

DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr Associates Inc**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Justin

17 18 9 Rice KS

Beneke 1-17

Start Date: 2007.06.07 @ 23:22:55

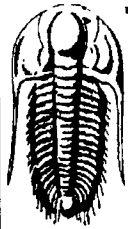
End Date: 2007.06.08 @ 10:33:25

Job Ticket #: 27941 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

Sam Gary Jr Associates Inc

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Justin

Beneke 1-17

17 18 9 Rice KS

Job Ticket: 27941

DST#: 1

Test Start: 2007.06.07 @ 23:22:55

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:22:25

Time Test Ended: 10:33:25

Test Type: Conventional Straddle

Tester: Travy Cushenbery

Unit No: 30

Interval: **3252.00 ft (KB) To 3272.00 ft (KB) (TVD)**

Total Depth: 3350.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1745.00 ft (KB)

1735.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6668 Inside

Press@RunDepth: 487.24 psig @ 3252.00 ft (KB)

Start Date: 2007.06.07

End Date:

2007.06.08

Start Time: 23:23:00

End Time:

10:33:25

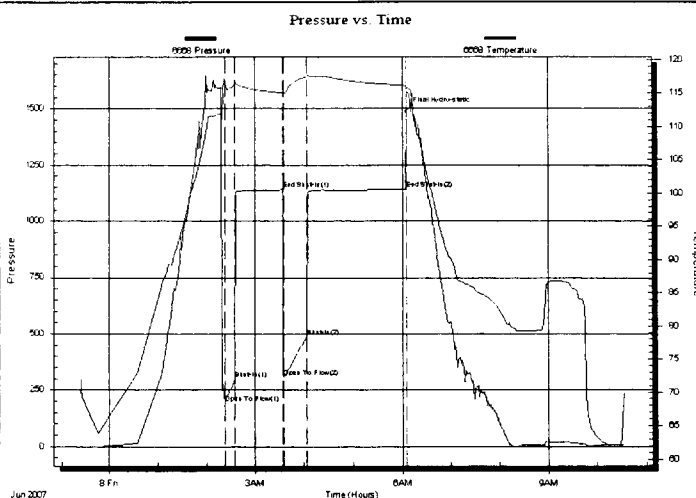
Capacity: 7000.00 psig

Last Calib.: 2007.06.08

Time On Btm:

Time Off Btm: 2007.06.08 @ 06:04:54

TEST COMMENT: IF Strong blow BOB in 1 min.
ISI Bled off No blow back
FF Fair blow Building BOB in 3 mins.
FSI Bled off No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	191.17	116.80	Open To Flow (1)
12	298.15	116.38	Shut-In (1)
72	1140.04	115.07	End Shut-In (1)
73	307.57	114.82	Open To Flow (2)
101	487.24	117.51	Shut-In (2)
223	1140.37	116.13	End Shut-In (2)
223	1487.15	116.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
465.00	Mud 100%M	2.86
372.00	GOcWM 10%G 20%O 30%W 40%M	2.83
279.00	GOcMW 10%G 30%O 40%W 20%M	2.12
124.00	GMcOW 5%G 15%O 70%W 10%M	0.94
93.00	Mud 100%M	0.71

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr Associates Inc

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Justin

Beneke 1-17

17 18 9 Rice KS

Job Ticket: 27941

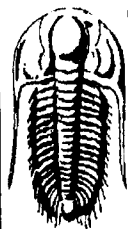
DST#: 1

Test Start: 2007.06.07 @ 23:22:55

Tool Information

Drill Pipe:	Length: 2974.00 ft	Diameter: 2.80 inches	Volume: 22.65 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 254.00 ft	Diameter: 2.25 inches	Volume: 1.25 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 23.90 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3252.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	3272.00 ft			
Interval between Packers:	20.00 ft			
Tool Length:	129.00 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			3229.00		
Hydraulic tool	5.00			3234.00		
Jars	5.00			3239.00		
Safety Joint	3.00			3242.00		
Packer	5.00			3247.00	28.00	Bottom Of Top Packer
Packer	5.00			3252.00		
Recorder	0.00	6668	Inside	3252.00		
Perforations	19.00			3271.00		
Recorder	0.00	13266	Outside	3271.00		
Blank Off Sub	1.00			3272.00	20.00	Tool Interval
Packer	3.00			3275.00		
Stubb	2.00			3277.00		
Change Over Sub	1.00			3278.00		
Drill Pipe	62.00			3340.00		
Change Over Sub	1.00			3341.00		
Perforations	9.00			3350.00		
Recorder	0.00	10330	Outside	3350.00		
Bullnose	3.00			3353.00	81.00	Bottom Packers & Anchor
Total Tool Length:		129.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr Associates Inc

