

DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co. Inc.**

12950 13th St
Wichita, Ks 67230-1457

ATTN: Wes Hansen

28-22-33w

Damme #34

Start Date: 2004.07.07 @ 09:44:00

End Date: 2004.07.07 @ 18:35:45

Job Ticket #: 19588 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 Co. Inc.
12950 13th St
Wichita, Ks 67230-1457
ATTN: Wes Hansen

Damme #34

28-22-33w

Job Ticket: 19588

DST#: 1

Test Start: 2004.07.07 @ 09:44:00

GENERAL INFORMATION:

Formation: **Morrow**

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

Time Tool Opened: 12:08:30

Time Test Ended: 18:35:45

Test Type: Conventional Bottom Hole

Tester: Leroy

Unit No: 15

Interval: **4664.00 ft (KB) To 4682.00 ft (KB) (TVD)**

Total Depth: 4682.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2888.00 ft (KB)

2883.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6724

Inside

Press@RunDepth: 131.88 psig @ 4664.00 ft (KB)

Start Date: 2004.07.07

End Date:

2004.07.07

Start Time: 09:44:01

End Time:

18:35:45

Capacity: 7000.00 psig

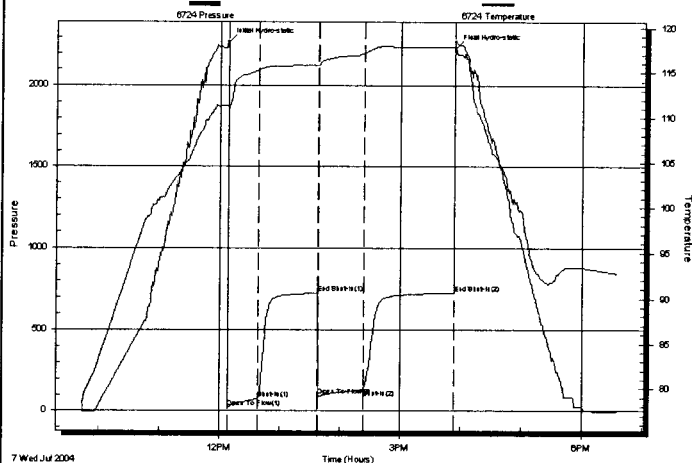
Last Calib.: 1899.12.30

Time On Btm: 2004.07.07 @ 12:07:45

Time Off Btm: 2004.07.07 @ 15:54:00

TEST COMMENT: IF: Bottom bucket 23 mins. fair blow.
IS: Bled off 2 mins. .5 inch. weak blow in 10 mins.
FF: Bottom bucket 10 mins. fair blow.
FS: Bled off 3 mins. weak blow 3 inch. in 20 mins.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2270.64	111.30	Initial Hydro-static
1	20.20	110.66	Open To Flow (1)
31	74.98	115.27	Shut-In (1)
90	725.56	115.84	End Shut-In (1)
91	93.20	115.83	Open To Flow (2)
136	131.88	117.11	Shut-In (2)
225	726.49	117.79	End Shut-In (2)
227	2235.66	118.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Gas cut oil	0.01
171.00	Gas oil cut mud	0.84
116.00	Oil cut mud	0.57
	496 ft gas in pipe	

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 Co. Inc.
12950 13th St
Wichita, Ks 67230-1457
ATTN: Wes Hansen

Damme #34
28-22-33w
Job Ticket: 19588 **DST#: 1**
Test Start: 2004.07.07 @ 09:44:00

Tool Information

Drill Pipe:	Length: 4192.00 ft	Diameter: 3.80 inches	Volume: 58.80 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:	30000.00 lb
Drill Collar:	Length: 461.00 ft	Diameter: 2.25 inches	Volume: 2.27 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 61.07 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	4664.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	18.00 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
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Stubb	1.00			4637.00	
Shut In Tool	5.00			4642.00	
Hydraulic tool	5.00			4647.00	
Jars	5.00			4652.00	
Safety Joint	3.00			4655.00	
Packer	5.00		Fluid	4660.00	28.00 Bottom Of Top Packer
Packer	4.00			4664.00	
Recorder	0.00	6724	Inside	4664.00	
Perforations	14.00			4678.00	
Recorder	0.00	13849	Inside	4678.00	
Bullnose	4.00			4682.00	18.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co. Inc.

Damme #34

12950 13th St
Wichita, Ks 67230-1457

28-22-33w

Job Ticket: 19588

DST#: 1

ATTN: Wes Hansen

Test Start: 2004.07.07 @ 09:44:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30.6 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Gas cut oil	0.015
171.00	Gas oil cut mud	0.841
116.00	Oil cut mud	0.570
	496 ft gas in pipe	

Total Length: 290.00 ft Total Volume: 1.426 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

