

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

P O Box 2757
Wichita KS 67201-2757

ATTN: Larry Jack

14 9S 19W Rooks KS

Ruder #11

Start Date: 2006.12.10 @ 19:49:02

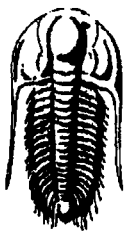
End Date: 2006.12.11 @ 05:21:27

Job Ticket #: 25253 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

Gore Oil Company
P O Box 2757
Wichita KS 67201-2757

ATTN: Larry Jack

Ruder #11
14 9S 19W Roofs KS
Job Ticket: 25253 **DST#: 1**
Test Start: 2006.12.10 @ 19:49:02

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 00:20:27
Time Test Ended: 05:21:27

Test Type: **Conventional Bottom Hole**
Tester: **Ray Schwager**
Unit No: **28**

Interval: **3118.00 ft (KB) To 3160.00 ft (KB) (TVD)**
Total Depth: **3160.00 ft (KB) (TVD)**
Hole Diameter: **7.85 inches** Hole Condition: **Poor**

Reference Elevations: **2066.00 ft (KB)**
2056.00 ft (CF)
KB to GR/CF: **10.00 ft**

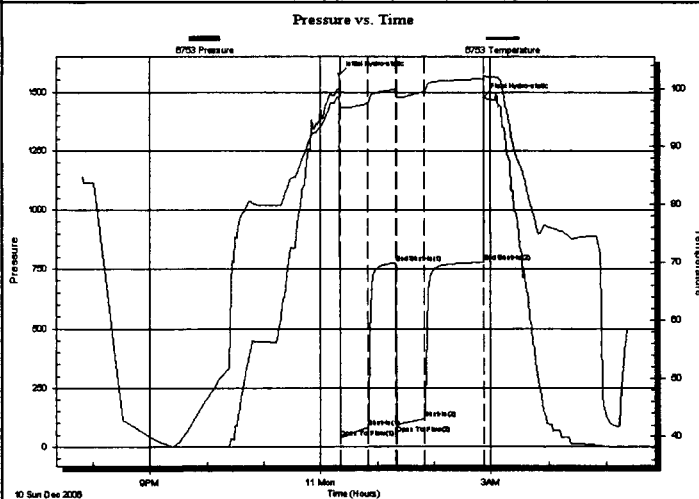
Serial #: 6753

Inside

Press@RunDepth: **117.82 psig @ 3119.01 ft (KB)**
Start Date: **2006.12.10** End Date: **2006.12.11**
Start Time: **19:49:02** End Time: **05:21:27**

Capacity: **7000.00 psig**
Last Calib.: **2006.12.11**
Time On Btm: **2006.12.11 @ 00:19:56**
Time Off Btm: **2006.12.11 @ 02:52:56**

TEST COMMENT: IFF Wk bl thru-out 1 3/4 " bl
FFP Wk bl thru-out 1/2" to 1 " bl
Times 30 30 30 60
Slip tool approx 6' to bottom



PRESSURE SUMMARY

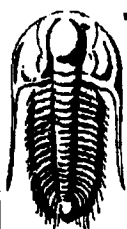
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.54	98.61	Initial Hydro-static
1	35.49	96.46	Open To Flow (1)
31	83.01	97.52	Shut-In(1)
60	777.21	99.85	End Shut-In(1)
61	90.80	98.44	Open To Flow (2)
91	117.82	99.50	Shut-In(2)
153	779.89	101.69	End Shut-In(2)
153	1477.56	102.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MV w/show of Oil	0.59
60.00	SOCMW 1%O 10%M 89%W	0.30
40.00	SOCM 5%O 95%M	0.43

