

24-29-14W

# Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902 *KB 1960*

Date 5-15-06 Location 24-29-14W Elevation 1952 County PRATT

Company RAMA Operating Co. INC. Number of Copies 5

Parts Mailed to P.O. Box 159 Stafford KS 67578

Drilling Contractor Sterling Drilling Rig #4  
Length Drill Pipe 1923 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

Length Weight Pipe NONE I.D. Weight Pipe \_\_\_\_\_ Tool Joint Size \_\_\_\_\_

Length Drill Collars 240 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 2178 Bottom Packer Depth 2183 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 2183 TO 2258 ANCHOR LENGTH 75 TOTAL DEPTH 2258 Hole Size 7 7/8

Case & Well No. Andrews # 6-24 FORMATION TESTED Winfield-Towanda TEST NO. 2

Mud Weight 9.2 Viscosity 44 Water Loss 11.2 Chlorides - Pits 58000 D.S.T. \_\_\_\_\_

Maximum Temp. 90 °F Initial Hydrostatic Pressure (A) 1166 P.S.I. Final Hydrostatic Pressure (H) 1135 P.S.I.

Tool Open I.F.P. from 7:40 m to 8:10 m 30 min

from [B] <u>117</u> P.S.I. to [C] <u>151</u> P.S.I.
[D] <u>646</u> P.S.I.
from [E] <u>138</u> P.S.I. to [F] <u>153</u> P.S.I.
[G] <u>717</u> P.S.I.

Tool Closed I.C.I.P. from 8:10 m to 8:40 m 30 min

Tool Open F.F.P. from 8:40 m to 9:25 m 45 min

Tool Closed F.C.I.P. from 9:25 m to 9:55 m 30 min

Initial Blow Weak building blow bottom 5 gallon bucket in 14 minutes

Final Blow bottom 5 gallon bucket less 1 minutes gas to surface in 12

Total Feet Recovered 2605 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_

85 Feet of Drilling mud % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

60 Feet of Gassy water cut drilling mud 20 % Gas \_\_\_\_\_ % Oil 50 % Mud 30 % Water \_\_\_\_\_

120 Feet of Gassy water cut mud 10 % Gas \_\_\_\_\_ % Oil 5 % Mud 85 % Water \_\_\_\_\_

0 Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Remarks \_\_\_\_\_

Extra Equipment - Jars \_\_\_\_\_ Safety Joint \_\_\_\_\_ Extra Packer \_\_\_\_\_ Straddle \_\_\_\_\_ Hook Wall \_\_\_\_\_

Top Recorder No. 4005 Clock No. electronic Depth 2254 Cir. Sub \_\_\_\_\_ Sampler \_\_\_\_\_

Bottom Recorder No. 7895 Clock No. 3439 Depth 2258 Insurance \_\_\_\_\_

Price of Job \_\_\_\_\_

Tool Operator NATHAN MANKING

Approved By \_\_\_\_\_ No. 14366

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of 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.

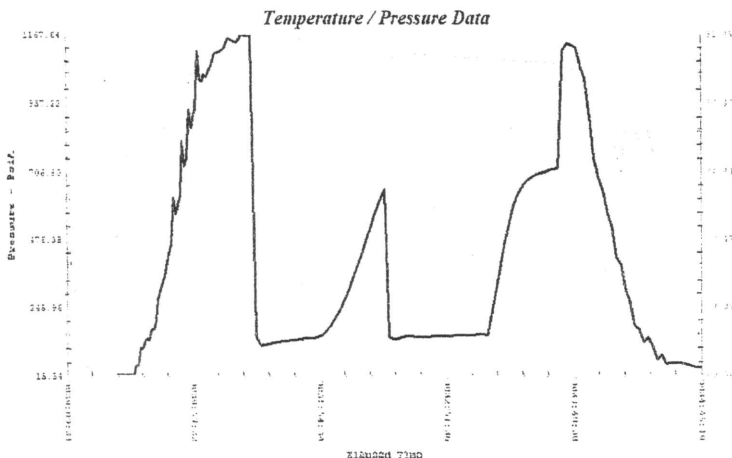
# SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: RAMA OPERATING COMPANY INC. Lease & Well No. ANDREWS #6-24 Test #: 1 Date: 05-15-2006  
 SEC. 24 TWP. 29S RGE. 14W 1330 FSL 800 FEL B2 SE 15-151-22238



1	Initial Hydrostatic Pressure	1166
2	Initial Flow Pressure	117
3	Final Initial Flow Pressure	151
4	Initial Shut-In Pressure	646
5	Initial Final Flow Pressure	138
6	Final Flow Pressure	153
7	Final Shut-In Pressure	717
8	Final Hydrostatic Pressure	1135

Maximum Temperature 90

### GENERAL INFORMATION

COMPANY NAME .... RAMA OPERATING COMPANY INC.	
TEST DATE .... 5/15/06	LEASE AND WELL NUMBER ..... ANDREWS #6-24
SECTION-TOWN-RANGE .... 24-29S-14W	FORMATION TESTED ..... WINFEILD-TOWANDA
STATE .... KANSAS	DRILL STEM TEST NUMBER ..... 1
COUNTY .... PRATT	REPORT NUMBER ..... 14366
ELEVATION GROUND LEVEL .... 1952	ELEVATION KELLY BUSHINGS ..... 1960
COMPANY REPRESENTATIVE .... JOSH	TESTING ENGINEER ..... NATHAN MANRING

### TOOL SETTING INFORMATION

TEST INTERVAL (From) .... 2183	TOP PACKER DEPTH ..... 2178
TEST INTERVAL (to) .... 2258	BOTTOM PACKER DEPTH ..... 2183
ANCHOR LENGTH .... 75	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) .... 2258	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

### FLOW TIMES

TOOL OPEN (from) .... 7:40	TOOL OPEN (from) ..... 8:40
INITIAL OPEN TOOL OPEN (to) .... 8:10	FINAL OPEN TOOL OPEN (to) ..... 9:25
DURATION (min.) .... 30	DURATION (min.) ..... 45
TOOL CLOSED (from) .... 8:10	TOOL CLOSED (from) ..... 9:25
INITIAL SHUT-IN TOOL CLOSED (to) .... 8:40	FINAL SHUT-IN TOOL CLOSED (to) ..... 9:55
DURATION (min.) .... 30	DURATION (min.) ..... 30

### INITIAL FLOW

WEAK BUILDING BLOW BOTTOM OF 5 GALLON BUCKET IN 14 MINUTES

### FINAL FLOW

STRONG BLOW BOTTOM 5 GALLON BUCKET LESS THAN 1 MINUTES GAS TO SURFACE IN 12 SEE GAS FLOW REPORTS

FEET OF Recovery	RECOVERY DESCRIPTION	RESISTIVITY AT DEGREES		CHLORIDES			
		% GAS	% OIL	% MUD	% WATER		
1) 85	DRILLING MUD						
2) 60	GASSY WATER CUT MUD	20		50		30	
3) 120	GASSY WATER CUT MUD	10		5		85	
4)							
5)							

# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (800)792-6902

### GENERAL INFORMATION

COMPANY NAME	RAMA OPERATING COMPANY INC.	LEASE AND WELL NUMBER	ANDREWS #6-24
TEST DATE	5/15/06	FORMATION TESTED	WINFEILD-TOWANDA
SECTION-TOWN-RANGE	24-29S-14W	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	14366
COUNTY	PRATT	ELEVATION KELLY BUSHINGS	1960
ELEVATION GROUND LEVEL	1952	TESTING ENGINEER	NATHAN MANNING
COMPANY REPRESENTATIVE	JOSH		

### EXTRA EQUIPMENT

JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	NO	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	NO	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO
	35 MILES ROUND TRIP FROM	PRATT	
TOP RECORDER DEPTH	2254	BOTTOM RECORDER DEPTH	2255
RECORDER NUMBER	91981	RECORDER NUMBER	6463

### WELL INFORMATION

DRILLING CONTRACTOR	STERLING DRILLING RIG #4		
DRILL PIPE LENGTH	1933	DRILL COLLAR LENGTH	240
DRILL PIPE I.D.	3.8	DRILL COLLAR I.D.	2.25
TOOL JOINT SIZE	4 1/2 X.H.	TOOL JOINT SIZE	4 1/2 X.H.
WEIGHT PIPE LENGTH	NONE	MUD WEIGHT #GAL	9.2
WEIGHT PIPE I.D.	3.25	VISCOSITY	44
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	11.2
		CHLORIDES-PITS	58.00
		CHLORIDES-OST	

### COMMENTS

# SUPERIOR TESTERS ENTERPRISES L.L.C.

GREAT BEND, KANSAS

## GAS FLOW RATE

(800) 792-6902

#

STATE..... KANSAS

Test Date ..... 1/0/1900

COUNTY..... PRATT

Sec Town Range ..... 24-29S-14W

FIELD.....

Report Number ..... 44308

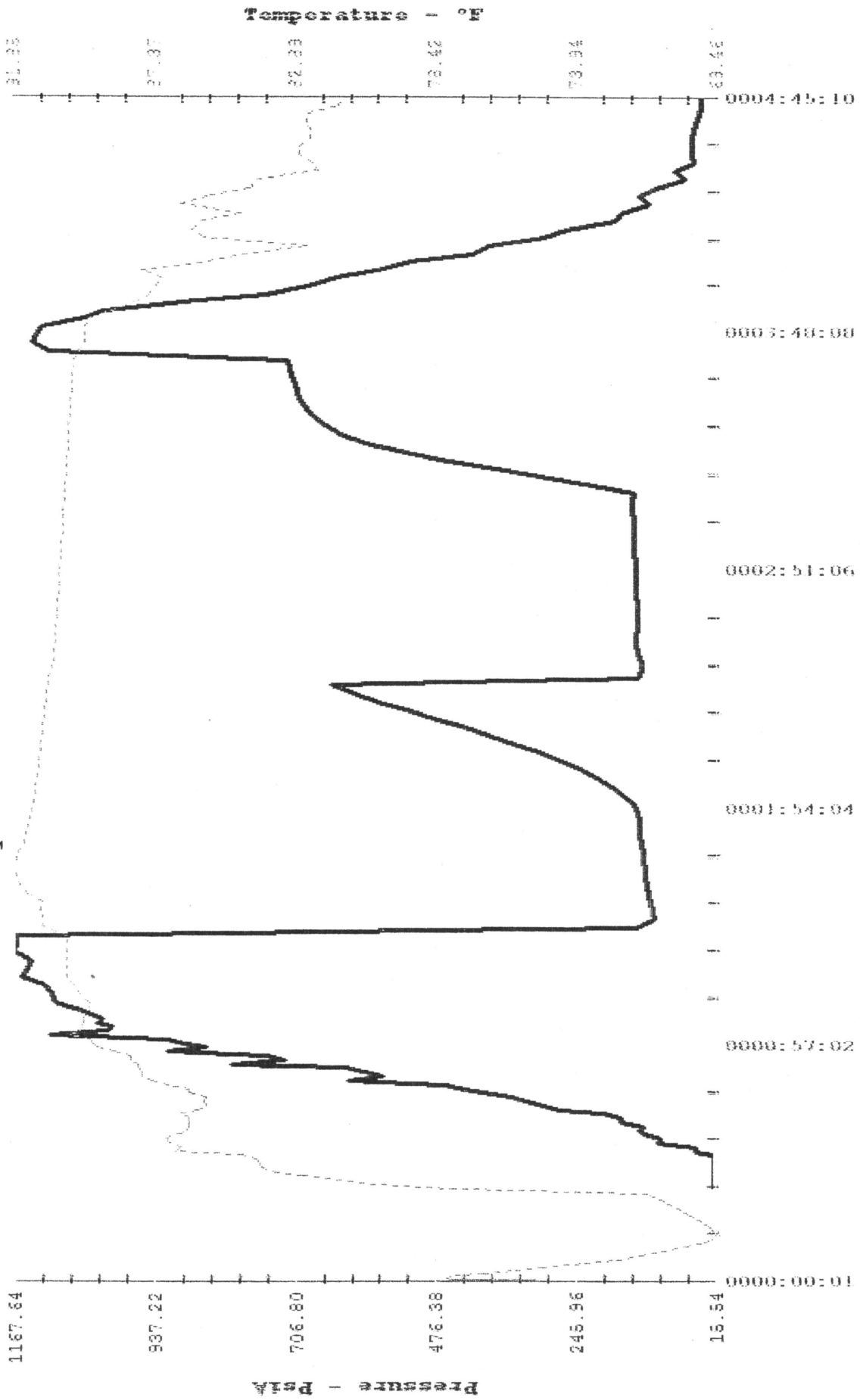
### Initial Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
GAS TO SURFACE SEND OFFERING							
<div style="font-size: 2em; font-weight: bold;">K</div> <div style="font-size: 1.5em; font-weight: bold;">SECOND</div>							

### Final Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
STRONG BLOW	8:52	0	3			1/4	2.920
GAS TO	9:02	10	36			1/4	10.100
SURFACE IN	9:12	10	56			1/4	12.600
12 MINUTES	9:22	10	74			1/4	14.400
	9:25	3	86			1/4	15.500

# Temperature / Pressure Data



# Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902 KB 1960

Date 5-16-06 Location 24-29<sup>s</sup> 14<sup>w</sup> Elevation 1952 County PRATT

Company RAMA Operating Company Inc Number of Copies 5

Charts Mailed to P.O. Box 159 Stafford KS 67578

Drilling Contractor Sterling Drilling Rig #4

Length Drill Pipe 1997 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

Length Weight Pipe NONE I.D. Weight Pipe \_\_\_\_\_ Tool Joint Size \_\_\_\_\_

Length Drill Collars 240 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 2252 Bottom Packer Depth 2257 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 2257 TO 2433 ANCHOR LENGTH 176 TOTAL DEPTH 2433 Hole Size 7 1/4

LEASE & WELL NO. Andrews #6-24 FORMATION TESTED Fort Riley TEST NO. 2

Mud Weight 9.2 Viscosity 44 Water Loss 11.2 Chlorides - Pits 58/1000 D.S.T. \_\_\_\_\_

Maximum Temp. 90 °F Initial Hydrostatic Pressure (A) 1279 P.S.I. Final Hydrostatic Pressure (H) 1275 P.S.I.

