

## DRILL-STEM TEST DATA

**Well Name:** KALO HINEMAN #1  
**Company :** RHEEM RESOURCES INC  
**Location - Sec:** 5                      **Twp:** 19S                      **Rge:** 28W  
**County:** LANE                      **State:** KS  
**Date:** 07/14/95



TRILOBITE TESTING L.L.C.

OPERATOR : Rheem Resources Inc  
 WELL NAME: Kalo Hineman #1  
 LOCATION : 5-19S-28W, Lane County  
 INTERVAL : 4275.00 To 4290.00 ft

DATE 07/13/95  
 KB 2770.00 ft  
 GR 2765.00 ft  
 TD 4290.00 ft

TICKET NO: 8001  
 FORMATION: Kansas City  
 TEST TYPE: CONVENTIONAL

DST #1

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	AK-1	AK-1	AK-1			PF Fr. 30 to hr
SI 45 Range(Psi )	4500.0	4500.0	4500.0	0.0	0.0	IS Fr. 45 to hr
SF 45 Clock(hrs)	7452	7452	21048			SF Fr. 45 to hr
FS 60 Depth(ft )	4276.0	4276.0	4287.0	0.0	0.0	FS Fr. to 1 hr

	Field	1	2	3	4	
A. Init Hydro	2072.0	2078.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	11.0	12.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	213.0	216.0	0.0	0.0	0.0	T OPEN 2028 hr
C. In Shut-in	347.0	349.0	0.0	0.0	0.0	T PULLED 2328 hr
D. Init Flow	280.0	293.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	325.0	334.0	0.0	0.0	0.0	
F. Fl Shut-in	358.0	364.0	0.0	0.0	0.0	
G. Final Hydro	2061.0	2067.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

TOOL DATA-----

Tool Wt.	0.00 lbs
Wt Set On Packer	0.00 lbs
Wt Pulled Loose	0.00 lbs
Initial Str Wt	0.00 lbs
Unseated Str Wt	0.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	0.00 ft
H.W. I.D	2.70 in
H.W. Length	505.00 ft

RECOVERY

Tot Fluid 705.00 ft of 0.00 ft in DC and 705.00 ft in DP

125.00 ft of Watery Mud - 50% water, 50% mud

180.00 ft of Slightly Muddy Water - 90% water, 10% mud

400.00 ft of Salt Water - 100% water

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

RW .24 @ 76 F

SALINITY 26000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	46.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Blow -  
 Bottom of bucket in 8 min - fair blow

Initial Shutin -  
 Bled off blow, no return blow

Final Blow -  
 Bottom of bucket in 38 min - weak blow

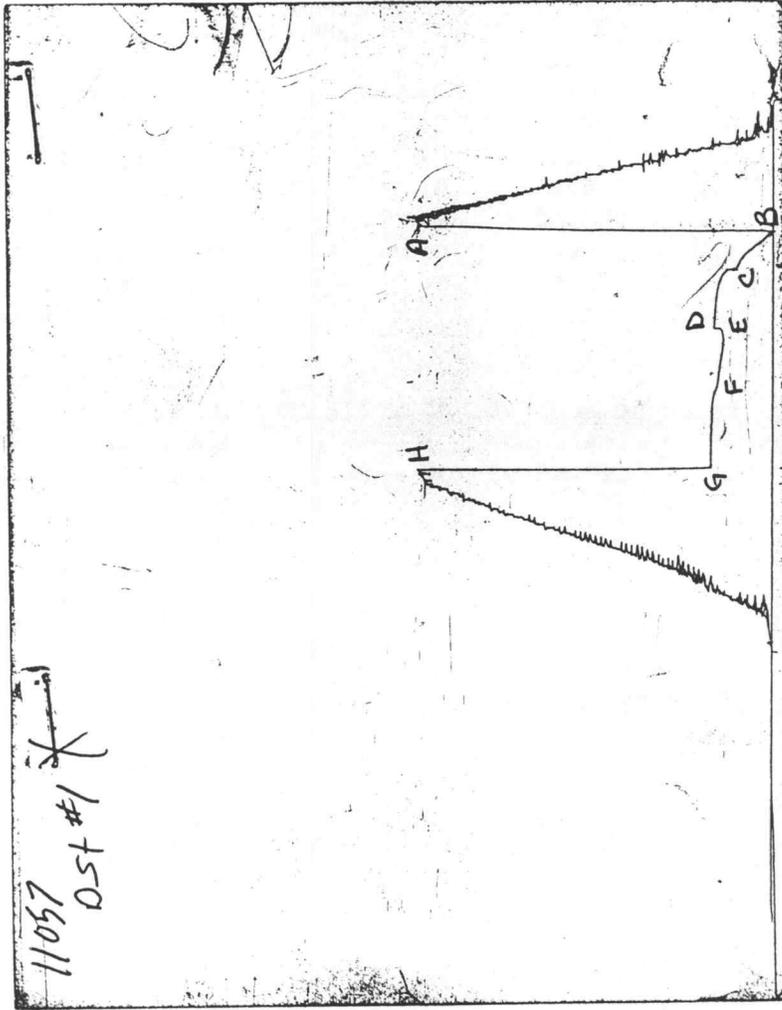
Final Shutin -  
 Bled off blow, no return blow

