

15-063-21528

20-14s-30w

Well Name: Sharp A #1
Company: Rheem Resources Inc.
Location: 20-14s-30w
Gove County Kansas
Date: 1-5-99

TRILOBITE TESTING L.L.C.

OPERATOR : Rheem Resources Inc
 WELL NAME: Sharp A #1
 LOCATION : 20-14S-30W Gove KS
 INTERVAL : 4135.00 To 41550.00 ft

DATE 12-30-98

KB 2797.00 ft TICKET NO: 11369 DST #1
 GR 2792.00 ft FORMATION: L/KC 200'
 TD 4155.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13339	13339	3024			PF Fr. 1215 to 1245 hr
SI 45	Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 1245 to 1330 hr
SF 45	Clock(hrs)	12 HR	12	ALP			SF Fr. 1330 to 1415 hr
FS 60	Depth(ft)	4150.0	4150.0	4140.0	0.0	0.0	FS Fr. 1415 to 1515 hr

	Field	1	2	3	4	
A. Init Hydro	2203.0	2173.0	2113.0	0.0	0.0	T STARTED 1016 hr
B. First Flow	41.0	75.0	19.0	0.0	0.0	T ON BOTM 1213 hr
B1. Final Flow	135.0	161.0	141.0	0.0	0.0	T OPEN 1215 hr
C. In Shut-in	1030.0	1048.0	1027.0	0.0	0.0	T PULLED 1515 hr
D. Init Flow	218.0	246.0	153.0	0.0	0.0	T OUT 1715 hr
E. Final Flow	280.0	320.0	283.0	0.0	0.0	
F. Fl Shut-in	1020.0	1043.0	1014.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2103.0	2109.0	2073.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs

RECOVERY

Tot Fluid 570.00 ft of 0.00 ft in DC and 570.00 ft in DP
 150.00 ft of Muddy water
 420.00 ft of Salt water
 0.00 ft of
 0.00 ft of RW .24 @ 70 deg
 SALINITY 30000.00 P.P.M. A.P.I. Gravity 0.00

Unseated Str Wt 58000.00 lbs
 Bot Choke 0.75 in
 Hole Size 8.88 in
 D Col. ID 0.00 in
 D. Pipe ID 3.80 in
 D.C. Length 0.00 ft
 D.P. Length 3387.00 ft
 H.W. I.D 2.80 in
 H.W. Length 755.00 ft

MUD DATA-----

Mud Type	Chemical
Weight	9.40 lb/cf
Vis.	45.00 S/L
W.L.	10.00 in3
F.C.	0.00 in

Mud Drop N

BLOW DESCRIPTION

Initial Flow:
 Surface blow built to 7"
 Initial Shut-in:
 No blow
 Final Flow:
 Surface blow built to 5"
 Final Shut-in:
 No blow

Amt. of fill	0.00 ft
Btm. H. Temp.	127.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Scott Oatsdean
Contr.	Sheilds
Rig #	1
Unit #	
Pump T.	

SAMPLES:
 SENT TO:

Test Successful: Y

TEST HISTORY

11369 DST #1 Sharp A #1 Rheem Resources

Flag Points

t (Min.)	P (PSig)
A: 0.00	2113.68
B: 0.00	19.75
C: 32.00	141.06
D: 45.00	1027.02
E: 0.00	153.01
F: 44.00	203.01
G: 61.00	1014.60
Q: 0.00	2073.98

