

DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Company**

12950 13th St.
Wichita KS 67230-1457

ATTN: Roger Martin

21-22S-33W Finney

Damme #35

Start Date: 2004.10.11 @ 02:15:48

End Date: 2004.10.11 @ 10:05:03

Job Ticket #: 20107 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

Hartman Oil Company
12950 13th St.
Wichita KS 67230-1457

ATTN: Roger Martin

Damme #35

21-22S-33W Finney

Job Ticket: 20107

DST#: 1

Test Start: 2004.10.11 @ 02:15:48

GENERAL INFORMATION:

Formation: **L/KC - Marmaton**

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

Time Tool Opened: 04:49:18

Time Test Ended: 10:05:03

Test Type: **Conventional Bottom Hole**

Tester: **Rod Steinbrink**

Unit No: **22**

Interval: **4280.00 ft (KB) To 4420.00 ft (KB) (TVD)**

Total Depth: **4420.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2900.00 ft (KB)**

2890.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 6798 **Inside**

Press@RunDepth: **210.01 psig @ 4281.00 ft (KB)**

Start Date: **2004.10.11**

End Date:

2004.10.11

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **02:15:53**

End Time:

10:05:02

Time On Btm: **2004.10.11 @ 04:47:18**

Time Off Btm: **2004.10.11 @ 08:05:03**

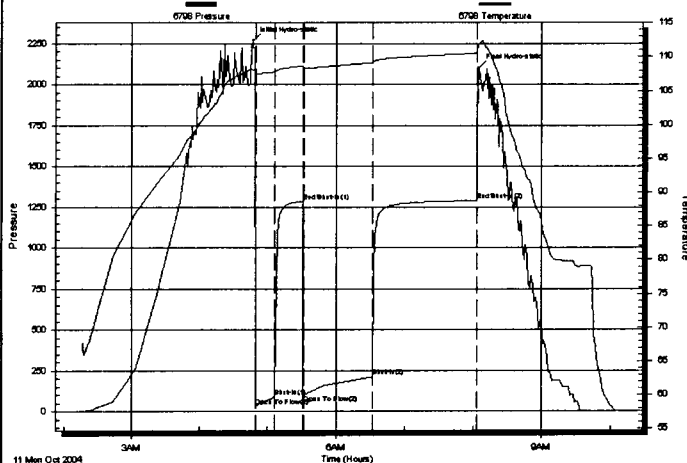
TEST COMMENT: **IF; Weak blow built to 3 1/2"**

IS; No return

FF; Surface return in 5 mins built to 2"

FS; No return

Pressure vs. Time



PRESSURE SUMMARY

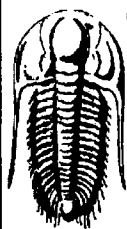
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2267.40	108.04	Initial Hydro-static
2	30.10	107.59	Open To Flow (1)
19	88.73	107.76	Shut-In(1)
44	1285.14	108.65	End Shut-In(1)
45	99.15	108.40	Open To Flow (2)
105	210.01	109.12	Shut-In(2)
196	1288.84	110.51	End Shut-In(2)
198	2101.05	111.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
400.00	MW 80%w tr 20%mud	2.81

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Company

Damme #35

12950 13th St.
Wichita KS 67230-1457

21-22S-33W Finney

Job Ticket: 20107

DST#: 1

ATTN: Roger Martin

Test Start: 2004.10.11 @ 02:15:48

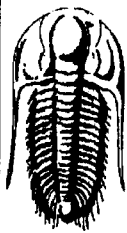
Tool Information

Drill Pipe:	Length: 3959.00 ft	Diameter: 3.80 inches	Volume: 55.53 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: 308.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 57.04 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	56000.00 lb
Depth to Top Packer:	4280.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	140.00 ft				
Tool Length:	166.00 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			4259.00	
Hydraulic tool	5.00			4264.00	
Jars	5.00			4269.00	
Safety Joint	2.00			4271.00	
Packer	5.00			4276.00	26.00 Bottom Of Top Packer
Packer	4.00			4280.00	
Stubb	1.00			4281.00	
Recorder	0.00	6798	Inside	4281.00	
Perforations	8.00			4289.00	
Change Over Sub	1.00			4290.00	
Anchor	124.00			4414.00	
Change Over Sub	1.00			4415.00	
Recorder	0.00	13276	Outside	4415.00	
Bullnose	5.00			4420.00	140.00 Bottom Packers & Anchor

Total Tool Length: 166.00



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TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Company

Damme #35

12950 13th St.
Wichita KS 67230-1457

21-22S-33W Finney

Job Ticket: 20107

DST#: 1

ATTN: Roger Martin

Test Start: 2004.10.11 @ 02:15:48

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:

30000 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: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
400.00	MW 80%w tr 20%mud	2.805

Total Length: 400.00 ft Total Volume: 2.805 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .24 @ 70 Deg = 30,000 Chlorides

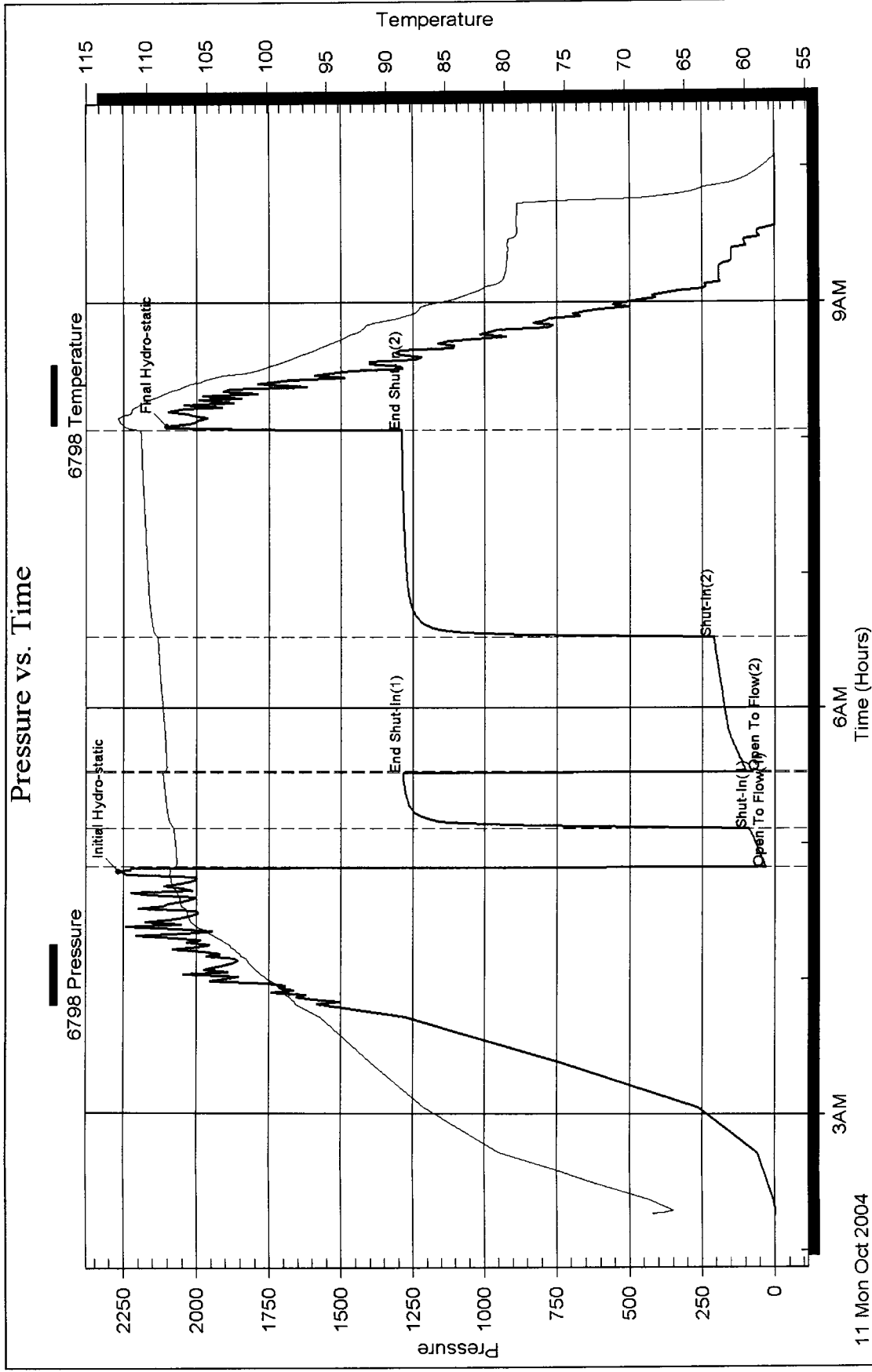
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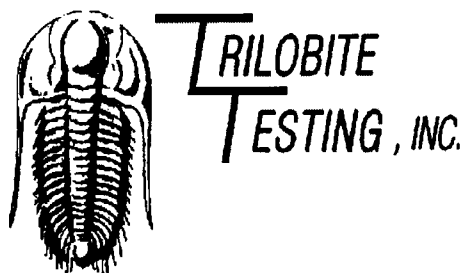
Inside