Beneke 1-17

1670 Broadway Ste 3300
Denver CO 80202

17 18 9 Rice KS

Job Ticket: 27941

DST#: 1

ATTN: Justin

Test Start: 2007.06.07 @ 23:22:55

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:

14000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: 0.46 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
465.00	Mud 100%M	2.856
372.00	GOcWM 10%G 20%O 30%W 40%M	2.833
279.00	GOcMW 10%G 30%O 40%W 20%M	2.125
124.00	GMcOW 5%G 15%O 70%W 10%M	0.944
93.00	Mud 100%M	0.708

Total Length: 1333.00 ft

Total Volume: 9.466 bbl

Num Fluid Samples: 0

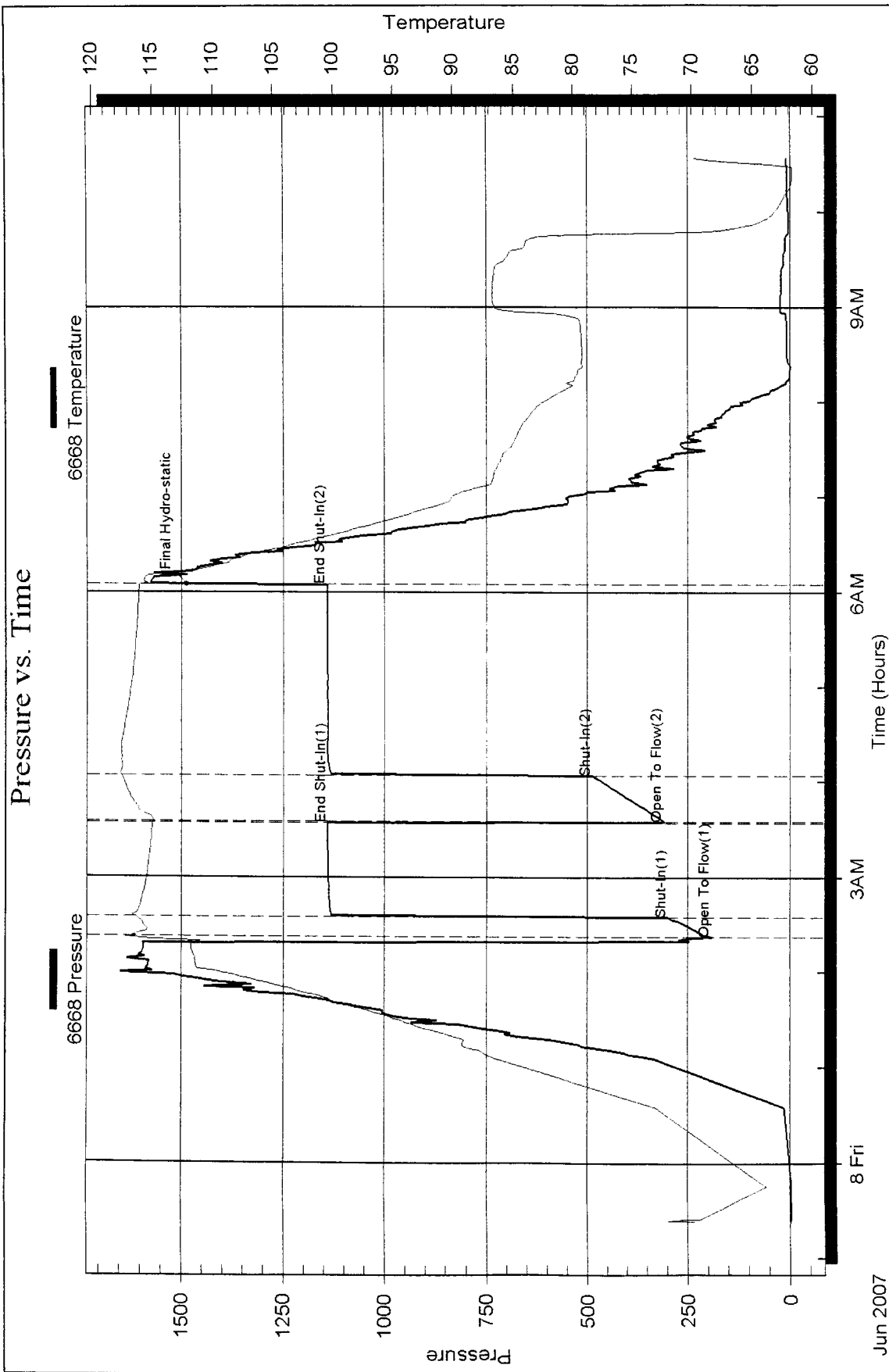
Num Gas Bombs: 0

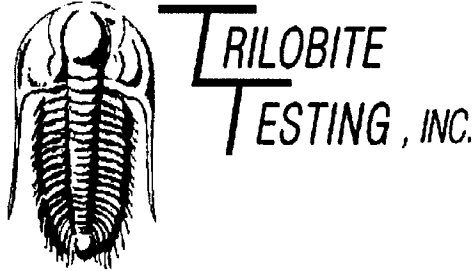
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr Associates Inc**

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Justin

17 18 9 Rice KS

Beneke 1-17

Start Date: 2007.06.08 @ 12:24:58

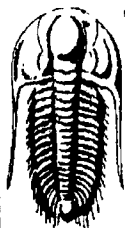
End Date: 2007.06.09 @ 00:19:28

Job Ticket #: 27942 DST #: 2

Trilobite Testing, Inc

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Sam Gary Jr Associates Inc

1670 Broadway Ste 3300
Denver CO 80202

ATTN: Justin

Beneke 1-17

17 18 9 Rice KS

Job Ticket: 27942

DST#: 2

Test Start: 2007.06.08 @ 12:24:58

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:58:58