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

Ruder #11

P O Box 2757
Wichita KS 67201-2757

14 9S 19W Rooks KS

Job Ticket: 25253

DST#: 1

ATTN: Larry Jack

Test Start: 2006.12.10 @ 19:49:02

Tool Information

Drill Pipe:	Length: 2937.00 ft	Diameter: 3.34 inches	Volume: 31.83 bbl	Tool Weight:	2200.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose:	65000.00 lb
		Total Volume:	32.72 bbl	Tool Chased	6.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3118.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.02 ft				
Tool Length:	65.02 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			3096.00	
Shut In Tool	5.00			3101.00	
Hydraulic tool	5.00			3106.00	
Safety Joint	2.00			3108.00	
Packer	5.00			3113.00	23.00 Bottom Of Top Packer
Packer	5.00			3118.00	
Stubb	1.00			3119.00	
Recorder	0.01	6753	Inside	3119.01	
Perforations	6.00			3125.01	
Recorder	0.01	13534	Outside	3125.02	
Blank Spacing	32.00			3157.02	
Bullnose	3.00			3160.02	42.02 Bottom Packers & Anchor

Total Tool Length: 65.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

Ruder #11

P O Box 2757
Wichita KS 67201-2757

14 9S 19W Rooks KS

Job Ticket: 25253

DST#: 1

ATTN: Larry Jack

Test Start: 2006.12.10 @ 19:49:02

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:

63000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.16 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MV w/show of Oil	0.590
60.00	SOCMV 1%O 10%M 89%W	0.295
40.00	SOCM 5%O 95%M	0.433

Total Length: 220.00 ft

Total Volume: 1.318 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .15 @ 56F

