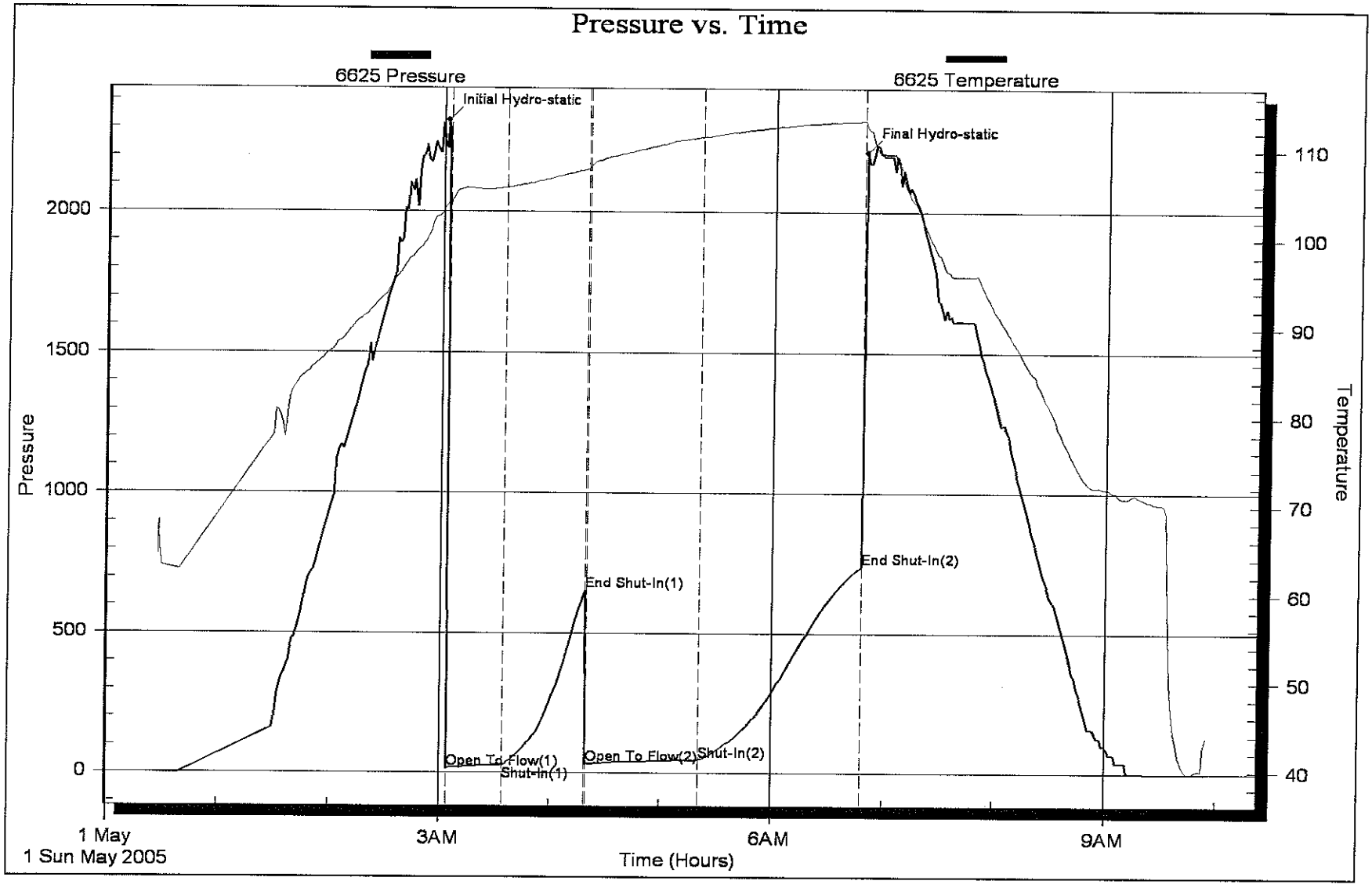
Length ft	Description	Volume bbl
70.00	GHOCM 30%g 20%o 50%m	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6625 Pressure
6625 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
1500
1000
500
0
110
100
90
80
70
60
50
40
1 May
1 Sun May 2005
3AM
6AM
9AM
Time (Hours)

9/04

TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

№ 21545

Test Ticket

Well Name & No. Damme #37 Test No. 1 Date 4-29-05

Company Hartman Oil Company Zone Tested Morrow / Miss.