Time Test Ended: 00:19:28

Test Type: Conventional Straddle

Tester: Travy Cusahenbery

Unit No: 30

Interval: **3251.00 ft (KB) To 3264.00 ft (KB) (TVD)**

Total Depth: 3350.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1745.00 ft (KB)

1735.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6668

Inside

Press@RunDepth: 1137.72 psig @ 3251.00 ft (KB)

Start Date: 2007.06.08

End Date: 2007.06.09

Start Time: 12:25:03

End Time: 00:20:28

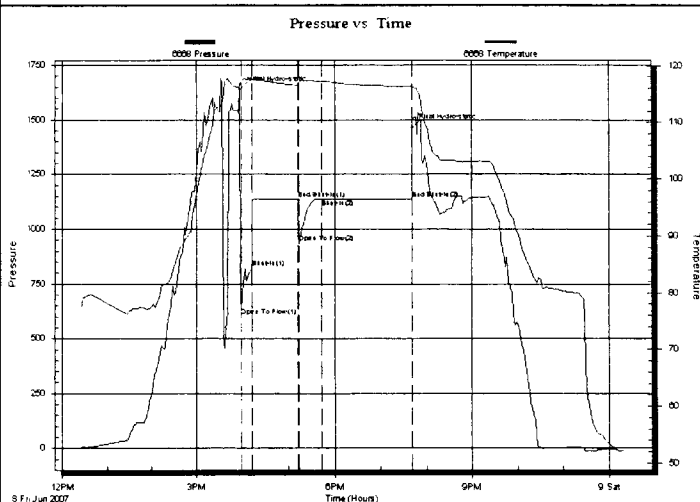
Capacity: 7000.00 psig

Last Calib.: 2007.06.09

Time On Btm: 2007.06.08 @ 15:57:28

Time Off Btm: 2007.06.08 @ 19:41:57

TEST COMMENT: IF Strong blow BOB in 20 secs.
ISI Bled off No blow back
FF Strong blow BOB in 45 secs. Slowly fading to 2 " in 30 mins.
FSI Bled off No blow back (Dropped bar and circulated out)



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.63	116.05	Initial Hydro-static
2	603.33	117.26	Open To Flow (1)
16	822.46	117.59	Shut-In (1)
76	1135.81	116.57	End Shut-In (1)
76	936.17	116.53	Open To Flow (2)
106	1137.72	117.14	Shut-In (2)
225	1137.99	116.29	End Shut-In (2)
225	1463.51	116.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	WMW Scum of Oil 70%W 30%M	0.15
31.00	WateryMud 70%W 30%M	0.15