Tool Open I.F.P. from 1:00 m to 1:30 m 30 min

Tool Closed I.C.I.P. from 1:30 m to 2:00 m 30 min

Tool Open F.F.P. from 2:00 m to 2:30 m 30 min

Tool Closed F.C.I.P. from 2:30 m to 3:00 m 30 min

from [B] <u>147</u> P.S.I. to [C] <u>220</u> P.S.I.
[D] <u>764</u> P.S.I.
from [E] <u>226</u> P.S.I. to [F] <u>265</u> P.S.I.
[G] <u>761</u> P.S.I.

Initial Blow Fair blow bottom of 5 gallon bucket in 5 minutes

Final Blow Fair blow bottom of 5 gallon bucket in 3 minutes

Total Feet Recovered 320 Gravity of Oil \_\_\_\_\_ Corrected

260 Feet of gas water cut mud 15 % Gas 65 % Oil 20 % Mud \_\_\_\_\_ % Water

60 Feet of gas water cut mud 10 % Gas 70 % Oil 20 % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Remarks \_\_\_\_\_

Extra Equipment - Jars \_\_\_\_\_ Safety Joint \_\_\_\_\_ Extra Packer \_\_\_\_\_ Straddle \_\_\_\_\_ Hook Wall \_\_\_\_\_

Top Recorder No. 4005 Clock No. electronic Depth 2429 Cir. Sub \_\_\_\_\_ Sampler \_\_\_\_\_

Bottom Recorder No. 7895 Clock No. 3435 Depth 2430 Insurance \_\_\_\_\_

Price of Job \_\_\_\_\_

Tool Operator NATHAN MANKIN/G

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

No 14367

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to 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.

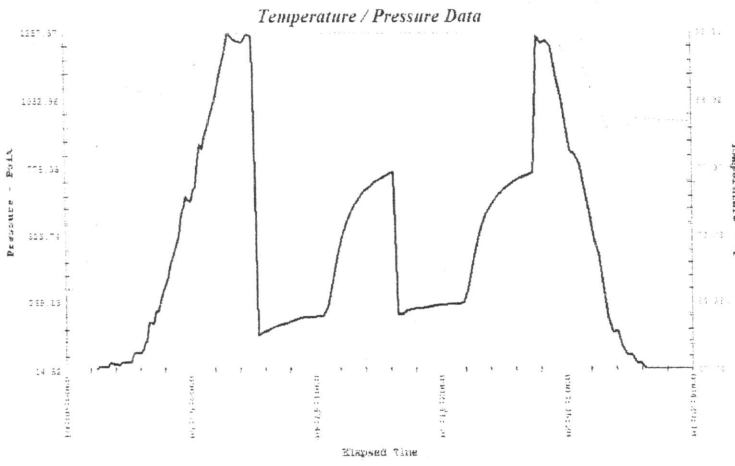
# SUPERIOR TESTERS ENTERPRISES L.L.C.

(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: RAMA OPERATING COMPANY INC.    SEC. 24 TWP. 29S RGE. 14W    Lease & Well No. ANDREWS #6-24    Test #: 2    Date: 05-16-2006



1	Initial Hydrostatic Pressure	1279
2	Initial Flow Pressure	147
3	Final Initial Flow Pressure	220
4	Initial Shut-In Pressure	746
5	Initial Final Flow Pressure	226
6	Final Flow Pressure	265
7	Final Shut-In Pressure	761
8	Final Hydrostatic Pressure	1275
	Maximum Temperature	90

### GENERAL INFORMATION

COMPANY NAME ..... RAMA OPERATING COMPANY LLC.	
TEST DATE ..... 5/16/06	LEASE AND WELL NUMBER ..... ANDREWS #6-24
SECTION-TOWN-RANGE ..... 24-29S-14W	FORMATION TESTED ..... FORT RILEY
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 2
COUNTY ..... PRATT	REPORT NUMBER ..... 14367
ELEVATION GROUND LEVEL ..... 1952	ELEVATION KELLY BUSHINGS ..... 1960
COMPANY REPRESENTATIVE ..... JOSH	TESTING ENGINEER ..... NATHAN MANRING

### TOOL SETTING INFORMATION

TEST INTERVAL (From) ..... 2257	TOP PACKER DEPTH ..... 2252
TEST INTERVAL (to) ..... 2433	BOTTOM PACKER DEPTH ..... 2257
ANCHOR LENGTH ..... 176	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) ..... 2433	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

### FLOW TIMES

TOOL OPEN (from) ..... 1:00	TOOL OPEN (from) ..... 2:00
INITIAL OPEN TOOL OPEN (to) ..... 1:30	FINAL OPEN TOOL OPEN (to) ..... 2:30
DURATION (min.) ..... 30	DURATION (min.) ..... 30
TOOL CLOSED (from) ..... 1:30	TOOL CLOSED (from) ..... 2:30
INITIAL SHUT-IN TOOL CLOSED (to) ..... 2:00	FINAL SHUT-IN TOOL CLOSED (to) ..... 3:00
DURATION (min.) ..... 30	DURATION (min.) ..... 30

INITIAL FLOW      FAIR BLOW BOTTOM OF 5 GALLON BUCKEY IN 5 MINUTES

FINAL FLOW      FAIR BLOW BOTTOM OF 5 GALLON BUCKEY IN 3 MINUTES

FEET OF Recovery	RESISTIVITY AT DEGREES	RECOVERY DESCRIPTION	CHLORIDES			
			% GAS	% OIL	% MUD	% WATER
1) 260		GAS WATER CUT MUD	15		65	20
2) 60		GAS WATER CUT MUD	10		70	20
3)						
4)						
5)						

# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

### GENERAL INFORMATION

COMPANY NAME .....	RAMA OPERATING COMPANY LLC.	LEASE AND WELL NUMBER .....	ANDREWS #6-24
TEST DATE .....	5/16/06	FORMATION TESTED .....	FORT RILEY
SECTION-TOWN-RANGE .....	24-29S-14W	DRILL STEM TEST NUMBER .....	2
STATE .....	KANSAS	REPORT NUMBER .....	14367
COUNTY .....	PRATT	ELEVATION KELLY BUSHINGS .....	1960
ELEVATION GROUND LEVEL .....	1952	TESTING ENGINEER .....	NATHAN MANRING
COMPANY REPRESENTATIVE .....	JOSH		

### EXTRA EQUIPMENT

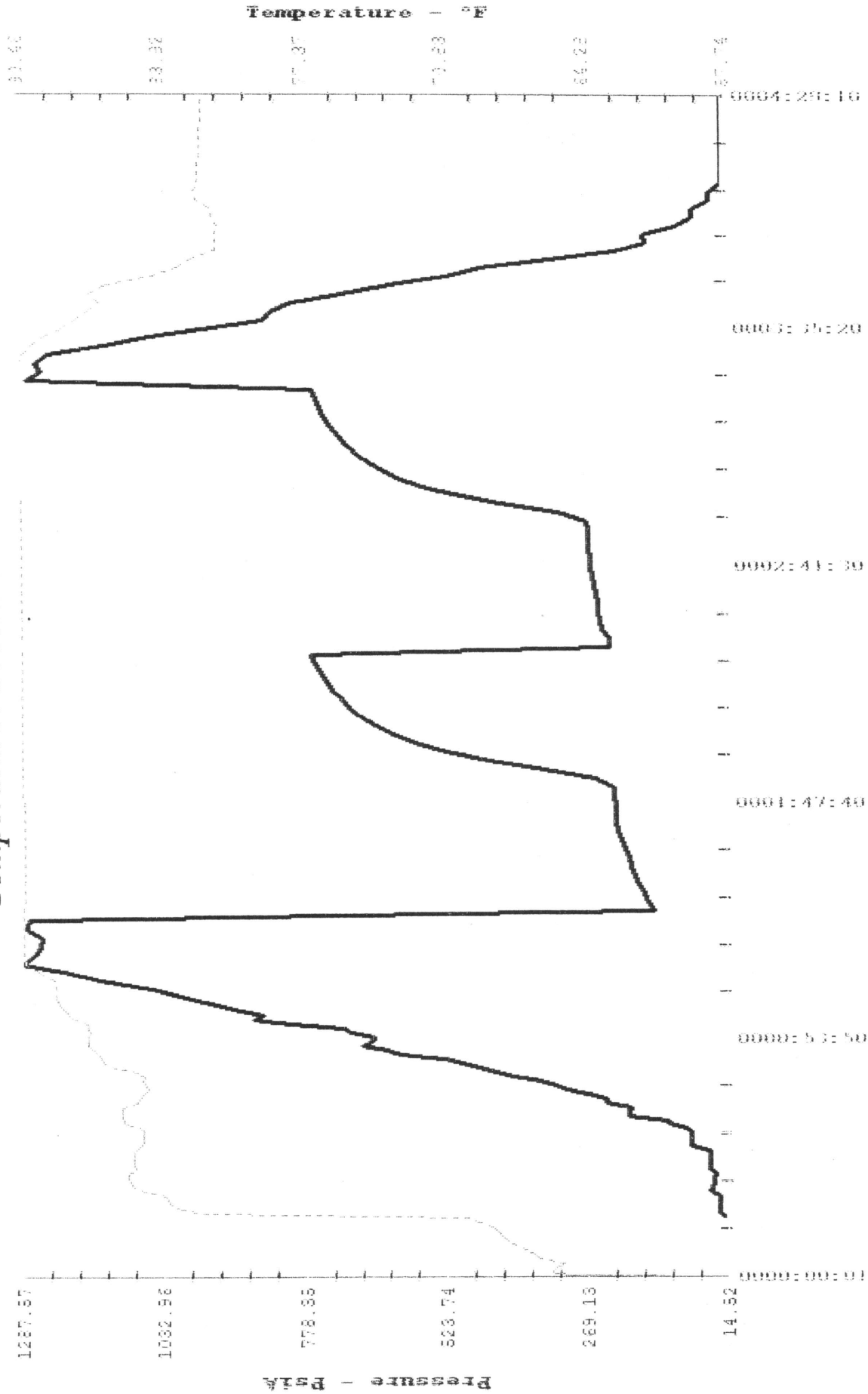
WELLS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	NO	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	NO	STRADDLE	NO
CIRCULATING SUB	NO	HOCK WALL	NO
		SAMPLER	NO
		PRATT	
TOP RECORDER DEPTH .....	2429	BOTTOM RECORDER DEPTH .....	2430
RECORDER NUMBER .....	91981	RECORDER NUMBER .....	5463

### WELL INFORMATION

DRILLING CONTRACTOR .....	STERLING DRILLING INC		
DRILL PIPE LENGTH .....	1897	DRILL COLLAR LENGTH .....	240
DRILL PIPE I.D. ....	3.8	DRILL COLLAR I.D. ....	2.25
TOOL JOINT SIZE .....	4 1/2 X.H.	TOOL JOINT SIZE .....	4 1/2 X.H.
WEIGHT PIPE LENGTH .....	NONE	MUD WEIGHT #GAL .....	82
WEIGHT PIPE I.D. ....	2.25	VISCOSITY .....	44
TOOL JOINT SIZE .....	4 1/2 X.H.	WATER LOSS .....	11.2
		CHLORIDES-PITS .....	58,000
		CHLORIDES-DST .....	

### COMMENTS

# Temperature / Pressure Data



# Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902 KB 194

Date 5-18-04 Location 24-295-14<sup>w</sup> Elevation 1952 County PRATT  
 Company RAMA operating company INC Number of Copies 5

Charts Mailed to P.O. Box 159 Stafford KS 67578

Drilling Contractor Sterling Drilling Rig #4  
 Length Drill Pipe 3069 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

Length Weight Pipe NONE I.D. Weight Pipe \_\_\_\_\_ Tool Joint Size \_\_\_\_\_  
 Length Drill Collars 240 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3324 Bottom Packer Depth 3329 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3329 TO 3365 ANCHOR LENGTH 36 TOTAL DEPTH 3365 Hole Size 7 7/8  
 LEASE & WELL NO. ANDREWS # 6-24 FORMATION TESTED severy - Top km TEST NO. 3

Mud Weight 9.1 Viscosity 43 Water Loss 8.8 Chlorides - Pits 4/1000 D.S.T. \_\_\_\_\_  
 Maximum Temp. 105 °F Initial Hydrostatic Pressure (A) 11696 P.S.I. Final Hydrostatic Pressure (H) 1608 P.S.I.

