

DRILL STEM TEST REPORT

Prepared For: **Ken White**

2400N. Woodlawn
Wichita, KS 67220

ATTN: Tim Lauer

13-30s-41w

Love 1

Start Date: 2004.10.07 @ 23:43:57

End Date: 2004.10.08 @ 06:12:36

Job Ticket #: 20526 DST #: 1

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

Ken White

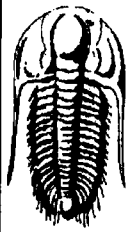
Love 1

13-30s-41w

DST # 1

Keys

2004.10.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Ken White
2400N. Woodlaw n
Wichita, KS 67220
ATTN: Tim Lauer

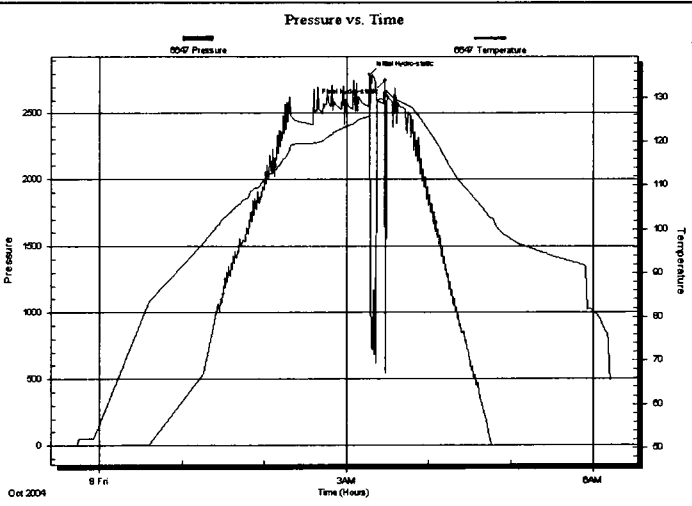
Love 1
13-30s-41w
Job Ticket: 20526 **DST#: 1**
Test Start: 2004.10.07 @ 23:43:57

GENERAL INFORMATION:

Formation: **Keys**
Deviated: No Whipstock: ft (KB)
Time Tool Opened:
Time Test Ended: 06:12:36
Interval: **5408.00 ft (KB) To 5418.00 ft (KB) (TVD)**
Total Depth: 5418.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Kevin
Unit No: 20
Reference Elevations: 3345.00 ft (KB)
3339.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 6647 Inside
Press@RunDepth: psig @ 5410.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.10.07 End Date: 2004.10.08 Last Calib.: 1899.12.30
Start Time: 23:44:07 End Time: 06:12:37 Time On Btm: 2004.10.08 @ 03:16:27
Time Off Btm: 2004.10.08 @ 03:27:47

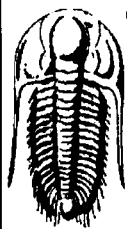
TEST COMMENT: misrun packer failure



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2793.49	125.79	Initial Hydro-static
12	2748.82	129.59	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ken White
2400N. Woodlaw n
Witchita, KS 67220
ATTN: Tim Lauer

Love 1
13-30s-41w
Job Ticket: 20526 **DST#: 1**
Test Start: 2004.10.07 @ 23:43:57

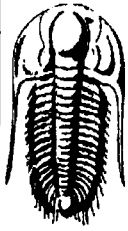
Tool Information

Drill Pipe:	Length: 5030.00 ft	Diameter: 3.80 inches	Volume: 70.56 bbl	Tool Weight:	1800.00 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: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 bbl	Weight to Pull Loose:	140000.0 lb
			<u>Total Volume: 72.33 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	86000.00 lb
Depth to Top Packer:	5408.00 ft			Final	96000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	37.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5382.00	
Shut In Tool	5.00			5387.00	
Hydraulic tool	5.00			5392.00	
Jars	5.00			5397.00	
Safety Joint	2.00			5399.00	
Packer	5.00			5404.00	27.00 Bottom Of Top Packer
Packer	4.00			5408.00	
Stubb	2.00			5410.00	
Recorder	0.00	6647	Inside	5410.00	
Perforations	5.00			5415.00	
Bullnose	3.00			5418.00	
Recorder	0.00	10993	Inside	5418.00	10.00 Bottom Packers & Anchor

Total Tool Length: 37.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Ken White
2400N. Woodlaw n
Witchita, KS 67220
ATTN: Tim Lauer

Love 1
13-30s-41w
Job Ticket: 20526 **DST#: 1**
Test Start: 2004.10.07 @ 23:43:57

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: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 650.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length: ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

