

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name & No.	NEWCOMER #1-7	Test No.	1	Date	8-10-88				
Company	ALLEN DRILLING CO	Zone Tested	PLATSMOUTH						
Address	P.O. BOX 1389 GREAT BEND KS 67530	Elevation	2409 KB						
Co. Rep./Geo.	JEFF ZOLLER	Cont.	ALLEN #1	Est. Ft. of Pay	0				
Location: Sec.	7	Twp.	12S	Rge.	22W	Co.	TREGO	State	KS

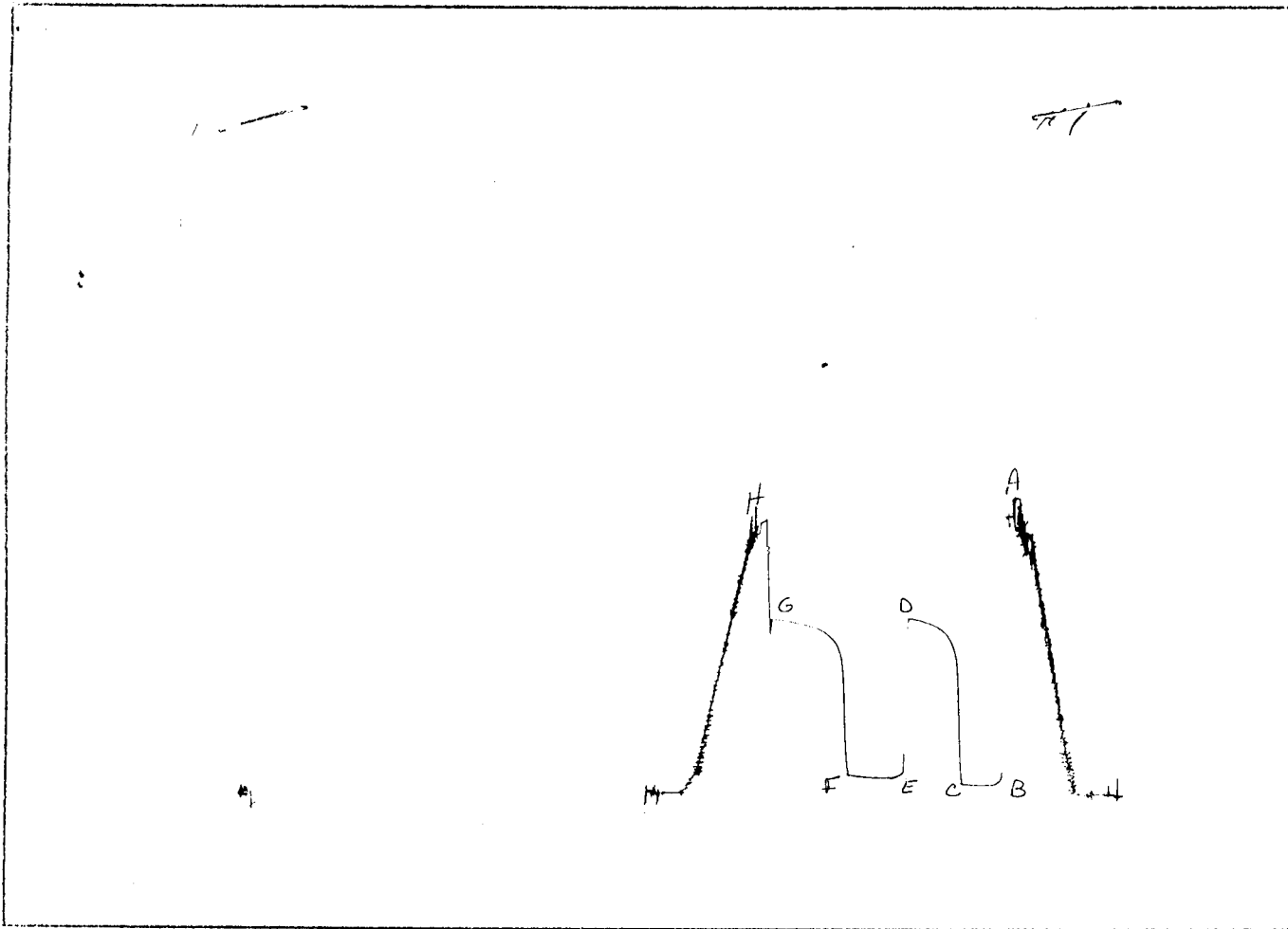
Interval Tested	3578-3599	Drill Pipe Size	4.5 XH			
Anchor Length	21	Top Choke — 1"				
Top Packer Depth	3578	Bottom Choke — 3/4"				
Bottom Packer Depth	3599	Hole Size — 7 7/8"				
Total Depth	3629	Rubber Size — 6 3/4"				
Wt. Pipe I.D. — 2.7		Ft. Run	0			
Drill Collar — 2.25		Ft. Run	0			
Mud Wt.	9.1	lb./gal.	Viscosity	48	Filtrate	10.8
Tool Open @	7:45PM	Initial Blow	WEAK BUILDING TO 9" STRONG BLOW			