Address Elevation 2890 KB 2879 GL

Co. Rep / Geo. Wes Hansen Cont. Sterling #2 Est. Ft. of Pay Por. %

Location: Sec. 21 Twp. 22S Rge. 33W Co. Finney State KS

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

Interval Tested 4606 - 4658 Initial Str Wt./Lbs. 75,000 Unseated Str Wt/Lbs. 75,000

Anchor Length 52' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 95,000

Top Packer Depth 4601 Tool Weight 2,500

Bottom Packer Depth 4606 Hole Size 7 7/8" Rubber Size 6 3/4"

Total Depth 4658 Wt. Pipe Run — Drill Collar Run 311'

Mud Wt. 9.0 LCM 6# Vis. 57 WL 7.2 Drill Pipe Size 4½" XH Ft. Run 4287'

Blow Description

IF: Weak surface blow died at 15 mins.

FF: No return blow

Recovery - Total Feet 10' GIP — Ft. in DC 10' Ft. in DP —

Rec.		Feet of	%gas	%oil	%water	%mud
Rec.		Feet of	%gas	%oil	%water	%mud
Rec.	10'	Feet of Drlg. Mud	%gas	%oil	%water	%mud
Rec.		Feet of	%gas	%oil	%water	%mud
Rec.		Feet of	%gas	%oil	%water	%mud

BHT 107° °F Gravity °API D @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 1,500 ppm System

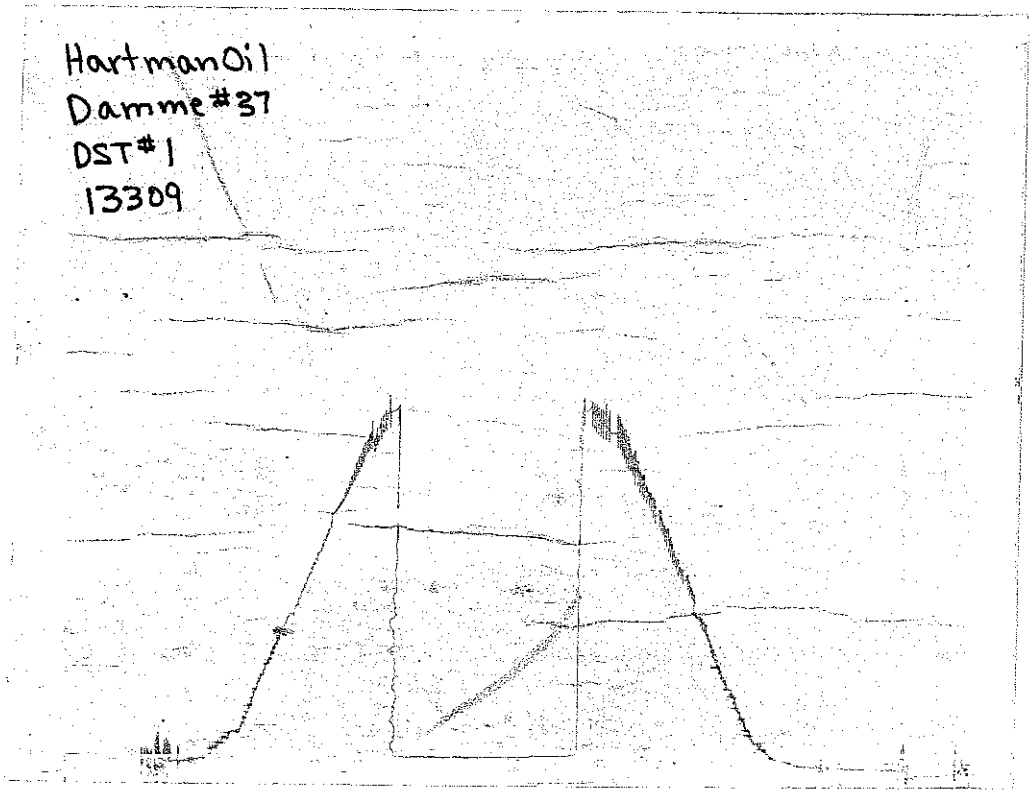
	AK-1	Alpine					
(A) Initital Hydrostatic Mud		2241 PSI	Recorder No.	6625	Test		1050
(B) First Initial Flow Pressure		20 PSI	(depth)	4607	Jars	X	200
(C) First Final Flow Pressure		22 PSI	Recorder No.	13309	Safety Jt.	X	50
(D) Initial Shut-In Pressure		33 PSI	(depth)	4653	Circ Sub	X	N/C
(E) Second Initial Flow Pressure		24 PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure		23 PSI	(depth)		Straddle		
(G) Final Shut-In Pressure		30 PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud		2211 PSI	Initial Shut-In	30	Shale Packer		
			Final Flow	30	Ruined Packer		
			Final Shut-In	30	Mileage	1 way 27	54
			T-On Location	0200	Sub Total:		1354
			T-Started	0632	Std. By	6 Hrs.	120
			T-Open	1009	Other	Access. Abil.	150
			T-Pulled	1218	Total:		1624
			T-Out	1509			