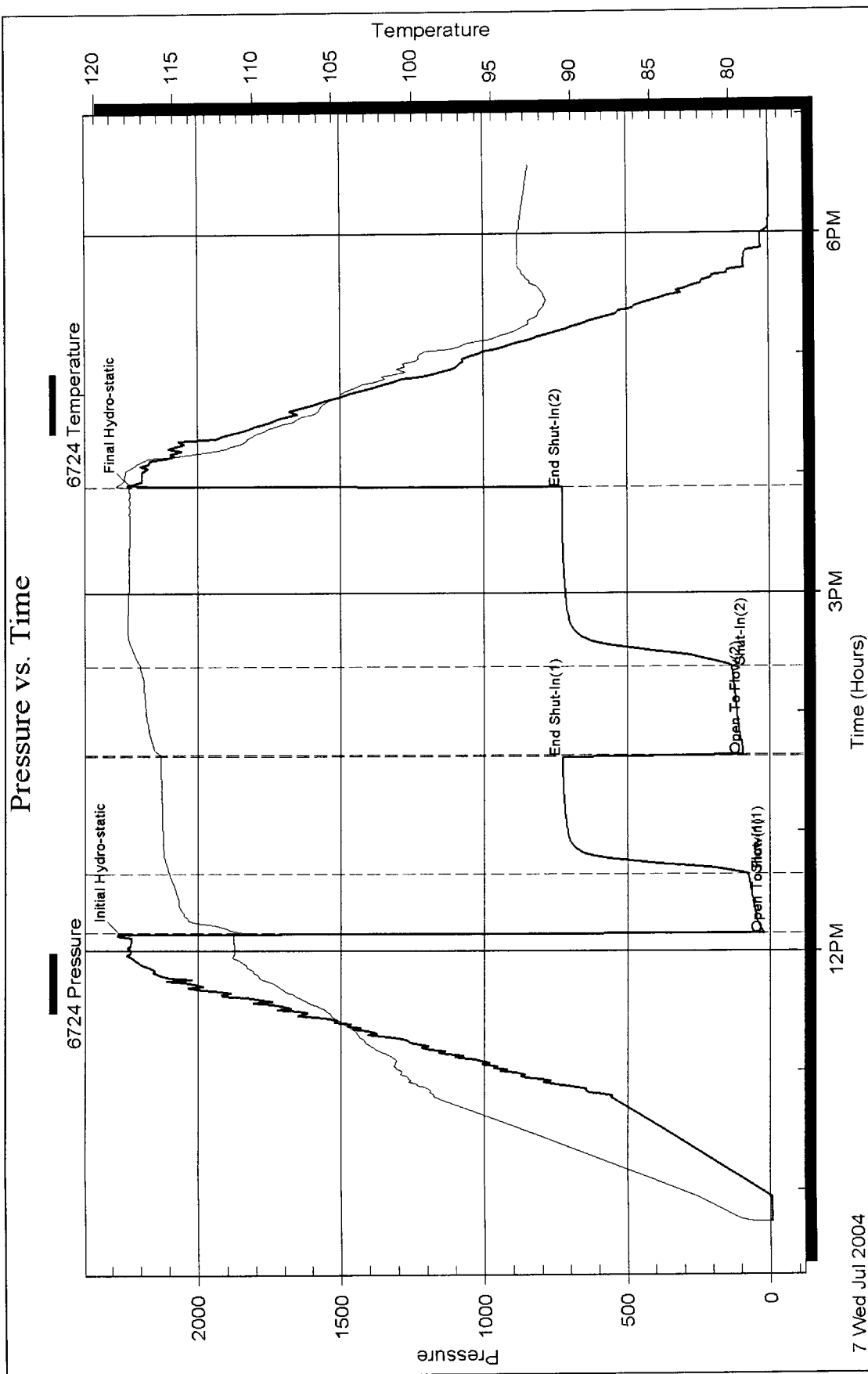
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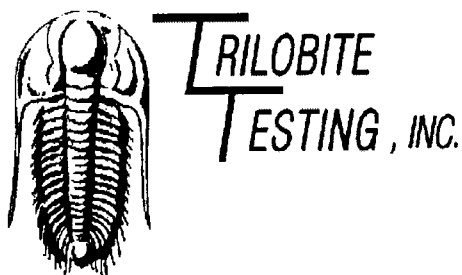
Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity 34.2 @ 96 deg

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co. Inc.**

12950 13th St
Wichita, Ks 67230-1457

ATTN: Wes Hansen

28-22-33w

Damme #34

Start Date: 2004.07.08 @ 04:37:30

End Date: 2004.07.08 @ 12:39:15

Job Ticket #: 19589 DST #: 2

Trilobite Testing, Inc

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



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DRILL STEM TEST REPORT

Hartman Oil Co. Inc.

12950 13th St
Wichita, Ks 67230-1457

ATTN: Wes Hansen

Damme #34

28-22-33w

Job Ticket: 19589

DST#: 2

Test Start: 2004.07.08 @ 04:37:30

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:59:00

Time Test Ended: 12:39:15

Test Type: Conventional Bottom Hole

Tester: Leroy

Unit No: 15

Interval: **4679.00 ft (KB) To 4714.00 ft (KB) (TVD)**

Total Depth: 4714.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2888.00 ft (KB)

2883.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6724 Inside

Press@RunDepth: 132.84 psig @ 4679.00 ft (KB)

Start Date: 2004.07.08

End Date:

2004.07.08

Start Time: 04:37:31

End Time:

12:39:15

Capacity: 7000.00 psig

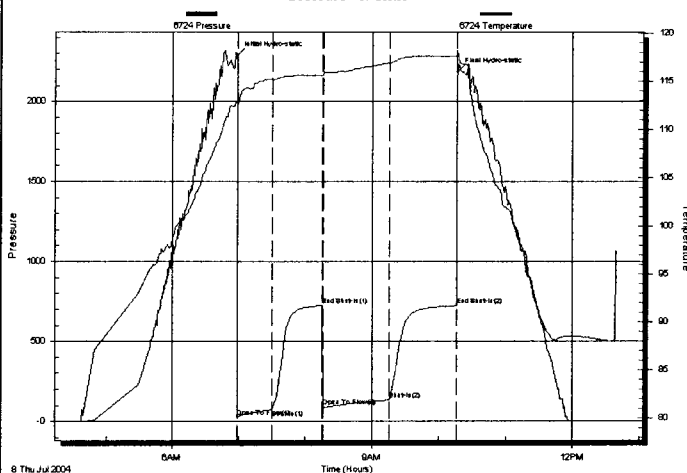
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Time On Btm: 2004.07.08 @ 06:58:15

