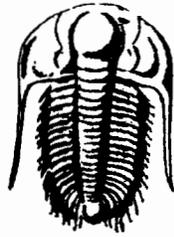


15-185-23172



**TRILOBITE
TESTING, INC.**

CONFIDENTIAL

Rel

DRILL STEM TEST REPORT

Prepared for

Rama Operating Co Inc
PO Box 159
Stafford, KS 67578

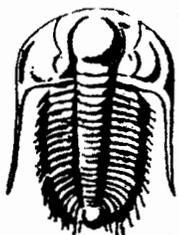
Staton Farms #1-15
15-25s-12w
Stafford co Kansas

**Fi
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Release

**From
Confidential**

Trilobite Testing, Inc
PO Box 362 - Hays, Kansas - 67601
ph: 785-625-4778 fax: 785-625-5620
e-mail: trilobite@eaglecom.net



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT
 Rama Operating Co Inc
 PO Box 159
 Stafford, KS 67578

Well name#:	Staton Farms 1-15	Date:	12/13/2002
Location#:	15-25s-12w	Ticket #:	16534
	Stafford co Kansas	DST#	1

General Informaion:

Formation:		Test Type:	Conventional	BHT:	90
Interval:	1808-1857	Tester:	Gary Pevoteaux	OIL API:	
Total Depth:	1857	Elevation:	1877 ft(KB)	H2O Salinity:	135000
Hole Diameter:	7 7/8"		1868 ft(CF)		
Start Data:	12/13/2002	Tool Weight:	2100	Mud Type:	Chemical
Start Time:	18:30:00	Weight Set on Packers:	20000	Mud Weight:	9.5
Time tool opened:	19:50:00	Weight to Pull Loose:	64000	Viscosity:	30
Time Off Btm:	21:35:00	Initial String Weight:	44000	Water Loss:	
End Date:	12/13/02	Final String Weight:	44000	Resistivity:	
End Time:	22:55:00	Drill Pipe Length:	1554	Salinity:	135000
		Drill Collar Length:	240		

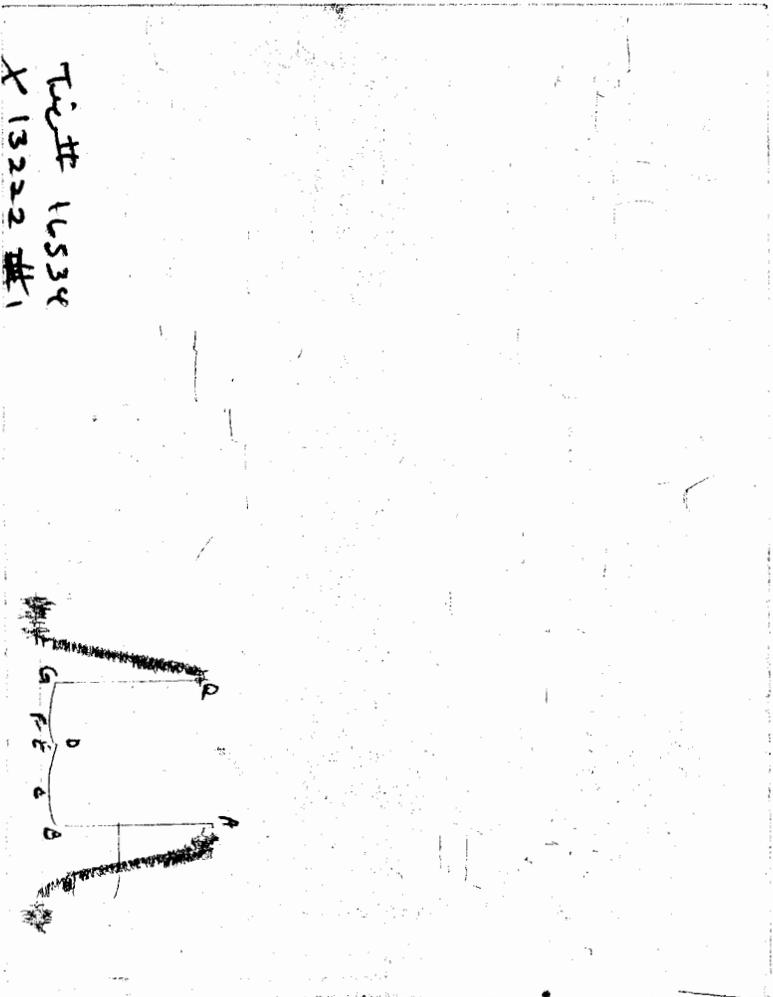
Test Comment:	
IF:Weak blow 1-11/2"	
ISI:No blow	
FF:Weak blow 2-21/2"	
FSI:No blow	
Slid tool 3-4' to bottom	
Recovery	
Length(ft):	25 Watery Mud 20%water 80%mud