DST Test Number: 1

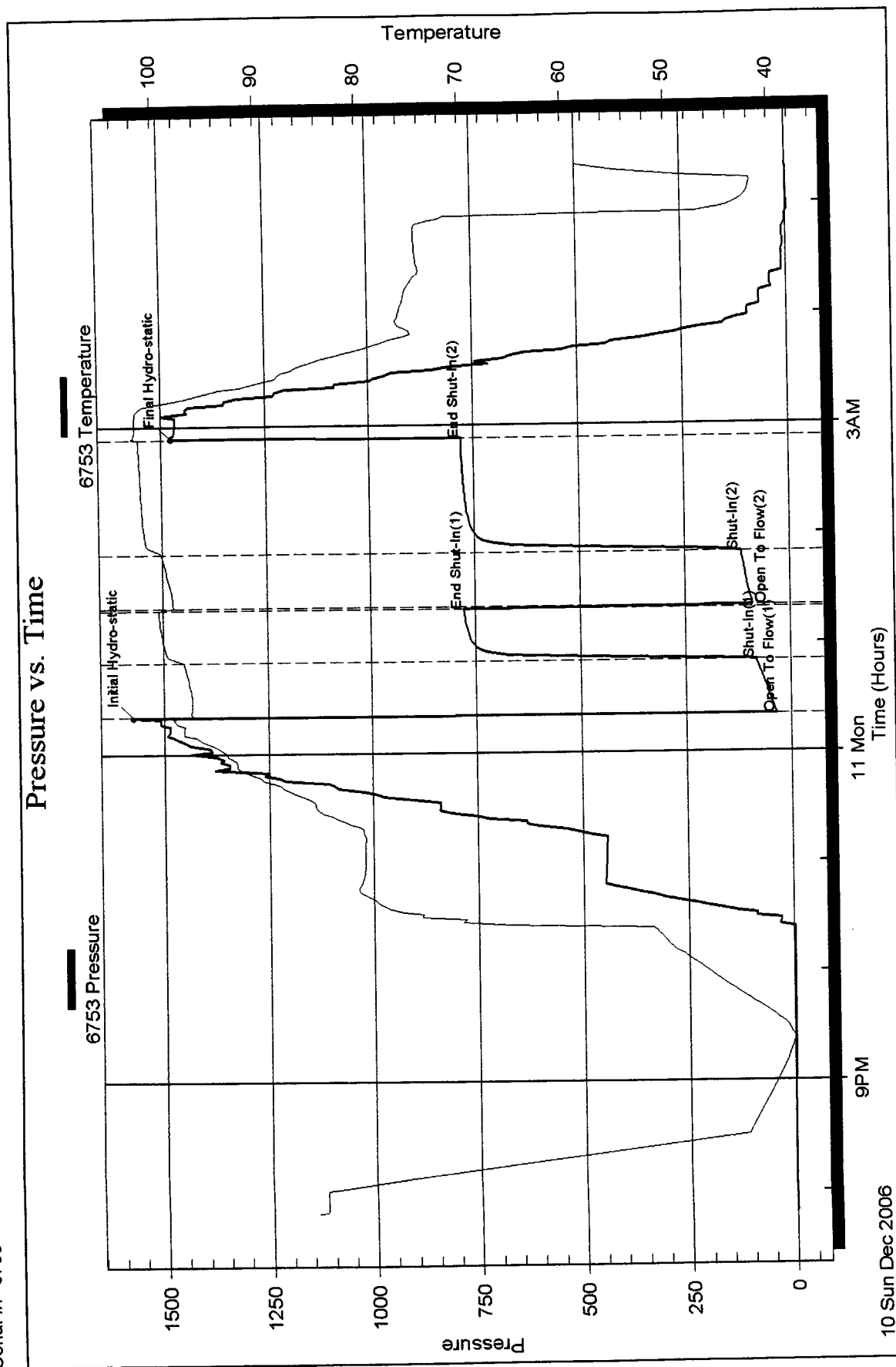
14 9S 19W Rocks KS

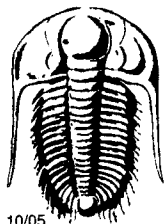
Gore Oil Company

Inside

Serial #: 6753

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9638

25253

Test Ticket

Well Name & No. Ruder #11 Test No. 1 Date 12-10-06
 Company Gore Oil Company Zone Tested Topeka
 Address P.O. Box 2757 Wichita, KS 67201-2757 Elevation 2066 KB 2056 GL
 Co. Rep / Geo. Don Ruder Rig Beredco rig 10
 Location: Sec. 14 Twp. 9^s Rge. 19^w Co. Rooks State Ks
 Comment: _____ Release date / time: _____

Interval Tested 3118 - 3160 Initial Str Wt./Lbs. 44000 Unseated Str Wt./Lbs. 45000
 Anchor Length 42 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 65000
 Top Packer Depth 3113 Tool Weight 2200
 Bottom Packer Depth 3118 Hole Size 7 7/8" - Rubber Size 6 3/4" -
 Total Depth 3160 Wt. Pipe Run - Drill Collar Run 180
 Mud Wt. 8.9 LCM 3# Vis. 55 WL 7.2 Drill Pipe Size 4" FH Ft. Run 2937
 Blow Description IFP - WEAK Blow thru-out 1 3/4" Blow
FFP - WEAK Blow thru-out 1/2" to 1" Blow
NO Blow on shut-in

Recovery - Total Feet 220 GIP - Ft. in DC 180 Ft. in DP 40
 Rec. 40 Feet of SOCM %gas 5 %oil - %water 95 %mud -
 Rec. 60 Feet of SOCMW %gas 1 %oil 89 %water 10 %mud -
 Rec. 120 Feet of Muddy WATER %gas - %oil 95 %water 5 %mud -
 Rec. - Feet of w/show fail %gas - %oil - %water - %mud -
 Rec. - Feet of - %gas - %oil - %water - %mud -
 BHT 102 °F Gravity - °API D @ - °F Corrected Gravity - °API
 RW .15 @ 56 °F Chlorides 63000 ppm Recovery - Chlorides 1700 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1511	PSI	Recorder No.	6753	Test	✓	1100
(B) First Initial Flow Pressure			35	PSI	(depth)	3119	Jars		
(C) First Final Flow Pressure			83	PSI	Recorder No.	13534	Safety Jt.	✓	75
(D) Initial Shut-In Pressure			777	PSI	(depth)	3125	Circ Sub		
(E) Second Initial Flow Pressure			90	PSI	Recorder No.	-	Sampler		
(F) Second Final Flow Pressure			117	PSI	(depth)	-	Straddle		
(G) Final Shut-In Pressure			779	PSI	Initial Opening	30	Ext. Packer		
(Q) Final Hydrostatic Mud			1468	PSI	Initial Shut-In	30	Shale Packer		
					Final Flow	30	Ruined Packer		
					Final Shut-In	60	Mileage	✓ 80 RT	100
					T-On Location	1630	Sub Total:		
					T-Started	1948	Std. By	4.75	475
					T-Open	0020	Acc. Chg:		
					T-Pulled	0250	Other:		
					T-Out	0521	Total:		\$1750