Approved By Wesley Hansen

Our Representative Rod Steinbrink

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

№ 21546

Test Ticket

Well Name & No. Damme #37 Test No. 2 Date 4-30-05

Company Hartman Oil Company Zone Tested St. Louis

Address 12950 E. 13th St. Wichita, KS. 67230 Elevation 2890 KB 2879 GL

Co. Rep / Geo. Wes Hansen Cont. Sterling #2 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 21 Twp. 22s Rge. 33w Co. Finney State KS

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

Interval Tested 4676 - 4700

Anchor Length 24'

Top Packer Depth 4671

Bottom Packer Depth 4676

Total Depth 4700

Mud Wt. 9.1 LCM 5# Vis. 47 WL 6.8

Initial Str Wt./Lbs. 75,000 Unseated Str Wt/Lbs. 75,000

Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 80,000

Tool Weight 2,000

Hole Size 7 7/8" _____ Rubber Size 6 3/4" _____

Wt. Pipe Run — Drill Collar Run 311'

Drill Pipe Size 4½" XH Ft. Run 4349'

Blow Description

IF: Weak surface blow thru.

FF: Weak surface return in 20 mins. steady thru.

Recovery - Total Feet 70' GIP — Ft. in DC 70' Ft. in DP —

Rec.		Feet of		%gas		%oil		%water		%mud
Rec.		Feet of		%gas		%oil		%water		%mud
Rec.	70'	Feet of	OCM	%gas	10	%oil	—	%water	90	%mud
Rec.		Feet of		%gas		%oil		%water		%mud
Rec.		Feet of		%gas		%oil		%water		%mud

BHT 112° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1,800 ppm System

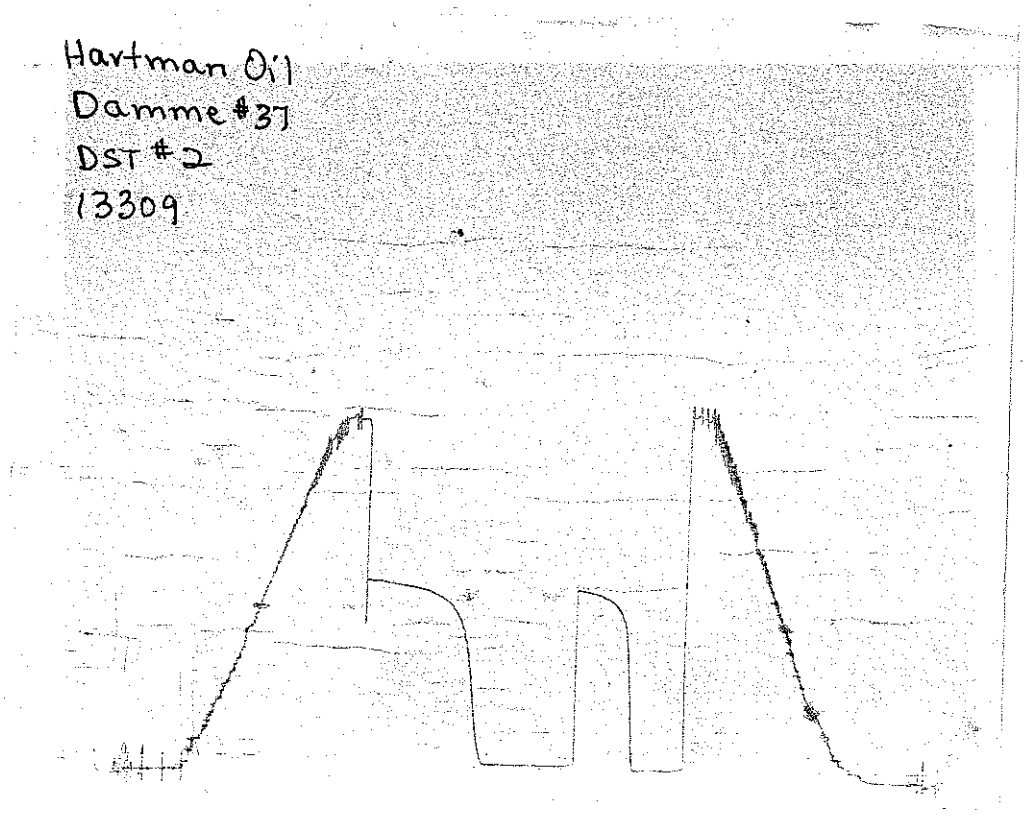
	AK-1	Alpine					
(A) Initital Hydrostatic Mud		2337 PSI	Recorder No.	6625	Test		1050
(B) First Initial Flow Pressure		12 PSI	(depth)	4677	Jars	X	200
(C) First Final Flow Pressure		31 PSI	Recorder No.	13309	Safety Jt.	X	50
(D) Initial Shut-In Pressure		1200 PSI	(depth)	4695	Circ Sub	X N/C	
(E) Second Initial Flow Pressure		35 PSI	Recorder No.		Sampler		
(F) Second Final Flow Pressure		54 PSI	(depth)		Straddle		
(G) Final Shut-In Pressure		1214 PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud		2226 PSI	Initial Shut-In	45	Shale Packer		
			Final Flow	60	Ruined Packer	1 @ 150	150
			Final Shut-In	90	Mileage	1 way 27	54
			T-On Location	0230	Sub Total:		1504
			T-Started	0334	Std. By	1½	45
			T-Open	0614	Other	Access Ability	150
			T-Pulled	1002	Total:		$1699
			T-Out	1258			