Gas Volume Report

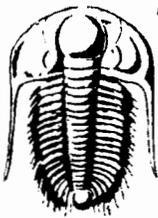
Recorder #:	13222	O Min:	Ins. Of water PSIG	Orifice size	MCF/D
Pressure Summary:	Time:(min)				
Initial Hydro-static:	946				
Open to Flow (1):	70 30				
Shut-in (1):	70 30				
End Shut-in (1):	117				
Open to Flow (2):	75 15				
Shut-in (2):	75 30				
End Shut-in (2):	110				
Final Hydro-static:	910				

CHART PAGE

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



Tight 16534
X 13222 #1



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16534

Test Ticket

Well Name & No. Station Farms #145 Test No. 1 Date 12-13-2002
 Company Rama Operating Co. Inc. Zone Tested 1808 - 1857'
 Address P.O. Box 159, Stafford Ks. 67578 Elevation 1877 KB 1868 GL
 Co. Rep / Geo. Wayne Lebeck Cont. Merling Ind. #1 Est. Ft. of Pay Por. %
 Location: Sec. 15 Twp. 25S Rge. 12W Co. Stafford State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 1808 - 1857' Initial Str Wt./Lbs. 44,000 Unseated Str Wt./Lbs. 44,000
 Anchor Length 49' Wt. Set Lbs. 24,000 Wt. Pulled Loose/Lbs. 64,000
 Top Packer Depth 1803' Tool Weight 2100 #
 Bottom Packer Depth 1808' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 1857' Wt. Pipe Run None Drill Collar Run 240'
 Mud Wt. 9.5 LCM Tr. Vis. 30 WL N.C. Drill Pipe Size 4 1/2" x 4" Ft. Run 1554'
 Blow Description IF; weak below. 1-1 1/2". IS: No blow.

FF: weak blow. 2-2 1/2" FSI: No blow.

COMMENT: Mud tool 3-4 ft. to bottom.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>25</u>	<u>trace</u>	<u>25</u>	<u>0</u>
Rec. <u>25</u> Feet Of <u>Watery Mud</u>	%gas	%oil	<u>20</u> %water <u>80</u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud
Rec. <u> </u> Feet Of <u> </u>	%gas	%oil	%water %mud

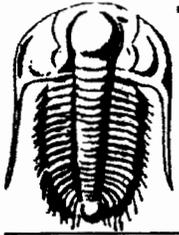
BHT 90 °F Gravity N/A °API D@ °F Corrected Gravity N/A °API
 RW N.C. @ °F Chlorides 135,000 ppm Recovery Chlorides 135,000 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>916</u>		<u>10290</u>	<u>1720</u>
(B) First Initial Flow Pressure	<u>32</u>		(depth) <u>1849'</u>	T-Started <u>1830</u>
(C) First Final Flow Pressure	<u>28</u>		PSI Recorder No. <u>13222</u>	T-Open <u>1950</u>
(D) Initial Shut-In Pressure	<u>78</u>		(depth) <u>1854'</u>	T-Pulled <u>2135</u>
(E) Second Initial Flow Pressure	<u>32</u>		PSI Recorder No. <u> </u>	T-Out <u>2255</u>
(F) Second Final Flow Pressure	<u>32</u>		(depth) <u> </u>	T-Off Location <u>2330</u>
(G) Final Shut-in Pressure	<u>74</u>		PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>700⁰⁰</u>
(Q) Final Hydrostatic Mud	<u>866</u>		PSI Initial Shut-in <u>30</u>	Jars <input checked="" type="checkbox"/> <u>700⁰⁰</u>
			Final Flow <u>15</u>	Safety Joint <input checked="" type="checkbox"/> <u>50⁰⁰</u>
			Final Shut-in <u>30</u>	Straddle <u> </u>
			<u> </u>	Circ. Sub <u> </u>
			<u> </u>	Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. <u> </u>
				Mileage <input checked="" type="checkbox"/> <u>25⁰⁰</u>
				Other <u> </u>
				TOTAL PRICE \$ <input checked="" type="checkbox"/> <u>975⁰⁰</u>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE. OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Cory P. [Signature]
Our Representative Cory P. [Signature]