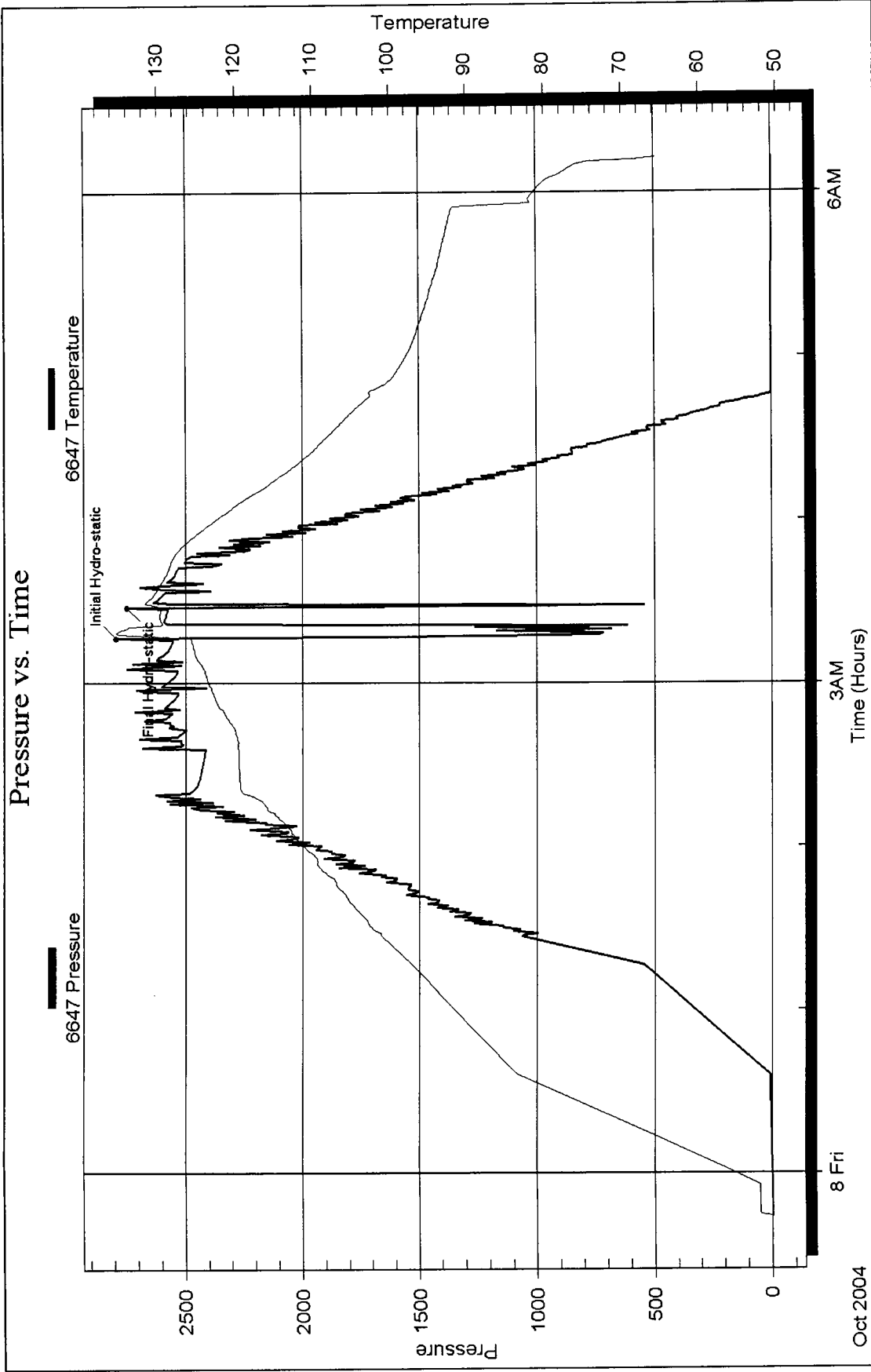
Serial #: 6647

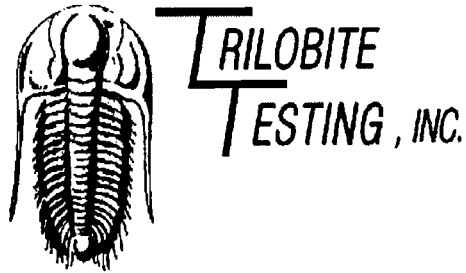
Inside

Ken White

13-30s-41w

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Ken White**

2400N. Woodlawn
Wichita, KS 67220

ATTN: Tim Lauer

13-30s-41w

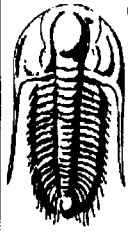
Love 1

Start Date: 2004.10.08 @ 08:17:59

End Date: 2004.10.08 @ 15:03:08

Job Ticket #: 20527 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

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Wichita, KS 67220
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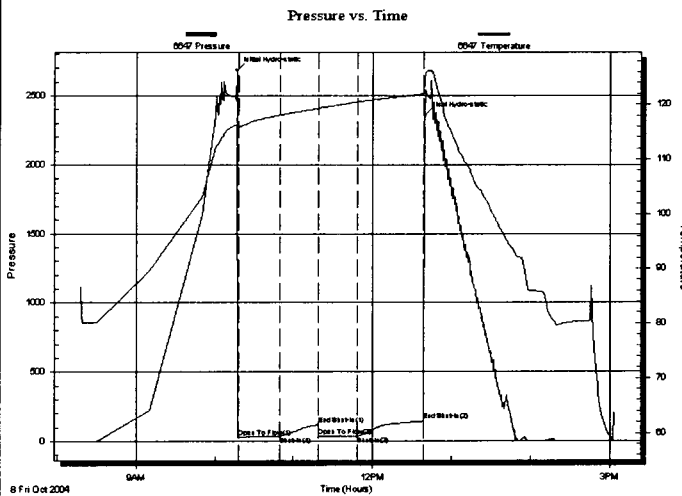
Love 1
13-30s-41w
Job Ticket: 20527 **DST#: 2**
Test Start: 2004.10.08 @ 08:17:59

GENERAL INFORMATION:

Formation: **Keys**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:17:59
Time Test Ended: 15:03:08
Interval: **5268.00 ft (KB) To 5418.00 ft (KB) (TVD)**
Total Depth: 5418.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Kevin
Unit No: 20
Reference Elevations: 3345.00 ft (KB)
3339.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 6647 **Inside**
Press@RunDepth: 36.40 psig @ 5269.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.10.08 End Date: 2004.10.08 Last Calib.: 1899.12.30
Start Time: 08:18:09 End Time: 15:03:09 Time On Btm: 2004.10.08 @ 10:16:29
Time Off Btm: 2004.10.08 @ 12:39:08

TEST COMMENT: IF- weak surface blow died in 5 min
IS- no blow back
FF- weak surface blow died in 2 min
FS- no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2682.86	116.35	Initial Hydro-static
2	27.96	116.03	Open To Flow (1)
33	34.29	118.04	Shut-In(1)
63	116.31	119.25	End Shut-In(1)
63	33.74	119.24	Open To Flow (2)
92	36.40	120.48	Shut-In(2)
142	144.22	121.93	End Shut-In(2)
143	2352.70	124.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ken White
2400N. Woodlaw n
Wichita, KS 67220
ATTN: Tim Lauer

Love 1
13-30s-41w
Job Ticket: 20527 **DST#: 2**
Test Start: 2004.10.08 @ 08:17:59

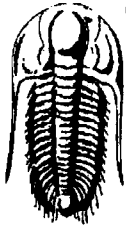
Tool Information

Drill Pipe:	Length: 4891.00 ft	Diameter: 3.80 inches	Volume: 68.61 bbl	Tool Weight: 1800.00 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: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 bbl	Weight to Pull Loose: 120000.0 lb
			<u>Total Volume: 70.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 90000.00 lb
Depth to Top Packer:	5268.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	150.00 ft			
Tool Length:	177.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5242.00	
Shut In Tool	5.00			5247.00	
Hydraulic tool	5.00			5252.00	
Jars	5.00			5257.00	
Safety Joint	2.00			5259.00	
Packer	5.00			5264.00	27.00 Bottom Of Top Packer
Packer	4.00			5268.00	
Stubb	1.00			5269.00	
Recorder	0.00	6647	Inside	5269.00	
Perforations	5.00			5274.00	
Drill Pipe	124.00			5398.00	
Perforations	17.00			5415.00	
Bullnose	3.00			5418.00	
Recorder	0.00	10993	Inside	5418.00	150.00 Bottom Packers & Anchor

Total Tool Length: 177.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Ken White
2400N. Woodlaw n
Wichita, KS 67220
ATTN: Tim Lauer

Love 1
13-30s-41w
Job Ticket: 20527 **DST#: 2**
Test Start: 2004.10.08 @ 08:17:59

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: 7.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 650.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100% 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:

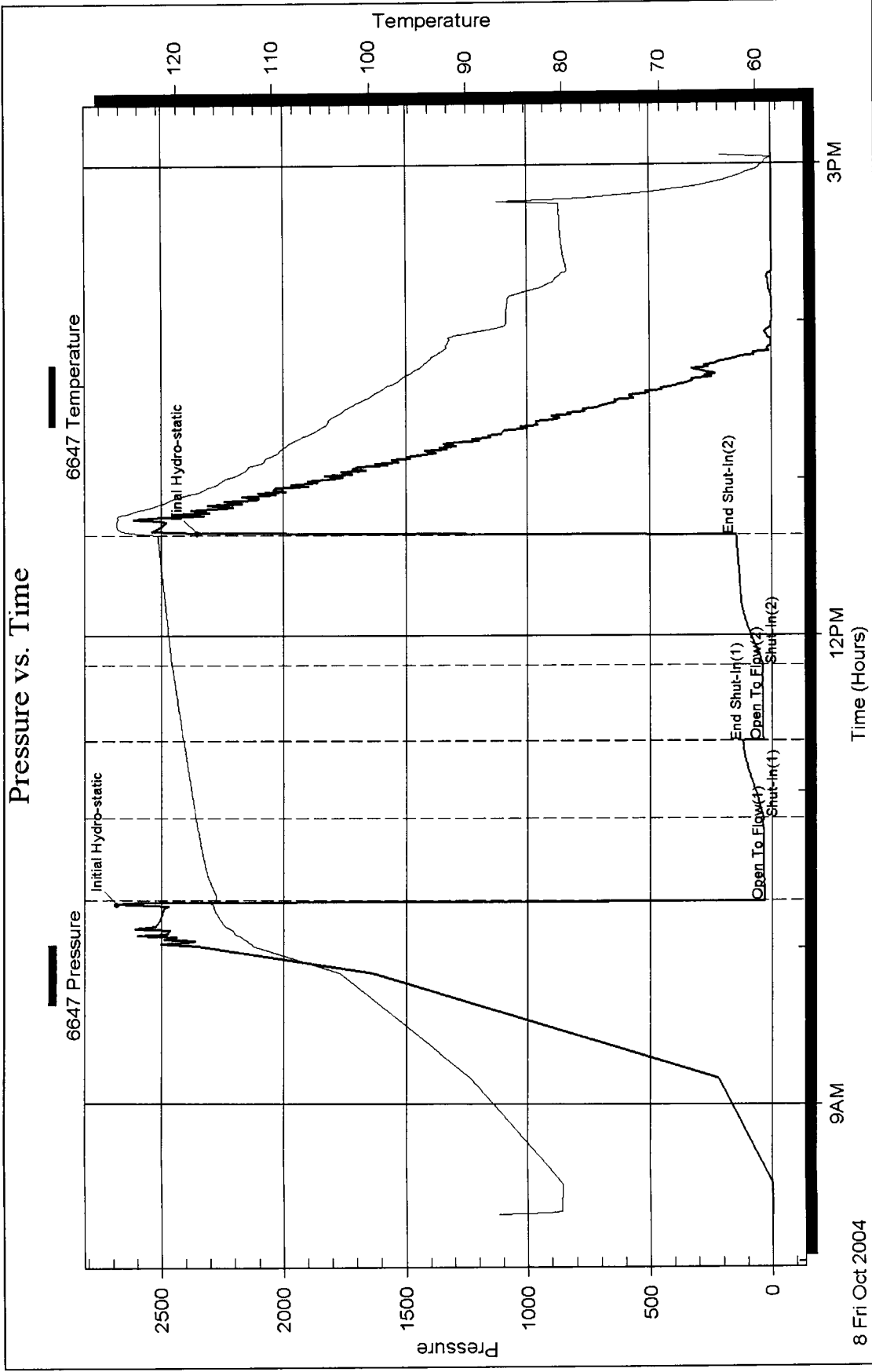
Serial #: 6647

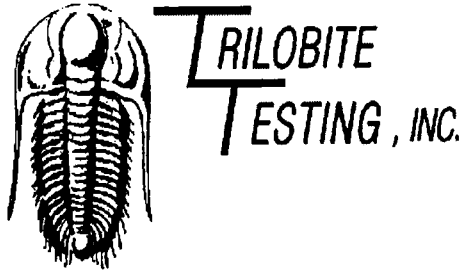
Inside

Ken White

13-30s-41w

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Ken White**

2400N. Woodlawn
Wichita, KS 67220

ATTN: Tim Lauer

13-30s-41w

Love 1

Start Date: 2004.10.09 @ 06:19:29

End Date: 2004.10.09 @ 15:20:18

Job Ticket #: 20528 DST #: 3

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

Ken White

Love 1

13-30s-41w

DST # 3

Lower Keys

2004.10.09



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DRILL STEM TEST REPORT

Ken White
2400N. Woodlaw n
Wichita, KS 67220
ATTN: Tim Lauer

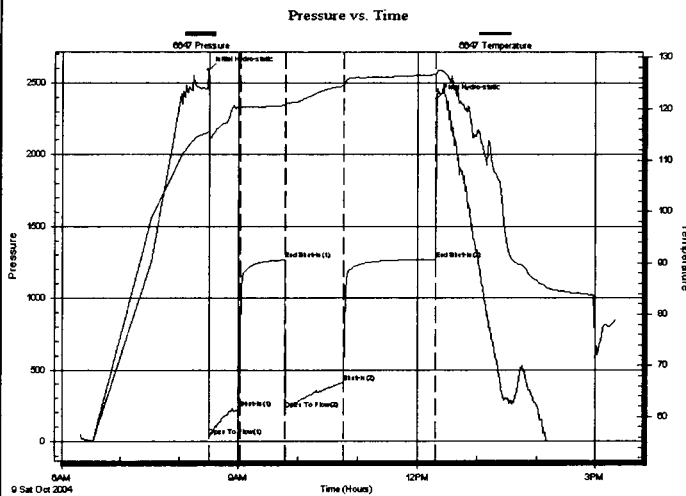
Love 1
13-30s-41w
Job Ticket: 20528 **DST#: 3**
Test Start: 2004.10.09 @ 06:19:29

GENERAL INFORMATION:

Formation: **Lower Keys**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:30:19
Time Test Ended: 15:20:18
Interval: **5268.00 ft (KB) To 5438.00 ft (KB) (TVD)**
Total Depth: 5438.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Kevin
Unit No: 20
Reference Elevations: 3345.00 ft (KB)
3339.00 ft (CF)
KB to GR/CF: 6.00 ft

Serial #: 6647 **Inside**
Press@RunDepth: 409.74 psig @ 5269.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.10.09 End Date: 2004.10.09 Last Calib.: 1899.12.30
Start Time: 06:19:39 End Time: 15:20:19 Time On Btm: 2004.10.09 @ 08:29:09
Time Off Btm: 2004.10.09 @ 12:18:59

TEST COMMENT: IF- bob in 19 min
IS- no blow back please e-mail to Tim Lauer
FF- built to 4"
FS- no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2586.53	115.29	Initial Hydro-static
2	35.43	114.48	Open To Flow (1)
33	230.33	120.09	Shut-In(1)
78	1267.58	120.63	End Shut-In(1)
79	224.85	120.80	Open To Flow (2)
137	409.74	124.50	Shut-In(2)
230	1271.49	126.58	End Shut-In(2)
230	2389.88	126.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
558.00	100% mud	4.55
279.00	10% gas 10% water 80% mud	3.91

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ken White
2400N. Woodlaw n
Wichita, KS 67220
ATTN: Tim Lauer

Love 1
13-30s-41w
Job Ticket: 20528 **DST#: 3**
Test Start: 2004.10.09 @ 06:19:29

Tool Information

Drill Pipe:	Length: 4891.00 ft	Diameter: 3.80 inches	Volume: 68.61 bbl	Tool Weight: 1800.00 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: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 bbl	Weight to Pull Loose: 100000.0 lb
		Total Volume: 70.38 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 89000.00 lb
Depth to Top Packer:	5268.00 ft			Final 91000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	170.00 ft			
Tool Length:	197.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5242.00	
Shut In Tool	5.00			5247.00	
Hydraulic tool	5.00			5252.00	
Jars	5.00			5257.00	
Safety Joint	2.00			5259.00	
Packer	5.00			5264.00	27.00 Bottom Of Top Packer
Packer	4.00			5268.00	
Stubb	1.00			5269.00	
Recorder	0.00	6647	Inside	5269.00	
Perforations	5.00			5274.00	
Drill Pipe	155.00			5429.00	
Perforations	6.00			5435.00	
Bullnose	3.00			5438.00	
Recorder	0.00	10993	Inside	5438.00	170.00 Bottom Packers & Anchor