Hartman Oil Company

21-22S-33W Finney

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Company**

12950 13th St.
Wichita KS 67230-1457

ATTN: Roger Martin

21-22S-33W Finney

Damme #35

Start Date: 2004.10.12 @ 02:55:28

End Date: 2004.10.12 @ 10:04:58

Job Ticket #: 20108 DST #: 2

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



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DRILL STEM TEST REPORT

Hartman Oil Company
12950 13th St.
Wichita KS 67230-1457
ATTN: Roger Martin

Damme #35

21-22S-33W Finney

Job Ticket: 20108

DST#: 2

Test Start: 2004.10.12 @ 02:55:28

GENERAL INFORMATION:

Formation: **Ft. Scott/Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:17:13

Time Test Ended: 10:04:58

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Interval: **4415.00 ft (KB) To 4570.00 ft (KB) (TVD)**

Total Depth: 4570.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2900.00 ft (KB)

2890.00 ft (CF)

KB to GRVCF: 10.00 ft

Serial #: 6798

Inside

Press@RunDepth: 42.75 psig @ 4416.00 ft (KB)

Start Date: 2004.10.12

End Date:

2004.10.12

Start Time: 02:55:33

End Time:

10:04:57

Capacity: 7000.00 psig

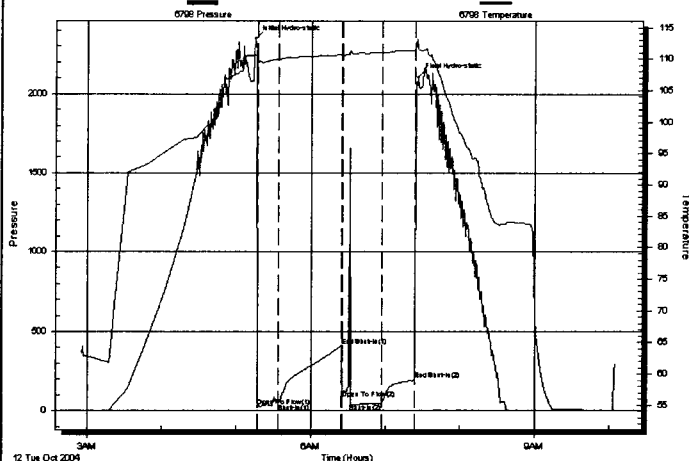
Last Calib.: 1899.12.30

Time On Btm: 2004.10.12 @ 05:15:13

Time Off Btm: 2004.10.12 @ 07:26:13

TEST COMMENT: IF; Weak 1/4" blow decreased to surface @ 15 mins
FF; No blow - flushed Tool/good surge-no blow

Pressure vs. Time



PRESSURE SUMMARY

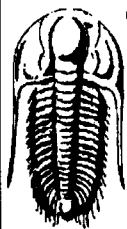
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2345.82	110.58	Initial Hydro-static
2	24.87	109.86	Open To Flow (1)
19	42.43	109.96	Shut-In(1)
70	406.60	110.62	End Shut-In(1)
71	74.12	110.54	Open To Flow (2)
102	42.75	110.95	Shut-In(2)
129	195.73	111.31	End Shut-In(2)
131	2105.02	111.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Drilg. Mud	0.15

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Company

Damme #35

12950 13th St.
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21-22S-33W Finney

Job Ticket: 20108

DST#: 2

ATTN: Roger Martin

Test Start: 2004.10.12 @ 02:55:28

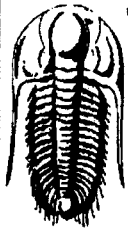
Tool Information

Drill Pipe:	Length: 4085.00 ft	Diameter: 3.80 inches	Volume: 57.30 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: 308.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 60000.00 lb
			Total Volume: 58.81 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4415.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	155.00 ft			
Tool Length:	181.00 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			4394.00	
Hydraulic tool	5.00			4399.00	
Jars	5.00			4404.00	
Safety Joint	2.00			4406.00	
Packer	5.00			4411.00	26.00 Bottom Of Top Packer
Packer	4.00			4415.00	
Stubb	1.00			4416.00	
Recorder	0.00	6798	Inside	4416.00	
Perforations	23.00			4439.00	
Change Over Sub	1.00			4440.00	
Anchor	124.00			4564.00	
Change Over Sub	1.00			4565.00	
Recorder	0.00	13276	Outside	4565.00	
Bullnose	5.00			4570.00	155.00 Bottom Packers & Anchor

Total Tool Length: 181.00



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Damme #35

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21-22S-33W Finney

Job Ticket: 20108

DST#: 2

ATTN: Roger Martin

Test Start: 2004.10.12 @ 02:55:28

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: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Drig. Mud	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