Final Blow WEAK BUILDING TO 4" FAIR BLOW

Recovery — Total Feet	210	Flush Tool?	N
Rec.	210	Feet of	SALT WATER (NO SHOW)
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	

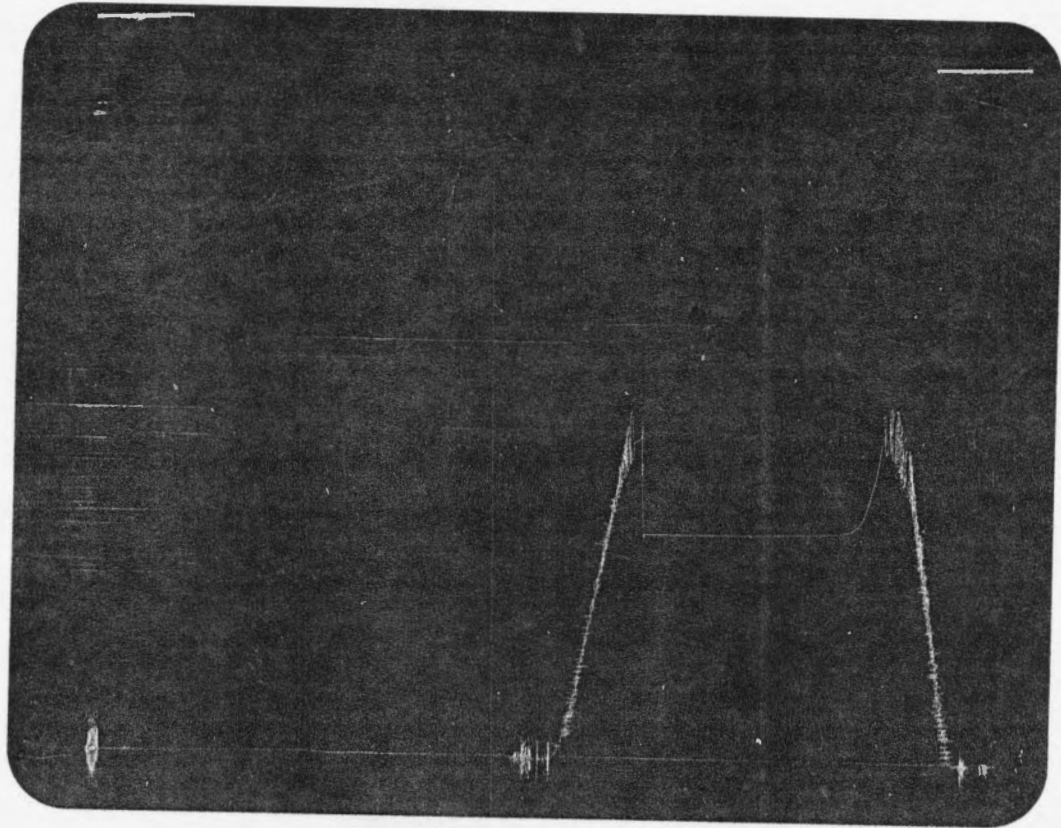
BHT	107	°F	Gravity		°API @	0	°F	Corrected Gravity	0	°API		
RW	.10	@	78	°F	Chlorides	65000	ppm	Recovery	Clorides	5000	ppm	System
(A) Initial Hydrostatic Mud	1783.2	PSI	AK1 Recorder No.	13615	Range	4575						
(B) First Initial Flow Pressure	45.9	PSI	@ (depth)	3595	w/Clock No.	25814						
(C) First Final Flow Pressure	80.1	PSI	AK1 Recorder No.	13223	Range	4150						
(D) Initial Shut-In Pressure	1122.5	PSI	@ (depth)	3591	w/Clock No.	25810						
(E) Second Initial Flow Pressure	99.7	PSI	Initial Opening	30								
(F) Second Final Flow Pressure	128.7	PSI	Initial Shut-In	45								
(G) Final Shut-In Pressure	1110.5	PSI	Final Flow	45								
(H) Final Hydrostatic Mud	1721.3	PSI	Final Shut-In	60								