Total Tool Length: 197.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ken White
2400N. Woodlaw n
Wichita, KS 67220
ATTN: Tim Lauer

Love 1
13-30s-41w
Job Ticket: 20528 **DST#: 3**
Test Start: 2004.10.09 @ 06:19:29

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:	15000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
558.00	100% mud	4.548
279.00	10% gas 10% w ater 80% mud	3.914

Total Length: 837.00 ft Total Volume: 8.462 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6647

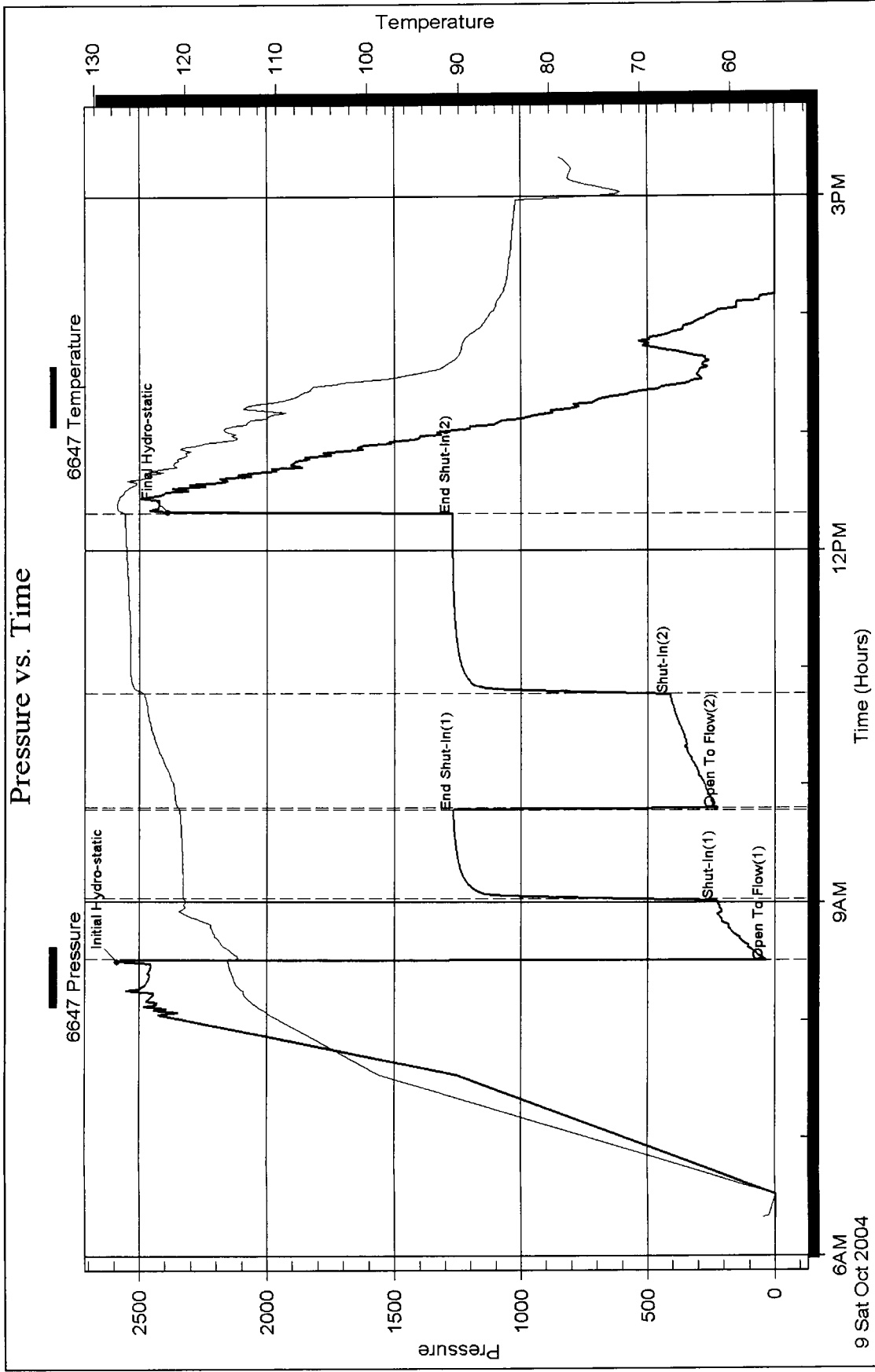
Inside

Ken White

13-30s-41w

DST Test Number: 3

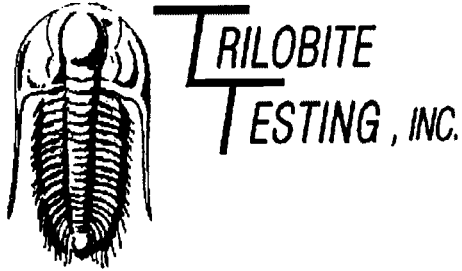
Pressure vs. Time



Triobite Testing, Inc

Ref. No: 20528

Printed: 2004.10.13 @ 10:54:05 Page 5



DRILL STEM TEST REPORT

Prepared For: **Ken White**

2400N. Woodlawn
Wichita, KS 67220

ATTN: Tim Lauer

13-30s-41w

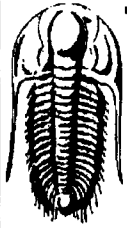
Love 1

Start Date: 2004.10.10 @ 20:26:45

End Date: 2004.10.11 @ 12:25:04

Job Ticket #: DST #: 4

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

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ATTN: Tim Lauer

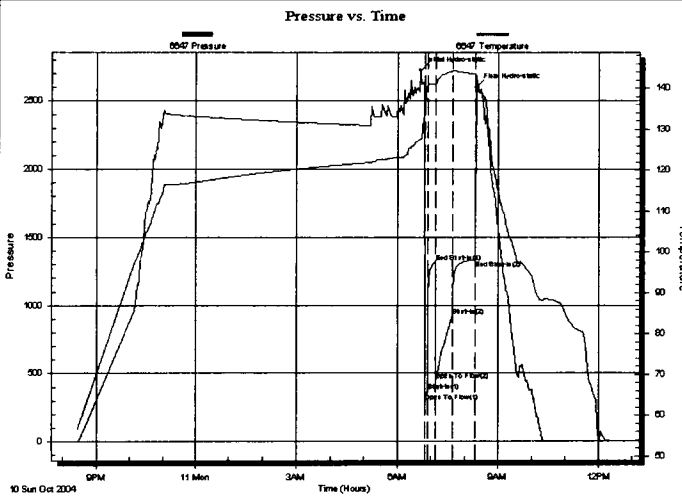
Love 1
13-30s-41w
Job Ticket: **DST#: 4**
Test Start: 2004.10.10 @ 20:26:45

GENERAL INFORMATION:

Formation: **lower keys**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 06:49:15
Time Test Ended: 12:25:04
Interval: **5450.00 ft (KB) To 5486.00 ft (KB) (TVD)**
Total Depth: **5560.00 ft (KB) (TVD)**
Hole Diameter: **7.78 inches** Hole Condition: **Good**
Test Type: **Conventional Straddle**
Tester: **Kevin**
Unit No: **20**
Reference Elevations: **3345.00 ft (KB)**
3339.00 ft (CF)
KB to GR/CF: **6.00 ft**

Serial #: 6647 **Inside**
Press@RunDepth: **919.96 psig @ 5456.00 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2004.10.10** End Date: **2004.10.11** Last Calib.: **1899.12.30**
Start Time: **20:26:55** End Time: **12:25:05** Time On Btm: **2004.10.11 @ 06:40:15**
Time Off Btm: **2004.10.11 @ 08:20:45**

TEST COMMENT: IF- bob asao
IS- no blow back
FF- bob 1 min
FS- blow back built to 1"



PRESSURE SUMMARY

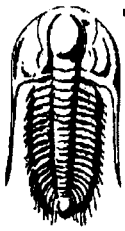
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2723.21	127.53	Initial Hydro-static
9	294.00	134.04	Open To Flow (1)
14	368.17	140.83	Shut-In (1)
28	1318.43	140.87	End Shut-In (1)
29	444.69	140.71	Open To Flow (2)
59	919.96	144.18	Shut-In (2)
100	1332.73	143.44	End Shut-In (2)
101	2600.83	143.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
233.00	100% mud	1.15
186.00	10% water 90% mud	1.45
270.00	5% gas 65% water 30% mud	3.79
1488.00	5% gas 95% water	20.87

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Ken White
2400N. Woodlaw n
Wichita, KS 67220
ATTN: Tim Lauer

Love 1
13-30s-41w
Job Ticket: **DST#: 4**
Test Start: 2004.10.10 @ 20:26:45

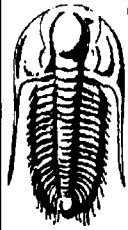
Tool Information

Drill Pipe:	Length: 5073.00 ft	Diameter: 3.80 inches	Volume: 71.16 bbl	Tool Weight: 1800.00 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: 360.00 ft	Diameter: 2.25 inches	Volume: 1.77 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 72.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 86000.00 lb
Depth to Top Packer:	5450.00 ft			Final 96000.00 lb
Depth to Bottom Packer:	5486.00 ft			
Interval between Packers:	36.00 ft			
Tool Length:	145.00 ft			
Number of Packers:	3	Diameter:	6.75 inches	

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5424.00	
Shut In Tool	5.00			5429.00	
Hydraulic tool	5.00			5434.00	
Jars	5.00			5439.00	
Safety Joint	2.00			5441.00	
Packer	5.00			5446.00	27.00 Bottom Of Top Packer
Packer	4.00			5450.00	
Stubb	1.00			5451.00	
Perforations	5.00			5456.00	
Recorder	0.00	6647	Inside	5456.00	
Perforations	29.00			5485.00	
Recorder	0.00	10993	Inside	5485.00	
Blank Off Sub	1.00			5486.00	36.00 Tool Interval
Packer	4.00			5490.00	
Stubb	1.00			5491.00	
Drill Pipe	62.00			5553.00	
Perforations	12.00			5565.00	
Recorder	0.00	13761	Outside	5565.00	
Bullnose	3.00			5568.00	82.00 Bottom Packers & Anchor

Total Tool Length: 145.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Ken White
2400N. Woodlaw n
Witchita, KS 67220
ATTN: Tim Lauer

Love 1
13-30s-41w
Job Ticket: **DST#: 4**
Test Start: 2004.10.10 @ 20:26:45

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: 34000 ppm	
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 945.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
233.00	100% mud	1.146
186.00	10% water 90% mud	1.452
270.00	5% gas 65% water 30% mud	3.787
1488.00	5% gas 95% water	20.873

