

Rama Operating Co.  
Bookstore 5-11

11-24s-14w  
15-185-23423

# Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530  
(316) 792-6902

KB 1964

Date 2-8-07 Location NW 36 NW 11-24S-14W Elevation GL 1955 County STAFFORD  
Company RAMA OPERATING CO. INC Number of Copies 6  
Charts Mailed to P.O. BOX 159 STAFFORD KS 67578  
Drilling Contractor STERLING DRILLING RIG #1  
Length Drill Pipe 3684 I.D. Drill Pipe 3.8 Tool Joint Size 4 1/2 XH  
Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE  
Length Drill Collars 300 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH  
Top Packer Depth 3999 Bottom Packer Depth 4004 Number of Packers 2 Packer Size 6 3/4  
TESTED FROM 4004 TO 4044 ANCHOR LENGTH 40 TOTAL DEPTH 4044 Hole Size 7 7/8  
LEASE & WELL NO. BOOKSTORE #5-11 FORMATION TESTED MISSISSIPPI TEST NO. 1  
Mud Weight 9.35 Viscosity 59 Water Loss 9.4 Chlorides - Pits 10,800 D.S.T.  
Maximum Temp. 112 °F Initial Hydrostatic Pressure (A) 2083 P.S.I. Final Hydrostatic Pressure (H) 1995 P.S.I.

Tool Open I.F.P. from 12:20 p.m. to 12:50 p.m. 30 min  
Tool Closed I.C.I.P. from 12:50 p.m. to 1:35 p.m. 45 min  
Tool Open F.F.P. from 1:35 p.m. to 2:05 p.m. 30 min  
Tool Closed F.C.I.P. from 2:05 p.m. to 3:35 p.m. 90 min

|          |            |               |           |        |
|----------|------------|---------------|-----------|--------|
| from [B] | <u>49</u>  | P.S.I. to [C] | <u>55</u> | P.S.I. |
| [D]      | <u>222</u> |               |           | P.S.I. |
| from [E] | <u>63</u>  | P.S.I. to [F] | <u>70</u> | P.S.I. |
| [G]      | <u>176</u> |               |           | P.S.I. |

Initial Blow WEAK SURFACE BLOW BUILT TO 1 INCH IN 30 MINUTES

Final Blow WEAK SURFACE BLOW DIED OFF AFTER 20 MINUTES

Total Feet Recovered 30 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_  
30 Feet of DRILLING MUD NO SHOW OF GAS OR OIL % Gas \_\_\_\_\_ % Oil 100 % 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 \_\_\_\_\_

Extra Equipment - Jars NO Safety Joint NO Extra Packer NO Straddle NO Hook Wall NO  
Top Recorder No. 91951 Clock No. ELECTRONIC Depth 4040 Cir. Sub \_\_\_\_\_ Sampler NO  
Bottom Recorder No. 10750 Clock No. 47441 Depth 4041 Insurance NONE

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

Tool Operator Frank J Zemanick

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

NO 12150

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.

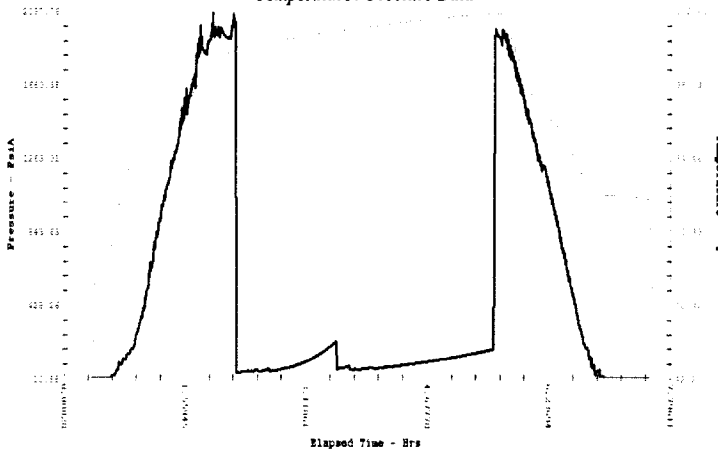
1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: RAMA OPERATING CO. INC  
TWP. 24S RGE. 14W  
Lease & Well No. BOOKSTORE #5-11 Test #: 1 Date: 2-8-07 SEC. 11

Temperature / Pressure Data



|   |                              |      |
|---|------------------------------|------|
| 1 | Initial Hydrostatic Pressure | 2083 |
| 2 | Initial Flow Pressure        | 49   |
| 3 | Final Initial Flow Pressure  | 55   |
| 4 | Initial Shut-In Pressure     | 222  |
| 5 | Initial Final Flow Pressure  | 63   |
| 6 | Final Flow Pressure          | 70   |
| 7 | Final Shut-In Pressure       | 176  |
| 8 | Final Hydrostatic Pressure   | 1995 |

Maximum Temperature 112

### GENERAL INFORMATION

COMPANY NAME ..... RAMA OPERATING CO. INC.