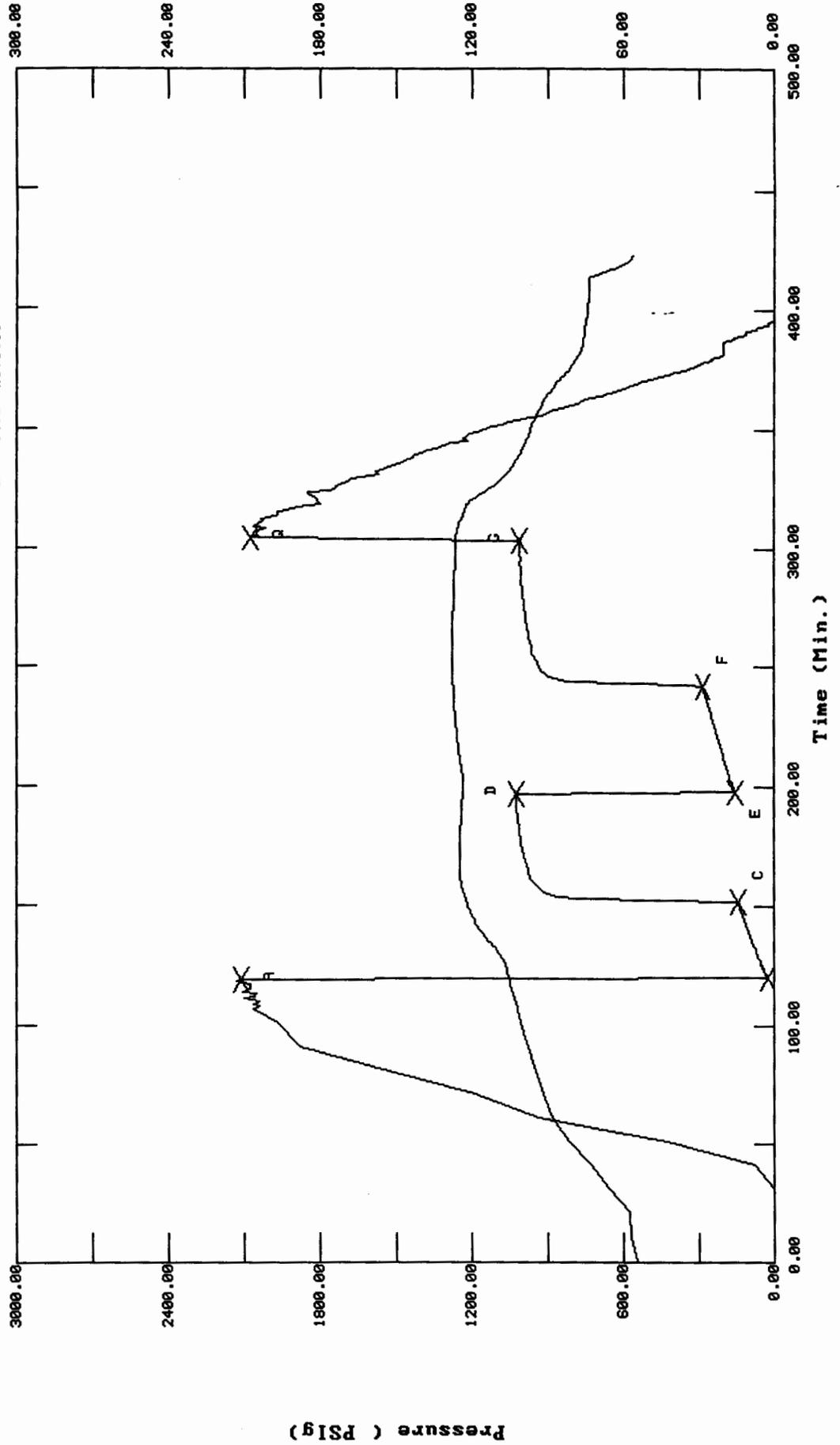
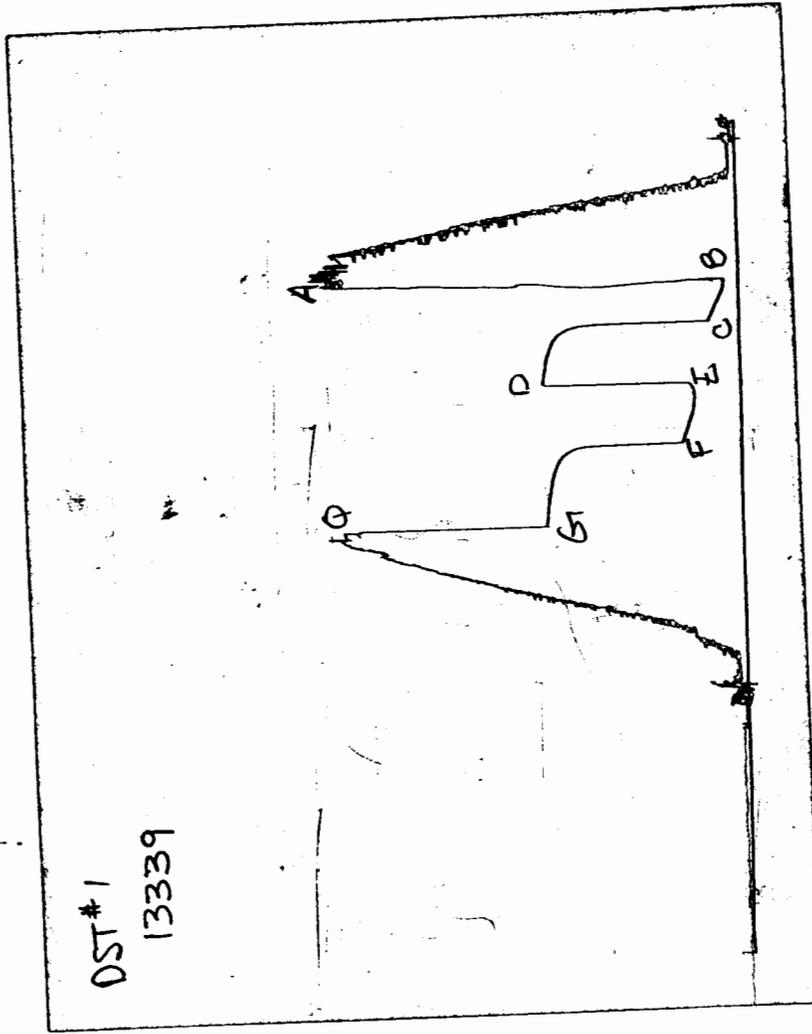