Time Off Btm: 2004.07.08 @ 10:16:30

TEST COMMENT: IF: Weak blow bottom bucket in 30 mins.
IS: Bled off 2 mins built to .75 in 15 mins died in 16 mins.
FF: Fair blow bottom bucket in 18 mins.
FS: Bled off 2 mins weak blow built to 1.5 inches in 9 mins

Pressure vs. Time



PRESSURE SUMMARY

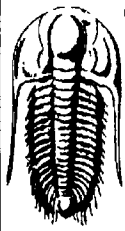
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2291.38	112.98	Initial Hydro-static
1	22.65	112.57	Open To Flow (1)
32	72.55	115.23	Shut-In (1)
78	723.62	115.62	End Shut-In (1)
78	88.59	115.58	Open To Flow (2)
137	132.84	116.89	Shut-In (2)
198	721.15	117.58	End Shut-In (2)
199	2184.77	117.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
239.00	Slight water gas & oil cut mud	1.18
	765 ft gip	

Gas Rates

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

TOOL DIAGRAM

Hartman Oil Co. Inc.

Damme #34

12950 13th St
Wichita, Ks 67230-1457

28-22-33w

Job Ticket: 19589

DST#: 2

ATTN: Wes Hansen

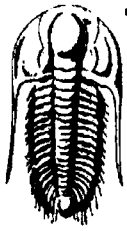
Test Start: 2004.07.08 @ 04:37:30

Tool Information

Drill Pipe:	Length: 4195.00 ft	Diameter: 3.80 inches	Volume: 58.84 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: 30000.00 lb
Drill Collar:	Length: 461.00 ft	Diameter: 2.25 inches	Volume: 2.27 bbl	Weight to Pull Loose: 74000.00 lb
		Total Volume:	61.11 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4679.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 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
Stubb	1.00			4652.00	
Shut In Tool	5.00			4657.00	
Hydraulic tool	5.00			4662.00	
Jars	5.00			4667.00	
Safety Joint	3.00			4670.00	
Packer	5.00		Fluid	4675.00	28.00 Bottom Of Top Packer
Packer	4.00			4679.00	
Recorder	0.00	6724	Inside	4679.00	
Perforations	31.00			4710.00	
Recorder	0.00	13849	Inside	4710.00	
Bullnose	4.00			4714.00	35.00 Bottom Packers & Anchor

Total Tool Length: 63.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co. Inc.

Damme #34

12950 13th St
Wichita, Ks 67230-1457

28-22-33w

Job Ticket: 19589

DST#: 2

ATTN: Wes Hansen

Test Start: 2004.07.08 @ 04:37:30

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: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
239.00	Slight water gas & oil cut mud	1.175
	765 ft gip	

Total Length: 239.00 ft Total Volume: 1.175 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6724

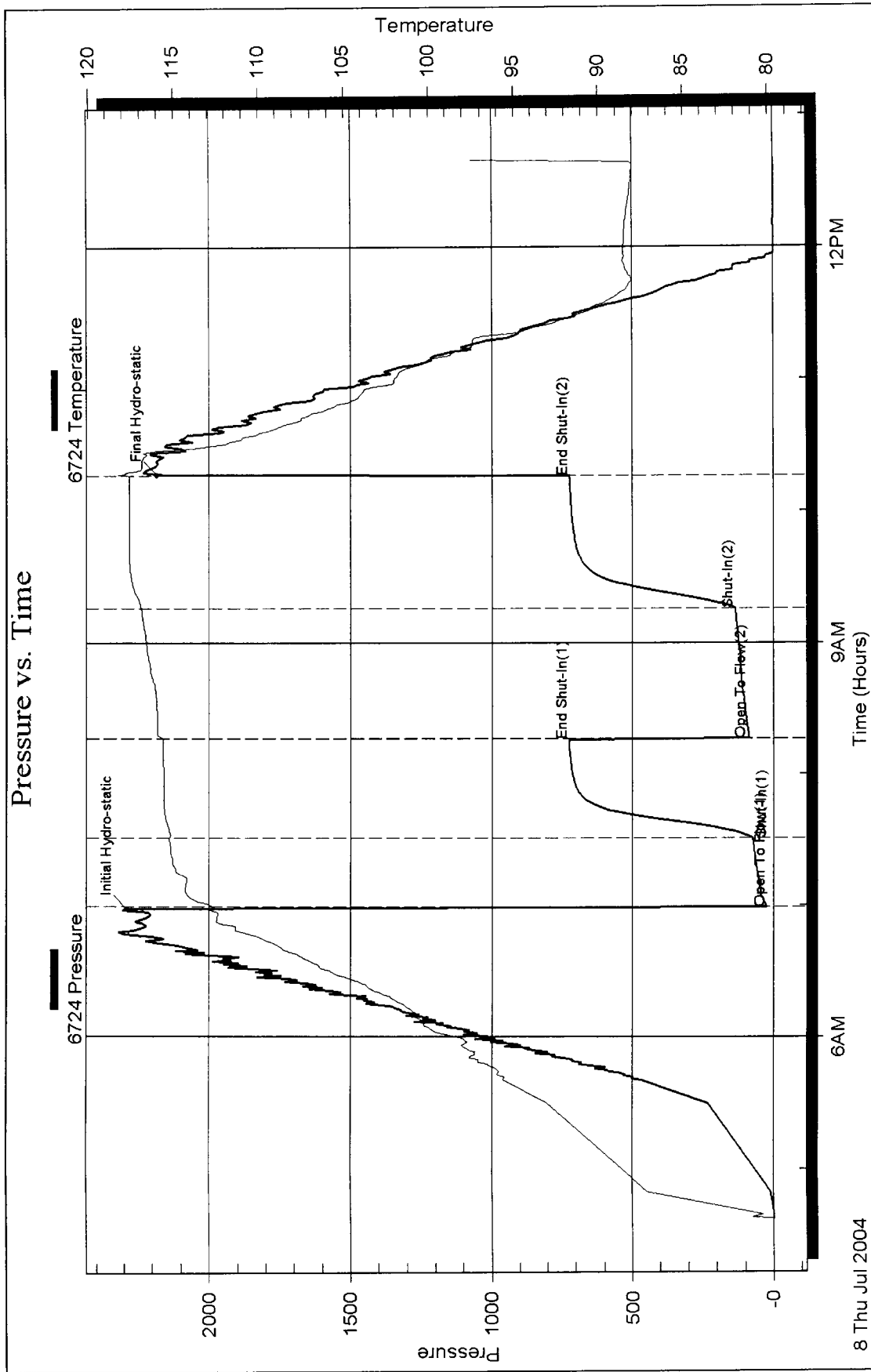
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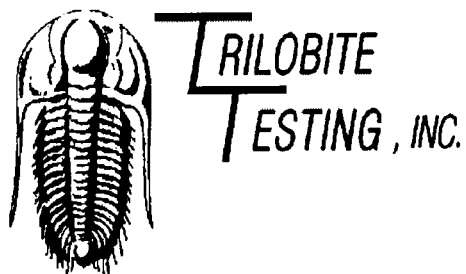
Hartman Oil Co. Inc.