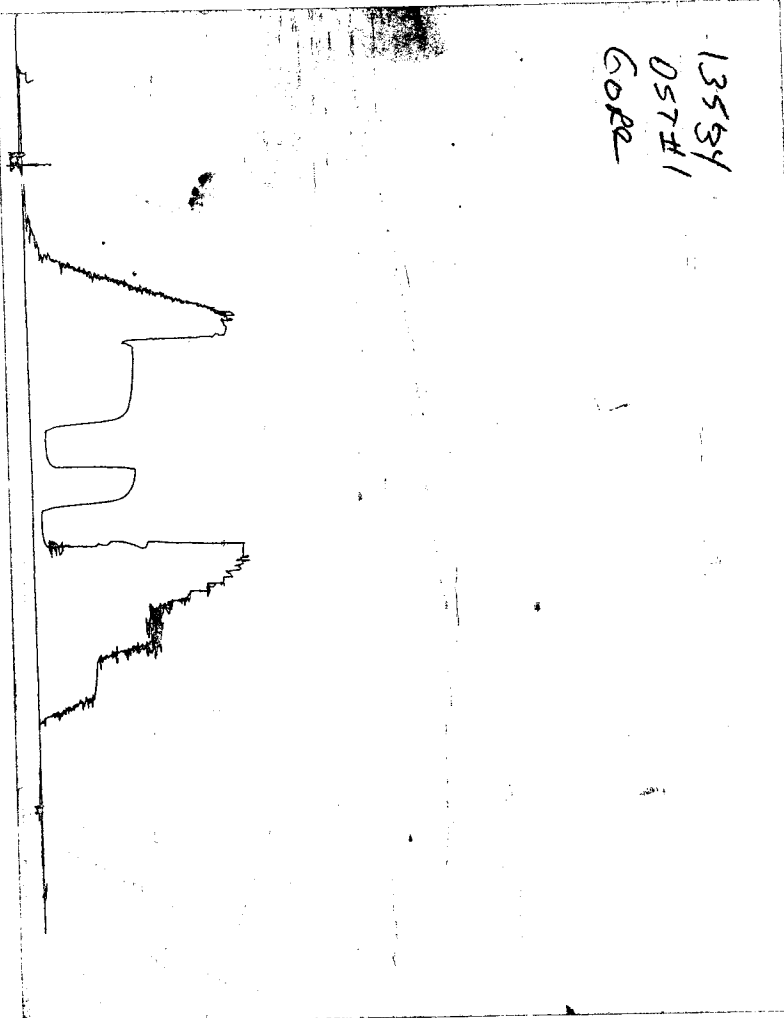
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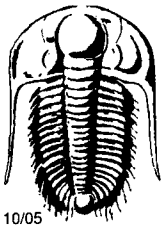
Approved By Don Ruder
 Our Representative RAY Schwager Thank you

CHART PAGE

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

13554
057#1
6082





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25254

Test Ticket

Well Name & No.	<u>Ruder #11</u>	Test No.	<u>2</u>	Date	<u>12-12-06</u>
Company	<u>Gore Oil Company</u>	Zone Tested	<u>Arbuckle</u>		
Address	<u>P.O. Box 2757 Wichita, KS 67201-2757</u>	Elevation	<u>2066</u>	KB	<u>2056</u> GL
Co. Rep / Geo.	<u>Don Rider</u>	Rig	<u>Beredco rig 10</u>		
Location: Sec.	<u>14</u>	Twp.	<u>9^s</u>	Rge.	<u>19^w</u>
		Co.	<u>Rooko</u>	State	<u>Ks</u>
Comment:	Release date / time:				