CHART PAGE



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

Well Name Shop A #1
DST Number 1
Recorder Number 13339

A:	<u>2.150</u>	<u>2173</u>
B:	<u>.073</u>	<u>75</u>
C:	<u>.155</u>	<u>161</u>
D:	<u>1.028</u>	<u>1048</u>
E:	<u>.237</u>	<u>246</u>
F:	<u>.308</u>	<u>320</u>
G:	<u>1.023</u>	<u>1043</u>
Q:	<u>2.086</u>	<u>2109</u>

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11369

Well Name & No. <u>Sharp A #1</u>	Test No. <u>1</u>	Date <u>12-30-98</u>
Company <u>Rheem Resources Inc.</u>	Zone Tested <u>L/KC 200'</u>	
Address <u>100 S Main Ste 505 Wichita, KS. 67202-3738</u>	Elevation <u>2797</u>	KB <u>2792</u> GL
Co. Rep / Geo. <u>Scott Oatsdean</u>	Cont. <u>Sheilds #1</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>20</u>	Twp. <u>14^S</u>	Rge. <u>30^W</u> Co. <u>Gove</u> State <u>KS.</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>4135 - 4155</u>	Initial Str Wt./Lbs. <u>56,000</u>	Unseated Str Wt./Lbs. <u>58,000</u>
Anchor Length <u>20'</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>65,000</u>
Top Packer Depth <u>4130</u>	Tool Weight <u>1,800</u>	
Bottom Packer Depth <u>4135</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>4155</u>	Wt. Pipe Run <u>FH 755' (P)</u>	Drill Collar Run _____
Mud Wt. <u>9.4</u> LCM _____ Vis. <u>45</u> WL <u>10.0</u>	Drill Pipe Size <u>4 1/2" XH</u>	Ft. Run <u>3387 (55)</u>
Blow Description <u>IF: Surface blow built to 7"</u>		
<u>ISI: No blow</u>		
<u>FF: Surface blow built to 5"</u>		
<u>FST: No blow</u>		

Recovery — Total Feet <u>570'</u>	GIP <u>—</u>	Ft. in DC <u>—</u>	Ft. in DP <u>570'</u>
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. <u>150'</u> Feet Of <u>MW</u>	%gas _____	%oil _____	%water _____ %mud _____
Rec. <u>420'</u> Feet Of <u>SW</u>	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____	%oil _____	%water _____ %mud _____

BHT 127° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW .24 @ 70° °F Chlorides 30,000 ppm Recovery Chlorides 3,100 ppm System

(A) Initial Hydrostatic Mud <u>2203</u>	<u>2113</u> PSI	Recorder No. <u>3024</u>	T-Started <u>1016</u>
(B) First Initial Flow Pressure <u>41</u>	<u>19</u> PSI	(depth) <u>4140</u>	T-Open <u>1215</u>
(C) First Final Flow Pressure <u>135</u>	<u>141</u> PSI	Recorder No. <u>13339</u>	T-Pulled <u>1520</u>
(D) Initial Shut-in Pressure <u>1030</u>	<u>1027</u> PSI	(depth) <u>4150</u>	T-Out <u>1715</u>
(E) Second Initial Flow Pressure <u>218</u>	<u>153</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure <u>280</u>	<u>283</u> PSI	(depth) _____	
(G) Final Shut-in Pressure <u>1020</u>	<u>1014</u> PSI	Initial Opening <u>30</u>	Test <u>700</u>
(H) Final Hydrostatic Mud <u>2103</u>	<u>2073</u> PSI	Initial Shut-in <u>45</u>	Jars _____

AK-1 Mech Alp Elec

Final Flow 45 Safety Joint X 50

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.

Approved By Scott A. Oatsdean

Our Representative Rod Steinbrink

Final Shut-in 60 Straddle _____

on loc. 0815 Circ. Sub X NIC

off loc. 1800 Sampler _____

Extra Packer _____

Elect. Rec. _____

Other _____

TOTAL PRICE \$ 750

TRILOBITE TESTING L.L.C.