28-22-33w

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Hartman Oil Co. Inc.**

12950 13th St
Wichita, Ks 67230-1457

ATTN: Wes Hansen

28-22-33w

Damme #34

Start Date: 2004.07.09 @ 19:50:28

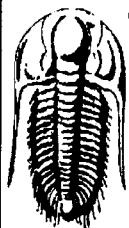
End Date: 2004.07.10 @ 03:00:58

Job Ticket #: 19033 DST #: 3

Trilobite Testing, Inc

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Hartman Oil Co. Inc.
12950 13th St
Wichita, Ks 67230-1457
ATTN: Wes Hansen

Damme #34

28-22-33w

Job Ticket: 19033

DST#: 3

Test Start: 2004.07.09 @ 19:50:28

GENERAL INFORMATION:

Formation: **St Louis**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:51:13

Time Test Ended: 03:00:58

Test Type: Conventional Bottom Hole

Tester: Rod Steinbrink

Unit No: 22

Interval: **4738.00 ft (KB) To 4760.00 ft (KB) (TVD)**

Total Depth: 4900.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2888.00 ft (KB)

2883.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6798

Inside

Press@RunDepth: 14.20 psig @ 4739.00 ft (KB)

Start Date: 2004.07.09

End Date:

2004.07.10

Start Time: 19:50:30

End Time:

03:00:58

Capacity: 7000.00 psig

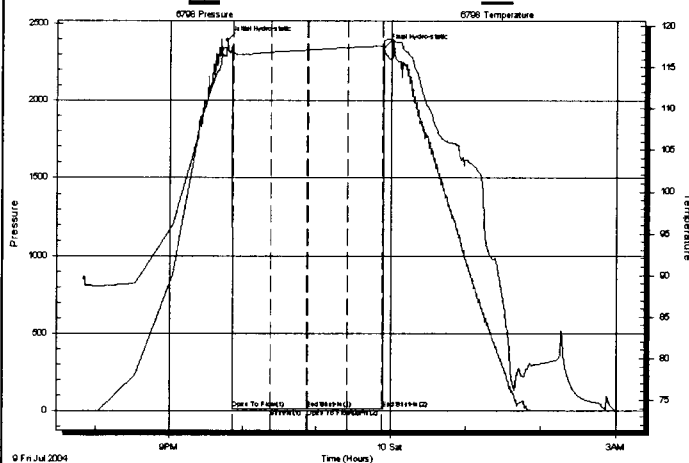
Last Calib.: 1899.12.30

Time On Btm: 2004.07.09 @ 21:46:43

Time Off Btm: 2004.07.09 @ 23:53:58

TEST COMMENT: IF; Very weak surface blow died at 5 mins
FF; No return blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2393.72	117.31	Initial Hydro-static
5	12.59	116.25	Open To Flow (1)
36	13.46	116.79	Shut-In(1)
66	14.26	117.06	End Shut-In(1)
67	14.25	117.07	Open To Flow (2)
98	14.20	117.35	Shut-In(2)
127	14.23	117.57	End Shut-In(2)
128	2343.80	118.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Drig. Mud	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Hartman Oil Co. Inc.