Tool Open I.F.P. from 4:13 m to 4:43 m 30 min

Tool Closed I.C.I.P. from 4:43 m to 5:43 m 60 min

Tool Open F.F.P. from 5:43 m to 6:28 m 45 min

Tool Closed F.C.I.P. from 6:28 m to 7:28 m 60 min

from [B]	<u>397</u>	P.S.I. to [C]	<u>533</u>	P.S.I.
[D]	<u>1248</u>			P.S.I.
from [E]	<u>524</u>	P.S.I. to [F]	<u>840</u>	P.S.I.
[G]	<u>1247</u>			P.S.I.

Initial Blow strong blow bottom s/gallon bucket less than 1 min gas to surface in 2 min.

Final Blow strong blow see gas flow reports

Total Feet Recovered 1620 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_

60 Feet of trace oil gas mud cut water 10 % Gas trace % Oil 30 % Mud 60 % Water

60 Feet of GAS Pocket 100 % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

60 Feet of gas oil mud cut water 5 % Gas 15 % Oil 15 % Mud 65 % Water

240 Feet of trace oil gas mud cut water 10 % Gas trace % Oil 10 % Mud 80 % Water

1200 Feet of ~~water~~ slightly gas cut water \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Remarks 7 hours standby time

Extra Equipment - Jars \_\_\_\_\_ Safety Joint \_\_\_\_\_ Extra Packer \_\_\_\_\_ Straddle \_\_\_\_\_ Hook Wall \_\_\_\_\_

Top Recorder No. 4005 Clock No. electronic Depth 3361 Cir. Sub \_\_\_\_\_ Sampler \_\_\_\_\_  
 Bottom Recorder No. 7895 Clock No. 3439 Depth 3362 Insurance \_\_\_\_\_

Price of Job \_\_\_\_\_  
 Tool Operator NATHAN MANRING  
 Approved By \_\_\_\_\_  
 No 14368

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of 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.

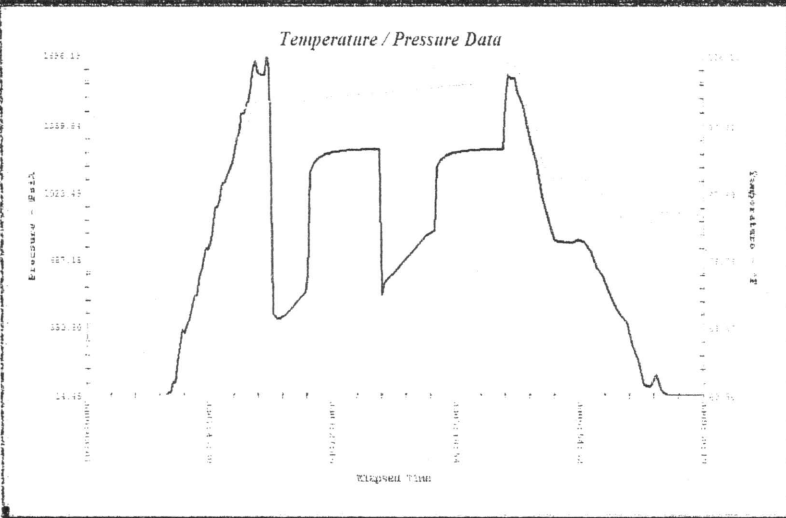
# SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: RAMA OPERATING COMPANY LLC. SEC. 24 TWP. 29S RGE. 14W Lease & Well No. ANDREWS #6-24 Est. #: 3 Date: 05-18-2006



1	Initial Hydrostatic Pressure	1696
2	Initial Flow Pressure	397
3	Final Initial Flow Pressure	533
4	Initial Shut-In Pressure	1248
5	Initial Final Flow Pressure	524
6	Final Flow Pressure	840
7	Final Shut-In Pressure	1247
8	Final Hydrostatic Pressure	1608
	Maximum Temperature	105

### GENERAL INFORMATION

COMPANY NAME .....		RAMA OPERATING COMPANY LLC.	
TEST DATE .....	5/18/06	LEASE AND WELL NUMBER .....	ANDREWS #6-24
SECTION-TOWN-RANGE .....	24-29S-14W	FORMATION TESTED .....	SEVERY-TOPEKA
STATE .....	KANSAS	DRILL STEM TEST NUMBER .....	3
COUNTY .....	PRAIT	REPORT NUMBER .....	14368
ELEVATION GROUND LEVEL .....	1952	ELEVATION KELLY BUSHINGE .....	1960
COMPANY REPRESENTATIVE .....	JOSH	TESTING ENGINEER .....	NATHAN MANRING

### TOOL SETTING INFORMATION

TEST INTERVAL (From) .....	3329	TOP PACKER DEPTH .....	3324
TEST INTERVAL (to) .....	3365	BOTTOM PACKER DEPTH .....	3329
ANCHOR LENGTH .....	36	NUMBER OF PACKERS .....	2
TOTAL DEPTH (ft) .....	3365	PACKER SIZE .....	6 3/4
		HOLE SIZE .....	7 7/8

### FLOW TIMES

TOOL OPEN (from) .....	4:13	TOOL OPEN (from) .....	5:43
INITIAL OPEN TOOL OPEN (to) .....	4:43	FINAL OPEN TOOL OPEN (to) .....	6:28
DURATION (min.) .....	30	DURATION (min.) .....	45
TOOL CLOSED (from) .....	4:43	TOOL CLOSED (from) .....	6:28
INITIAL SHUT-IN TOOL CLOSED (to) .....	5:43	FINAL SHUT-IN TOOL CLOSED (to) .....	7:28
DURATION (min.) .....	60	DURATION (min.) .....	60

INITIAL FLOW STRONG BLOW BOTTOM 5 GALLON BUCKET LESS THAN 1 MINUTE GAS TO SURFACE IN 2 MINUTES

FINAL FLOW STRONG BLOW SEE GAS FLOW REPORTS

RESISTIVITY .08 AT 58 DEGREES CHLORIDES /12000

FEET OF Recovery	RECOVERY		CHLORIDES			
	1620	DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 60		TRACE OIL GAS MUD CUT WATER	10	TRACE	30	60
2) 60		GAS POCKET	100			
3) 60		GAS OIL MUD CUT WATER	5	15	15	65
4) 240		TRACE OIL GAS MUD CUT WATER	10	TRACE	10	80
5) 1200		SLIGHTLY GASSY WATER				100

# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (800)792-6902

### GENERAL INFORMATION

COMPANY NAME ..... RAMA OPERATING COMPANY LLC.	LEASE AND WELL NUMBER ..... ANDREWS #6-24
TEST DATE ..... 5/18/06	FORMATION TESTED ..... SEVERY-TOPEKA
SECTION-TOWN-RANGE ..... 24-29S-14W	DRILL STEM TEST NUMBER ..... 3
STATE ..... KANSAS	REPORT NUMBER ..... 14368
COUNTY ..... PRATT	ELEVATION KELLY BUSHINGS ..... 1960
ELEVATION GROUND LEVEL ..... 1952	TESTING ENGINEER ..... NATHAN MANNING
COMPANY REPRESENTATIVE ..... JOSH	