OPERATOR : Rheem Resources Inc
 WELL NAME: Sharp A #1
 LOCATION : 20-14S-30W
 INTERVAL : 4350.00 To 4380.00 ft

DATE 1-1-99
 KB 2797.00 ft TICKET NO: 11370 DST #2
 GR 2792.00 ft FORMATION: Myrick Station
 TD 4380.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	3024			PF Fr. 0007 to 0037 hr
SI 45 Range (Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 0037 to 0122 hr
SF 45 Clock (hrs)	12HR	12	ALP			SF Fr. 0122 to 0207 hr
FS 60 Depth (ft)	4375.0	4375.0	4355.0	0.0	0.0	FS Fr. 0207 to hr

	Field	1	2	3	4	
A. Init Hydro	2243.0	2270.0	2220.0	0.0	0.0	T STARTED 2155 hr
B. First Flow	228.0	241.0	153.0	0.0	0.0	T ON BOTM 0005 hr
B1. Final Flow	395.0	403.0	408.0	0.0	0.0	T OPEN 0007 hr
C. In Shut-in	793.0	755.0	753.0	0.0	0.0	T PULLED hr
D. Init Flow	509.0	523.0	434.0	0.0	0.0	T OUT hr
E. Final Flow	589.0	616.0	584.0	0.0	0.0	
F. Fl Shut-in	699.0	769.0	697.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2203.0	2218.0	2173.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 75000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 62000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 3602.00 ft
						H.W. I.D 2.80 in
						H.W. Length 755.00 ft

RECOVERY

Tot Fluid 1570.00 ft of 0.00 ft in DC and 1570.00 ft in DP
 815.00 ft of Clean gassy oil
 515.00 ft of Clean gassy oil 10% gas 90% oil
 240.00 ft of Gassy mud cut oil 10% gas 55% oil 35% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:
 Fair to strong blow off bottom in 1 min
 Initial Shut-in:
 Surface blow return off bottom in 3 mins.
 Final Flow:
 Fair to strong blow off bottom in 2 mins.
 Final Shut-in:
 Weak return built to bottom in 11 mins.

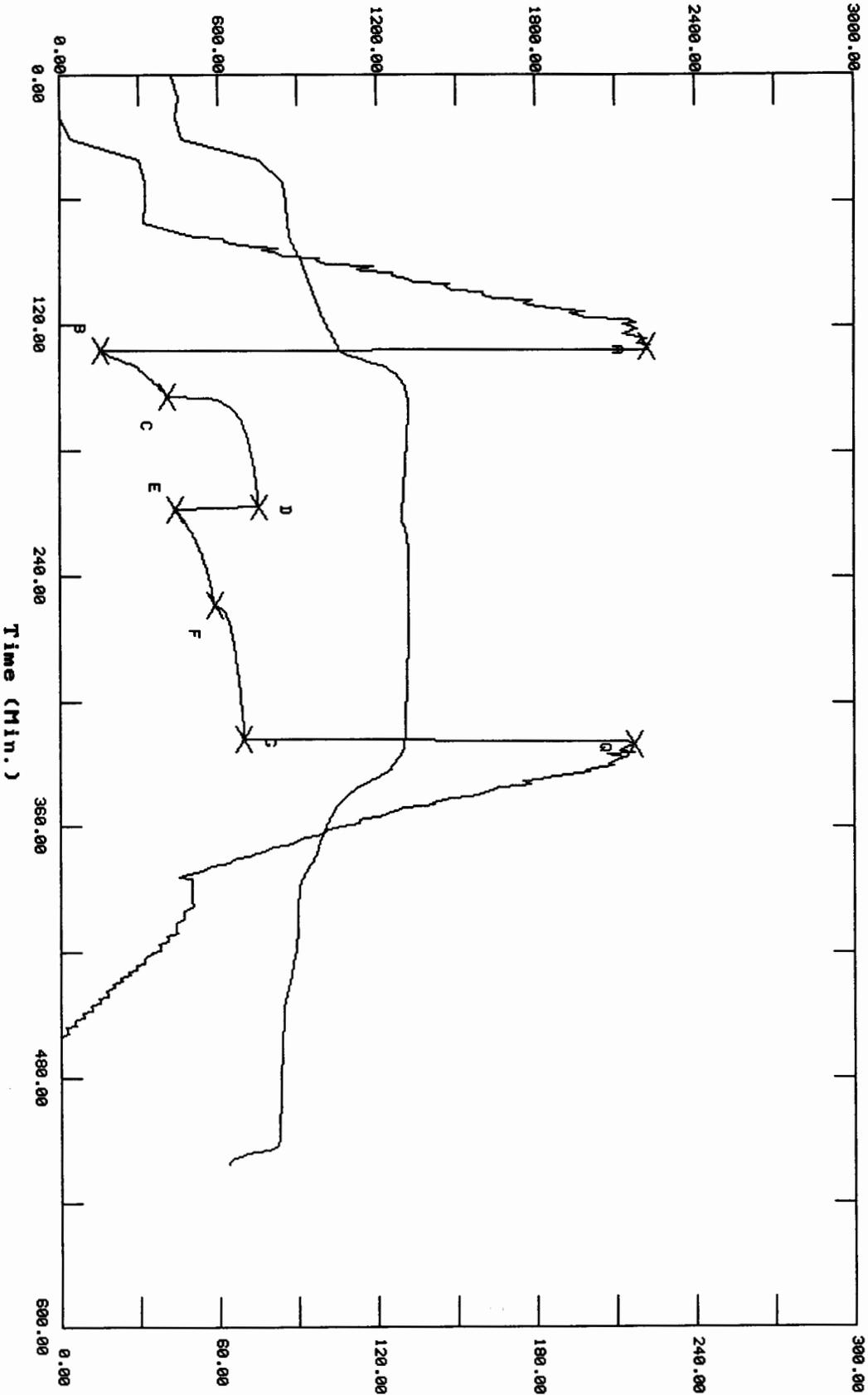
SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.70 lb/cf
 Vis. 45.00 S/L
 W.L. 10.80 in3
 F.C. 0.00 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 0.00 F
 Hole Condition Good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Rod Steinbrink
 Co. Rep. Scott Oatsdean
 Contr. Sheilds
 Rig # 1
 Unit #
 Pump T.