Our Representative DAN RANGLE TOTAL PRICE ..... \$ 650



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	1781	1783.2	PSI
(B) First Initial Flow Pressure.....	56	45.9	PSI
(C) First Final Flow Pressure.....	78	80.1	PSI
(D) Initial Closed-in Pressure.....	1128	1122.5	PSI
(E) Second Initial Flow Pressure.....	101	99.7	PSI
(F) Second Final Flow Pressure.....	135	128.7	PSI
(G) Final Closed-in Pressure.....	1117	1110.5	PSI
(H) Final Hydrostatic Mud.....	1726	1721.3	PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud.....		PSI
(B) First Initial Flow Pressure.....		PSI
(C) First Final Flow Pressure.....		PSI
(D) Initial Closed-in Pressure.....		PSI
(E) Second Initial Flow Pressure.....		PSI
(F) Second Final Flow Pressure.....		PSI
(G) Final Closed-in Pressure.....		PSI
(H) Final Hydrostatic Mud.....		PSI

# TRILOBITE TESTING COMPANY

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## TEST TICKET

No 1401

Well Name & No. <u>Newcomer # 1-7</u>	Test No. <u>1</u>	Date <u>8-10-88</u>
Company <u>Allen Dalg. Co.</u>	Zone Tested <u>PLATS MOUTH</u>	
Address <u>P.O. Box 1389, Great Bend, Ks. 67530</u>	Elevation <u>2409 K.B.</u>	
Co. Rep./Geo. <u>Jeff Zoller</u>	Cont. <u>Allen # 1</u>	Est. Ft. of Pay _____
Location: Sec. <u>7</u>	Twp. <u>12S</u>	Rge. <u>22W</u> Co. <u>Trego</u> State <u>Ks.</u>

Interval Tested <u>3578-3599</u>	Drill Pipe Size <u>4.5 XH</u>
Anchor Length <u>21</u>	Top Choke — 1" _____
Top Packer Depth <u>3578</u>	Bottom Choke — 3/4" _____
Bottom Packer Depth <u>3599</u>	Hole Size — 7 7/8" _____
Total Depth <u>3629</u>	Rubber Size — 6 3/4" _____
Wt. Pipe I.D. — 2.7 _____	Ft. Run _____
Drill Collar — 2.25 _____	Ft. Run _____
Mud Wt. <u>9.1</u> lb./gal.	Viscosity <u>48</u> Filtrate <u>10.8</u>
Tool Open @ <u>7:45 P.M.</u>	Initial Blow <u>WEAK - building to 9" strong blow.</u>
Final Blow <u>WEAK - building to 4" Fair blow.</u>	

Recovery — Total Feet <u>210</u>	Flush Tool? _____
Rec. <u>210</u> Feet of <u>S.W. (N-S)</u>	
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	
Rec. _____ Feet of _____	