TEST DATE ..... 2/8/07

SECTION-TOWN-RANGE ..... 11-24S-14W

STATE ..... KANSAS

COUNTY ..... STAFFORD

ELEVATION GROUND LEVEL ..... 1955

COMPANY REPRESENTATIVE ..... JOSH

LEASE AND WELL NUMBER ..... BOOKSTORE #5-11

FORMATION TESTED ..... MISSISSIPPI

DRILL STEM TEST NUMBER ..... 1

REPORT NUMBER ..... 12150

ELEVATION KELLY BUSHINGS ..... 1964

TESTING ENGINEER ..... FRANK ZAMARRIPA

### TOOL SETTING INFORMATION

TEST INTERVAL (From) ..... 4004

TEST INTERVAL (to) ..... 4044

ANCHOR LENGTH ..... 40

TOTAL DEPTH (ft) ..... 4044

TOP PACKER DEPTH ..... 3999

BOTTOM PACKER DEPTH ..... 4004

NUMBER OF PACKERS ..... 2

PACKER SIZE ..... 6 3/4

HOLE SIZE ..... 7 7/8

### FLOW TIMES

#### INITIAL OPEN

TOOL OPEN (from) ..... 12:20P

TOOL OPEN (to) ..... 12:50

DURATION (min.) ..... 30

#### INITIAL SHUT-IN

TOOL CLOSED (from) ..... 12:50

TOOL CLOSED (to) ..... 1:35

DURATION (min.) ..... 45

#### FINAL OPEN

TOOL OPEN (from) ..... 1:35

TOOL OPEN (to) ..... 2:05

DURATION (min.) ..... 30

#### FINAL SHUT-IN

TOOL CLOSED (from) ..... 2:05

TOOL CLOSED (to) ..... 3:35

DURATION (min.) ..... 90

### INITIAL FLOW

WEAK SURFACE BLOW BUILT TO 1 INCH IN 30 MINUTES  
NO BLOW BACK

### FINAL FLOW

WEAK SURFACE BLOW DIED OF IN 20 MINUTES  
NO BLOW BACK

# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

### GENERAL INFORMATION

|                              |                         |                                |                 |
|------------------------------|-------------------------|--------------------------------|-----------------|
| COMPANY NAME .....           | RAMA OPERATING CO. INC. | LEASE AND WELL NUMBER .....    | BOOKSTORE #5-11 |
| TEST DATE .....              | 2/8/07                  | FORMATION TESTED .....         | MISSISSIPPI     |
| SECTION-TOWN-RANGE .....     | 11-24S-14W              | DRILL STEM TEST NUMBER .....   | 1               |
| STATE .....                  | KANSAS                  | REPORT NUMBER .....            | 12150           |
| COUNTY .....                 | STAFFORD                | ELEVATION KELLY BUSHINGS ..... | 1964            |
| ELEVATION GROUND LEVEL ..... | 1955                    | TESTING ENGINEER .....         | FRANK ZAMARRIPA |
| 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         |
|                           | 62 MILES ROUND TRIP FROM |                             | GREAT BEND |
| TOP RECORDER DEPTH .....  | 4040                     | BOTTOM RECORDER DEPTH ..... | 4041       |
| RECORDER NUMBER .....     | 91951                    | RECORDER NUMBER .....       | 10250      |

### WELL INFORMATION

|                           |                 |                           |            |
|---------------------------|-----------------|---------------------------|------------|
| DRILLING CONTRACTOR ..... | STERLING RIG #1 | DRILL COLLAR LENGTH ..... | 300        |
| DRILL PIPE LENGTH .....   | 3684            | 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.      |                           |            |

### COMMENTS

| Drill Pipe       | I.D. | Feet | Recovery Description For Drill Pipe                    | Gas        | Oil             | Mud    | Water   | Total bbls. |
|------------------|------|------|--------------------------------------------------------|------------|-----------------|--------|---------|-------------|
| 4 1/2            | 3.82 |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
| Drill Collars    | I.D. |      | Recovery Description For Drill Collars                 | 0.0000     | 0.0000          | 0.0000 | 0.0000  |             |
|                  | 2.25 | 30   | DRILLING MUD                                           |            |                 | 100%   |         | 0.1470      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
|                  |      |      |                                                        |            |                 |        |         | 0.0000      |
| Total Recovery   |      | 30   | Feet                                                   |            |                 |        |         | 0.0000      |
|                  |      |      | Total bbls. Recovered From Drill Pipe                  | 0.0000     | 0.0000          | 0.0000 | 0.0000  | Total       |
|                  |      |      | Total bbls. Recovered From Drill Collars               | 0.0000     | 0.0000          | 0.1470 | 0.0000  | bbls        |
|                  |      |      | Total bbls Recovered                                   | 0.0000     | 0.0000          | 0.1470 | 0.0000  | 0.1470      |
|                  |      |      |                                                        | Gas        | Oil             | Mud    | Water   |             |
|                  |      |      |                                                        |            |                 |        |         |             |
|                  |      |      |                                                        |            |                 |        |         |             |
| MUD WEIGHT #/GAL | 9.4  |      | Resistivity                                            |            | ohms @          |        | Degrees |             |
| VISCOSITY        | 59   |      | Recovery Chlorides                                     |            | ppm             |        |         |             |
| WATER LOSS       | 9.6  |      | Pit Chlorides                                          | 10800      | ppm             |        |         |             |
|                  |      |      | 4 1/2 inch Drill Pipe 3.83 I.D. Drill Collars 2.25 I.D |            |                 |        |         |             |
|                  |      |      | RAMA OPERATING CO. INC                                 | 11-24S-14W | BOOKSTORE #5-11 | 2-8-07 | DST#1   | MISSISSIPPI |

# *Temperature / Pressure Data*