Test Successful:

TEST HISTORY

11370 DST #2 Sharp A #1 Rheem Resources



Temperature (DEG F)

Pressure (PSig)

Time (Min.)

Well Name Sharp A #1

DST Number 2

Recorder Number 13339

A: 2270

B: .232 241

C: .388 403

D: .736 755

E: .504 523

F: .576 1616

G: .688 769

Q: 2.195 2218

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11370

Well Name & No.	<u>Sharp A #1</u>	Test No.	<u>2</u>	Date	<u>1-1-99</u>
Company	<u>Rheem Resources, Inc.</u>	Zone Tested	<u>Myrik Station</u>		
Address	<u>100 S Main Ste 505 Wichita KS 67202-3138</u>		Elevation	<u>2797</u>	KB <u>2792</u> GL
Co. Rep / Geo.	<u>Scott Oatsdean</u>	Cont.	<u>Shields #1</u>	Est. Ft. of Pay	Por. %
Location: Sec.	<u>20</u>	Twp.	<u>14^s</u>	Rge.	<u>30^w</u>
			Co.	<u>Gove</u>	State <u>KS.</u>
No. of Copies	Distribution Sheet (Y, N)	<u>N</u>	Turnkey (Y, N)	<u>N</u>	Evaluation (Y, N)

Interval Tested	<u>4350 - 4380</u>	Initial Str Wt./Lbs.	<u>58,000</u>	Unseated Str Wt./Lbs.	<u>62,000</u>
Anchor Length	<u>30'</u>	Wt. Set Lbs.	<u>30,000</u>	Wt. Pulled Loose/Lbs.	<u>75,000</u>
Top Packer Depth	<u>4345</u>	Tool Weight	<u>1,800</u>		
Bottom Packer Depth	<u>4350</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>4380</u>	Wt. Pipe Run <u>XH</u>	<u>755' (12)</u>	Drill Collar Run	<u>—</u>
Mud Wt.	<u>9.7</u> LCM	Vis.	<u>45</u>	WL	<u>10.8</u>
		Drill Pipe Size	<u>4 1/2" FH</u>	Ft. Run	<u>360.2' (58.1)</u>

Blow Description IF: Fair to strong blow off btm in 1 min.
ISI: Surface blow return off btm in 3 mins
FF: Fair to strong blow off btm in 2 mins
FSI: GTS while bleeding off

Recovery — Total Feet	<u>1570'</u>	GIP	<u>GTS - FSI</u>	Ft. in DC	<u>—</u>	Ft. in DP	<u>1570'</u>				
Rec.	<u>DP - 815'</u>	Feet Of	<u>CGO</u>	%gas		%oil		%water		%mud	
Rec.	<u>WP - 515'</u>	Feet Of	<u>CGO</u>	<u>10</u>	%gas	<u>90</u>	%oil	<u>—</u>	%water	<u>—</u>	%mud
Rec.		Feet Of		%gas		%oil		%water		%mud	
Rec.	<u>WP - 240'</u>	Feet Of	<u>GMCO</u>	<u>10</u>	%gas	<u>55</u>	%oil		%water	<u>35</u>	%mud
Rec.		Feet Of		%gas		%oil		%water		%mud	

BHT 132° °F Gravity 34 °API D@ 40° °F Corrected Gravity 36 °API
RW @ °F Chlorides ppm Recovery Chlorides 3,200 ppm System