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sam Gary Jr Associates Inc

Beneke 1-17

1670 Broadway Ste 3300
Denver CO 80202

17 18 9 Rice KS

Job Ticket: 27942

DST#: 2

ATTN: Justin

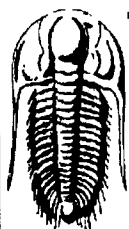
Test Start: 2007.06.08 @ 12:24:58

Tool Information

Drill Pipe:	Length: 2974.00 ft	Diameter: 2.80 inches	Volume: 22.65 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 254.00 ft	Diameter: 2.25 inches	Volume: 1.25 bbl	Weight to Pull Loose:	70000.00 lb
			Total Volume: 23.90 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3251.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	3261.00 ft				
Interval between Packers:	10.00 ft				
Tool Length:	130.00 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			3228.00	
Hydraulic tool	5.00			3233.00	
Jars	5.00			3238.00	
Safety Joint	3.00			3241.00	
Packer	5.00			3246.00	28.00 Bottom Of Top Packer
Packer	5.00			3251.00	
Recorder	0.00	6668	Inside	3251.00	
Perforations	9.00			3260.00	
Recorder	0.00	13266	Outside	3260.00	
Blank Off Sub	1.00			3261.00	10.00 Tool Interval
Packer	3.00			3264.00	
Stubb	2.00			3266.00	
Change Over Sub	1.00			3267.00	
Drill Collar	62.00			3329.00	
Change Over Sub	1.00			3330.00	
Perforations	20.00			3350.00	
Recorder	0.00	10330	Outside	3350.00	
Bullnose	3.00			3353.00	92.00 Bottom Packers & Anchor

Total Tool Length: 130.00



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FLUID SUMMARY

Sam Gary Jr Associates Inc

Beneke 1-17

1670 Broadway Ste 3300
Denver CO 80202

17 18 9 Rice KS

Job Ticket: 27942

DST#: 2

ATTN: Justin

Test Start: 2007.06.08 @ 12:24:58

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:

13000 ppm

Viscosity: 46.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: 0.60 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	WMW Scum of Oil 70%W 30%M	0.152
31.00	WateryMud 70%W 30%M	0.152

Total Length: 62.00 ft

Total Volume: 0.304 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

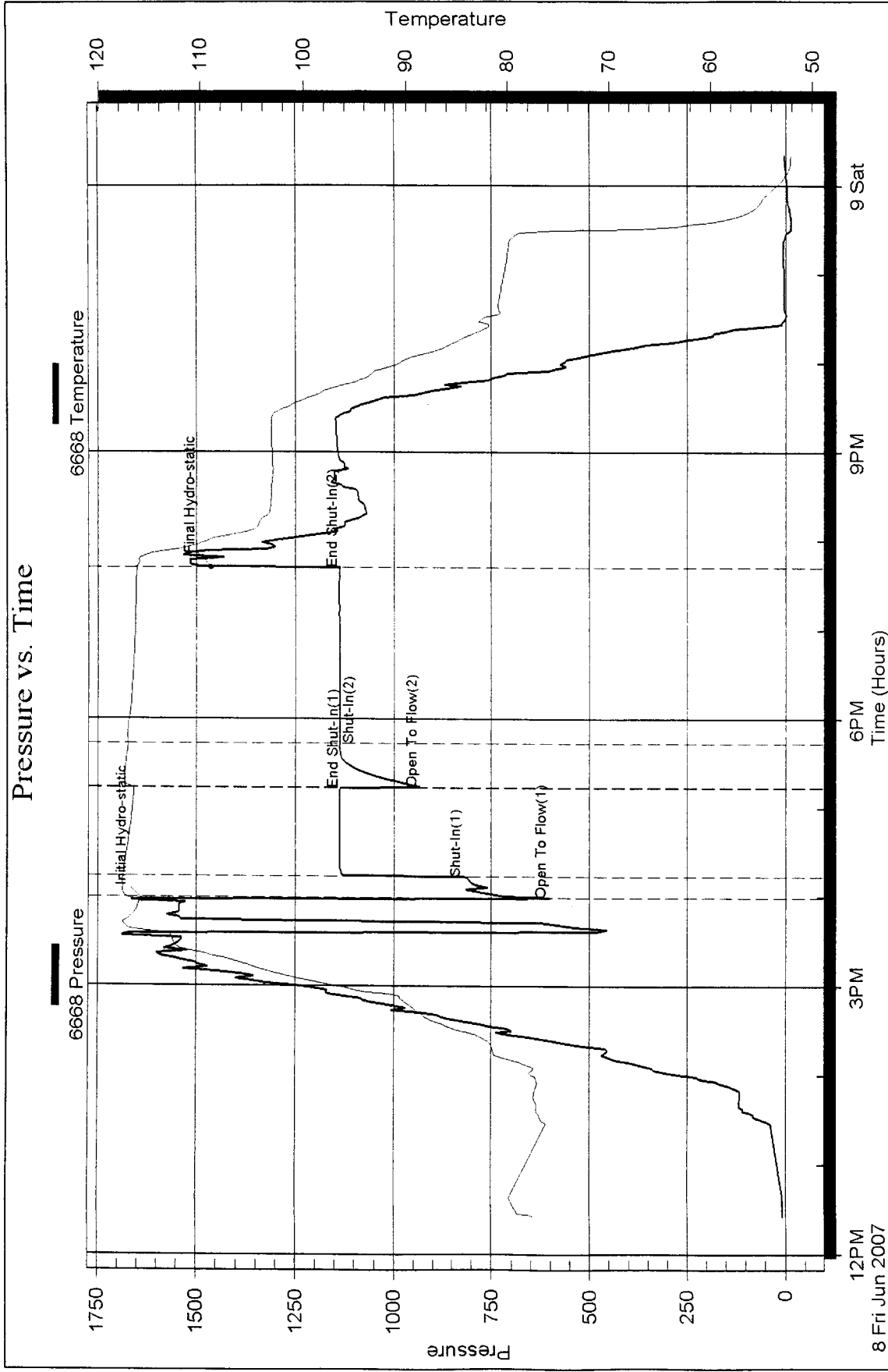
Serial #:

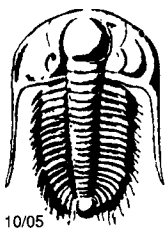
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27941

10264

Test Ticket

Well Name & No. <u>Beneke #1-17</u>	Test No. <u>#1</u>	Date <u>6-7-07</u>
Company <u>Sam Gary Jr. & Assoc. Inc.</u>	Zone Tested <u>Quadruple</u>	
Address <u>1670 Broadway, Suite 3300 Denver CO 80202</u>	Elevation <u>1745'</u> KB <u>1735'</u> GL	
Co. Rep / Geo. <u>Justin</u>	Rig <u>Summit Rig</u>	
Location: Sec. <u>17</u> Twp. <u>18S</u> Rge. <u>9W</u>	Co. <u>Pice</u>	State <u>KS</u>
Comment: _____	Release date / time: <u>6-8-07 @</u>	

Interval Tested <u>3252' - 3272'</u>	Initial Str Wt./Lbs. <u>38,000</u>	Unseated Str Wt./Lbs. <u>46,000</u>
Anchor Length <u>20'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>50,000</u>
Top Packer Depth <u>3247'</u>	Tool Weight <u>2,100 lbs.</u>	
Bottom Packer Depth <u>3252' + 3272'</u>	Hole Size <u>7 7/8" ✓</u>	Rubber Size <u>6 3/4" ✓</u>
Total Depth <u>3350'</u>	Wt. Pipe Run <u>NONE</u>	Drill Collar Run <u>254'</u>
Mud Wt. <u>9.2</u> LCM <u>2</u> Vis. <u>46</u> WL <u>8.4</u>	Drill Pipe Size <u>3 1/2 XH</u>	Ft. Run <u>2974'</u>

Blow Description IF: Strong blow. B.O.B. in 1 min.
ISI: Bled off. No blow back.
FF: Fair blows. Building. B.O.B. in 3 mins.
FSI: Bled off. No blow back.

Recovery - Total Feet <u>1,333'</u>	GIP <u>1,395'</u>	Ft. in DC <u>248'</u>	Ft. in DP <u>1,085'</u>
Rec. <u>465</u> Feet of <u>Mud</u>	0 %gas	0 %oil	0 %water 100 %mud
Rec. <u>372</u> Feet of <u>GOCWM</u>	10 %gas	20 %oil	30 %water 40 %mud
Rec. <u>279</u> Feet of <u>GOCMLW</u>	10 %gas	30 %oil	40 %water 20 %mud
Rec. <u>124</u> Feet of <u>GMCOW</u>	5 %gas	15 %oil	70 %water 10 %mud
Rec. <u>93</u> Feet of <u>Mud</u>	0 %gas	0 %oil	0 %water 100 %mud
BHT <u>116</u> °F Gravity _____	°API D @ _____	°F Corrected Gravity _____	°API _____
RW <u>.46</u> @ <u>70</u> °F	Chlorides _____ ppm Recovery <u>14,000</u>	Chlorides <u>4,200</u> ppm System	