Approved By Wesley Hansen

Our Representative Rod Steinbrink

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

№ 21547

Test Ticket

Well Name & No. Damme #37 Test No. 3 Date 5-1-05

Company Hartman Oil Company Zone Tested St. Louis

Address 12950 E 13th St. Wichita, KS. 67230 Elevation 2890 KB 2879 GL

Co. Rep / Geo. Wes Hansen Cont. Sterling #2 Est. Ft. of Pay _____ Por. _____ %

Location: Sec. 21 Twp. 22S Rge. 33W Co. Finney State KS.

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

Interval Tested 4699 - 4730

Anchor Length 31'

Top Packer Depth 4694

Bottom Packer Depth 4699

Total Depth 4730

Mud Wt. 9.0 LCM 5# Vis. 57 WL 7.2

Initial Str Wt./Lbs. 75,000 Unseated Str Wt/Lbs. 75,000

Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 85,000

Tool Weight _____

Hole Size 7 7/8" _____ Rubber Size 6 3/4" _____

Wt. Pipe Run — Drill Collar Run 311'

Drill Pipe Size 4½" XH Ft. Run 4377'

Blow Description

IF: Weak surface built to 1" ISI: No blow

FF: Weak surface blow steady thru. FSI: No blow

Recovery - Total Feet 70' GIP — Ft. in DC 70' Ft. in DP —

	Feet of	%gas	%oil	%water	%mud
Rec.					
Rec.					
Rec. 70'	GHOCM	30	20	—	50
Rec.					
Rec.					

BHT 113° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1,500 ppm System

	AK-1	Alpine
(A) Initital Hydrostatic Mud		2326 PSI
(B) First Initial Flow Pressure		12 PSI
(C) First Final Flow Pressure		26 PSI
(D) Initial Shut-In Pressure		653 PSI
(E) Second Initial Flow Pressure		31 PSI
(F) Second Final Flow Pressure		45 PSI
(G) Final Shut-In Pressure		741 PSI
(Q) Final Hydrostatic Mud		2213 PSI

Recorder No.	6625	
(depth)	4800	
Recorder No.	13309	
(depth)	4725	
Recorder No.		
(depth)		
Initial Opening	30	
Initial Shut-In	45	
Final Flow	60	
Final Shut-In	90	
T-On Location	2330	4-30
T-Started	0027	5-1
T-Open	0303	
T-Pulled	0648	
T-Out	0954	

Test	1050
Jars X	200
Safety Jt. X	50
Circ Sub X	N/C
Sampler	
Straddle	
Ext. Packer	
Shale Packer	
Ruined Packer	
Mileage 1 way	27 54
Sub Total:	1354
Std. By ½	15
Other Access	X 150
Total:	$1519

Approved By Wesley Hansen

Our Representative Rod Steinbrink

CHART PAGE

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