Mileage 25⁰⁰
Other
TOTAL PRICE \$ 975⁰⁰



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT
 Rama Operating Co Inc
 PO Box 159
 Stafford, KS 67578

Well name#:	Staton Farms 1-15	Date:	12/15/2002
Location#:	15-25s-12w Stafford co Kansas	Ticket #:	16535
		DST#	2

General Informaion:

Formation:	Howard	Test Type:	Conventional	BHT:	99
Interval:	2960-3024	Tester:	Gary Pevoteaux	OIL API:	
Total Depth:	3024	Elevation:	1877 ft(KB)	H2O Salinity:	3000
Hole Diameter:	7 7/8"		1868 ft(CF)		

Start Data:	12/15/2002	Tool Weight:	2100	Mud Type:	Chemical
Start Time:	22:30:00	Weight Set on Packers:	20000	Mud Weight:	87
Time tool opened:	23:59:00	Weight to Pull Loose:	70000	Viscosity:	47
Time Off Btm:	2:00:00	Initial String Weight:	57000	Water Loss:	12
End Date:	12/16/02	Final String Weight:	57000	Resistivity;	
End Time:	3:45:00	Drill Pipe Length:	2726	Salinity:	4900
		Drill Collar Length:	240		

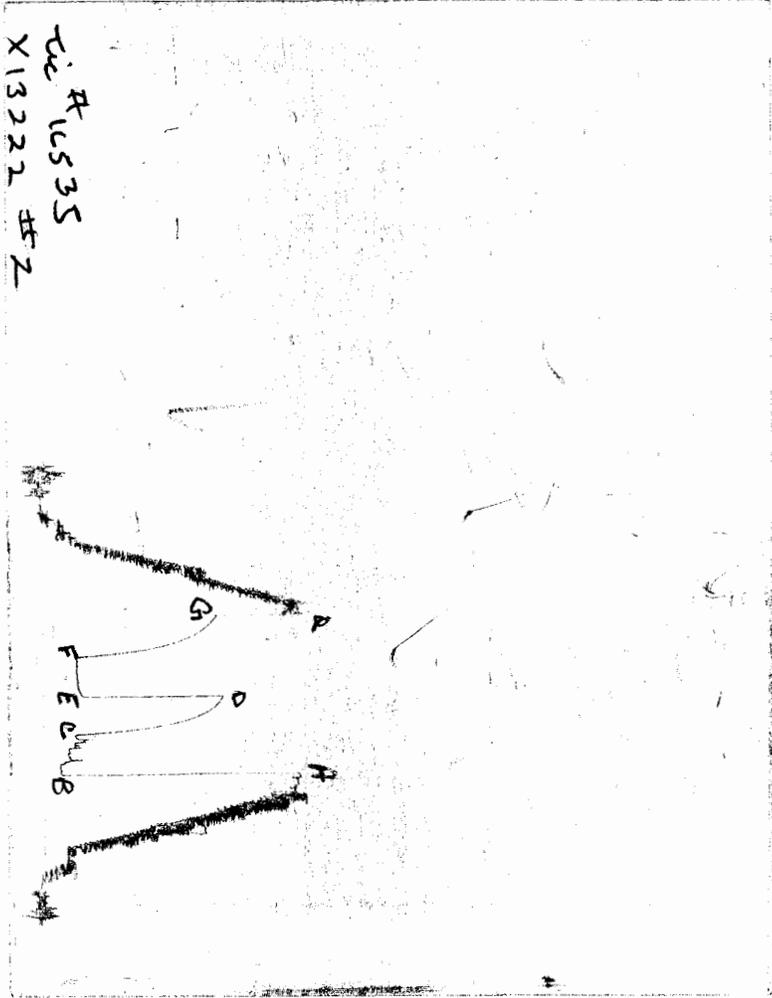
Test Comment:	
IF:Weak to fair blow - slow increase to 7"	
ISI:No blow	
FF:Weak to fair blow slow increase to 6"	
FSI: No blow	
Recovery	
Length(ft):	330 Gas cut watery mud 20%gas 20%water 60%mud

Gas Volume Report

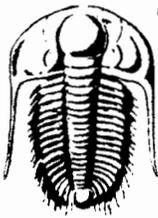
Recorder #:	13222	O	Min:	Ins. Of water PSIG	Orifice size	MCF/D
Pressure Summary:			Time:(min)			
Initial Hydro-static:	1388					
Open to Flow (1):	111		30			
Shut-in (1):	189		30			
End Shut-in (1):	985					
Open to Flow (2):	228		30			
Shut-in (2):	204		30			
End Shut-in (2):	949					
Final Hydro-static:	1371					