Amt. of fill	0.00 ft
Btm. H. Temp.	128.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Shane McBride
Co. Rep.	E.A. Oatsden
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

SAMPLES:  
 SENT TO:

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 8001

Well Name & No. <u>Kato Hineman #1</u>		Test No. <u>1</u>	Date <u>7-13-95</u>
Company <u>Rheem Resources Inc.</u>		Zone Tested <u>200' KC - Kzone</u>	
Address <u>Suite 505 100 North main Wichita, KS</u>		Elevation <u>2770 (KB) 2765 (K)</u>	
Co. Rep./Geo. <u>S.A. Oatsdean</u>		Cont. <u>A Bererombie #8</u>	
Location: Sec. <u>5</u>	Twp. <u>19S</u>	Rge. <u>28W</u>	Co. <u>LANE</u> State <u>KS</u>
No. of Copies <u>Normal</u>	Distribution Sheet	Yes <u>X</u> No	Turnkey Yes <u>X</u> No

Interval Tested <u>4275' - 4290'</u>	Drill Pipe Size <u>4 1/2 XH</u>
Anchor Length <u>15'</u>	Top Choke — 1" Bottom Choke — 3/4"
Top Packer Depth <u>4270'</u>	Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth <u>4275'</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>505'</u>
Total Depth <u>4290'</u>	Drill Collar — 2.25 Ft. Run
Mud Wt. <u>9.2</u> lb/gal.	Viscosity <u>46</u> Filtrate <u>8.8</u>

Tool Open @ 8:28 p.m. Initial Blow B.O.B. in 8 min (Fair Blow)  
F.S.I. - Bleed off Blow - No return Blow

Final Blow B.O.B. in 38 min (weak Blow)  
F.S.I. - Bleed off Blow - No return Blow

Recovery — Total Feet 705' Feet of Gas in Pipe \_\_\_\_\_ Flush Tool? NO

Rec. _____ Feet Of _____	%gas	%oil	%water	%mud
<u>125'</u> Feet Of <u>watery mud</u>			<u>50%</u>	<u>50%</u>
<u>180'</u> Feet Of <u>slightly muddy water</u>			<u>90%</u>	<u>10%</u>
<u>400'</u> Feet Of <u>salt water</u>			<u>100%</u>	
Rec. _____ Feet Of _____	%gas	%oil	%water	%mud
Rec. _____ Feet Of _____	%gas	%oil	%water	%mud

BHT 128 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW .24 @ 76 °F Chlorides 26,000 ppm Recovery Chlorides 2,000 ppm System

(A) Initial Hydrostatic Mud <u>2072</u> PSI	AK1 Recorder No. <u>11057</u>	Range <u>4500</u>
(B) First Initial Flow Pressure <u>11</u> PSI	@ (depth) <u>4276'</u>	w/Clock No. <u>7452</u>
(C) First Final Flow Pressure <u>213</u> PSI	AK1 Recorder No. <u>11058</u>	Range <u>4500</u>
(D) Initial Shut-In Pressure <u>347</u> PSI	@ (depth) <u>4287'</u>	w/Clock No. <u>21048</u>
(E) Second Initial Flow Pressure <u>280</u> PSI	AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>325</u> PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>358</u> PSI	Initial Opening <u>30</u>	Test <u>X</u> <u>600</u>
(H) Final Hydrostatic Mud <u>2061</u> PSI	Initial Shut-In <u>45</u>	Jars _____

Final Flow 45 Safety Joint X 50

Final Shut-In 60. Straddle \_\_\_\_\_

Circ. Sub X N/C

Sampler \_\_\_\_\_

Extra Packer \_\_\_\_\_

Other \_\_\_\_\_

Approved By S.A. Oatsdean

Our Representative Steve M. B...

TOTAL PRICE \$ 650

TRILOBITE TESTING L.L.C. 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.



TRILOBITE TESTING L.L.C.