Total Length: 2177.00 ft Total Volume: 27.258 bbl

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

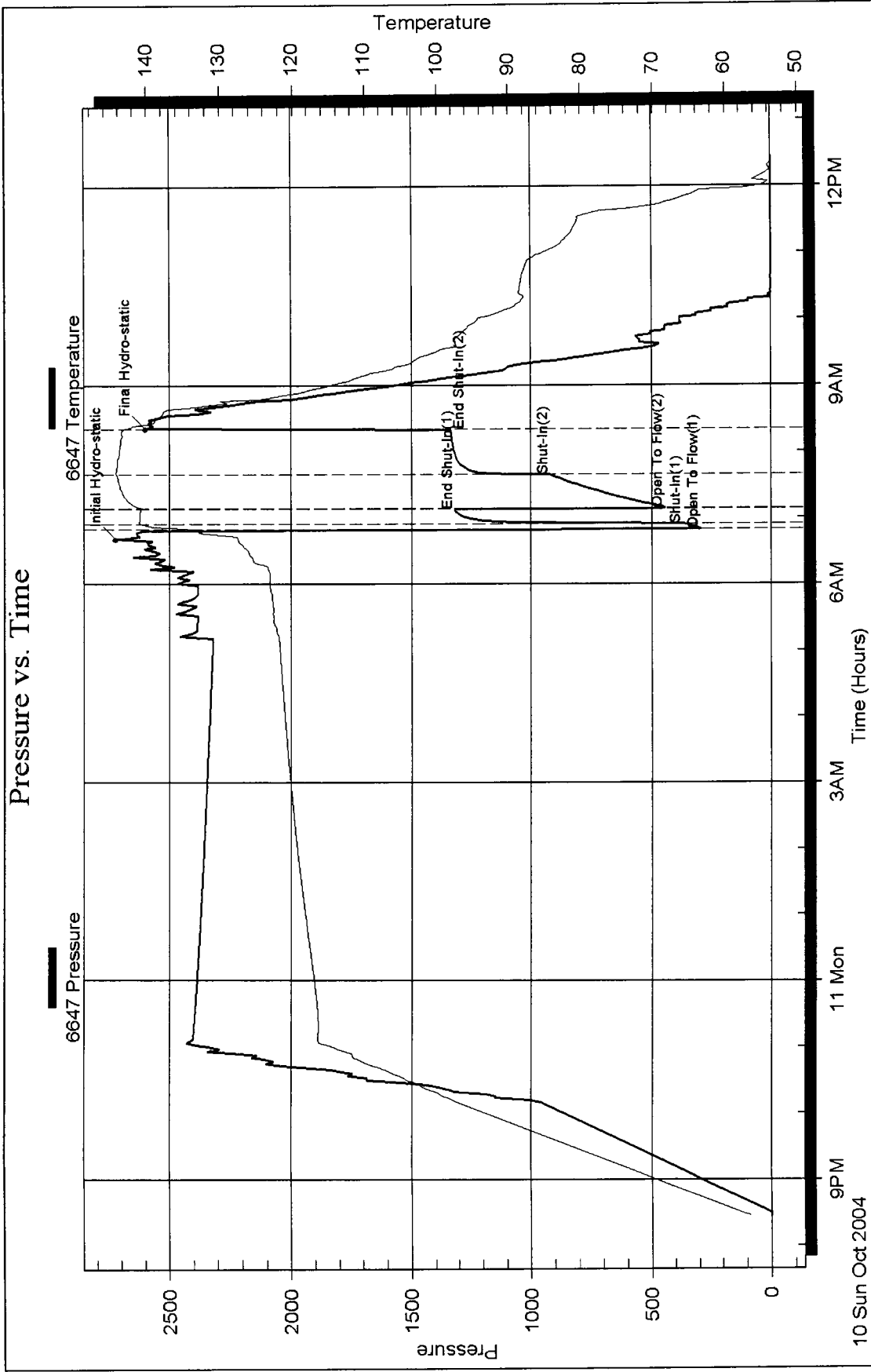
Serial #: 6647

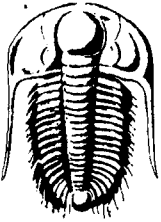
Inside Ken White

13-30s-41w

DST Test Number: 4

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10866

No 20526

Test Ticket

Well Name & No. Love #1 Test No. 1 Date 10/7/04
 Company Ken White Zone Tested Keys
 Address 2400 N. Woodlawn Ste 115 Wichita KS 67220 Elevation 3345 KB 3339 GL
 Co. Rep / Geo. Tim Lauer Cont. Martin #25 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 30 S Rge. 41 W Co. Stanton State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5408 - 5418 Initial Str Wt./Lbs. 86000 Unseated Str Wt./Lbs. 96000
 Anchor Length 10' Wt. Set Lbs. 30000 Wt. Pulled Loose/Lbs. 170000
 Top Packer Depth 5403 Tool Weight 1800
 Bottom Packer Depth 5408 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5418 Wt. Pipe Run 0 Drill Collar Run 420
 Mud Wt. 9.1 LCM 4 Vis. 55 WL 8.0 Drill Pipe Size 4.5 Ft. Run 4997
 Blow Description FF - mis run packer failure
FSI -
FF -
FSI -

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
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 _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT _____ °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 650 ppm System 750

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2793</u> PSI	<u>6647</u>	<u>400-700</u>
(B) First Initial Flow Pressure		PSI	<u>5418</u>	Elec. Rec. <u>150</u> <u>150</u>
(C) First Final Flow Pressure		PSI	<u>13362</u>	Jars <u>200</u>
(D) Initial Shut-In Pressure		PSI	<u>5418</u>	Safety Jt. <u>50</u>
(E) Second Initial Flow Pressure		PSI		Circ Sub _____
(F) Second Final Flow Pressure		PSI		Sampler _____
(G) Final Shut-In Pressure		PSI	<u>5</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>2748</u> PSI	Initial Shut-In _____	Ext. Packer _____

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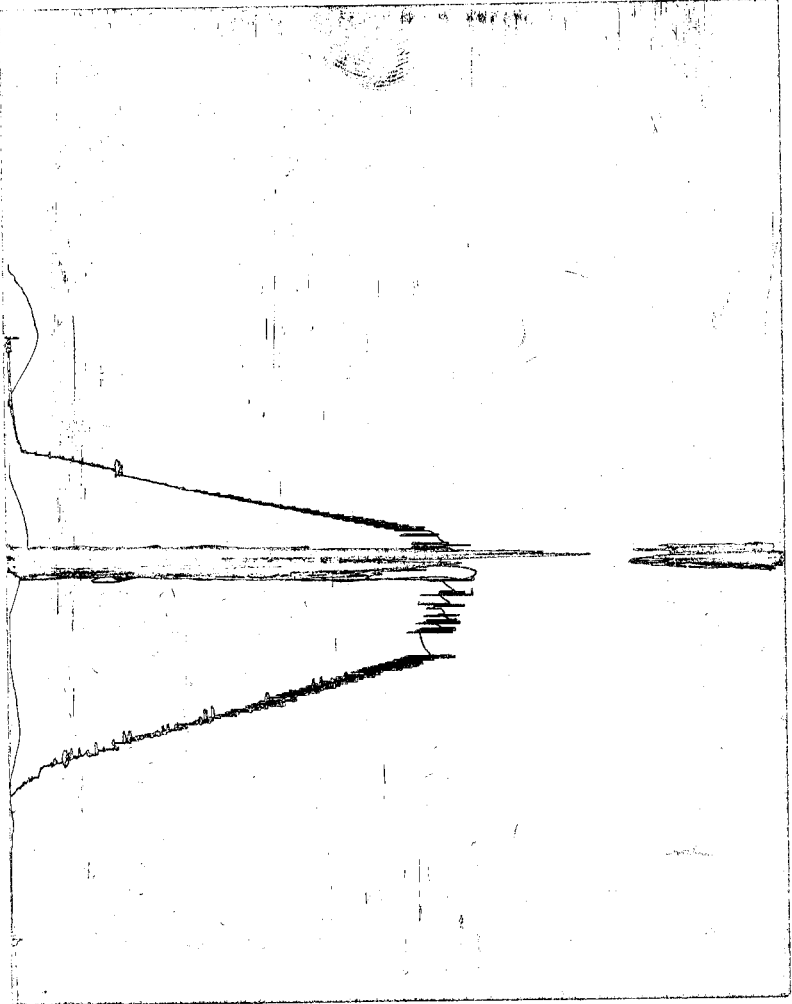
Approved By Ken White Tim Lauer
 Our Representative _____

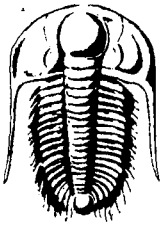
T-On Location	T-Started	T-Open	T-Pulled	T-Out
<u>2245</u>	<u>00:30</u>	<u>04:00</u>	<u>04:00</u>	<u>07:00</u>
				<u>8:15</u>

Mileage 88 RTM
 Sub Total: 1388 178
 Std. By 1224.80
 Total: 1224.80

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20527

Test Ticket

Well Name & No. LOVE #1 Test No. 2 Date 10/8/04
 Company Ken White Zone Tested KEYS
 Address 2400 N. Woodlawn St. Elliptical Wichita KS 67226 Elevation 3345 KB 3339 GL
 Co. Rep / Geo. Tim Lauer Cont. Muffin #25 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 30S Rge. 41W Co. STANTON State KS
 No. of Copies _____ Disbtribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5268 - 5418 Initial Str Wt./Lbs. 90,000 Unseated Str Wt./Lbs. 9,000
 Anchor Length 150' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 120,000
 Top Packer Depth 5263 Tool Weight 1,500
 Bottom Packer Depth 5268 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 5418 Wt. Pipe Run _____ Drill Collar Run 400
 Mud Wt. 9.1 LCM 4# Vis. 55 WL 8.0 Drill Pipe Size 4.5 Ft. Run 4891

Blow Description IF - weak surface blow died in 5 min
ISI - no blow back
FF - weak surface blow died in 2 min
FSI - no blow back

Recovery - Total Feet 10 GIP 0 Ft. in DC 10 Ft. in DP 0
 Rec. 10 Feet of _____ %gas _____ %oil _____ %water 100 %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 122 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 650 ppm System