Damme #34

12950 13th St
Wichita, Ks 67230-1457

28-22-33w

Job Ticket: 19033

DST#: 3

ATTN: Wes Hansen

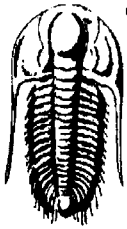
Test Start: 2004.07.09 @ 19:50:28

Tool Information

Drill Pipe:	Length: 4281.00 ft	Diameter: 3.80 inches	Volume: 60.05 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: 461.00 ft	Diameter: 2.25 inches	Volume: 2.27 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	62.32 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4738.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	152.00 ft			
Tool Length:	178.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4717.00	
Hydraulic tool	5.00			4722.00	
Jars	5.00			4727.00	
Safety Joint	2.00			4729.00	
Packer	4.00			4733.00	26.00 Bottom Of Top Packer
Packer	5.00			4738.00	
Stubb	1.00			4739.00	
Recorder	0.00	6798	Inside	4739.00	
Recorder	0.00	13371	Outside	4739.00	
Perforations	6.00			4745.00	
Blank Off Sub	1.00			4746.00	152.00 Tool Interval
Packer	4.00			4750.00	
Stubb	1.00			4751.00	
Anchor	8.00			4759.00	
Change Over Sub	1.00			4760.00	
Anchor	124.00			4884.00	
Change Over Sub	1.00			4885.00	
Recorder	0.00	13276	Below	4885.00	
Bullnose	5.00			4890.00	1000177.00 Bottom Packers & Anchor

Total Tool Length: 178.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Hartman Oil Co. Inc.

Damme #34

12950 13th St
Wichita, Ks 67230-1457

28-22-33w

Job Ticket: 19033

DST#: 3

ATTN: Wes Hansen

Test Start: 2004.07.09 @ 19:50:28

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Drig. Mud	0.005

Total Length: 1.00 ft Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

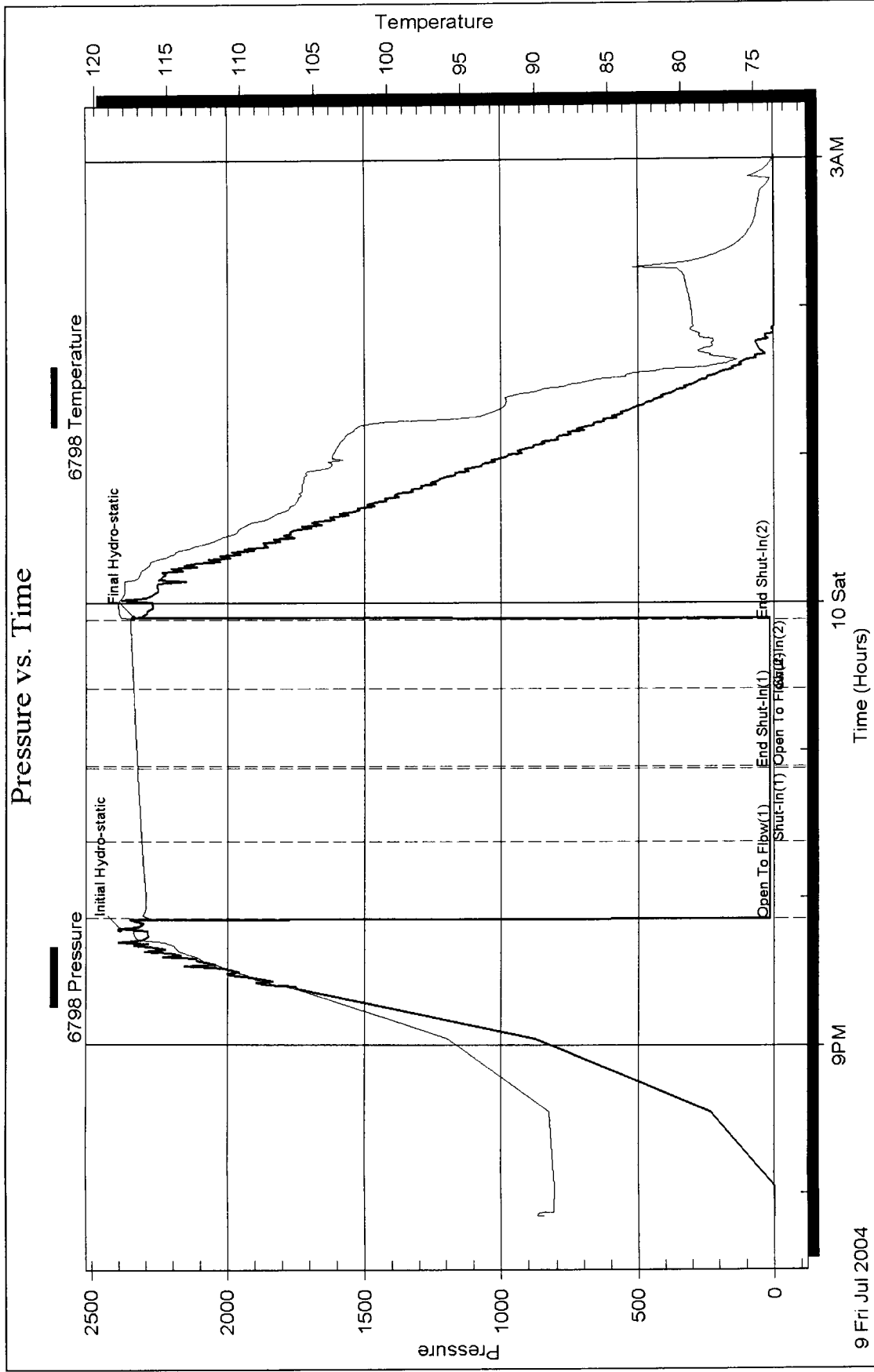
Recovery Comments:

Serial #: 6798

Inside Hartman Oil Co. Inc.