(A) Initial Hydrostatic Mud	<u>2243</u>	<u>2220</u>	PSI	Recorder No.	<u>3024</u>	T-Started	<u>2155</u>
(B) First Initial Flow Pressure	<u>228</u>	<u>153</u>	PSI	(depth)	<u>4355</u>	T-Open	<u>0007</u>
(C) First Final Flow Pressure	<u>345</u>	<u>408</u>	PSI	Recorder No.	<u>13339</u>	T-Pulled	<u>0255</u>
(D) Initial Shut-in Pressure	<u>793</u>	<u>753</u>	PSI	(depth)	<u>4375</u>	T-Out	<u>0645</u>
(E) Second Initial Flow Pressure	<u>509</u>	<u>434</u>	PSI	Recorder No.	<u>—</u>		
(F) Second Final Flow Pressure	<u>589</u>	<u>584</u>	PSI	(depth)	<u>—</u>		
(G) Final Shut-in Pressure	<u>699</u>	<u>697</u>	PSI	Initial Opening	<u>20</u>	Test	<u>700</u>
(H) Final Hydrostatic Mud	<u>22.03</u>	<u>2173</u>	PSI	Initial Shut-in	<u>45</u>	Jars	

Alk-1 Mech Alp Elec. Final Flow 45 Safety Joint X 50

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.

Final Shut-in 60 Straddle
on loc 2130 Circ. Sub X NIC
off loc 0700 Sampler

Approved By Scott A Oatsdean
Our Representative Rod Steinbrink

Extra Packer
Elect. Rec.
Other
TOTAL PRICE \$ 750

TRILOBITE TESTING L.L.C.

OPERATOR : Rheem Resources Inc DATE 1-2-99
 WELL NAME: Sharp A #1 KB 2797.00 ft TICKET NO: 11371 DST #3
 LOCATION : 20-14S-30W Gove KS GR 2792.00 ft FORMATION: FtScott/Cher/John
 INTERVAL : 4405.00 To 4475.00 ft TD 4475.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13339	13339	3024			PF Fr. 2242 to 2312 hr
SI 45 Range(Psi)	4025.0	4025.0	4995.0	0.0	0.0	IS Fr. 2312 to 2357 hr
SF 45 Clock(hrs)	12 HR	12	ALP			SF Fr. 2357 to 0042 hr
FS 60 Depth(ft)	4470.0	4470.0	4410.0	0.0	0.0	FS Fr. 0042 to 0142 hr

	Field	1	2	3	4	
A. Init Hydro	2303.0	2312.0	2228.0	0.0	0.0	T STARTED 2050 hr
B. First Flow	104.0	114.0	22.0	0.0	0.0	T ON BOTM 2240 hr
B1. Final Flow	124.0	114.0	86.0	0.0	0.0	T OPEN 2242 hr
C. In Shut-in	1000.0	997.0	988.0	0.0	0.0	T PULLED 0142 hr
D. Init Flow	155.0	163.0	92.0	0.0	0.0	T OUT 0415 hr
E. Final Flow	176.0	170.0	143.0	0.0	0.0	
F. Fl Shut-in	859.0	969.0	970.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2223.0	2227.0	2157.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 58000.00 lbs
						Unseated Str Wt 58000.00 lbs
						Bot Choke 0.75 in
						Hole Size 8.88 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 2.80 in
						H.W. Length 755.00 ft

RECOVERY

Tot Fluid 270.00 ft of 0.00 ft in DC and 270.00 ft in DP
 150.00 ft of Gas in pipe
 150.00 ft of Slight gassy oil cut mud 25%Gas 15%Oil 60%Mud
 120.00 ft of Slight gassy oily water cut mud
 0.00 ft of 10%Gas 20%Oil 10%Water 60%Mud
 0.00 ft of
 SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	46.00 S/L
W.L.	9.60 in3
F.C.	0.00 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	119.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Rod Steinbrink
Co. Rep.	Scott Oatsdean
Contr.	Sheilds
Rig #	1
Unit #	
Pump T.	