### EXTRA EQUIPMENT

IABP ..... NO SAFETY JOINT ..... NO ELECTRONIC RECORDER ..... NO CIRCULATING SUB ..... NO TOP RECORDER DEPTH ..... RECORDER NUMBER ..... 91981	EXTRA PACKER (SRD) ..... NO EXTRA PACKER (ATH) ..... NO STRADDLE ..... NO HOOK WALL ..... NO SAMPLER ..... NO 35 MILES ROUND TRIP FROM PRATT BOTTOM RECORDER DEPTH ..... 1 RECORDER NUMBER ..... 5483
---	--

### WELL INFORMATION

DRILLING CONTRACTOR ..... STERLING DRILLING RIG #4 DRILL PIPE LENGTH ..... 3660 DRILL PIPE I.D. .... 3.8 TOOL JOINT SIZE ..... 4 1/2 X.H. WEIGHT PIPE LENGTH ..... NONE WEIGHT PIPE I.D. .... 2.25 TOOL JOINT SIZE ..... 4 1/2 X.H.	DRILL COLLAR LENGTH ..... 340 DRILL COLLAR I.D. .... 2.25 TOOL JOINT SIZE ..... 4 1/2 X.H. MUD WEIGHT #/GAL ..... 9.1 VISCOSITY ..... 43 WATER LOSS ..... 9.9 CHLORIDES-PITS ..... 4,000 CHLORIDES-DET .....
---	---

### COMMENTS

# SUPERIOR TESTERS ENTERPRISES L.L.C.

GREAT BEND, KANSAS

## GAS FLOW RATE

(800) 792-6902

#

STATE.....	KANSAS	Test Date .....	1/0/1900
COUNTY.....	PRATT	Sec Town Range .....	24-29S-14W
FIELD.....		Report Number .....	14368

### Initial Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
STRONG BLOW	4:15	0	36			1 1/4	264.000
GAS TO	4:25	10	28			1 1/4	233.000
SURFACE IN	4:35	10	22			1 1/4	206.000
2 MINUTES	4:43	8	16			1 1/4	176.000

### Final Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
STRONG BLOW	5:53					1 1/4	248.000
ONLY	6:03					1 1/4	116.000
TRHEE	6:13					1 1/4	107.000
READING WERE TAKEN BEFORE WATER CAME TO SURFACE							
GAS SAMPLE WAS TAKEN DURING FINAL SHUT IN							

# Temperature / Pressure Data



# Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902 *KB 1960*

Date 5-20-06 Location 24-29S-14W Elevation 1952 County MATT

Company PAMA OPERATING COMPANY INC Number of Copies 5

Charts Mailed to PO BOX 159 STAFFORD KS 67578

Drilling Contractor STERLING DRILLING RIG #4

Length Drill Pipe 3448 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

Length Weight Pipe None I.D. Weight Pipe \_\_\_\_\_ Tool Joint Size \_\_\_\_\_

Length Drill Collars 240 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3703 Bottom Packer Depth 3708 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3708 TO 3720 ANCHOR LENGTH 12 TOTAL DEPTH 3720 Hole Size 7 7/8

LEASE & WELL NO. Andrews # 6-24 FORMATION TESTED TORONTO TEST NO. 4

Mud Weight 9.4 Viscosity 52 Water Loss 8.8 Chlorides - Pits 7,000 D.S.T. \_\_\_\_\_

Maximum Temp. \_\_\_\_\_ °F Initial Hydrostatic Pressure (A) \_\_\_\_\_ P.S.I. Final Hydrostatic Pressure (H) \_\_\_\_\_ P.S.I.

Tool Open I.F.P. from \_\_\_\_\_ m to \_\_\_\_\_ m \_\_\_\_\_ min

Tool Closed I.C.I.P. from \_\_\_\_\_ m to \_\_\_\_\_ m \_\_\_\_\_ min

Tool Open F.F.P. from \_\_\_\_\_ m to \_\_\_\_\_ m \_\_\_\_\_ min

Tool Closed F.C.I.P. from \_\_\_\_\_ m to \_\_\_\_\_ m \_\_\_\_\_ min

Initial Blow PACKET FAILURE

Final Blow \_\_\_\_\_

Total Feet Recovered \_\_\_\_\_ Gravity of Oil \_\_\_\_\_ Corrected

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Remarks MISSRUN COME OUT OF HOLE CHANGE ANCHOR

Extra Equipment - Jars \_\_\_\_\_ Safety Joint \_\_\_\_\_ Extra Packer \_\_\_\_\_ Straddle \_\_\_\_\_ Hook Wall \_\_\_\_\_

Top Recorder No. 4005 Clock No. electronic Depth 3710 Cir. Sub \_\_\_\_\_ Sampler \_\_\_\_\_

Bottom Recorder No. 7895 Clock No. 3439 Depth 3717 Insurance \_\_\_\_\_

Price of Job \_\_\_\_\_

Tool Operator NATHAN MANKING

Approved By NO

14369

from [B] \_\_\_\_\_ P.S.I. to [C] \_\_\_\_\_ P.S.I.  
[D] \_\_\_\_\_ P.S.I.  
from [E] \_\_\_\_\_ P.S.I. to [F] \_\_\_\_\_ P.S.I.  
[G] \_\_\_\_\_ P.S.I.

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to 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.

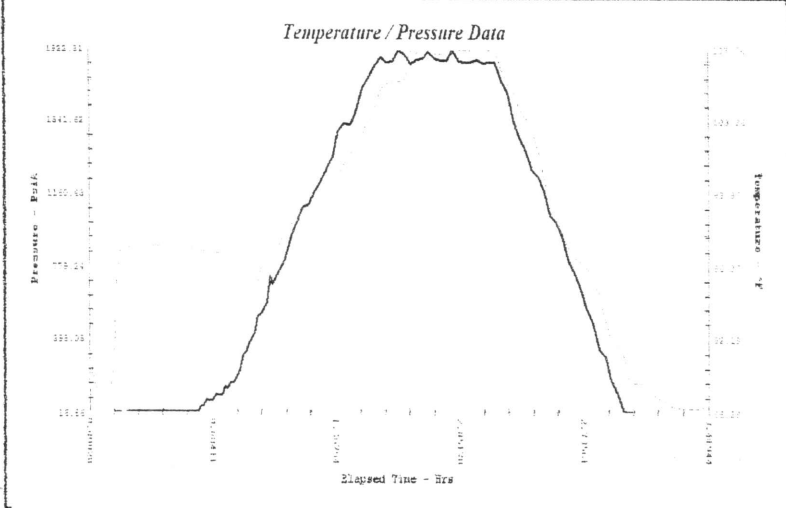
# SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: RAMA OPERATING COMPANY INC.      Lease & Well No. ANDREWS #6-24      Test #: 4      Date: 05-20-2006  
 SEC. 24      TWP. 29S      RGE. 14W