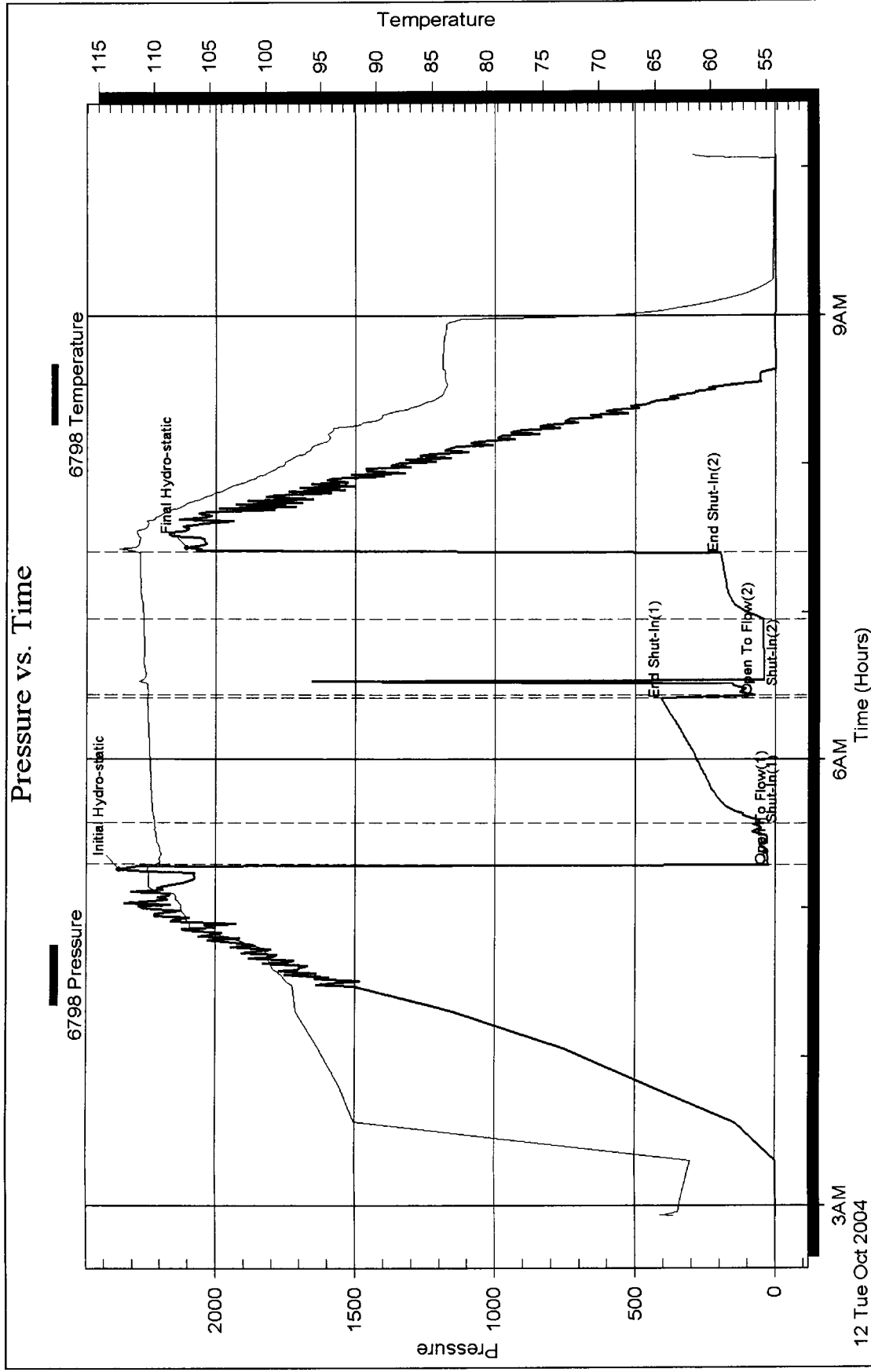
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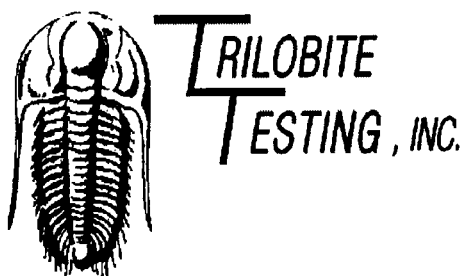
Inside

Hartman Oil Company

21-22S-33W Finney

DST Test Number: 2





DRILL STEM TEST REPORT

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12950 13th St.
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21-22S-33W Finney

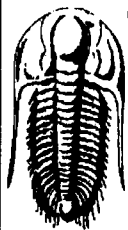
Damme #35

Start Date: 2004.10.12 @ 10:47:52

End Date: 2004.10.12 @ 19:40:22

Job Ticket #: 20109 DST #: 3

Trilobite Testing, Inc
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DRILL STEM TEST REPORT

Hartman Oil Company
12950 13th St.
Wichita KS 67230-1457
ATTN: Roger Martin

Damme #35

21-22S-33W Finney

Job Ticket: 20109

DST#: 3

Test Start: 2004.10.12 @ 10:47:52

GENERAL INFORMATION:

Formation: **L?KC "I-J"**

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

Time Tool Opened: 12:31:22

Time Test Ended: 19:40:22

Test Type: **Conventional Bottom Hole**

Tester: **Rod Steinbrink**

Unit No: **22**

Interval: **4060.00 ft (KB) To 4115.00 ft (KB) (TVD)**

Total Depth: **4570.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2900.00 ft (KB)**

2890.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 6798

Inside

Press@RunDepth: **670.76 psig @ 4061.00 ft (KB)**

Start Date: **2004.10.12**

End Date:

2004.10.12

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **10:47:57**

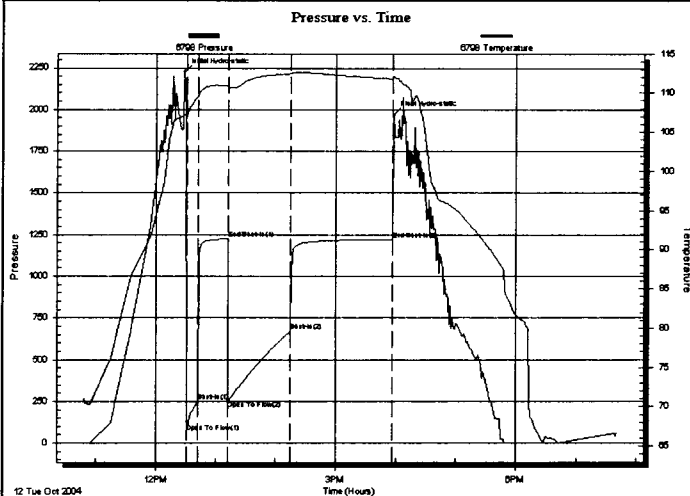
End Time:

19:40:22

Time On Btm: **2004.10.12 @ 12:28:37**

Time Off Btm: **2004.10.12 @ 15:57:22**

TEST COMMENT: **IF; Strong blow off btm in 5 mins**
IS; No return
FF; Fair blow built to 5" - decreased to 2" @ 60 mins
FSI; No return



PRESSURE SUMMARY

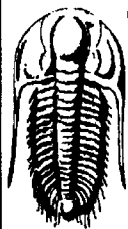
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2224.67	107.23	Initial Hydro-static
3	62.70	106.93	Open To Flow (1)
14	248.47	109.58	Shut-in (1)
44	1224.18	110.90	End Shut-in (1)
45	254.16	110.68	Open To Flow (2)
107	670.76	112.45	Shut-in (2)
208	1221.59	111.79	End Shut-in (2)
209	1968.92	112.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1500.00	Sulphur Wtr	18.24

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Company

12950 13th St.
Wichita KS 67230-1457

ATTN: Roger Martin

Damme #35

21-22S-33W Finney

Job Ticket: 20109

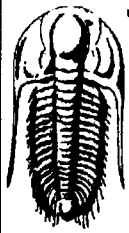
DST#: 3

Test Start: 2004.10.12 @ 10:47:52

Tool Information

Drill Pipe:	Length: 3743.00 ft	Diameter: 3.80 inches	Volume: 52.50 bbl	Tool Weight: 4000.00 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: 308.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 54.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4060.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	512.00 ft			
Tool Length:	538.00 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			4039.00	
Hydraulic tool	5.00			4044.00	
Jars	5.00			4049.00	
Safety Joint	2.00			4051.00	
Packer	5.00			4056.00	26.00 Bottom Of Top Packer
Packer	4.00			4060.00	
Stubb	1.00			4061.00	
Recorder	0.00	6798	Inside	4061.00	
Perforations	8.00			4069.00	
Change Over Sub	1.00			4070.00	
Anchor	31.00			4101.00	
Change Over Sub	1.00			4102.00	
Recorder	0.00	13309	Outside	4102.00	
Perforations	11.00			4113.00	
Blank Off Sub	1.00			4114.00	512.00 Tool Interval
Packer	4.00			4118.00	
Stubb	1.00			4119.00	
Anchor	12.00			4131.00	
Change Over Sub	1.00			4132.00	
Anchor	434.00			4566.00	
Change Over Sub	1.00			4567.00	
Recorder	0.00	13371	Below	4567.00	
Bullnose	5.00			4572.00	1000537.00 Bottom Packers & Anchor
Total Tool Length:	538.00				