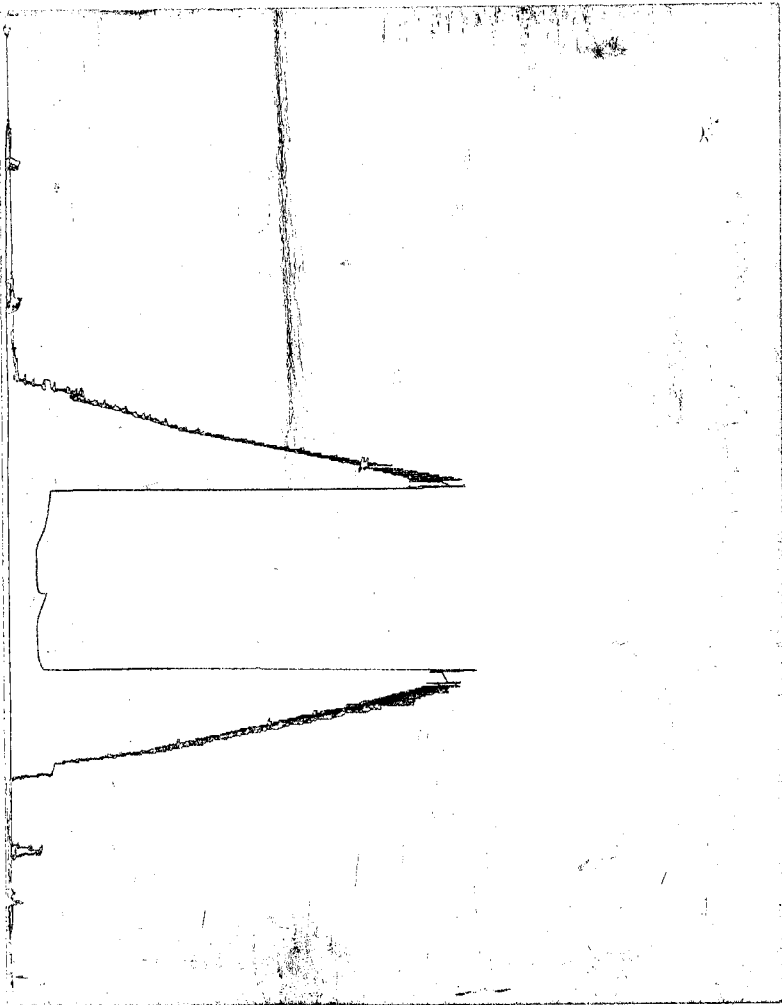
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2682</u> PSI	<u>6647</u>	<u>900</u> 1100
(B) First Initial Flow Pressure		<u>27</u> PSI	<u>5270</u>	Elec. Rec. <u>150</u>
(C) First Final Flow Pressure		<u>34</u> PSI	<u>13362</u>	Jars <u>200</u>
(D) Initial Shut-In Pressure		<u>116</u> PSI	<u>5418</u>	Safety Jt. <u>50</u>
(E) Second Initial Flow Pressure		<u>33</u> PSI		Circ Sub _____
(F) Second Final Flow Pressure		<u>36</u> PSI		Sampler _____
(G) Final Shut-In Pressure		<u>144</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>2352</u> PSI	Initial Shut-In <u>30</u>	Ext. Packer _____
			Final Flow <u>30</u>	Shale Packer <u>150</u>
			Final Shut-In <u>30</u> <u>45</u>	Mileage <u>88 RT 74.8</u>
			T-On Location <u>0 7:00</u>	Sub Total: <u>15.38</u> 1574.0
			T-Started <u>14:00</u> 14	Std. By <u>4 150</u> 120
			T-Open <u>16:05</u>	Other _____
			T-Pulled <u>18:05</u> 20	Total: <u>1718</u>
			T-Out <u>21:00</u>	<u>1694.80</u>

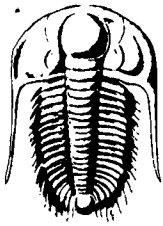
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Approved By Tim Lauer
 Our Representative _____

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20528

05/03

Test Ticket

Well Name & No. Loop # 1 Test No. 3 Date 10/9/24
 Company Ken White Zone Tested Lower Mays
 Address 2400 N Woodlawn Stells with bita 145 67220 Elevation 3745 KB 3334 GL
 Co. Rep / Geo. Tim Lawer Cont. Muffin 25# Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 30S Rge. 41W Co. STANTON State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5268 5438 Initial Str Wt./Lbs. 89,000 Unseated Str Wt./Lbs. 91,000
 Anchor Length 170 Wt. Set Lbs. 90,000 Wt. Pulled Loose/Lbs. 100,000
 Top Packer Depth 52603 Tool Weight 1800
 Bottom Packer Depth 5268 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5438 Wt. Pipe Run 0 Drill Collar Run 360
 Mud Wt. 9.1 LCM 5# Vis. 56 WL 7.6 Drill Pipe Size 4.5 Ft. Run 4891
 Blow Description IF - Built to bob in 19 min
ISI - no blow back
IF - Built to 4"
ESI - no blow back
 Recovery - Total Feet 837 GIP ~~370~~ Ft. in DC 360 Ft. in DP 477
 Rec. 559 Feet of _____ %gas _____ %oil _____ %water 100 %mud
 Rec. 279 Feet of _____ %gas 100 %oil 100 %water 80 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 126 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW ~~308~~ 308 °F Chlorides 15,000 ppm Recovery _____ Chlorides 800 ppm System

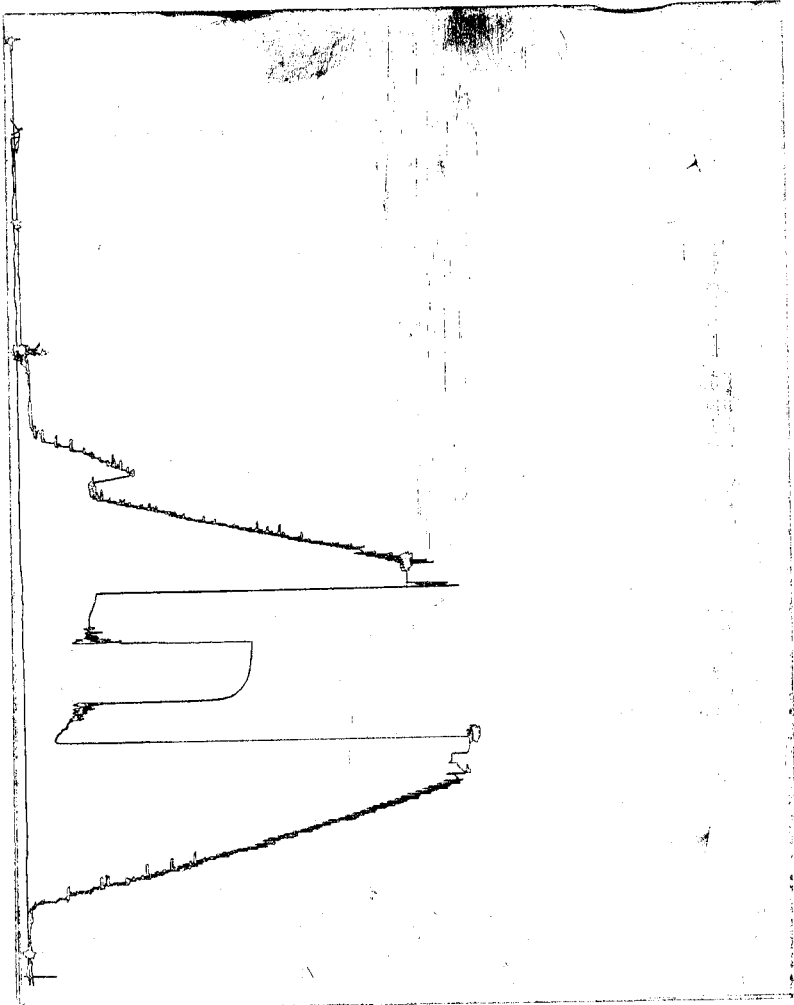
(A) Initial Hydrostatic Mud	AK-1	Alpine	2586	PSI	Recorder No.	6647	Test	1100
(B) First Initial Flow Pressure			35	PSI	(depth)	5270	Elec. Rec.	150
(C) First Final Flow Pressure			738	PSI	Recorder No.	13362	Jars	200
(D) Initial Shut-In Pressure			1266	PSI	(depth)	5438	Safety Jt.	50
(E) Second Initial Flow Pressure			324	PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure			409	PSI	(depth)		Sampler	
(G) Final Shut-In Pressure			1271	PSI	Initial Opening	30	Straddle	
(Q) Final Hydrostatic Mud			2389	PSI	Initial Shut-In	60	Ext. Packer	
					Final Flow	60	Shale Packer	150
					Final Shut-In	90	Mileage	88 RT 24.80
					T-On Location	8600	Sub Total:	1534 1574.80
					T-Started	06:30 10:15	Std. By	
					T-Open	09:28	Other	
					T-Pulled	13:15	Total:	1589 1574.80
					T-Out	16:15		