BLOW DESCRIPTION

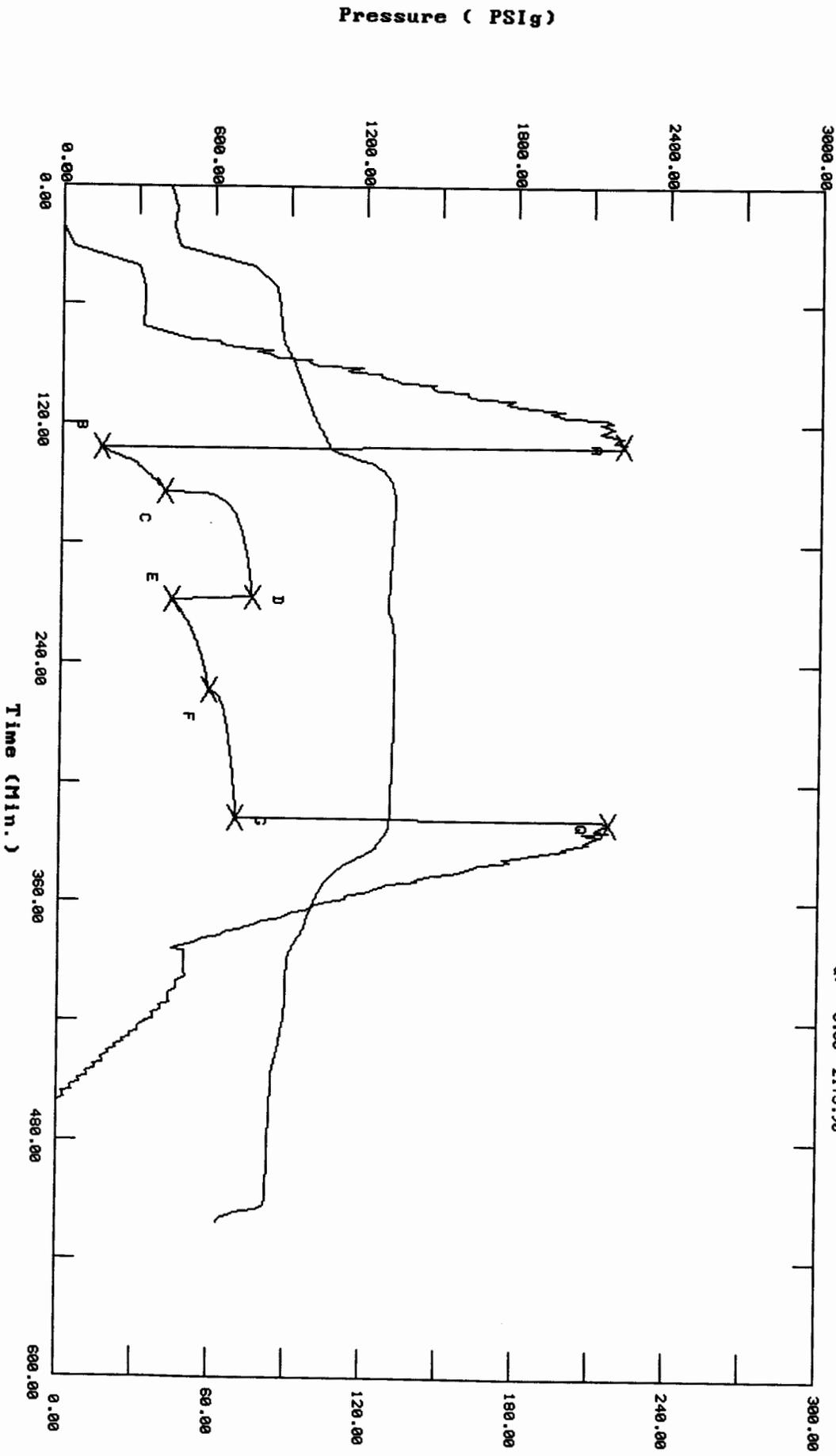
IF; Weak to fair blow off bttm in 25 mins.
 ISI; No return blow
 FF; Weak to fair blow built to 10"
 FSI; No return blow

SAMPLES:
 SENT TO:

Test Successful: Y

TEST HISTORY

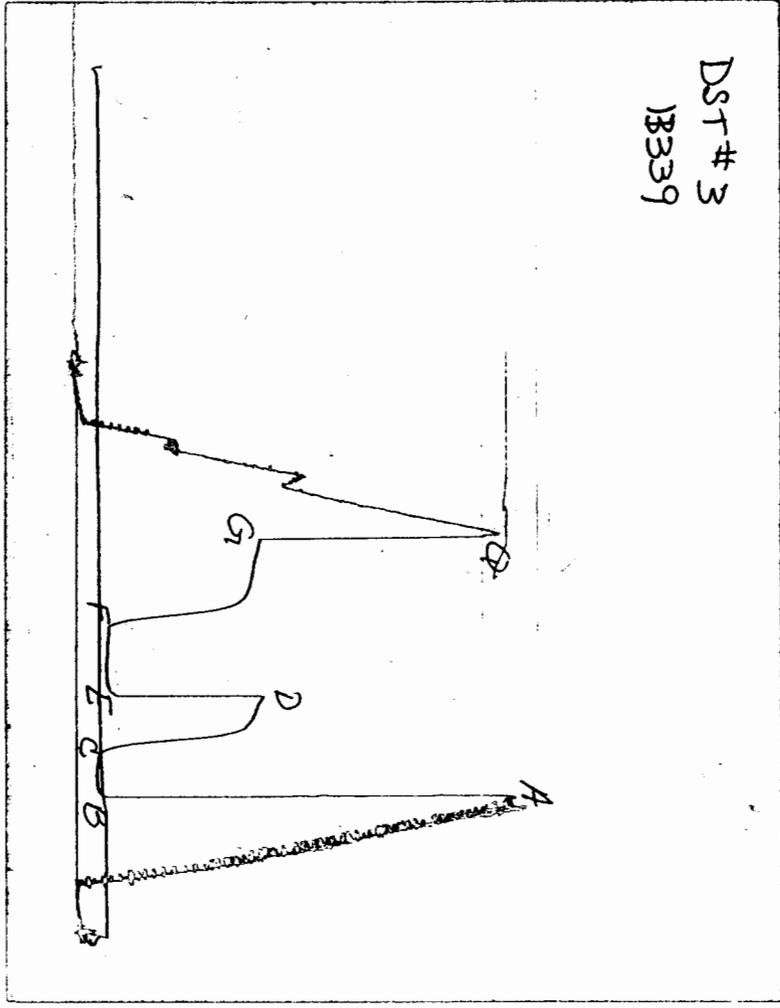
11370 DST #2 Sharp A #1 Rheem Resources



Flag Points

CHART PAGE

DST # 3
1B339



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

Well Name Sharp A#1
DST Number 3
Recorder Number 13339

A:	<u>2289</u>	<u>2310</u>
B:	<u>.111</u>	<u>114</u>
C:	<u>.111</u>	<u>114</u>
D:	<u>.977</u>	<u>997</u>
E:	<u>.137</u>	<u>163</u>
F:	<u>.164</u>	<u>170</u>
G:	<u>.950</u>	<u>169</u>
Q:	<u>2204</u>	<u>2227</u>

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11371

Well Name & No. Sharp A #1 Test No. 3 Date 1-3-99
 Company Rheem Resources, Inc. Zone Tested H. Scott - Cher - John
 Address 100 S. Main Ste 505 Wichita, KS. 67202-3138 Elevation 2797 KB 2792 GL
 Co. Rep / Geo. Scott Oatsdean Cont. Sheilds #1 Est. Ft. of Pay Por. %
 Location: Sec. 20 Twp. 14^S Rge. 30^W Co. Gove State KS.
 No. of Copies Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N)

Interval Tested 4405 - 4475 Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 58,000
 Anchor Length 70' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 70,000
 Top Packer Depth 4400 Tool Weight 1,800
 Bottom Packer Depth 4405 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 4475 Wt. Pipe Run XH 755' (12) Drill Collar Run
 Mud Wt. 9.3 LCM Vis. 46 WL 9.6 Drill Pipe Size 4 1/2" FH Ft. Run 3635' (59)
 Blow Description IF: Weak to fair blow off bttm in 25 mins.
ISI: No return blow
FF: Weak blow built to 10"
FSI: No return blow.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
<u>270'</u>	<u>150'</u>	<u> </u>	<u>270'</u>				
Rec. <u>150'</u>	Feet Of <u>SGDCM</u>	<u>25</u>		<u>15</u>	<u> </u>	<u>60</u>	<u> </u>
Rec. <u>120'</u>	Feet Of <u>SGOWCM</u>	<u>10</u>		<u>20</u>	<u> </u>	<u>60</u>	<u> </u>
Rec. <u> </u>	Feet Of <u> </u>						

BHT 119° °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 3,800 ppm System

(A) Initial Hydrostatic Mud	<u>2303</u>	<u>2228</u> PSI	Recorder No. <u>3024</u>	T-Started <u>2050</u>
(B) First Initial Flow Pressure	<u>104</u>	<u>22</u> PSI	(depth) <u>4410</u>	T-Open <u>2242</u>
(C) First Final Flow Pressure	<u>124</u>	<u>86</u> PSI	Recorder No. <u>13339</u>	T-Pulled <u>0142</u>
(D) Initial Shut-in Pressure	<u>1000</u>	<u>988</u> PSI	(depth) <u>4470</u>	T-Out <u>0415</u>
(E) Second Initial Flow Pressure	<u>155</u>	<u>92</u> PSI	Recorder No. <u> </u>	
(F) Second Final Flow Pressure	<u>176</u>	<u>143</u> PSI	(depth) <u> </u>	
(G) Final Shut-in Pressure	<u>859</u>	<u>970</u> PSI	Initial Opening <u>30</u>	Test <u>700</u>
(H) Final Hydrostatic Mud	<u>2223</u>	<u>2157</u> PSI	Initial Shut-in <u>45</u>	Jars <u> </u>

Ak-I Mech Alp Elec.

Final Flow 45 Safety Joint X 50
 Final Shut-in 60 Straddle
on loc 2030 Circ. Sub X N/C
off loc. 0515 Sampler

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Approved By Scott A Oatsdean

Our Representative Rod Steinbrink

Extra Packer
 Elect. Rec.
 Other
 TOTAL PRICE \$ 750