Interval Tested	<u>3437-3481</u>	Initial Str Wt./Lbs.	<u>46000</u>	Unseated Str Wt./Lbs.	<u>53000</u>
Anchor Length	<u>44</u>	Wt. Set Lbs.	<u>25000</u>	Wt. Pulled Loose/Lbs.	<u>60000</u>
Top Packer Depth	<u>3432</u>	Tool Weight	<u>2200</u>		
Bottom Packer Depth	<u>3437</u>	Hole Size 7 7/8"	<u>-</u>	Rubber Size 6 3/4"	<u>-</u>
Total Depth	<u>3481</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>180</u>
Mud Wt. <u>9.1</u> LCM <u>8#</u> Vis. <u>53</u> WL <u>8.4</u>		Drill Pipe Size	<u>4" FH</u>	Ft. Run	<u>3240</u>
Blow Description	<u>IFP - STRONG BLOW THRU-OUT</u> <u>FFP - STRONG BLOW IN 5 MIN</u> <u>NO BLOW ON SHUT-IN</u>				

Recovery - Total Feet	<u>1620</u>	GIP	<u>180</u>	Ft. in DC	<u>180</u>	Ft. in DP	<u>1440</u>
Rec. <u>240</u>	Feet of <u>GMO</u>	<u>5</u> %gas	<u>86</u> %oil	<u>15</u> %water	<u>15</u> %mud		
Rec. <u>840</u>	Feet of <u>CO</u>	%gas	%oil	%water	%mud		
Rec. <u>180</u>	Feet of <u>DCW</u>	%gas <u>3</u>	%oil <u>97</u>	%water	%mud		
Rec. <u>360</u>	Feet of <u>WATER</u>	%gas	%oil	%water	%mud		
Rec.	Feet of	%gas	%oil	%water	%mud		
BHT <u>111</u>	*F Gravity <u>18</u>	*API D @ <u>60</u>	*F Corrected Gravity <u>18</u>	*API			
RW <u>.24</u>	@ <u>62</u> *F	Chlorides <u>32000</u> ppm	Recovery	Chlorides <u>1900</u> ppm	System		

(A) Initial Hydrostatic Mud	<u>1647</u> PSI	Recorder No.	<u>6753</u>	Test	<u>1100</u>
(B) First Initial Flow Pressure	<u>472</u> PSI	(depth)	<u>3438</u>	Jars	
(C) First Final Flow Pressure	<u>620</u> PSI	Recorder No.	<u>13534</u>	Safety Jt.	<u>75</u>
(D) Initial Shut-In Pressure	<u>1039</u> PSI	(depth)	<u>3446</u>	Circ Sub	
(E) Second Initial Flow Pressure	<u>636</u> PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure	<u>727</u> PSI	(depth)		Straddle	
(G) Final Shut-In Pressure	<u>1039</u> PSI	Initial Opening	<u>30</u>	Ext. Packer	
(Q) Final Hydrostatic Mud	<u>1627</u> PSI	Initial Shut-In	<u>30</u>	Shale Packer	
		Final Flow	<u>30</u>	Ruined Packer	
		Final Shut-In	<u>60</u>	Mileage	<u>80 RT 100</u>
		T-On Location	<u>0630</u>	Sub Total:	
		T-Started	<u>0925</u>	Std. By	<u>3hr 300</u>
		T-Open	<u>1115</u>	Acc. Chg:	
		T-Pulled	<u>1345</u>	Other:	<u>\$1575</u>
		T-Out	<u>1728</u>	Total:	

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Approved By Don Rider

Our Representative Ray Schwager Thank you

CHART PAGE

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

13534
057#2
GER