BHT <u>107</u> °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW <u>110</u> @ <u>28</u> °F Chlorides <u>65,000</u> ppm Recovery Chlorides <u>5,000</u> ppm System
(A) Initial Hydrostatic Mud <u>1781</u> PSI AK1 Recorder No. <u>13615</u> Range <u>4575</u>
(B) First Initial Flow Pressure <u>56</u> PSI @ (depth) <u>3595</u> w/Clock No. <u>15814</u>
(C) First Final Flow Pressure <u>78</u> PSI AK1 Recorder No. <u>13223</u> Range <u>4150</u>
(D) Initial Shut-In Pressure <u>1128</u> PSI @ (depth) <u>3591</u> w/Clock No. <u>25810</u>
(E) Second Initial Flow Pressure <u>101</u> PSI Initial Opening <u>30</u> Test <u>400</u> °°
(F) Second Final Flow Pressure <u>135</u> PSI Initial Shut-In <u>45</u> Jars _____
(G) Final Shut-In Pressure <u>1117</u> PSI Final Flow <u>45</u> Safety Joint _____
(H) Final Hydrostatic Mud <u>1726</u> PSI Final Shut-In <u>60</u> Straddle <u>250</u> °°

Approved By _____	Circ. Sub <u>X</u>
Our Representative <u>Dan Banerle</u>	Sampler _____
	Extra Packer <u>X</u>
	Other _____

TOTAL PRICE \$ 650 °°

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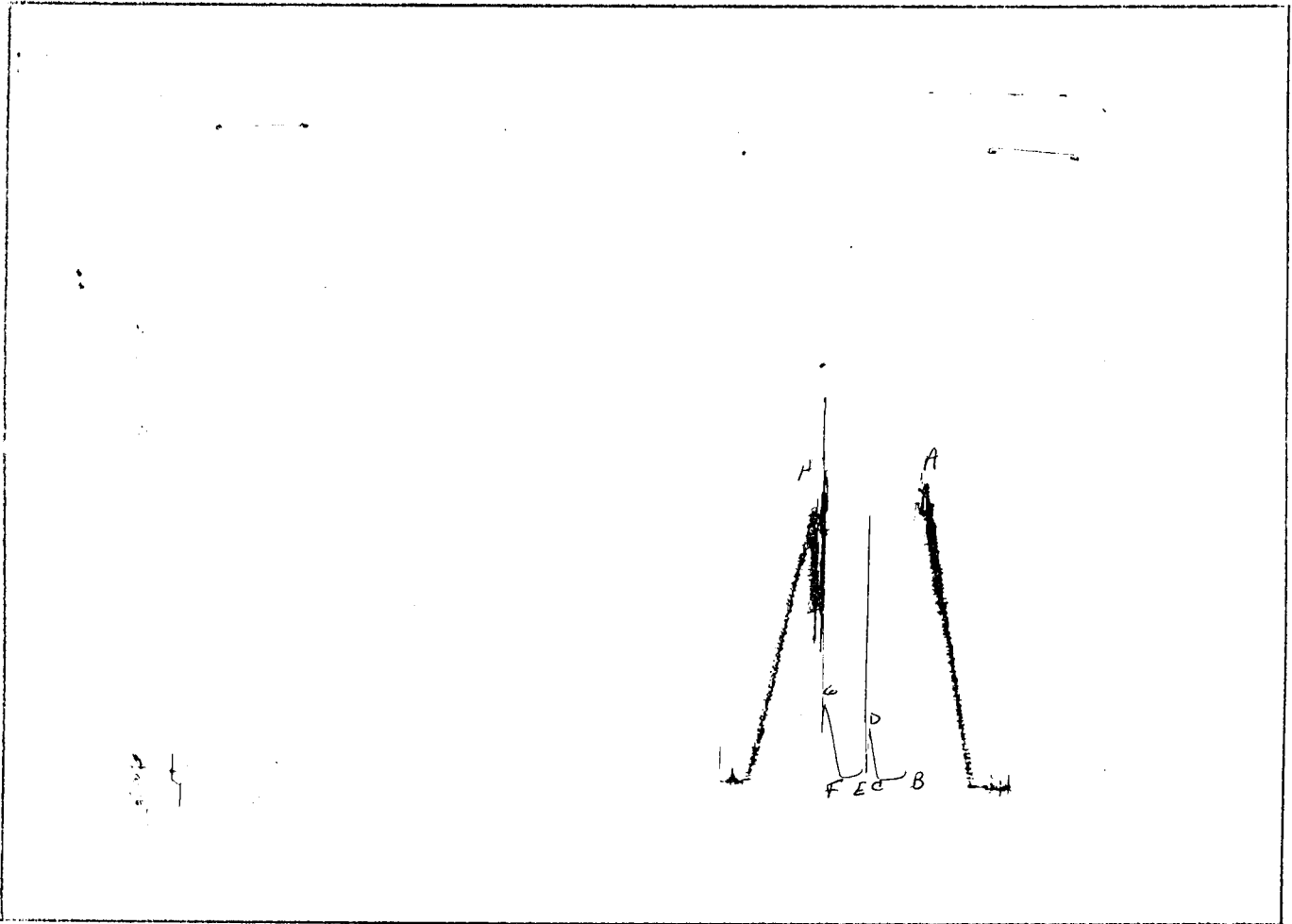
## Drill-Stem Test Data