28-22-33w

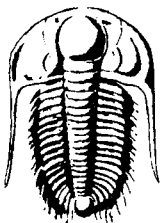
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 19033

Printed: 2004.07.14 @ 10:43:52 Page 5



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19588

05/03

Test Ticket

Well Name & No. Damme #34 Test No. 1 Date 7-7-04
Company Hartman Oil Co. Inc. Zone Tested Morrow
Address 12950 E. 13th St Wichita, KS 67230-1457 Elevation 2888 KB 2883 GL
Co. Rep / Geo. Wes Hansen Cont. Abercrombie #8 Est. Ft. of Pay _____ Por. _____ %
Location: Sec. 28 Twp. 22 Rge. 33W Co. Finney State KS
No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4664-4682 Initial Str Wt./Lbs. 64,000 Unseated Str Wt./Lbs. 68,000
Anchor Length 18 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 80,000
Top Packer Depth 4659 Tool Weight 2000
Bottom Packer Depth 4664 Hole Size 7 7/8" X Rubber Size 6 3/4" X
Total Depth 4682 Wt. Pipe Run 0 Drill Collar Run 401
Mud Wt. 9.0 LCM 2" Vis. 50 WL 7.2 Drill Pipe Size 4 1/2 X N Ft. Run 4192
Blow Description FF: Bottom Bucket 23mins Fair Blow
IS: Bled off 2mins 1/2 inch weard Blow in 10mins
FF: Bottom Bucket 10mins Fair Blow
IS: Bled off 3mins weak Blow 3 inch in 20mins
Recovery - Total Feet 290 GIP 496 Ft. in DC 290 Ft. in DP _____
Rec. 3 Feet of Gas cut 0:1 50 %gas 50 %oil _____ %water _____ %mud
Rec. 113 Feet of Gas 0:1 Cut mud 50 %gas 90 %oil _____ %water 10 %mud
Rec. 58 Feet of Gas 0:1 Cut mud 20 %gas 30 %oil _____ %water 50 %mud
Rec. 110 Feet of 0:1 Cut mud _____ %gas 10 %oil _____ %water 90 %mud
Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
BHT 117 °F Gravity 34.2 °API D @ 96 °F Corrected Gravity 30.6 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 1300 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2270</u> PSI	<u>6724</u>	<u>1000</u>
(B) First Initial Flow Pressure		<u>20</u> PSI	(depth)	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure		<u>74</u> PSI	Recorder No. <u>13849</u>	Jars <u>X</u> <u>200</u>
(D) Initial Shut-In Pressure		<u>725</u> PSI	(depth) <u>4678</u>	Safety Jt. <u>X</u> <u>50</u>
(E) Second Initial Flow Pressure		<u>93</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>131</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>726</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>2235</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
			Final Flow <u>45</u>	Shale Packer _____
			Final Shut-In <u>90</u>	Mileage <u>32</u> <u>54.40</u>
			T-On Location <u>8:45</u>	Sub Total: <u>1304.40</u>
			T-Started <u>9:44</u>	Std. By <u>3/4hr</u> <u>22.50</u>
			T-Open <u>12:08</u>	Other _____
			T-Pulled <u>15:53</u>	Total: <u>1326.90</u>
			T-Out <u>14:35</u>	

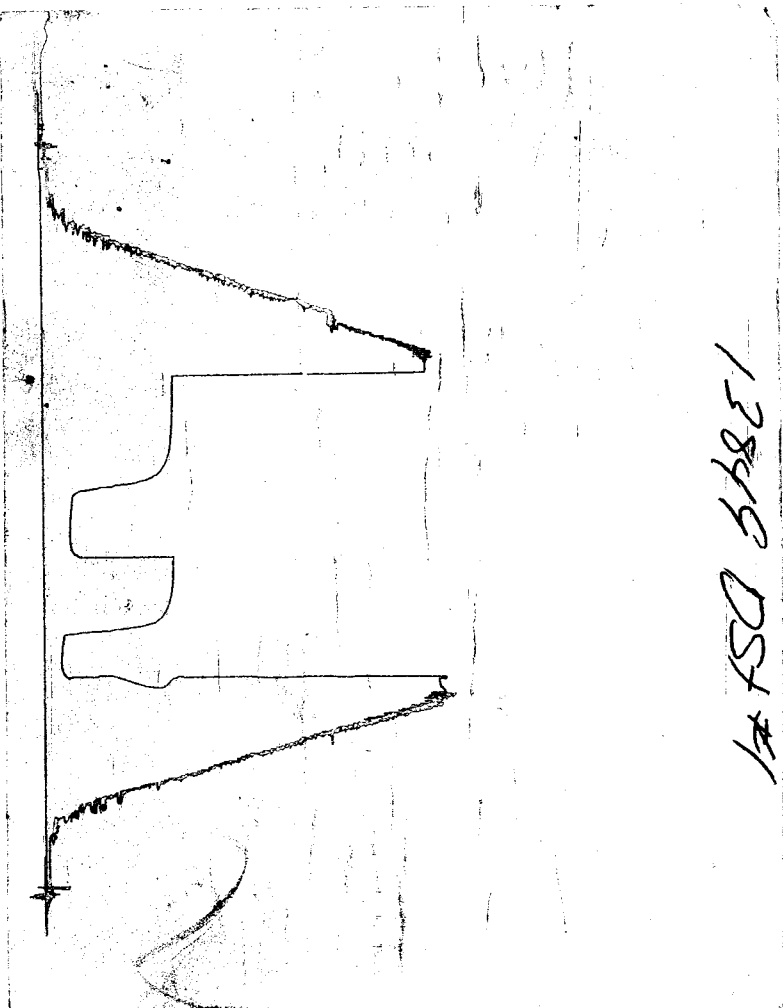
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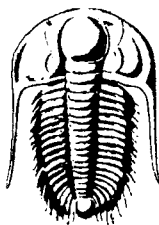
Approved By Wesley Hansen
Our Representative Levy Blach