- 1 Initial Hydrostatic Pressure
  - 2 Initial Flow Pressure
  - 3 Final Initial Flow Pressure
  - 4 Initial Shut-In Pressure
  - 5 Initial Final Flow Pressure
  - 6 Final Flow Pressure
  - 7 Final Shut-In Pressure
  - 8 Final Hydrostatic Pressure
- Maximum Temperature

**GENERAL INFORMATION**

COMPANY NAME ..... RAMA OPERATING COMPANY LLC.	
TEST DATE ..... 5/18/06	LEASE AND WELL NUMBER ..... ANDREWS #6-24
SECTION-TOWN-RANGE ..... 24-29S-14W	FORMATION TESTED ..... SEVERY-TOPEKA
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 3
COUNTY ..... PRATT	REPORT NUMBER ..... 14368
ELEVATION GROUND LEVEL ..... 1952	ELEVATION KELLY BUSHINGS ..... 1960
COMPANY REPRESENTATIVE ..... JOSH	TESTING ENGINEER ..... NATHAN MANRING

**TOOL SETTING INFORMATION**

TEST INTERVAL (From) ..... 5	TOP PACKER DEPTH ..... .....
TEST INTERVAL (to) .....	BOTTOM PACKER DEPTH ..... 5
ANCHOR LENGTH ..... -5	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) .....	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

**FLOW TIMES**

TOOL OPEN (from) .....	TOOL OPEN (from) .....
INITIAL OPEN TOOL OPEN (to) .....	FINAL OPEN TOOL OPEN (to) .....
DURATION (min.) .....	DURATION (min.) .....
TOOL CLOSED (from) .....	TOOL CLOSED (from) .....
INITIAL SHUT-IN TOOL CLOSED (to) .....	FINAL SHUT-IN TOOL CLOSED (to) .....
DURATION (min.) .....	DURATION (min.) .....

**INITIAL FLOW**

PACKER FAILER

**FINAL FLOW**

FEET OF	RESISTIVITY	AT	DEGREES	CHLORIDES			
	RECOVERY DESCRIPTION			%	%	%	%
Recovery				GAS	OIL	MUD	WATER
1)							
2)							
3)							
4)							
5)							

# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

### GENERAL INFORMATION

COMPANY NAME ..... RAMA OPERATING COMPANY LLC.  
TEST DATE ..... 5/18/06  
SECTION-TOWN-RANGE ..... 24-29S-14W  
STATE ..... KANSAS  
COUNTY ..... PRATT  
ELEVATION GROUND LEVEL ..... 1952  
COMPANY REPRESENTATIVE ..... JOSH  
LEASE AND WELL NUMBER ..... ANDREWS #6-24  
FORMATION TESTED ..... SEVERY-TOPEKA  
DRILL STEM TEST NUMBER ..... 3  
REPORT NUMBER ..... 14368  
ELEVATION KELLY BUSHINGS ..... 1960  
TESTING ENGINEER ..... NATHAN MANNING

### EXTRA EQUIPMENT

WABS ..... NO  
SAFETY JOINT ..... NO  
ELECTRONIC RECORDER ..... NO  
CIRCULATING SUB ..... NO  
TOP RECORDER DEPTH .....  
RECORDER NUMBER ..... 91981  
EXTRA PACKER (3RD) ..... NO  
EXTRA PACKER (4TH) ..... NO  
STRADDLE ..... NO  
HOOK WALL ..... NO  
SAMPLER ..... NO  
FRATT  
BOTTOM RECORDER DEPTH ..... 1  
RECORDER NUMBER ..... 5453

### WELL INFORMATION

DRILLING CONTRACTOR ..... STERLING DRILLING RIG #4  
DRILL PIPE LENGTH ..... 3069  
DRILL PIPE I.D. .... 3.8  
TOOL JOINT SIZE ..... 4 1/2 X.H.  
WEIGHT PIPE LENGTH ..... NONE  
WEIGHT PIPE I.D. .... 2.25  
TOOL JOINT SIZE ..... 4 1/2 X.H.  
DRILL COLLAR LENGTH ..... 240  
DRILL COLLAR I.D. .... 2.25  
TOOL JOINT SIZE ..... 4 1/2 X.H.  
MUD WEIGHT #/GAL ..... 9.1  
VISCOSITY ..... 43  
WATER LOSS ..... 8.8  
CHLORIDES-PITS ..... 4,000  
CHLORIDES-OUT .....

### COMMENTS

# Temperature / Pressure Data



# Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902 KB 1960

Date 5-20-04 Location 24-29<sup>s</sup>.14<sup>w</sup> Elevation 1952 County PRATT

Company RAMA ~~Company~~ Operating Company INC Number of Copies 5

Charts Mailed to P.O. Box 159 Stafford KS 67578

Drilling Contractor Sterling Drilling Rig #4  
Length Drill Pipe 3400 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

Length Weight Pipe NOML I.D. Weight Pipe --- Tool Joint Size ---  
Length Drill Collars 240 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3655 Bottom Packer Depth 3660 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3660 TO 3720 ANCHOR LENGTH 60 TOTAL DEPTH 3720 Hole Size 7 7/8

LEASE & WELL NO. ANDREWS # 6-24 FORMATION TESTED TORONTO TEST NO. 5

Mud Weight 9.4 Viscosity 52 Water Loss 8.8 Chlorides - Pits 7000 D.S.T. 130,000

Maximum Temp. 112 °F Initial Hydrostatic Pressure (A) 1973 P.S.I. Final Hydrostatic Pressure (H) 1813 P.S.I.

Tool Open I.F.P. from 10:47 m to 11:23 m 36 min  
Tool Closed I.C.I.P. from 11:23 m to 11:53 m 30 min  
Tool Open F.F.P. from 11:53 m to 12:23 m 30 min  
Tool Closed F.C.I.P. from 12:23 m to 12:53 m 30 min

from [B] <u>1121</u> P.S.I. to [C] <u>1177</u> P.S.I.
[D] <u>1394</u> P.S.I.
from [E] <u>1195</u> P.S.I. to [F] <u>1262</u> P.S.I.
[G] <u>1390</u> P.S.I.

Initial Blow Strong blow bottom bucket less than 1 minute gas to surface in 2 min.