Well Name & No. <u>NEWCOMER #1-7</u>	Test No. <u>2</u>	Date <u>8-11-88</u>
Company <u>ALLEN DRILLING CO</u>	Zone Tested <u>TORONTO</u>	
Address <u>P.O. BOX 1389 GREAT BEND KS 67530</u>	Elevation <u>2409 KB</u>	
Co. Rep./Geo. <u>JEFF ZOLLER/DUSTY RHOADS</u>	Office <u>ALLEN #1</u>	Est. Ft. of Pay <u>0</u>
Location: Sec. <u>7</u>	Twp. <u>12S</u>	Rge. <u>22W</u> Co. <u>TREGO</u> State <u>KS</u>

Interval Tested <u>3648-3674</u>	Drill Pipe Size <u>4.5 XH</u>
Anchor Length <u>26</u>	Top Choke — 1" _____
Top Packer Depth <u>3643</u>	Bottom Choke — 3/4" _____
Bottom Packer Depth <u>3648</u>	Hole Size — 7 7/8" _____
Total Depth <u>3674</u>	Rubber Size — 6 3/4" _____
Wt. Pipe I.D. — 2.7 _____	Ft. Run <u>0</u>
Drill Collar — 2.25 _____	Ft. Run <u>0</u>
Mud Wt. <u>9.1</u> lb./gal.	Viscosity <u>47</u> Filtrate <u>8</u>
Tool Open @ <u>7:23AM</u>	Initial Blow <u>VERY WEAK SURFACE BLOW DIED IN 3 MINUTES</u>
Final Blow <u>NO BLOW FLUSH TOOL NO BLOW AFTER SURGE</u>	

Recovery — Total Feet <u>1</u>	Flush Tool? <u>2ND OPEN</u>
Rec. <u>1</u> Feet of <u>MUD W/OIL SPECKS IN TOOL</u>	
Rec. <u>0</u> Feet of _____	
Rec. <u>0</u> Feet of _____	
Rec. <u>0</u> Feet of _____	
Rec. <u>0</u> Feet of _____	
BHT <u>108</u> °F Gravity _____ °API @ <u>0</u> °F Corrected Gravity <u>0</u> °API	
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System	
(A) Initial Hydrostatic Mud <u>1789.6</u> PSI AK1 Recorder No. <u>10248</u> Range <u>4400</u>	
(B) First Initial Flow Pressure <u>31.5</u> PSI @ (depth) <u>3668</u> w/Clock No. <u>31154</u>	
(C) First Final Flow Pressure <u>31.5</u> PSI AK1 Recorder No. <u>13615</u> Range <u>4575</u>	
(D) Initial Shut-In Pressure <u>459.7</u> PSI @ (depth) <u>3673</u> w/Clock No. <u>25816</u>	
(E) Second Initial Flow Pressure <u>37.2</u> PSI Initial Opening <u>15</u>	
(F) Second Final Flow Pressure <u>37.2</u> PSI Initial Shut-In <u>15</u>	
(G) Final Shut-In Pressure <u>606.3</u> PSI Final Flow <u>15</u>	
(H) Final Hydrostatic Mud <u>1741.9</u> PSI Final Shut-In <u>15</u>	

Our Representative PAUL SIMPSON TOTAL PRICE ..... \$ 400  
Printcraft Printers - Hays, KS



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	1802	1789.6	PSI
(B) First Initial Flow Pressure.....	36	31.5	PSI
(C) First Final Flow Pressure.....	36	31.5	PSI
(D) Initial Closed-in Pressure.....	462	459.7	PSI
(E) Second Initial Flow Pressure.....	43	37.2	PSI
(F) Second Final Flow Pressure.....	43	37.2	PSI
(G) Final Closed-in Pressure.....	612	606.3	PSI
(H) Final Hydrostatic Mud.....	1750	1741.9	PSI