OPERATOR : Rheem Resources Inc  
 WELL NAME: Kalo Hineman #1  
 LOCATION : 5-19S-28W, Lane County  
 INTERVAL : 4305.00 To 4325.00 ft

DATE 07/14/95  
 KB 2770.00 ft  
 GR 2765.00 ft  
 TD 4325.00 ft

TICKET NO: 8002  
 FORMATION: Lower Kansas City  
 TEST TYPE: CONVENTIONAL

DST #2

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	AK-1	AK-1	AK-1			PF Fr. 30 to hr
SI 30 Range(Psi )	4500.0	4500.0	4500.0	0.0	0.0	IS Fr. 30 to hr
SF 30 Clock(hrs)	7452	7452	21048			SF Fr. 30 to hr
FS 30 Depth(ft )	4306.0	43060.0	4322.0	0.0	0.0	FS Fr. 30 to hr

	Field	1	2	3	4	
A. Init Hydro	2095.0	2098.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	22.0	24.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	11.0	10.0	0.0	0.0	0.0	T OPEN 1037 hr
C. In Shut-in	392.0	387.0	0.0	0.0	0.0	T PULLED 1237 hr
D. Init Flow	11.0	14.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	11.0	14.0	0.0	0.0	0.0	
F. Fl Shut-in	381.0	381.0	0.0	0.0	0.0	
G. Final Hydro	2072.0	2076.0	0.0	0.0	0.0	
Inside/Outside	I	I	O			

TOOL DATA-----

Tool Wt.	0.00 lbs
Wt Set On Packer	0.00 lbs
Wt Pulled Loose	0.00 lbs
Initial Str Wt	0.00 lbs
Unseated Str Wt	0.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	0.00 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	0.00 ft
H.W. I.D	2.70 in
H.W. Length	505.00 ft

RECOVERY

Tot Fluid 10.00 ft of 0.00 ft in DC and 10.00 ft in DP  
 10.00 ft of Drilling Mud  
 0.00 ft of  
 0.00 ft of

RW 2.5 @ 75 F

SALINITY 2150.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	48.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Blow -  
 Weak surface blow, died in 13 min

Initial Shutin -  
 No return blow

Final Blow -  
 Bubble to open tool, no blow

Final Shutin -  
 No return blow

SAMPLES:

SENT TO:

Amt. of fill	0.00 ft
Btm. H. Temp.	116.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Shane McBride
Co. Rep.	Scott Oatsdean
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

Test Successful: Y



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 8002

Well Name & No. Kaho H. Newman #1 Test No. 2 Date 7-14-95  
 Company Rheem Resources Inc. Wichita KS Zone Tested Lower KC 200'  
 Address Suite 505 100 North Main, Wichita, KS Elevation 2770 (KB) 2765 (Gr)  
 Co. Rep./Geo. Scott Oatsdean cont. Abercrombie #8 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 5 Twp. 19S Rge. 28W Co. Lawe State KS  
 No. of Copies Normal Distribution Sheet Yes X No Turnkey Yes X No Evaluation

Interval Tested 4305' - 4325' Drill Pipe Size 4 1/2 XH  
 Anchor Length 20' Top Choke — 1" Bottom Choke — 3/4"  
 Top Packer Depth 4300' Hole Size — 7 7/8" Rubber Size — 6 3/4"  
 Bottom Packer Depth 4305' Wt. Pipe I.D. — 2.7 Ft. Run 505'  
 Total Depth 4325' Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.2+ lb/gal. Viscosity 48 Filtrate 8.8  
 Tool Open @ 10:37 AM Initial Blow Surface Blow "weak"; died in 13 min.  
F.S.I. - No return Blow  
 Final Blow Bubble to open tool - NO Blow  
F.S.I. - No return Blow.

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>10'</u>	_____	<u>No</u>
Rec. <u>10'</u> Feet Of <u>Drilg mud</u>	% gas _____ % oil _____	% water <u>100</u> % 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 116 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 2.5 @ 75 °F Chlorides 2,150 ppm Recovery Chlorides 2,000 ppm System  
 (A) Initial Hydrostatic Mud 2095 PSI AK1 Recorder No. 11057 Range 4500  
 (B) First Initial Flow Pressure 22 PSI @ (depth) 4306' w/Clock No. 7452  
 (C) First Final Flow Pressure 11 PSI AK1 Recorder No. 11058 Range 4500  
 (D) Initial Shut-In Pressure 392 PSI @ (depth) 4322' w/Clock No. 21048  
 (E) Second Initial Flow Pressure 11 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 11 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 381 PSI Initial Opening 30 Test X 600  
 (H) Final Hydrostatic Mud 2072 PSI Initial Shut-In 30 Jars \_\_\_\_\_

Final Flow 30 Safety Joint X 50  
 Final Shut-In 30 Straddle \_\_\_\_\_  
 Circ. Sub X N/C  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_

Approved By A. Oatsdean  
 Our Representative Steve M. B...

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