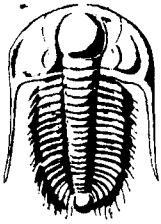
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Approved By Tim Lawer
 Our Representative Ken White

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 20529

05/03

Test Ticket

Well Name & No. LOVE # 1 Test No. 4 Date 10/10
 Company Ken White Zone Tested Lower Keys
 Address 2401 N Woodlawn Wichita KS 67220 Elevation 3345 KB 3339 GL
 Co. Rep / Geo. Tim Lawler Cont. Murfin 25# Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 13 Twp. 30S Rge. 41W Co. STANTON State KS
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 5450 - 5486 Initial Str Wt./Lbs. 86,000 Unseated Str Wt./Lbs. _____
 Anchor Length 36' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. _____
 Top Packer Depth 5445 Tool Weight 1,500
 Bottom Packer Depth 5486 Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth 5560 Wt. Pipe Run 0 Drill Collar Run 360
 Mud Wt. 9.1 LCM 3# Vis. 53 WL 8.0 Drill Pipe Size 4.5 Ft. Run _____

Blow Description FF - 100 b as a o
ISI - no blow back
FF - 500 min
FSI - ~~blow back~~ blow back built top 1"

Recovery - Total Feet 2177 GIP 2447 Ft. in DC 360 Ft. in DP 1817
 Rec. 233 Feet of _____ %gas _____ %oil _____ %water 100 %mud
 Rec. 186 Feet of _____ %gas _____ %oil 10 %water 90 %mud
 Rec. 270 Feet of 5 %gas _____ %oil 65 %water 70 %mud
 Rec. 1488 Feet of 5 %gas _____ %oil 95 %water _____ %mud
 Rec. 143 Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT 143 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW 251 @ 58 °F Chlorides 34,000 ppm Recovery _____ Chlorides 945 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>2723</u> PSI	<u>6647</u>	<u>1100</u>
(B) First Initial Flow Pressure		<u>204</u> PSI	(depth) <u>5452</u>	Elec. Rec. <u>150</u>
(C) First Final Flow Pressure		<u>968</u> PSI	Recorder No. <u>17362</u>	Jars <u>200</u>
(D) Initial Shut-In Pressure		<u>1318</u> PSI	(depth) <u>5560</u>	Safety Jt. <u>50</u>
(E) Second Initial Flow Pressure		<u>444</u> PSI	Recorder No. <u>13759</u>	Circ Sub _____
(F) Second Final Flow Pressure		<u>919</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>1372</u> PSI	Initial Opening <u>5</u>	Straddle <u>250</u>
(Q) Final Hydrostatic Mud		<u>2600</u> PSI	Initial Shut-In <u>15</u>	Ext. Packer <u>150</u>

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Approved By [Signature]
 Our Representative [Signature]

Final Flow 30 Shale Packer 150
 Final Shut-In 0 Mileage 88 RT 74.82
 T-On Location 1 hr 20:30 Sub Total: 1788 1974.8
 T-Started 5:21:30 Std. By 2 hrs 120/180
 T-Open 5:05:04 Other _____
 T-Pulled 10:30:15 Total: 2244.80
 T-Out 12:25

CHART PAGE

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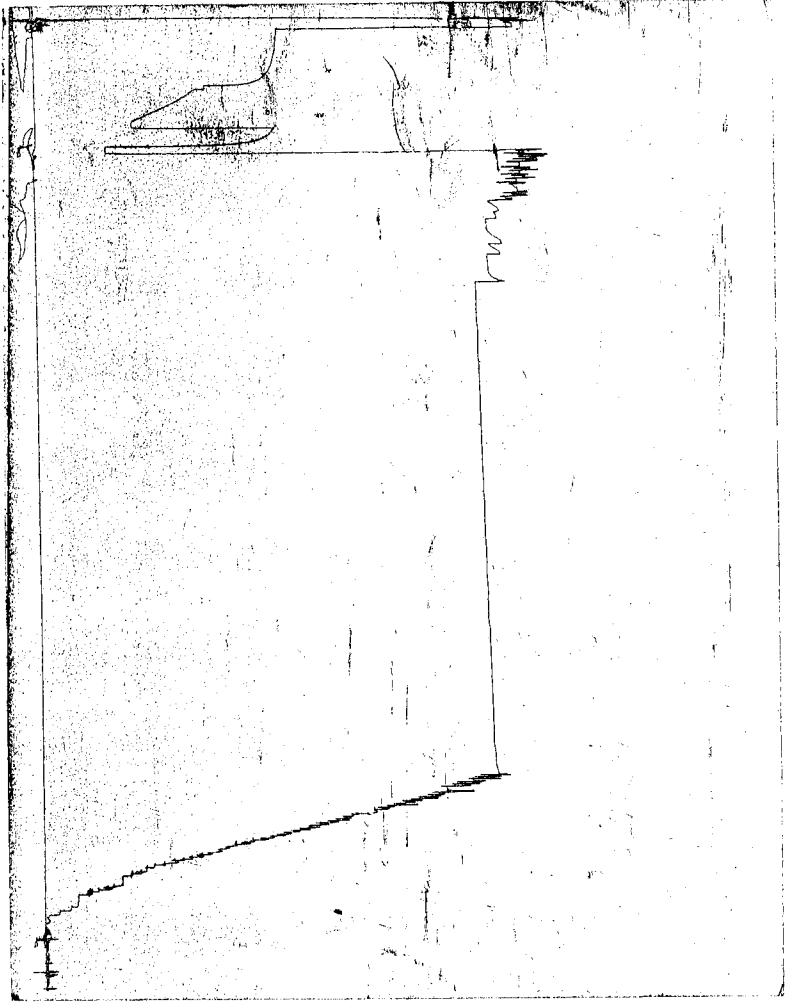


CHART PAGE

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