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## TEST TICKET

No 1402

Well Name & No. A1-D Newcomer Test No. 3 Date 8/11/88  
Company Allen Drilling Company Zone Tested Toronto  
Address 1501 W. 17th St. Lawrence, KS 67504 Elevation 2409  
Co. Rep./Geo. Jeff Zoller/Dustin Rhoads Cont. Allen #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 5 Twp. 12S Rge. 22W Co. Trego State Ks

Interval Tested 3618-3674 Drill Pipe Size 1 1/2" PA  
Anchor Length 16 Top Choke — 1" \_\_\_\_\_  
Top Packer Depth 3643 Bottom Choke — 3/4" \_\_\_\_\_  
Bottom Packer Depth 3648 Hole Size — 7 7/8" \_\_\_\_\_  
Total Depth 3674 Rubber Size — 6 3/4" \_\_\_\_\_  
Wt. Pipe I.D. — 2.7 \_\_\_\_\_ Ft. Run \_\_\_\_\_  
Drill Collar — 2.25 \_\_\_\_\_ Ft. Run \_\_\_\_\_  
Mud Wt. 9.1 lb./gal. Viscosity 47 Filtrate 8  
Tool Open @ 7:23 AM Initial Blow 1/2 weak surface blow dial to 3 minutes

Final Blow no blow - flush tool - no blow after surge

Recovery — Total Feet 1 Flush Tool? 2nd open  
Rec. 1 Feet of Mud w/ oil spuds - 1 gal  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 108 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System

(A) Initial Hydrostatic Mud 1802 PSI AK1 Recorder No. 10248 Range 4400  
(B) First Initial Flow Pressure 36 PSI @ (depth) 3658 w/Clock No. 31144  
(C) First Final Flow Pressure 36 PSI AK1 Recorder No. 13615 Range 4575  
(D) Initial Shut-In Pressure 462 PSI @ (depth) 3674 w/Clock No. 25215  
(E) Second Initial Flow Pressure 43 PSI Initial Opening 15 Test 400  
(F) Second Final Flow Pressure 43 PSI Initial Shut-In 15 Jars \_\_\_\_\_  
(G) Final Shut-In Pressure 612 PSI Final Flow 15 Safety Joint \_\_\_\_\_  
(H) Final Hydrostatic Mud 1750 PSI Final Shut-In 15 Straddle \_\_\_\_\_

Approved By \_\_\_\_\_ Sampler \_\_\_\_\_

Our Representative Paul Simpson Extra Packer \_\_\_\_\_  
Other \_\_\_\_\_

TOTAL PRICE \$ 400

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name & No.	NEWCOMER #1-7	Test No.	3	Date	8-11-88
Company	ALLEN DRILLING CO	Zone Tested	LKC 'F'		
Address	P.O. BOX 1389 GREAT BEND KS 67530	Elevation	2409KB		
Co. Rep./Geo.	JEFF ZOLLER/DUSTY RHOADES	Co.	ALLEN #1	Est. Ft. of Pay	0
Location: Sec.	7	Twp.	12S	Rge.	22W
				Co.	TREGO
				State	KS