CHART PAGE

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



tie # 16535
X13222 #2



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16535

Test Ticket

Well Name & No. Staton Farms #7-15 Test No. 2 Date 12-15-2002
 Company Rama Operating Co. Inc. Zone Tested Howard
 Address P.O. Box 159, Stafford, Mo. 62578 Elevation 1877 KB 1868 GL
 Co. Rep / Geo. Wayne Lebrack Cont. Sterling Dalg. #1 Est. Ft. of Pay Por. %
 Location: Sec. 15 Twp. 25S Rge. 12^W Co. Stafford State Mo.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 2960 - 3024' Initial Str Wt./Lbs. 57,000 Unseated Str Wt./Lbs. 57,000
 Anchor Length 44' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 2955' Tool Weight 2100#
 Bottom Packer Depth 2960' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 3024' Wt. Pipe Run None Drill Collar Run 240'
 Mud Wt. 87 LCM tr Vis. 47 WL 12.0cc. Drill Pipe Size 4 1/2" XH. Ft. Run 2726'
 Blow Description IF: Weak to fair blow. Slow increase to 7".
ISI: No blow.
FF: Weak to fair blow. Slow increase to 6" - FSI: No blow.

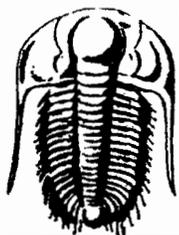
Recovery — Total Feet 330 GIP tr Ft. in DC 240 Ft. in DP 90
 Rec. 330 Feet Of GCWM 20 %gas %oil 20 %water %mud
 Rec. Feet Of Good order! %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 99 °F Gravity N/A °API D@ °F Corrected Gravity N/A °API
 RW 2.4 @ 44 °F Chlorides 4900 ppm Recovery Chlorides 3,000 ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1356</u>		PSI Recorder No. <u>13758</u>	T-On Location <u>2120</u>
(B) First Initial Flow Pressure	<u>71</u>		PSI (depth) <u>3016'</u>	T-Started <u>2230</u>
(C) First Final Flow Pressure	<u>172</u>		PSI Recorder No. <u>13222</u>	T-Open <u>2359</u>
(D) Initial Shut-In Pressure	<u>946</u>		PSI (depth) <u>3021'</u>	T-Pulled <u>0200</u>
(E) Second Initial Flow Pressure	<u>172</u>		PSI Recorder No. <u> </u>	T-Out <u>0345</u>
(F) Second Final Flow Pressure	<u>182</u>		PSI (depth) <u> </u>	T-Off Location <u>0415</u>
(G) Final Shut-in Pressure	<u>932</u>		PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/> <u>700⁰⁰</u>
(Q) Final Hydrostatic Mud	<u>1330</u>		PSI Initial Shut-in <u>30</u>	Jars <input checked="" type="checkbox"/> <u>200⁰⁰</u>
			Final Flow <u>30</u>	Safety Joint <input checked="" type="checkbox"/> <u>50⁰⁰</u>
			Final Shut-in <u>30</u>	Straddle <u> </u>

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Approved By
 Our Representative Gary Purochamp

Circ. Sub
 Sampler
 Extra Packer
 Elec. Rec.
 Mileage 25⁰⁰
 Other
 TOTAL PRICE \$ 975⁰⁰



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT
 Rama Operating Co Inc
 PO Box 159
 Stafford, KS 67578

Well name#:	Staton Farms 1-15	Date:	12/18/2002
Location#:	15-25s-12w	Ticket #:	16536
	Stafford co Kansas	DST#	3

General Informaion:

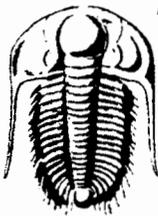
Formation:	Mississippi	Test Type:	Conventional	BHT:	109
Interval:	3890-3970	Tester:	Gary Pevoteaux	OIL API:	
Total Depth:	3970	Elevation:	1877 ft(KB)	H2O Salinity:	7000
Hole Diameter:	7 7/8"		1868 ft(CF)		

Start Data:	12/18/2002	Tool Weight:	2100	Mud Type:	Chemical
Start Time:	11:40:00	Weight Set on Packers:	20000	Mud Weight:	9
Time tool opened:	13:30:00	Weight to Pull Loose:	89000	Viscosity:	61
Time Off Btm:	17:17:00	Initial String Weight:	64000	Water Loss:	10.2
End Date:	12/18/02	Final String Weight:	64000	Resistivity:	
End Time:	19:15:00	Drill Pipe Length:	3653	Salinity:	7000
		Drill Collar Length:	240		