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DRILL STEM TEST REPORT

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Damme #35

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21-22S-33W Finney

Job Ticket: 20109

DST#: 3

ATTN: Roger Martin

Test Start: 2004.10.12 @ 10:47:52

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: 35000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.57 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1500.00	Sulpher Wtr	18.235

Total Length: 1500.00 ft Total Volume: 18.235 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .22 70 Deg. = 35,000 Chlorides

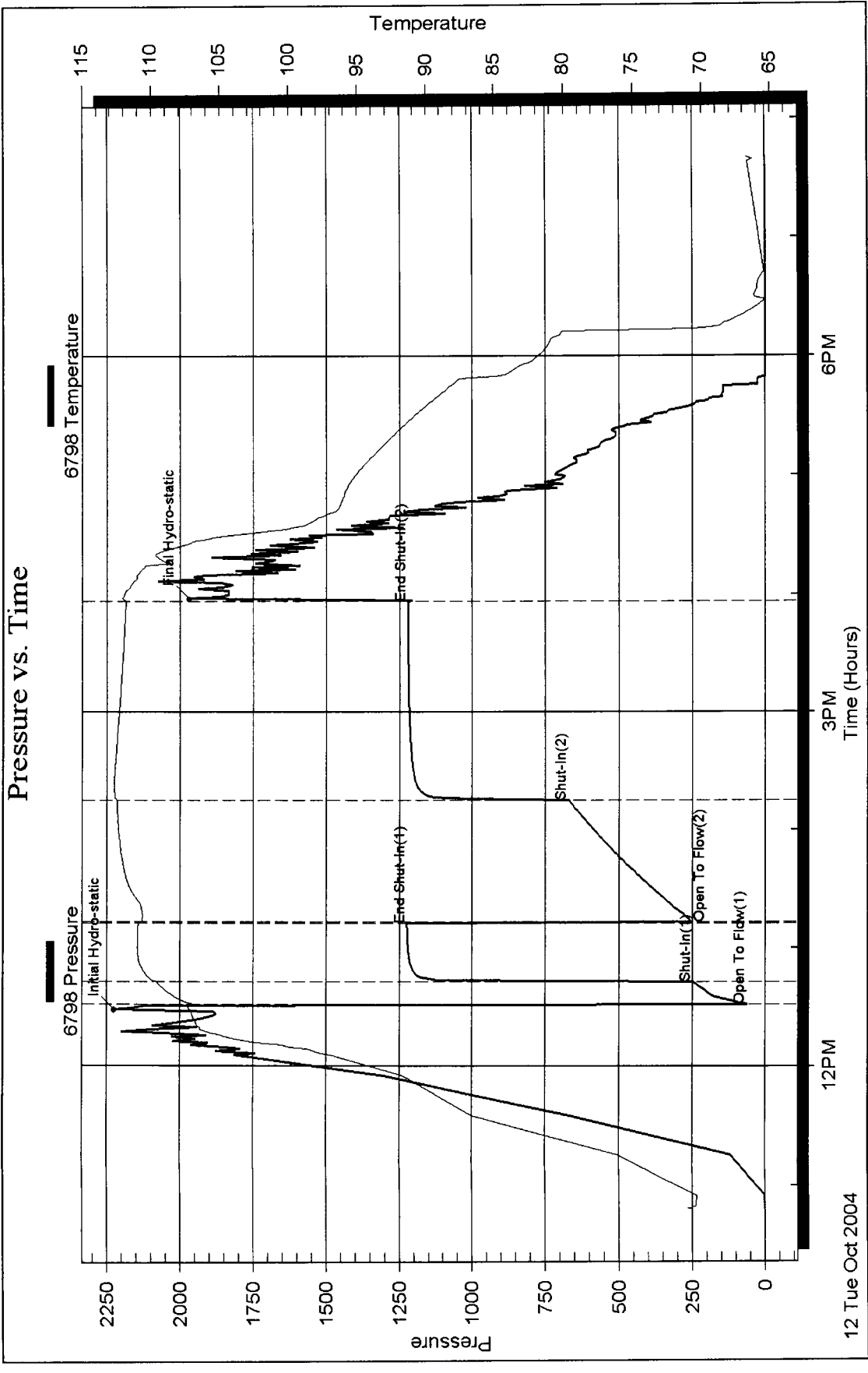
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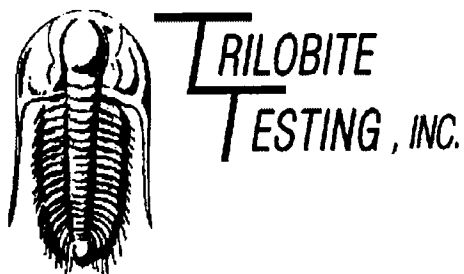
Inside

Hartman Oil Company

21-22S-33W Finney

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Company**

12950 13th St.
Wichita KS 67230-1457

ATTN: Roger Martin

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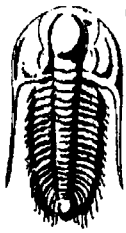
Damme #35

Start Date: 2004.10.13 @ 15:18:26

End Date: 2004.10.14 @ 01:23:41

Job Ticket #: 20110 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

Hartman Oil Company
12950 13th St.
Wichita KS 67230-1457
ATTN: Roger Martin

Damme #35

21-22S-33W Finney

Job Ticket: 20110

DST#: 4

Test Start: 2004.10.13 @ 15:18:26

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:26:56

Time Test Ended: 01:23:41

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Interval: **4616.00 ft (KB) To 4775.00 ft (KB) (TVD)**

Total Depth: 4775.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2900.00 ft (KB)

2890.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6798

Inside

Press@RunDepth: 413.57 psig @ 4617.00 ft (KB)

Start Date: 2004.10.13

End Date:

2004.10.14

Start Time: 15:18:31

End Time:

01:23:41

Capacity: 7000.00 psig

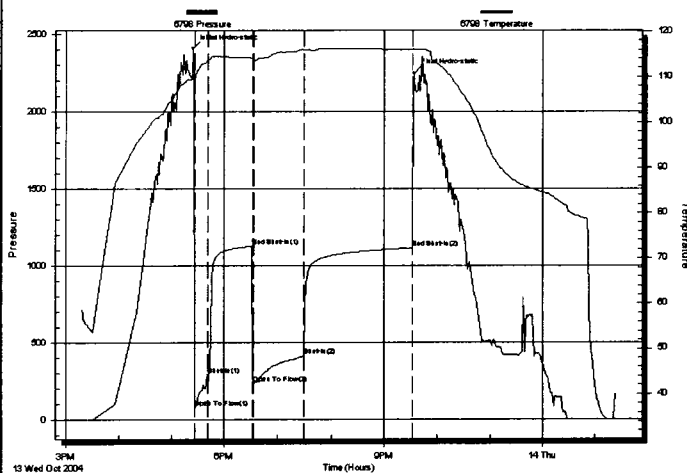
Last Calib.: 1899.12.30

Time On Btm: 2004.10.13 @ 17:23:56

Time Off Btm: 2004.10.13 @ 21:33:56

TEST COMMENT: IF; Fair to strong off btm in 10 mins
IS; No return
FF; Fair to strong off btm in 10 mins
FS; No return

Pressure vs. Time



PRESSURE SUMMARY

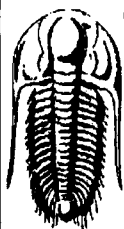
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2405.49	109.48	Initial Hydro-static
3	74.34	109.51	Open To Flow (1)
18	285.68	113.74	Shut-In(1)
68	1124.46	114.11	End Shut-In(1)
69	233.77	113.75	Open To Flow (2)
126	413.57	115.94	Shut-In(2)
249	1112.89	116.01	End Shut-In(2)
250	2245.50	115.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
840.00	OCM app. 10%oil 90%m	8.98
135.00	GO app. 50%g 50%o	1.89