Interval Tested	3755-3767	Drill Pipe Size	4.5 XH
Anchor Length	12	Top Choke — 1"	
Top Packer Depth	3750	Bottom Choke — 3/4"	
Bottom Packer Depth	3755	Hole Size — 7 7/8"	
Total Depth	3767	Rubber Size — 6 3/4"	
Wt. Pipe I.D. — 2.7		Ft. Run	0
Drill Collar — 2.25		Ft. Run	0
Mud Wt.	9.3	Viscosity	47
		Filtrate	8
Tool Open @	11:24PM	Initial Blow	2" BLOW BUILDING TO BOTTOM OF BUCKET IN 3, MINUTES
Final Blow	1 1/2" BLOW BUILDING TO BOTTOM OF BUCKET IN 5 MINUTES		
Recovery — Total Feet	846	Flush Tool?	N
Rec.	45	Feet of	MUDDY WATER W/OIL SCUM ON TOP
Rec.	801	Feet of	SALT WATER
Rec.	0	Feet of	
Rec.	0	Feet of	
Rec.	0	Feet of	
BHT	110 °F	Gravity	°API @ 0 °F
		Corrected Gravity	0 °API
RW	.175 @ 73.5 °F	Chlorides	41000 ppm
		Recovery Chlorides	8000 ppm
(A) Initial Hydrostatic Mud	1875.6 PSI	AK1 Recorder No.	13615
		Range	4575
(B) First Initial Flow Pressure	159.1 PSI	@ (depth)	3766
		w/Clock No.	31154
(C) First Final Flow Pressure	189.3 PSI	AK1 Recorder No.	10248
		Range	4400
(D) Initial Shut-In Pressure	677.8 PSI	@ (depth)	3761
		w/Clock No.	27561
(E) Second Initial Flow Pressure	229.4 PSI	Initial Opening	15
(F) Second Final Flow Pressure	397.6 PSI	Initial Shut-In	30
(G) Final Shut-In Pressure	676.9 PSI	Final Flow	45
(H) Final Hydrostatic Mud	1821.5 PSI	Final Shut-In	45