Test Comment:	IF:Strong blow B.O.B. in 1.5 minutes Gas to surface in 7.5 minutes
	ISI:No blow
	FF:Strong blow
	FSI:No blow
Recovery	
Length(ft):	242 Gas cut mud 8%gas 92%mud

Gas Volume Report

Recorder #:	10290	O	Min:	Ins. Of water	Orifice	MCF/D
Pressure Summary:	Time:(min)		PSIG	size		
Initial Hydro-static:	1992	1	10	9	.375	80.2
Open to Flow (1):	184 30	1	20	13	.5	172.7
Shut-in (1):	130 45	1	30	16	.5	191.5
End Shut-in (1):	635	2	10	7.5	.75	219
Open to Flow (2):	103 60	2	20	8.5	.75	236
Shut-in (2):	105 90	2	30	9	.75	245
End Shut-in (2):	638	2	40	9.5	.75	251
Final Hydro-static:	1956	2	50	10	.75	259
		2	60	10.5	.75	267



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 16536

Test Ticket

Well Name & No. Station Farms #1-15 Test No. 3 Date 12-18-2002
 Company Rama Operating Co. Inc. Zone Tested Miss
 Address Stafford Ks. # 67578 Elevation 1877 KB 1869 GL
 Co. Rep / Geo. Wayne Lebsack Cont. Starting Only #1 Est. Ft. of Pay Por. %
 Location: Sec. 15 Twp. 25 S Rge. 12 W Co. Stafford State Ks.
 No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 3890 - 3970' Initial Str Wt./Lbs. 4,000 Unseated Str Wt./Lbs. 64,000
 Anchor Length 80' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 89,000
 Top Packer Depth 3885' Tool Weight 2100 #
 Bottom Packer Depth 3890' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 3970' Wt. Pipe Run None Drill Collar Run 240'
 Mud Wt. 9.0 LCM 2# Vis. 61 WL 10.2 cc. Drill Pipe Size 4 1/2" x .44 Ft. Run 3653'
 Blow Description IF: Strong blow. B.O.B. in 1.5 mins. GTS in 7.5 mins. (see gas volume report) IST: No blow, FF: Strong blow. (see gas volume report) FSI: No blow.

Recovery — Total Feet 242 GIP yes Ft. in DC 240 Ft. in DP 2
 Rec. 242 Feet Of CCM %gas %oil %water 2 %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 109 °F Gravity N/A °API D@ °F Corrected Gravity N/A °API
 RW N.C. @ °F Chlorides 7,000 ppm Recovery Chlorides 7,000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>1962</u>		PSI Recorder No.	<u>10290</u>	T-On Location <u>1040</u>
(B) First Initial Flow Pressure	<u>152</u>		PSI (depth)	<u>3967'</u>	T-Started <u>1140</u>
(C) First Final Flow Pressure	<u>126</u>		PSI Recorder No.	<u>13222</u>	T-Open <u>1330</u>
(D) Initial Shut-In Pressure	<u>630</u>		PSI (depth)	<u>3962'</u>	T-Pulled <u>1717</u>
(E) Second Initial Flow Pressure	<u>102</u>		PSI Recorder No.	<u> </u>	T-Out <u>1915</u>
(F) Second Final Flow Pressure	<u>109</u>		PSI (depth)	<u> </u>	T-Off Location <u>2030</u>
(G) Final Shut-in Pressure	<u>636</u>		PSI Initial Opening	<u>30</u>	Test <input checked="" type="checkbox"/> <u>700⁰⁰</u>
(Q) Final Hydrostatic Mud	<u>1940</u>		PSI Initial Shut-in	<u>45</u>	Jars <input checked="" type="checkbox"/> <u>200⁰⁰</u>
			Final Flow	<u>60</u>	Safety Joint <input checked="" type="checkbox"/> <u>50⁰⁰</u>
			Final Shut-in	<u>90</u>	Straddle <u> </u>
					Circ. Sub <u> </u>
					Sampler <u> </u>
					Extra Packer <u> </u>
					Elec. Rec. <u> </u>
					Mileage <u>1</u> <u>2500</u>
					Other <u> </u>
					TOTAL PRICE \$ <input checked="" type="checkbox"/> <u>975⁰⁰</u>

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Approved By

Our Representative Gary Purovich

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