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1644</u> PSI	Recorder No. <u>16668</u>	Test <u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>191</u> PSI	(depth) <u>3252'</u>	Jars <u>✓</u> <u>250</u>
(C) First Final Flow Pressure	<u>298</u> PSI	Recorder No. <u>13266</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>1140</u> PSI	(depth) <u>3271'</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>308</u> PSI	Recorder No. <u>10330</u>	Sampler _____
(F) Second Final Flow Pressure	<u>487</u> PSI	(depth) <u>3347'</u>	Straddle <u>✓</u> <u>200</u>
(G) Final Shut-In Pressure	<u>1140</u> PSI	Initial Opening <u>15 mins</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1581</u> PSI	Initial Shut-In <u>60 mins</u>	Shale Packer <u>100</u>
		Final Flow <u>30 mins</u>	Ruined Packer <u>187.50</u>
		Final Shut-In <u>120 mins</u>	Mileage <u>150 m: 185</u>
		T-On Location <u>21:00</u>	Sub Total: _____
		T-Started <u>23:20</u>	Std. By <u>✓ 4 1/2 hrs 450</u>
		T-Open <u>02:20</u>	Acc. Chg: <u>✓</u>
		T-Pulled <u>06:05</u>	Other: _____
		T-Out <u>10:32</u>	Total: <u>2662.50</u>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED 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 [Signature]

Our Representative Travis Lushenbery

CHART PAGE

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

TK # 2794/

Recorder 10330

Benske 1-17

San Geronimo Assoc. Inc.