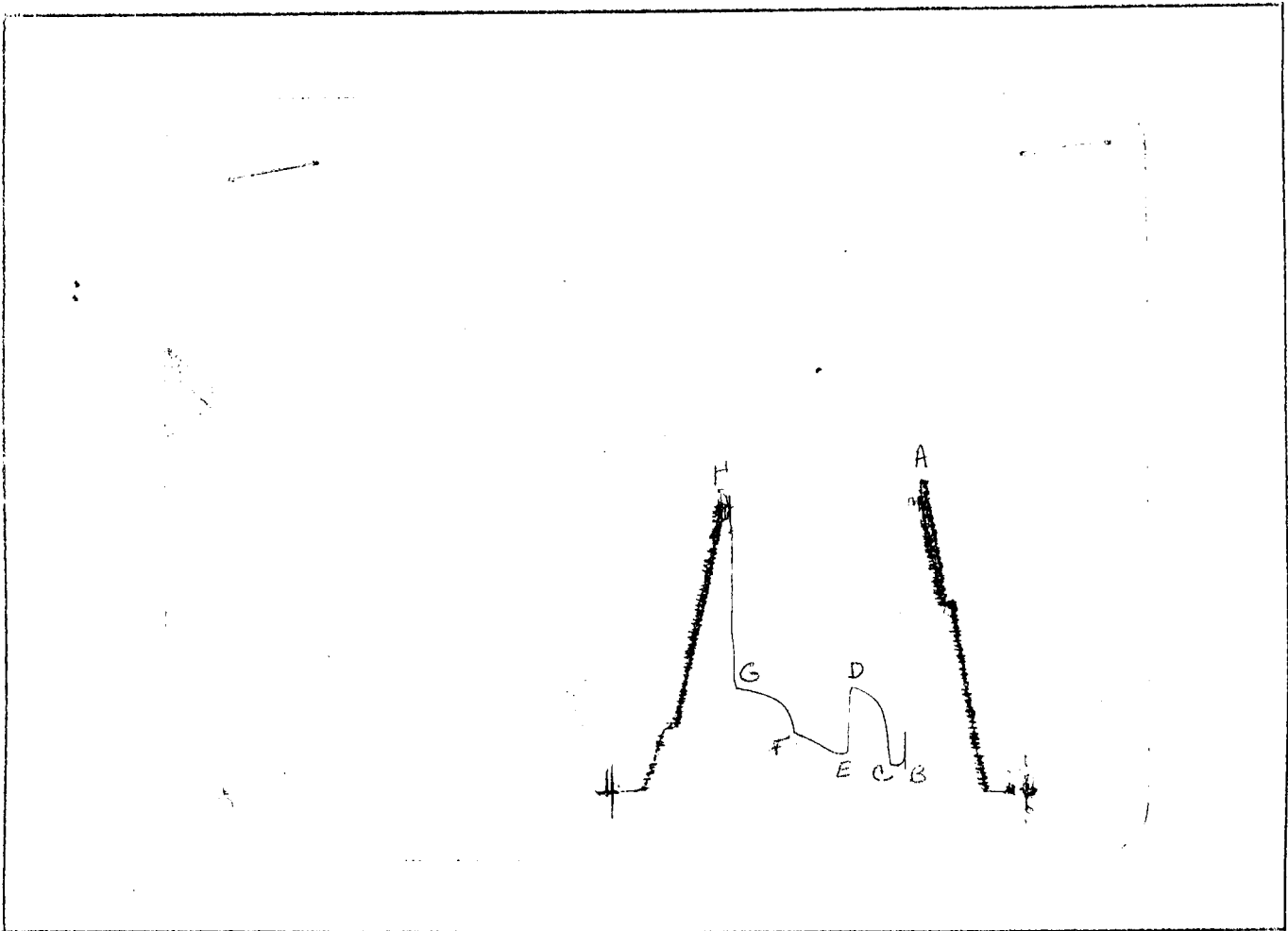
PAUL SIMPSON

400

Our Representative \_\_\_\_\_

TOTAL PRICE ..... \$ \_\_\_\_\_

Printcraft Printers - Hays, KS



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud.....	1870	1875.6	PSI
(B) First Initial Flow Pressure.....	158	159.1	PSI
(C) First Final Flow Pressure.....	191	189.3	PSI
(D) Initial Closed-in Pressure.....	673	677.08	PSI
(E) Second Initial Flow Pressure.....	236	229.4	PSI
(F) Second Final Flow Pressure.....	405	397.6	PSI
(G) Final Closed-in Pressure.....	673	676.9	PSI
(H) Final Hydrostatic Mud.....	1826	1821.5	PSI

# TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

## TEST TICKET

No. 1404

Well Name & No.	A1-D Newcomer	Test No.	3	Date	8/11/88
Company	Allen Drilling Co	Zone Tested	250' E1		
Address	P.O. Box 1359 161st Blvd N 67120	Elevation	2409		
Co. Rep./Geo.	1214 2011 Durbin	Cont.	P. 11 # 1		
Location: Sec.	7	Twp.	12	Rge.	22
		Co.	Tro	State	Ks

Interval Tested	3755-3767	Drill Pipe Size	4 1/2 XH			
Anchor Length	12	Top Choke	1"			
Top Packer Depth	3750	Bottom Choke	3/4"			
Bottom Packer Depth	3755	Hole Size	7 7/8"			
Total Depth	3767	Rubber Size	6 3/4"			
Wt. Pipe I.D. - 2.7		Ft. Run				
Drill Collar - 2.25		Ft. Run				
Mud Wt.	9.3	lb./gal.	Viscosity	4.7	Filtrate	8
Tool Open @	11:24 PM	Initial Blow	2" blow building in bottom of bucket in 3 minutes			
Final Blow	1 1/2" blow building in bottom of bucket 5 minutes					

Recovery - Total Feet	846	Flush Tool?	
Rec.	45	Feet of	Muddy water w/ oil & mud top
Rec.	801	Feet of	salt water
Rec.		Feet of	
Rec.		Feet of	
Rec.		Feet of	

BHT	110	°F Gravity		°API @		°F Corrected Gravity		°API	
RW	1175	@	73.5	°F Chlorides	11,000	ppm Recovery	Chlorides	5000	ppm System
(A) Initial Hydrostatic Mud	1800	PSI	AK1 Recorder No.	5015	Range	4575			
(B) First Initial Flow Pressure	158	PSI	@ (depth)	3766	w/Clock No.	3117			
(C) First Final Flow Pressure	191	PSI	AK1 Recorder No.	10241	Range	11400			
(D) Initial Shut-In Pressure	673	PSI	@ (depth)	3751	w/Clock No.	27561			
(E) Second Initial Flow Pressure	236	PSI	Initial Opening	15	Test	460			
(F) Second Final Flow Pressure	405	PSI	Initial Shut-In	30	Jars				
(G) Final Shut-In Pressure	673	PSI	Final Flow	45	Safety joint				
(H) Final Hydrostatic Mud	1826	PSI	Final Shut-In	45	Straddle				

Approved By		Circ. Sub	
Our Representative	Paul Simpson	Sampler	
		Extra Packer	
		Other	

TOTAL PRICE \$ 400