CHART PAGE

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

13849 DSX #1





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19589

05/03

Test Ticket

Well Name & No.	Damme #34	Test No.	2	Date	7-8-04
Company	Hartman Oil Co. Inc.	Zone Tested	Morrow		
Address	12950 E 13 th St W. Ch. 14, KS 67230	Elevation	2888	KB	2883 GL
Co. Rep / Geo.	Wes Hansen	Cont.	Abercomb.C #8	Est. Ft. of Pay	Por. %
Location: Sec.	28	Twp.	22	Rge.	33 W Co. Finney State KS
No. of Copies		Disbtribution Sheet (Y, N)		Turnkey (Y, N)	Evaluation (Y, N)

Interval Tested	4679 - 4714	Initial Str Wt./Lbs.	108,000	Unseated Str Wt./Lbs.	79,000
Anchor Length	35	Wt. Set Lbs.	30,000	Wt. Pulled Loose/Lbs.	74,000
Top Packer Depth	4674	Tool Weight	2000		
Bottom Packer Depth	4679	Hole Size	7 7/8" 1	Rubber Size	6 3/4" X
Total Depth	4714	Wt. Pipe Run	0	Drill Collar Run	461
Mud Wt.	9.1	LCM	2"	Vis.	59
		WL	8.8	Drill Pipe Size	4 1/2 X N
				Ft. Run	4195

Blow Description IF: Weak Blow Bottom Bucket in 30 mins
IS: Gled OFF 2 mins weak Blow Built to 3/4 in 15 mins Died in 16 mins.
FP: Fair Blow Bottom Bucket + 18 mins.
FS: Bed OFF 2 mins weak Blow Built to 1 1/2 inches in 9 mins Died in 27 mins.

Recovery - Total Feet	239	GIP	705	Ft. in DC	239	Ft. in DP	
Rec.	239	Feet of	Slight water gas to 1 cut mud	%gas	30	%oil	10
				%water	20	%mud	
Rec.		Feet of		%gas		%oil	
				%water		%mud	
Rec.		Feet of		%gas		%oil	
				%water		%mud	
Rec.		Feet of		%gas		%oil	
				%water		%mud	
BHT	117	°F Gravity		°API D @		°F Corrected Gravity	
RW		@		°F		Chlorides	1600
				ppm Recovery		Chlorides	ppm System

AK-1	Alpine					
(A) Initial Hydrostatic Mud	2291	PSI	Recorder No.	6724	Test	1000
(B) First Initial Flow Pressure	22	PSI	(depth)		Elec. Rec.	X
(C) First Final Flow Pressure	72	PSI	Recorder No.	13849	Jars	X 200
(D) Initial Shut-In Pressure	723	PSI	(depth)	4710	Safety Jt.	X 50
(E) Second Initial Flow Pressure	88	PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure	132	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure	721	PSI	Initial Opening	30	Straddle	
(Q) Final Hydrostatic Mud	2184	PSI	Initial Shut-In	45	Ext. Packer	
			Final Flow	60	Shale Packer	
			Final Shut-In	60	Mileage	32 54.40
			T-On Location	2:45	Sub Total:	1304.40
			T-Started	4:37	Std. By	74 22.50
			T-Open	7:00	Other	
			T-Pulled	10:15	Total:	1326.90
			T-Out	12:39		

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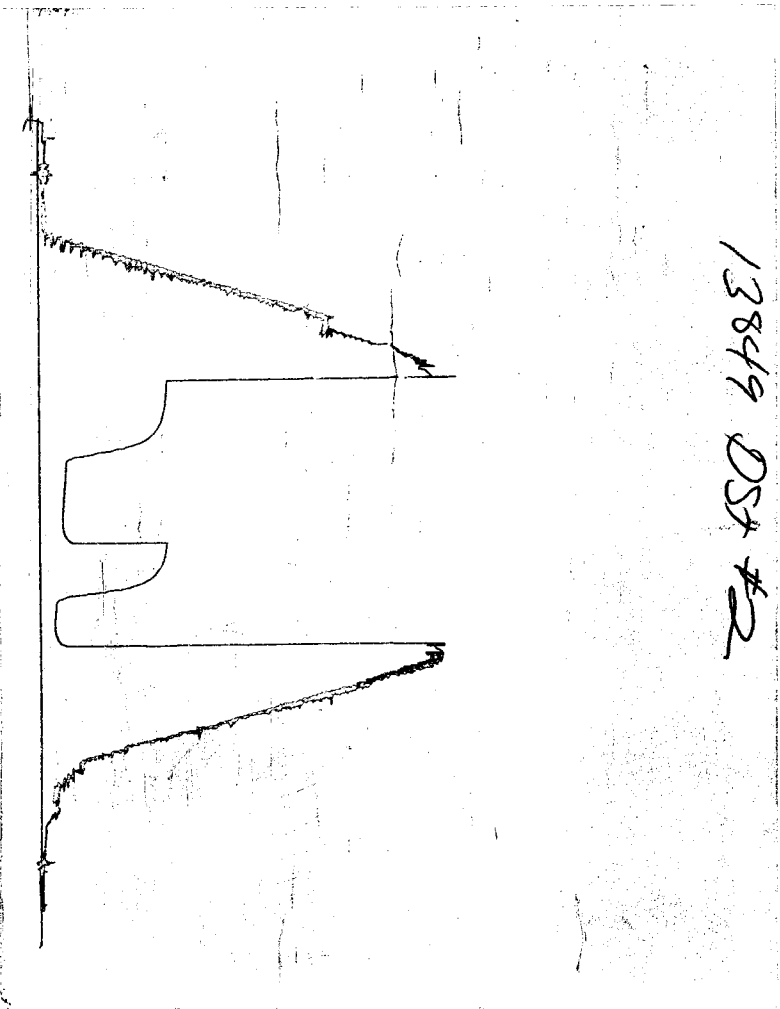
Approved By Wes Hansen