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Company

Damme #35

12950 13th St.
Wichita KS 67230-1457

21-22S-33W Finney

Job Ticket: 20110

DST#: 4

ATTN: Roger Martin

Test Start: 2004.10.13 @ 15:18:26

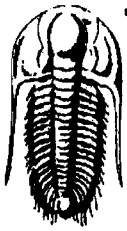
Tool Information

Drill Pipe:	Length: 4301.00 ft	Diameter: 3.80 inches	Volume: 60.33 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: 308.00 ft	Diameter: 2.25 inches	Volume: 1.51 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 61.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4616.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	159.00 ft			
Tool Length:	185.00 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			4595.00	
Hydraulic tool	5.00			4600.00	
Jars	5.00			4605.00	
Safety Joint	2.00			4607.00	
Packer	5.00			4612.00	26.00 Bottom Of Top Packer
Packer	4.00			4616.00	
Stubb	1.00			4617.00	
Recorder	0.00	6798	Inside	4617.00	
Perforations	27.00			4644.00	
Change Over Sub	1.00			4645.00	
Anchor	124.00			4769.00	
Change Over Sub	1.00			4770.00	
Recorder	0.00	13309	Outside	4770.00	
Bullnose	5.00			4775.00	159.00 Bottom Packers & Anchor

Total Tool Length: 185.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Company

Damme #35

12950 13th St.
Wichita KS 67230-1457

21-22S-33W Finney

Job Ticket: 20110

DST#: 4

ATTN: Roger Martin

Test Start: 2004.10.13 @ 15:18:26

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
840.00	OCM app. 10%oil 90%m	8.977
135.00	GO app. 50%g 50%o	1.894

Total Length: 975.00 ft Total Volume: 10.871 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

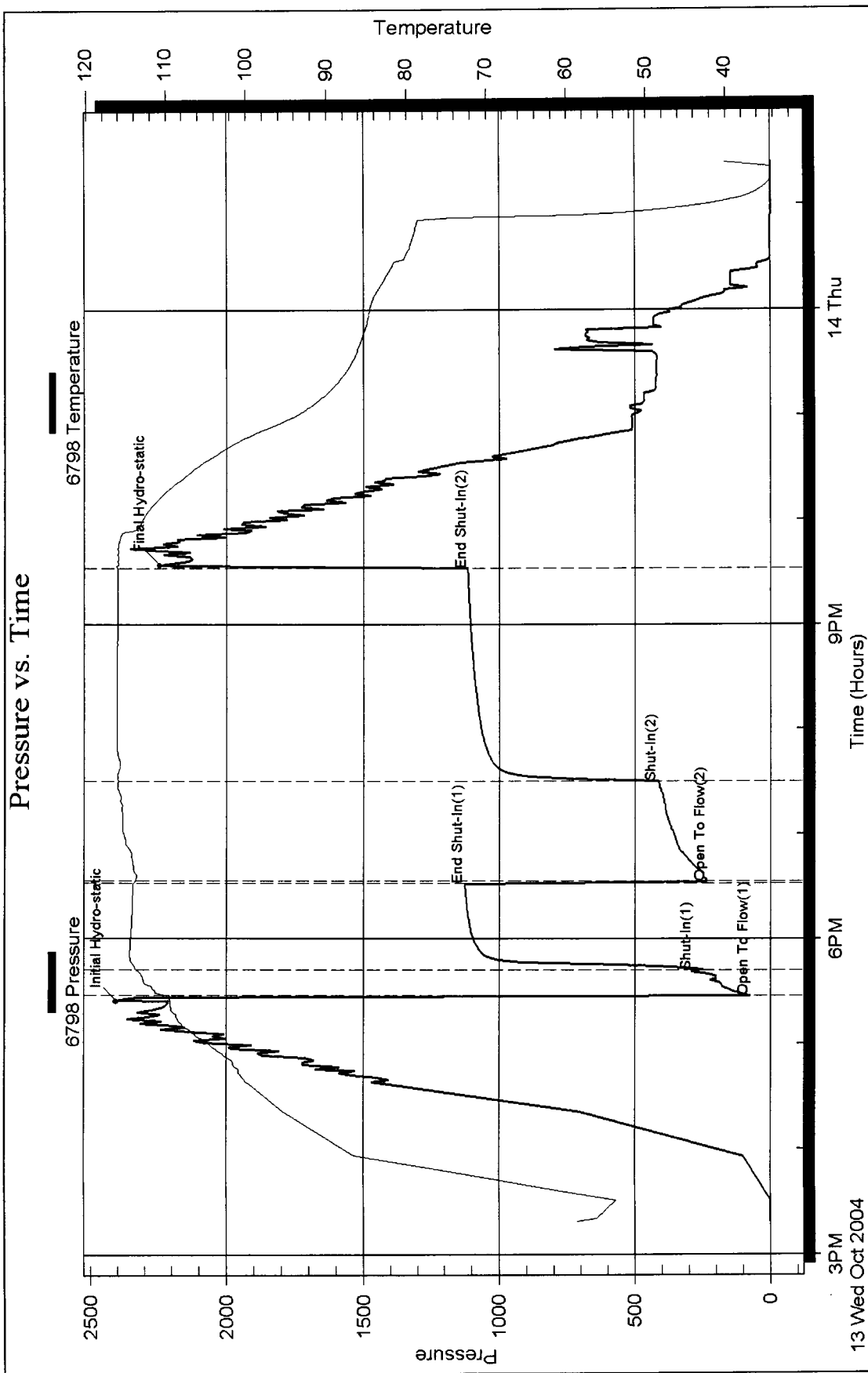
Serial #:

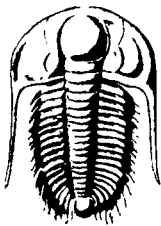
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

6856
No 20107

05/03

Test Ticket

Well Name & No. <u>Damme #35</u>	Test No. <u>1</u>	Date <u>10-11-04</u>
Company <u>Hartman Oil Company</u>	Zone Tested <u>LIKC - Marmaton</u>	
Address <u>12950 E. 13th St. Wichita, KS. 67230-1457</u>	Elevation <u>2900</u>	KB <u>2890</u> GL
Co. Rep / Geo. <u>R. Martin / S. Mitchell</u>	Cont. <u>Abercrombie #4</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>21</u> Twp. <u>22^s</u> Rge. <u>33^w</u> Co. <u>Finney</u> State <u>KS</u>		
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4280 - 4420</u>	Initial Str Wt./Lbs. <u>56,000</u>	Unseated Str Wt/Lbs. <u>56,000</u>
Anchor Length <u>140'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>70,000</u>
Top Packer Depth <u>4275</u>	Tool Weight <u>2,500</u>	
Bottom Packer Depth <u>4280</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>4420</u>	Wt. Pipe Run <u>—</u>	Drill Collar Run <u>308'</u>
Mud Wt. <u>9.1</u> LCM <u>4#/bbl</u> Vis. <u>50</u> WL <u>8.8</u>	Drill Pipe Size <u>4 1/2" XH</u>	Ft. Run <u>3959'</u>
Blow Description <u>IF: Weak blow built to 3 1/2"</u>		

ISI: No return

EF: Surface return in 5 mins built to 2"

FSI: No return

Recovery - Total Feet <u>400'</u>	GIP <u>—</u>	Ft. in DC <u>308'</u>	Ft. in DP <u>92'</u>
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. <u>400'</u> Feet of <u>MCW</u>	%gas _____	%oil <u>80</u>	%water <u>20</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 <u>.24</u> @ <u>70°</u> °F Chlorides <u>30,000</u> ppm Recovery _____ Chlorides <u>3,000</u> ppm System			