Final Blow Strong blow See gas flow reports

Total Feet Recovered 241 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_  
241 Feet of slightly gassy mud cut water % Gas \_\_\_\_\_ % Oil 5 % Mud 95 % Water \_\_\_\_\_  
\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_  
\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_  
\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_  
\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_  
\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_  
\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_  
\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_  
\_\_\_\_\_ Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Remarks \_\_\_\_\_

Extra Equipment - Jars \_\_\_\_\_ Safety Joint \_\_\_\_\_ Extra Packer \_\_\_\_\_ Straddle \_\_\_\_\_ Hook Wall \_\_\_\_\_  
Top Recorder No. 4005 Clock No. electronic Depth 3716 Cir. Sub \_\_\_\_\_ Sampler \_\_\_\_\_  
Bottom Recorder No. 7895 Clock No. 3439 Depth 3717 Insurance \_\_\_\_\_

Price of Job \_\_\_\_\_  
Tool Operator JOHANN MANKIELO  
Approved By \_\_\_\_\_  
**No 14370**

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to 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.

# SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

- 1 Initial Hydrostatic Pressure
- 2 Initial Flow Pressure
- 3 Final Initial Flow Pressure
- 4 Initial Shut-In Pressure
- 5 Initial Final Flow Pressure
- 6 Final Flow Pressure
- 7 Final Shut-In Pressure
- 8 Final Hydrostatic Pressure

Maximum Temperature

### GENERAL INFORMATION

COMPANY NAME ..... RAMA OPERATING COMPANY LLC.	
TEST DATE ..... 5/18/06	LEASE AND WELL NUMBER ..... ANDREWS #6-24
SECTION-TOWN-RANGE ..... 24-29S-14W	FORMATION TESTED ..... TORONTO
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 5
COUNTY ..... PRATT	REPORT NUMBER ..... 14370
ELEVATION GROUND LEVEL ..... 1952	ELEVATION KELLY BUSHINGS ..... 1960
COMPANY REPRESENTATIVE ..... JOSH	TESTING ENGINEER ..... NATHAN MANRING

### TOOL SETTING INFORMATION

TEST INTERVAL (From) ..... 3660	TOP PACKER DEPTH ..... 3655
TEST INTERVAL (to) ..... 3720	BOTTOM PACKER DEPTH ..... 3660
ANCHOR LENGTH ..... 60	NUMBER OF PACKERS ..... 2
TOTAL DEPTH (ft) ..... 3720	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

### FLOW TIMES

TOOL OPEN (from) ..... 10:47	TOOL OPEN (from) ..... 11:53
<i>INITIAL OPEN</i> TOOL OPEN (to) ..... 11:23	<i>FINAL OPEN</i> TOOL OPEN (to) ..... 12:23
DURATION (min.) ..... 36	DURATION (min.) ..... 30
TOOL CLOSED (from) ..... 11:23	TOOL CLOSED (from) ..... 12:23
<i>INITIAL SHUT-IN</i> TOOL CLOSED (to) ..... 11:53	<i>FINAL SHUT-IN</i> TOOL CLOSED (to) ..... 12:53
DURATION (min.) ..... 30	DURATION (min.) ..... 30

**INITIAL FLOW**      STRONG BLOW BOTTOM BUCKET LESS THAN 1 MINUTES GAS TO SURFACE  
 IN 2 MINUTES

**FINAL FLOW**      STRONG BLOW                      SEE GAS FLOW REPORTS

### RESISTIVITY                      AT                      DEGREES                      CHLORIDES

FEET OF	RECOVERY DESCRIPTION	%	%	%	%
Recovery		GAS	OIL	MUD	WATER
1)					
2)					
3)					
4)					
5)					

Company: RAMA OPERATING COMPANY INC. SEC. 24 TWP. 29S RGE. 14W

Lease & Well No. ANDREWS #6-24

Test #: 5 Date: 05-20-2006

# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (800)792-6902

### GENERAL INFORMATION

COMPANY NAME .....	RAMA OPERATING COMPANY LLC.	LEASE AND WELL NUMBER .....	ANDREWS #6-24
TEST DATE .....	5/18/06	FORMATION TESTED .....	TORONTO
SECTION-TOWN-RANGE .....	24-29S-14W	DRILL STEM TEST NUMBER .....	5
STATE .....	KANSAS	REPORT NUMBER .....	14370
COUNTY .....	PRATT	ELEVATION KELLY BUSHINGS .....	1960
ELEVATION GROUND LEVEL .....	1952	TESTING ENGINEER .....	NATHAN MANNING
COMPANY REPRESENTATIVE .....	JOSH		

### EXTRA EQUIPMENT

LABS .....	NO	EXTRA PACKER (SRD) .....	NO
SAFETY JOINT .....	NO	EXTRA PACKER (ATH) .....	NO
ELECTRONIC RECORDER .....	NO	STRADDLE .....	NO
CIRCULATING SUB .....	NO	HOOK WALL .....	NO
		SAMPLER .....	NO
	35 MILES ROUND TRIP FROM	PRATT	
TOP RECORDER DEPTH .....	3716	BOTTOM RECORDER DEPTH .....	3717
RECORDER NUMBER .....	91981	RECORDER NUMBER .....	5463

### WELL INFORMATION

DRILLING CONTRACTOR .....	STERLING DRILLING RIG #4	DRILL COLLAR LENGTH .....	240
DRILL PIPE LENGTH .....	3400	DRILL COLLAR I.D. ....	2.25
DRILL PIPE I.D. ....	3.8	TOOL JOINT SIZE .....	4 1/2 X.H.
TOOL JOINT SIZE .....	4 1/2 X.H.		
WEIGHT PIPE LENGTH .....	NONE	MUD WEIGHT #/GAL .....	9.4
WEIGHT PIPE I.D. ....	2.25	VISCOSITY .....	52
TOOL JOINT SIZE .....	4 1/2 X.H.	WATER LOSS .....	8.8
		CHLORIDES-PITS .....	7,000
		<small>DRILL STRENGTH TEST ON 5/18/06 AT 3716</small>	

### COMMENTS

# SUPERIOR TESTERS ENTERPRISES L.L.C.

GREAT BEND, KANSAS

## GAS FLOW RATE

(800) 792-6902

#

STATE..... KANSAS	Test Date .....	1/0/1900
COUNTY..... PRATT	Sec Town Range .....	24-29S-14W
FIELD.....	Report Number .....	14370

### Initial Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
STRONG BLOW	10:57	10		53		1 1/2	3931.000
GAS TO	11:07	20		59		1 1/2	4289.000
SURFACE IN 2 MINUTES	11:17	30		70		1 1/2	4946.000
MUD TO SURFACE WITH GAS AFTER 11 MINUTES							

### Final Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
STRONG BLOW 2 INCH PIPE WAS CHOKED TO KEEP PRESSURE DOWN UPON REQUEST							
TWO MILLION PLUS ACTUAL READING CHOKED							
WATER TO SURFACE WITH GAS AFTER 4 MINUTES							

# Temperature / Pressure Data