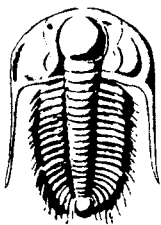
Our Representative Leroy Block

CHART PAGE

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13849 DST #2





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No. 19033

05/03

Test Ticket

Well Name & No. <u>Damme #34</u>	Test No. <u>3</u>	Date <u>7-9-04</u>
Company <u>Hartman Oil Company Inc.</u>	Zone Tested <u>St. Louis</u>	
Address <u>12950 E. 13th St. Wichita, KS. 67230-1457</u>	Elevation <u>2893</u>	KB <u>2888</u> GL
Co. Rep / Geo. <u>Wes Hansen</u>	Cont. <u>Abercrombie #8</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>28</u> Twp. <u>22S</u> Rge. <u>33W</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>4738 - 4760</u>	Initial Str Wt./Lbs. <u>70,000</u>	Unseated Str Wt./Lbs. <u>70,000</u>
Anchor Length <u>12'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>80,000</u>
Top Packer Depth <u>4733 - 4738</u>	Tool Weight <u>2,500</u>	
Bottom Packer Depth <u>4760</u>	Hole Size <u>7 7/8"</u>	Rubber Size <u>6 3/4"</u>
Total Depth <u>(RTD) 4900</u>	Wt. Pipe Run <u>—</u>	Drill Collar Run <u>461'</u>
Mud Wt. <u>9.2</u> LCM <u>1#</u> Vis. <u>49</u> WL <u>7.2</u>	Drill Pipe Size <u>4 1/2" XH</u>	Ft. Run <u>4281'</u>
Blow Description <u>IF: Very weak surface blow died at 5 mins</u>		

FF: No return blow.

Recovery - Total Feet <u>1'</u>	GIP <u>—</u>	Ft. in DC <u>1'</u>	Ft. in DP <u>—</u>
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. <u>1'</u>	Feet of <u>Drilg. Mud</u>	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
Rec. _____	Feet of _____	%gas _____	%oil _____ %water _____ %mud _____
BHT <u>117°</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____ °API _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides <u>1,600</u> ppm System

(A) Initial Hydrostatic Mud	<u>2393</u> PSI	Recorder No. <u>6798</u>	Test _____
(B) First Initial Flow Pressure	<u>12</u> PSI	(depth) <u>4739</u>	Elec. Rec. <u>X</u>
(C) First Final Flow Pressure	<u>13</u> PSI	Recorder No. <u>13371</u>	Jars <u>X</u>
(D) Initial Shut-In Pressure	<u>14</u> PSI	(depth) <u>4739</u>	Safety Jt. <u>X</u>
(E) Second Initial Flow Pressure	<u>14</u> PSI	Recorder No. <u>13276</u>	Circ Sub <u>X</u> <u>N/C</u>
(F) Second Final Flow Pressure	<u>14</u> PSI	(depth) <u>4895</u>	Sampler _____
(G) Final Shut-In Pressure	<u>14</u> PSI	Initial Opening <u>30</u>	Straddle <u>X</u>
(Q) Final Hydrostatic Mud	<u>2343</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer <u>X</u>

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Approved By Wesley Hansen

Our Representative Rod Steinbrink

Final Flow	<u>30</u>
Final Shut-In	<u>30</u>
T-On Location	<u>1830</u>
T-Started	<u>1950</u>
T-Open	<u>2151</u>
T-Pulled	<u>2352</u>
T-Out	<u>0300</u>

Shale Packer	_____
Mileage	<u>1 way 32</u>
Sub Total:	_____
Std. By	_____
Other	<u>1704.40</u>
Total:	_____

CHART PAGE

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

Hartman Oil
Dumme #34
DST #3
13276
Strodle

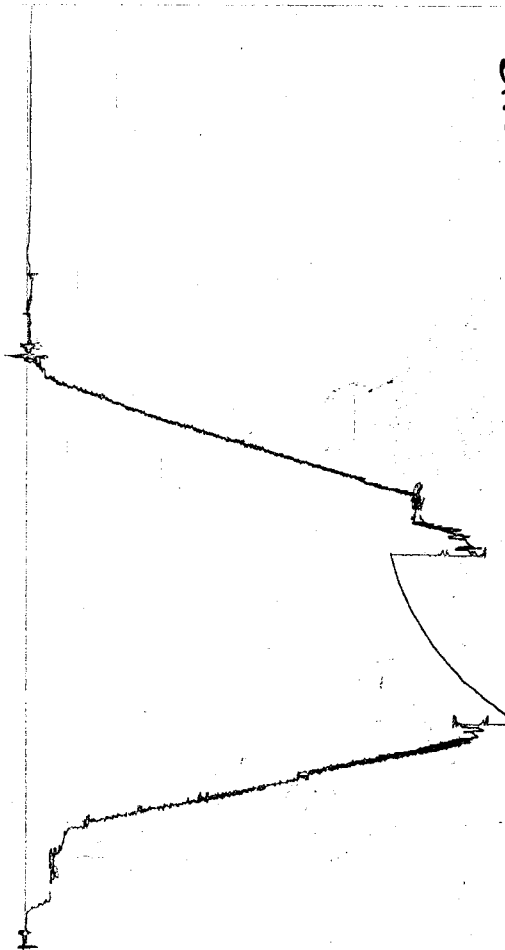


CHART PAGE

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

Hartman D.1
Damm #34
DST #3
13371