AK-1

Alpine

(A) Initial Hydrostatic Mud <u>2267</u> PSI	Recorder No. <u>6798</u>	Test <u>1000</u>
(B) First Initial Flow Pressure <u>30</u> PSI	(depth) <u>4281</u>	Elec. Rec. _____
(C) First Final Flow Pressure <u>88</u> PSI	Recorder No. <u>13309</u>	Jars <u>X</u> <u>200</u>
(D) Initial Shut-In Pressure <u>1285</u> PSI	(depth) <u>4420</u>	Safety Jt. <u>X</u> <u>50</u>
(E) Second Initial Flow Pressure <u>99</u> PSI	Recorder No. _____	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure <u>210</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure <u>1288</u> PSI	Initial Opening <u>15</u>	Straddle _____
(Q) Final Hydrostatic Mud <u>2101</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
	Final Flow <u>60</u>	Shale Packer _____
	Final Shut-In <u>90</u>	Mileage <u>1 way 30.51</u>
	T-On Location <u>2145 10-10-04</u>	Sub Total: <u>1301</u>
	T-Started <u>0215 10-11-04</u>	Std. By <u>3 hrs 90</u>
	T-Open <u>0449</u>	Other _____
	T-Pulled <u>0803</u>	Total: <u>1391</u>
	T-Out <u>1005</u>	
	T-Off <u>1015</u>	

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Approved By

Roger L Martin

Our Representative

Rad Steinbrink

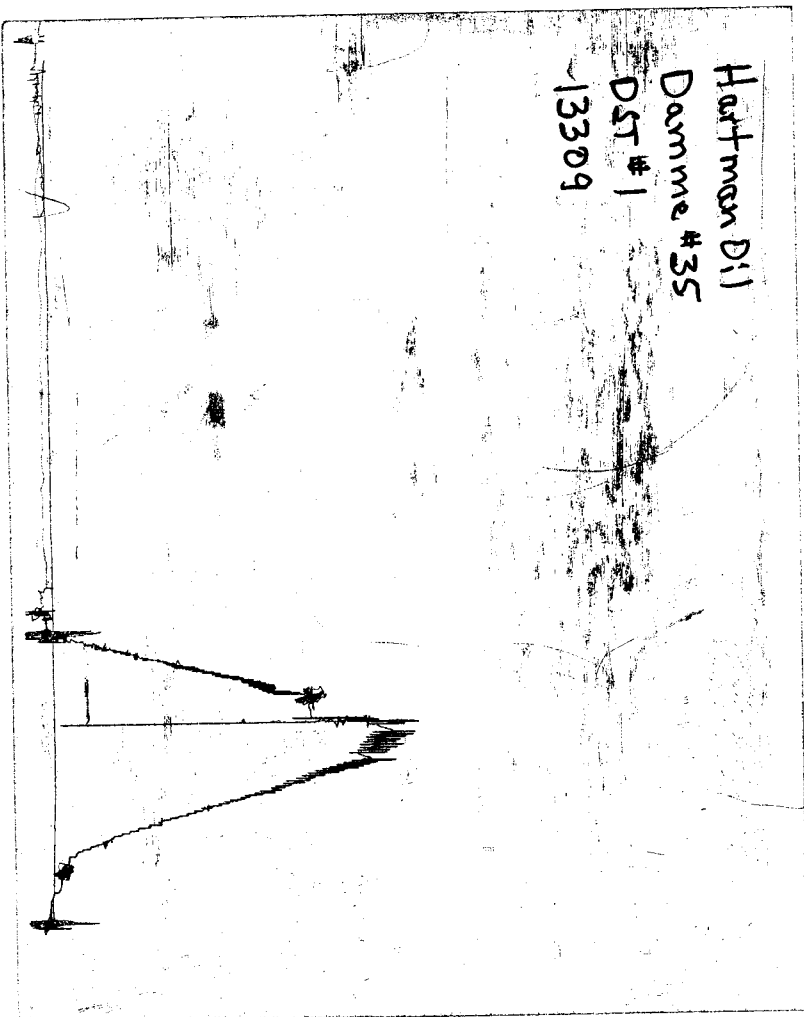
T-Off

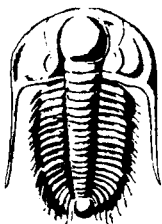
1015

12:20

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20108

05/03

Test Ticket

Well Name & No.	Damme #35	Test No.	2	Date	10-12-04
Company	Hartman Oil Company	Zone Tested	Ft. Scott/Cherokee		
Address	12950 E. 13 th St. Wichita, KS. 67230-1457	Elevation	2900	KB	2890 GL
Co. Rep / Geo.	R. Martin/S. Mitchell	Cont.	Abercrombie #4	Est. Ft. of Pay	Por. %
Location: Sec.	21	Twp.	22 ^s	Rge.	33 ^w
		Co.	Finney	State	KS.
No. of Copies		Disbtribution Sheet (Y, N)		Turnkey (Y, N)	Evaluation (Y, N)

Interval Tested	4415 - 4570	Initial Str Wt./Lbs.	56,000	Unseated Str Wt/Lbs.	56,000
Anchor Length	155'	Wt. Set Lbs.	25,000	Wt. Pulled Loose/Lbs.	60,000
Top Packer Depth	4410	Tool Weight	2,500		
Bottom Packer Depth	4415	Hole Size 7 7/8"		Rubber Size 6 3/4"	
Total Depth	4570	Wt. Pipe Run	—	Drill Collar Run	308'
Mud Wt.	9.1	LCM		Vis.	50
		WL	8.8	Drill Pipe Size	4 1/2" XH
				Ft. Run	4085'
Blow Description	IF: Weak 1/4" blow decreased to surface @ 15 mins.				

FF: No blow - flushed tool / good surge - no return

Recovery - Total Feet	30'	GIP	—	Ft. in DC	30'	Ft. in DP	—
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.	30'	Feet of	Drilg. Mud	%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
Rec.		Feet of		%gas	%oil	%water	%mud
BHT	111°	°F Gravity		°API D @		°F Corrected Gravity	
RW		@		°F	Chlorides	ppm Recovery	Chlorides 3,000 ppm System

(A) Initial Hydrostatic Mud	2345 PSI	Recorder No.	6798	Test	1000
(B) First Initial Flow Pressure	24 PSI	(depth)	4416	Elec. Rec.	
(C) First Final Flow Pressure	42 PSI	Recorder No.	13309	Jars	X 200
(D) Initial Shut-In Pressure	406 PSI	(depth)	4565	Safety Jt.	X 50
(E) Second Initial Flow Pressure	74 PSI	Recorder No.		Circ Sub	X N/C
(F) Second Final Flow Pressure	42 PSI	(depth)		Sampler	
(G) Final Shut-In Pressure	195 PSI	Initial Opening	15	Straddle	
(Q) Final Hydrostatic Mud	2105 PSI	Initial Shut-In	45	Ext. Packer	