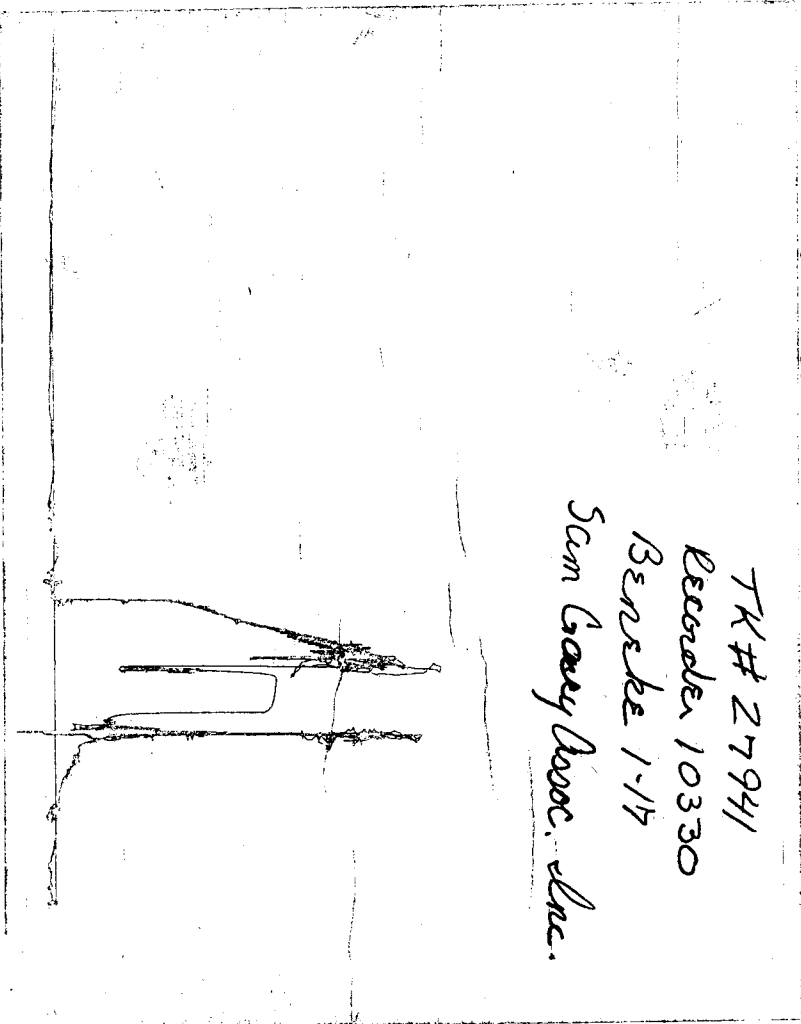


CHART PAGE

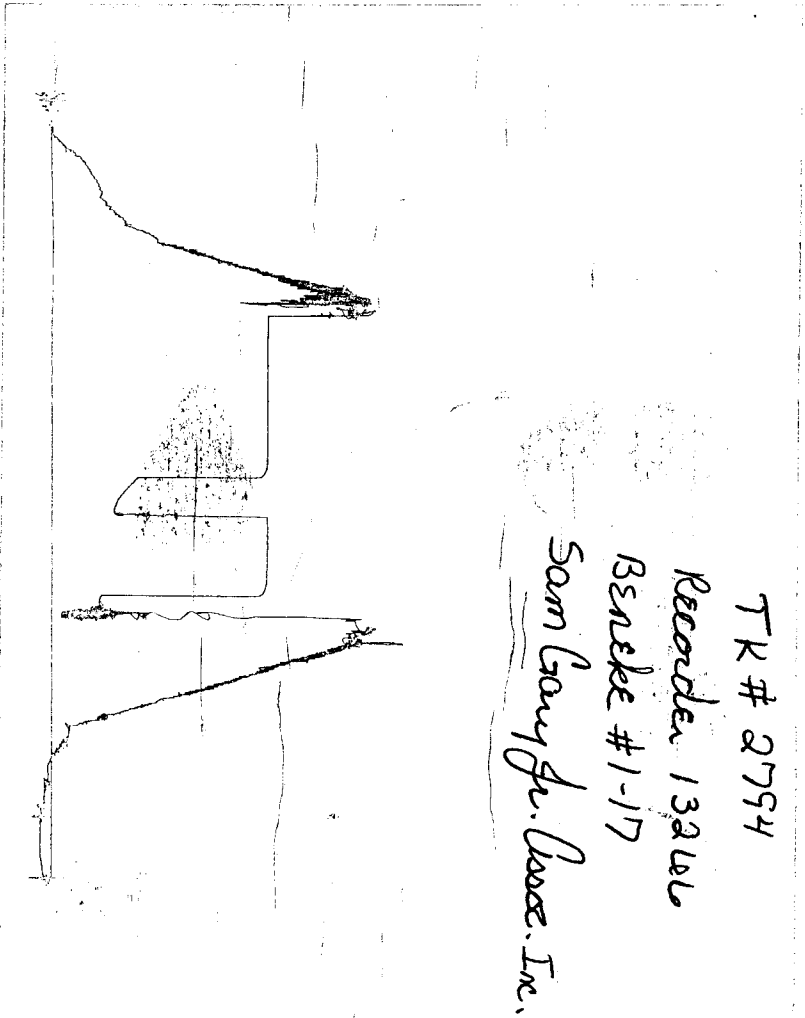
This is a photocopy of the actual AK-1 recorder chart.

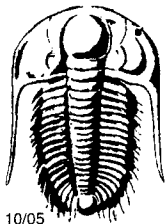
TR # 2754

Recorder 13246

Beake #1-17

Sam Lang Jr. Coas. Inc.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

27942

Test Ticket

Well Name & No. Beneke #1-17 Test No. #2 Date 6-8-07
 Company Sam Gray Jr. Assoc. Inc. Zone Tested Aubuckle
 Address 1670 Broadway Suite 3300 Denver CO, 80202 Elevation 1745' KB 1735' GL
 Co. Rep / Geo. Justin Rig Summit
 Location: Sec. 17 Twp. 18s Rge. 9W Co. Rice State KS
 Comment: _____ Release date / time: _____

Interval Tested 3251' - 3264' Initial Str Wt./Lbs. 40,000 Unseated Str Wt./Lbs. 46,000
 Anchor Length 13' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 3246' Tool Weight 2,100 lbs
 Bottom Packer Depth 3251' + 3261' Hole Size 7 7/8" Rubber Size 6 3/4"
 Total Depth _____ Wt. Pipe Run None Drill Collar Run 254'
 Mud Wt. 9.2 LCM 2 Vis. 46 WL 8.4 Drill Pipe Size 3 1/2 XH Ft. Run 2974'

Blow Description IF: Strong blow. B.O.B. in 20 sec.
ISI: Bled off. No blow.
FF: Strong blow. B.O.B. in 45 sec. Slowly fading to 2' in 30 mins
FSI: Bled off. No blow back.

Recovery - Total Feet 2490' GIP _____ Ft. in DC 254' Ft. in DP 2236'
 Rec. 31 Feet of Watery Mud w/ scum %gas _____ %oil 70 %water 30 %mud
 Rec. 31 Feet of Watery Mud %gas _____ %oil 70 %water 30 %mud
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. Dropped Bar Feet of _____ %gas _____ %oil _____ %water _____ %mud
 Rec. & Circulated Feet of _____ %gas _____ %oil _____ %water _____ %mud
 BHT out. °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW .60 @ 60 °F Chlorides _____ ppm Recovery 13,000 Chlorides 4,200 ppm System

AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>1,167.5</u> PSI	Recorder No. <u>11668</u>	Test <u>✓</u> <u>1100</u>
(B) First Initial Flow Pressure	<u>1603</u> PSI	(depth) <u>3251'</u>	Jars <u>✓</u> <u>250</u>
(C) First Final Flow Pressure	<u>822</u> PSI	Recorder No. <u>13266</u>	Safety Jt. <u>✓</u> <u>75</u>
(D) Initial Shut-In Pressure	<u>1,136</u> PSI	(depth) <u>3260'</u>	Circ Sub <u>✓</u> <u>50</u>
(E) Second Initial Flow Pressure	<u>936</u> PSI	Recorder No. <u>10330</u>	Sampler _____
(F) Second Final Flow Pressure	<u>1,138</u> PSI	(depth) <u>3260' 3347'</u>	Straddle <u>✓</u> <u>600</u>
(G) Final Shut-In Pressure	<u>1,138</u> PSI	Initial Opening <u>15 mins</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1,560</u> PSI	Initial Shut-In <u>60 mins</u>	Shale Packer _____
		Final Flow <u>30 mins</u>	Ruined Packer <u>18750</u>
		Final Shut-In <u>120 mins</u>	Mileage <u>✓</u> <u>150 miles</u>
		T-On Location <u>10:32</u>	Sub Total: _____
		T-Started <u>12:24</u>	Std. By <u>4 hrs</u> <u>✓</u> <u>400</u>
		T-Open <u>15:58</u>	Acc. Chg: <u>✓</u>
		T-Pulled <u>19:44</u>	Other: _____
		T-Out <u>00:19</u>	Total: <u>182662.50</u>

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED 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 Justin
 Our Representative Tracy Lushenberry

CHART PAGE

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

TK# 27942

RECORDED # 10330

BENTON 1-17

Sam Gary Jr. Assoc.

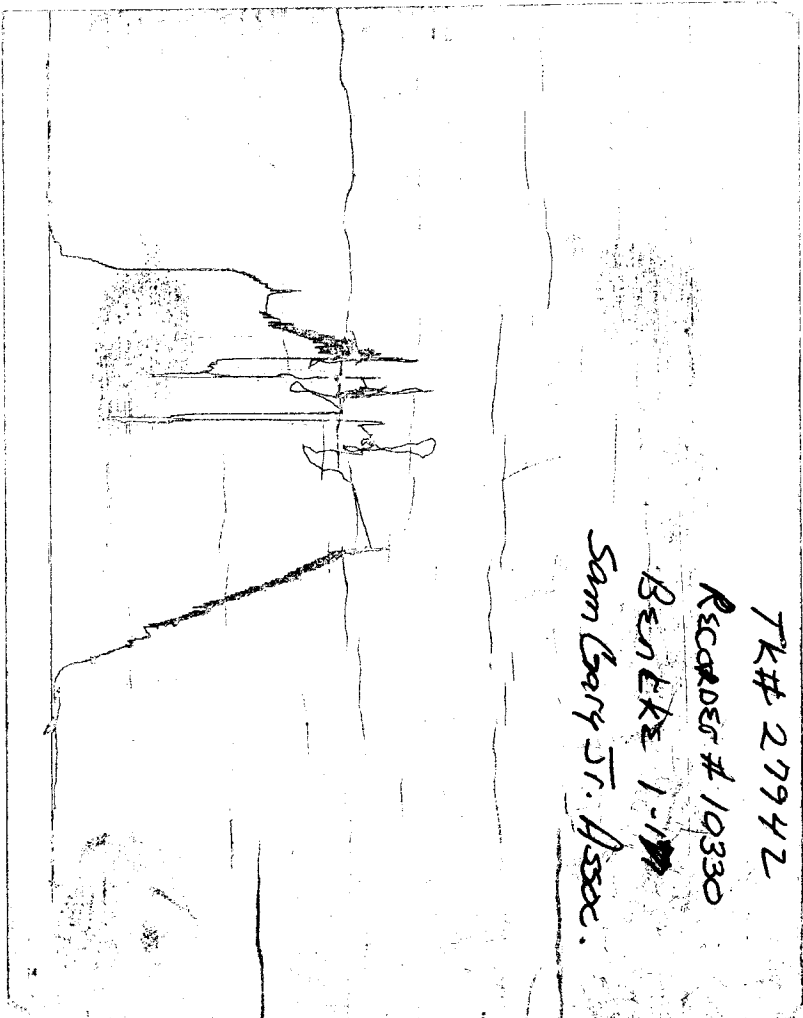


CHART PAGE

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

TK # 27942

Recorder # 13246

Benke 1-17

Sam Gary Jr. Assoc.