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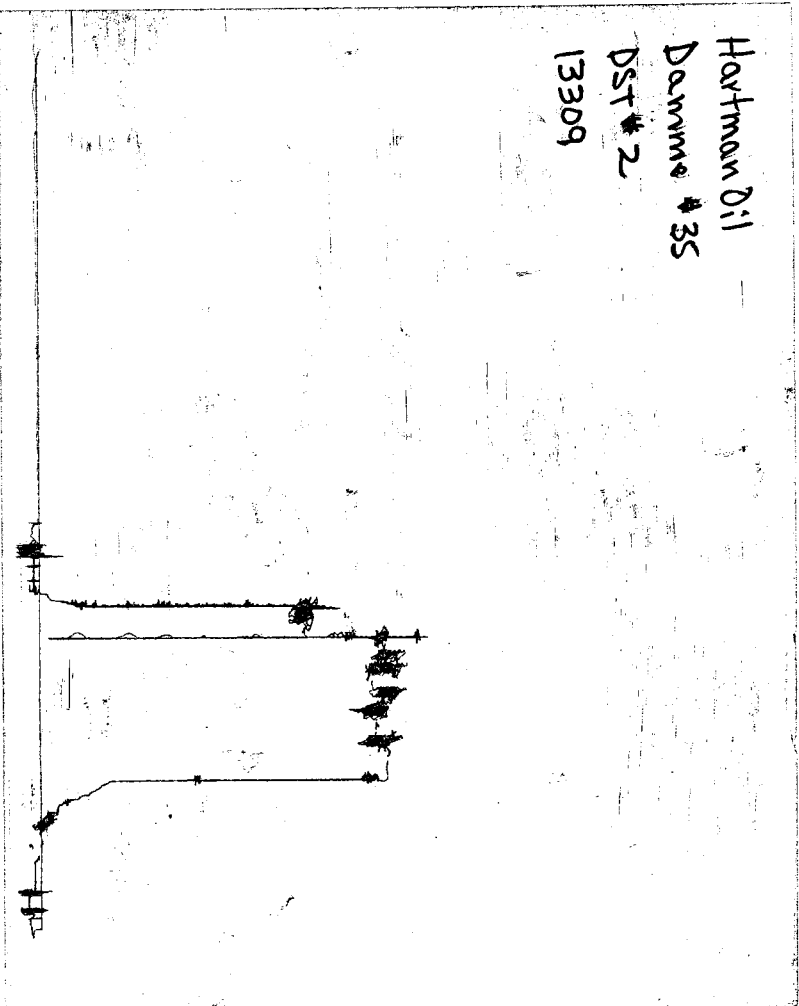
Approved By Roger Martin

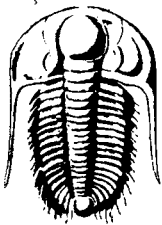
Our Representative Rod Steinbrink

Final Flow	30	Shale Packer	
Final Shut-In	30	Mileage	1 way 30 51
T-On Location	0200	Sub Total:	1301
T-Started	0255	Std. By	
T-Open	0517	Other	
T-Pulled	0724	Total:	
T-Out	0914		

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20109

05/03

Test Ticket

Well Name & No. Damme #35 Test No. 3 Date 10-12-04
 Company Hartman Oil Company Zone Tested L/KC 'I + J'
 Address 12950 E. 13th St. Wichita, KS. 67230-1457 Elevation 2900 KB 2890 GL
 Co. Rep / Geo. R. Martin / S. Mitchell Cont. Abercrombie #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 21 Twp. 22^S Rge. 33^W Co. Finney State KS.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4060 - 4115 Initial Str Wt./Lbs. 56,000 Unseated Str Wt./Lbs. 62,000
 Anchor Length 55' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 4055 - 4060 Tool Weight 4,000
 Bottom Packer Depth 4115 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 4570 (RTD) Wt. Pipe Run — Drill Collar Run 308'
 Mud Wt. 9.3 LCM 4#/bbl. Vis. 52 WL 9.6 Drill Pipe Size 4 1/2" KH Ft. Run 37543'
 Blow Description IF: Strong blow off btm 5 mins.

ISI: No return

FF: Fair blow built to 5" - decreased to 2" @ 60 mins.

FSI: No return

Recovery - Total Feet 1500' GIP — Ft. in DC 308' Ft. in DP 1192'
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. 1500' Feet of Sulphur Wtr. %gas _____ %oil 100 %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 111° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .22 @ 70° °F Chlorides 35,000 ppm Recovery _____ Chlorides 3,500 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2224</u> PSI		Recorder No.	<u>6198</u>	Test <u>1000</u>
(B) First Initial Flow Pressure	<u>62</u> PSI		(depth)	<u>4061</u>	Elec. Rec. _____
(C) First Final Flow Pressure	<u>248</u> PSI		Recorder No.	<u>13309</u>	Jars <u>X</u> <u>200</u>
(D) Initial Shut-In Pressure	<u>1224</u> PSI		(depth)	<u>4102</u>	Safety Jt. <u>X</u> <u>50</u>
(E) Second Initial Flow Pressure	<u>254</u> PSI		Recorder No.	<u>133371</u>	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>670</u> PSI		(depth)	<u>4565</u>	Sampler _____
(G) Final Shut-In Pressure	<u>1221</u> PSI	Initial Opening	<u>10</u>	Straddle <u>X</u> <u>250</u>	
(Q) Final Hydrostatic Mud	<u>1968</u> PSI	Initial Shut-In	<u>30</u>	Ext. Packer <u>X</u> <u>150</u>	
		Final Flow	<u>60</u>	Shale Packer _____	
		Final Shut-In	<u>90</u>	Mileage <u>N/C</u>	

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Approved By Roger MartinOur Representative Rod Steinbrink

T-On Location

T-Started 1047
 T-Open 1231
 T-Pulled 1551
 T-Off 1842
 T-Off 1915

Std. By _____
 Other _____
 Total: 1650

CHART PAGE

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Hartman Oil
Dome #35
DST #3
13309

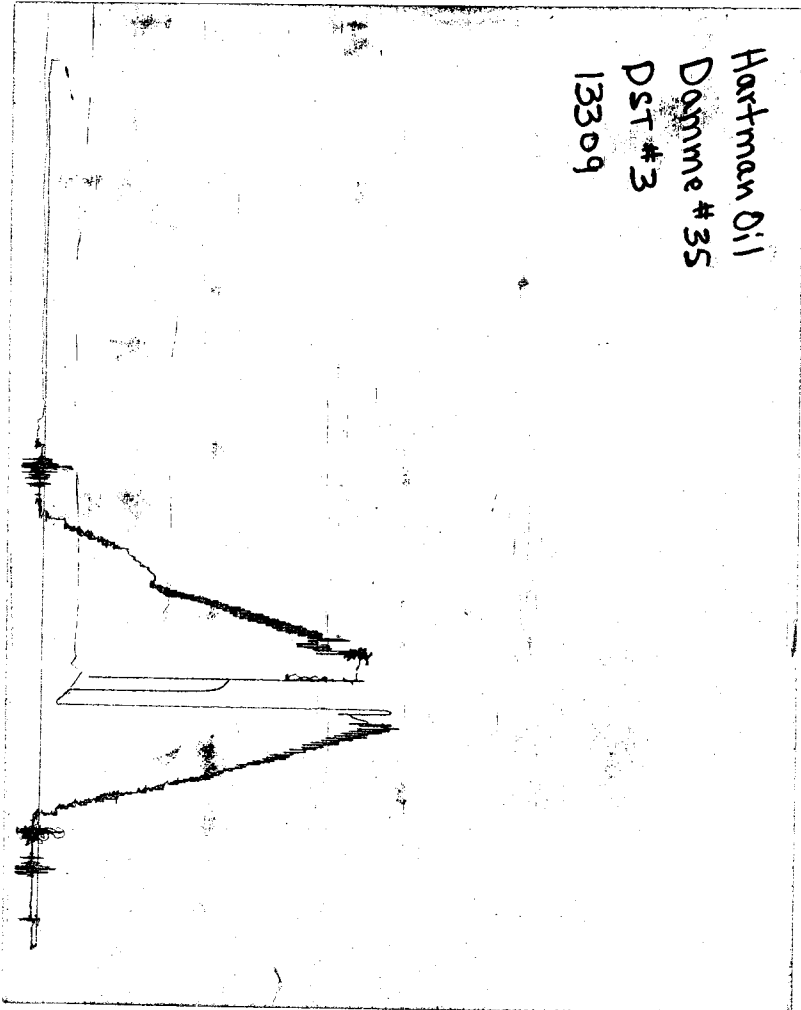
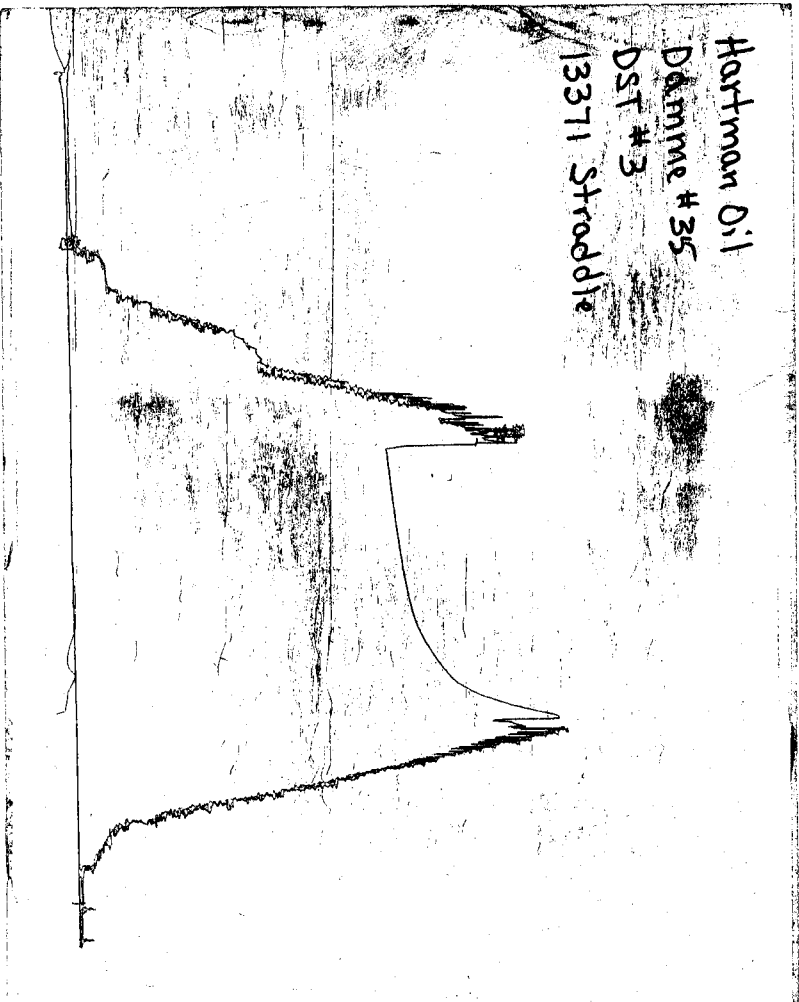
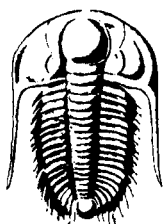


CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20110

05/03

Test Ticket

Well Name & No.	<u>Damme #35</u>	Test No.	<u>4</u>	Date	<u>10-13-04</u>
Company	<u>Hartman Oil Company</u>	Zone Tested	<u>Mississippian</u>		
Address	<u>12950 E. 13th St. Wichita, KS. 67230-1457</u>	Elevation	<u>2900</u>	KB	<u>2890</u> GL
Co. Rep / Geo.	<u>R. Martin / S. Mitchell</u>	Cont.	<u>Abercrombie #4</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>21</u>	Twp.	<u>22^S</u>	Rge.	<u>33^W</u> Co. <u>Finney</u> State <u>KS</u>
No. of Copies	<u> </u>	Disbtribution Sheet (Y, N)	<u> </u>	Turnkey (Y, N)	<u> </u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>4616 - 4775</u>	Initial Str Wt./Lbs.	<u>56,000</u>	Unseated Str Wt./Lbs.	<u>70,000</u>
Anchor Length	<u>159'</u>	Wt. Set Lbs.	<u>25,000</u>	Wt. Pulled Loose/Lbs.	<u>56,000</u>
Top Packer Depth	<u>4611</u>	Tool Weight	<u>2,500</u>		
Bottom Packer Depth	<u>4616</u>	Hole Size 7 7/8"	<u> </u>	Rubber Size 6 3/4"	<u> </u>
Total Depth	<u>4775</u>	Wt. Pipe Run	<u> </u>	Drill Collar Run	<u>308'</u>
Mud Wt.	<u>9.3</u>	LCM <u>3*/661</u> Vis. <u>53</u>	WL <u>8.0</u>	Drill Pipe Size <u>4 1/2" XH</u>	Ft. Run <u>4301'</u>
Blow Description	<u>IF: Fair to strong off btm 10 mins.</u>				
	<u>ISI: No return</u>				
	<u>FF: Fair to strong off btm 10 mins.</u>				
	<u>FSI: No return</u>				
Recovery - Total Feet	<u>975'</u>	GIP	<u> </u>	Ft. in DC	<u>308'</u>
				Ft. in DP	<u>667'</u>
Rec.		Feet of	<u>Reversed Out Fluid</u>	%gas	%oil %water %mud
Rec.	<u>135'</u>	Feet of	<u>GO approx. 50</u>	%gas <u>50</u>	%oil %water %mud
Rec.		Feet of		%gas	%oil %water %mud
Rec.	<u>840'</u>	Feet of	<u>OCM approx. #</u>	%gas <u>10</u>	%oil <u> </u> %water <u>90</u> %mud
Rec.		Feet of		%gas	%oil %water %mud
BHT	<u>116"</u>	°F Gravity	<u> </u>	°API D @	<u> </u> °F Corrected Gravity <u> </u> °API
RW	<u> </u>	@	<u> </u> °F	Chlorides	<u> </u> ppm Recovery <u> </u> Chlorides <u>3,800</u> ppm System

(A) Initial Hydrostatic Mud	<u>2405</u> PSI	Recorder No.	<u>6798</u>	Test	<u>1000</u>
(B) First Initial Flow Pressure	<u>74</u> PSI	(depth)	<u>4617</u>	Elec. Rec.	<u> </u>
(C) First Final Flow Pressure	<u>285</u> PSI	Recorder No.	<u>13309</u>	Jars	<u>X 200</u>
(D) Initial Shut-In Pressure	<u>1124</u> PSI	(depth)	<u>4770</u>	Safety Jt.	<u>X 50</u>
(E) Second Initial Flow Pressure	<u>233</u> PSI	Recorder No.	<u> </u>	Circ Sub	<u>X 35⁹²</u>
(F) Second Final Flow Pressure	<u>413</u> PSI	(depth)	<u> </u>	Sampler	<u> </u>
(G) Final Shut-In Pressure	<u>1112</u> PSI	Initial Opening	<u>15</u>	Straddle	<u> </u>
(Q) Final Hydrostatic Mud	<u>2245</u> PSI	Initial Shut-In	<u>45</u>	Ext. Packer	<u> </u>
		Final Flow	<u>60</u>	Shale Packer	<u> </u>
		Final Shut-In	<u>120</u>	Mileage	<u>1 way 30.51</u>
		T-On Location	<u>1415</u>	Sub Total:	<u>1336</u>
		T-Started	<u>1518</u>	Std. By	<u>2 hrs 60</u>
		T-Open	<u>1726</u>	Other	<u> </u>
		T-Pulled	<u>2132</u>	Total:	<u>1396</u>
		T-Out	<u>0123 10-14-04</u>		

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Approved By Roger Martin

Our Representative Rod Steinbrink

11:08

CHART PAGE

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