

Rama Operating Co.
Lanternman 9-16

16-20s-12w

15-009-25013-00-00

Superior Testers Enterprises, Inc.

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

(316) 792-6902

KB 1864
1855

Date 1-15-07 Location 16-20-12 Elevation 1855 County Barton

Company Rama Operating Co INC Number of Copies 5

Charts Mailed to PO Box 159 Stafford KS 67578

Drilling Contractor Stirling Rig #1

Length Drill Pipe 3740 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 X H

Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____

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

Top Packer Depth 3399 Bottom Packer Depth 3404 Number of Packers 2 Packer Size 6 7/8

TESTED FROM 3404 TO 3408 ANCHOR LENGTH 34 TOTAL DEPTH 3438 Hole Size 6 7/8

LEASE & WELL NO. Lanternman 9-16 FORMATION TESTED Arbuckle TEST NO. 1

Mud Weight 9.4 Viscosity 43 Water Loss 10.0 Chlorides - Pits 7500 D.S.T. _____

Maximum Temp. 107 °F Initial Hydrostatic Pressure (A) 1714 P.S.I. Final Hydrostatic Pressure (H) 1685 P.S.I.

Tool Open I.F.P. from 10:40 A m to 11:10 A m 30 min

Tool Closed I.C.I.P. from 11:10 A m to 12:40 A m 30 min

Tool Open F.F.P. from 11:40 A m to 12:10 A m 30 min

Tool Closed F.C.I.P. from 12:10 A m to 12:40 A m 30 min

Initial Blow good Blow ~~Blow~~ Sinchen Bucket than Dick Bad to 3 in

Final Blow No Blow Flush tool Blow Loss 1 in Died

Total Feet Recovered 170 Gravity of Oil _____ Corrected _____

170 Feet of Mud _____ % 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 Slip tool to Bottom 15 Feet

Extra Equipment - Jars _____ Safety Joint _____ Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 9194 Clock No. etc Depth 3434 Cir. Sub _____ Sampler _____

Bottom Recorder No. 5463 Clock No. 4334 Depth 3435 Insurance _____

Price of Job _____

Tool Operator David Nichols

Approved By _____

No 14303

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.

DRILL STEM TEST REPORT

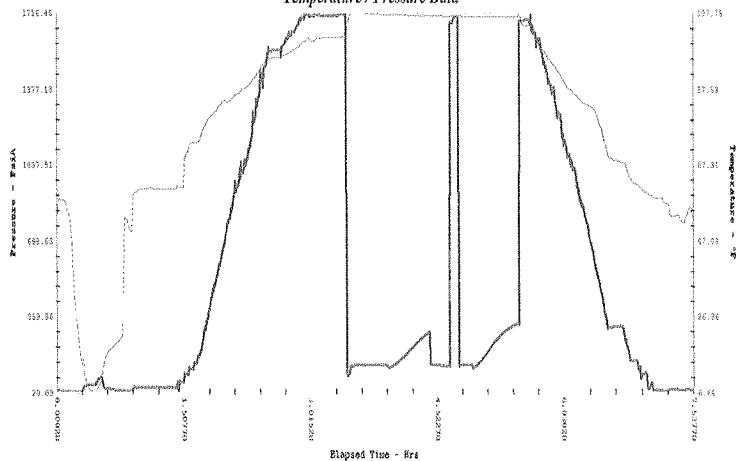
GREAT BEND, KANSAS 67530

1(800)792-6902

Company: RAMA OPERATING INC
RGE. 12N

Lease & Well No. Lanterman 9-16 Test #: 1 Date: 1-15-07 SEC. 16 TWP. 20

Temperature / Pressure Data



1	Initial Hydrostatic Pressure	1714
2	Initial Flow Pressure	138
3	Final Initial Flow Pressure	143
4	Initial Shut-In Pressure	291
5	Initial Final Flow Pressure	143
6	Final Flow Pressure	144
7	Final Shut-In Pressure	328
8	Final Hydrostatic Pressure	1685

Maximum Temperature 107

GENERAL INFORMATION

COMPANY NAME RAMA OPERATING INC

TEST DATE 1/15/07

SECTION-TOWN-RANGE 16-20-12

STATE KANSAS

COUNTY BARTON

ELEVATION GROUND LEVEL 1855

COMPANY REPRESENTATIVE JOSH

LEASE AND WELL NUMBER LANTERMAN 9-16

FORMATION TESTED ARBUCKLE

DRILL STEM TEST NUMBER 1

REPORT NUMBER 14303

ELEVATION KELLY BUSHINGS 1864

TESTING ENGINEER DAVID NICHOLS

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3404

TEST INTERVAL (to) 3438

ANCHOR LENGTH 34

TOTAL DEPTH (ft) 3438

TOP PACKER DEPTH 3399

BOTTOM PACKER DEPTH 3404

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 10:40

TOOL OPEN (to) 11:10

DURATION (min.) 30

INITIAL SHUT-IN

TOOL CLOSED (from) 11:10

TOOL CLOSED (to) 11:40

DURATION (min.) 30

FINAL OPEN

TOOL OPEN (from) 11:40

TOOL OPEN (to) 12:10

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 12:10

TOOL CLOSED (to) 12:40

DURATION (min.) 30

INITIAL FLOW

GOOD BLOW BUILT TO 8 INTO WATER THAN DIED BACK TO 3 INCHS INTO WATER AFTER 30 MIN

FINAL FLOW

NO BLOW FLUSH TOOL VERY WEAK BLOW FOR LESS THAN 1 MIN THAN DIED

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	RAMA OPERATING INC	LEASE AND WELL NUMBER	LANTERMAN 9-16
TEST DATE	1/15/07	FORMATION TESTED	ARBUCKLE
SECTION-TOWN-RANGE	16-20-12	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	14303
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1864
ELEVATION GROUND LEVEL	1855	TESTING ENGINEER	DAVID NICHOLS
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
	20 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3434	BOTTOM RECORDER DEPTH	3435
RECORDER NUMBER	4023	RECORDER NUMBER	3088

WELL INFORMATION

DRILLING CONTRACTOR	STERLING RIG#1	DRILL COLLAR LENGTH	240
DRILL PIPE LENGTH	3146	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

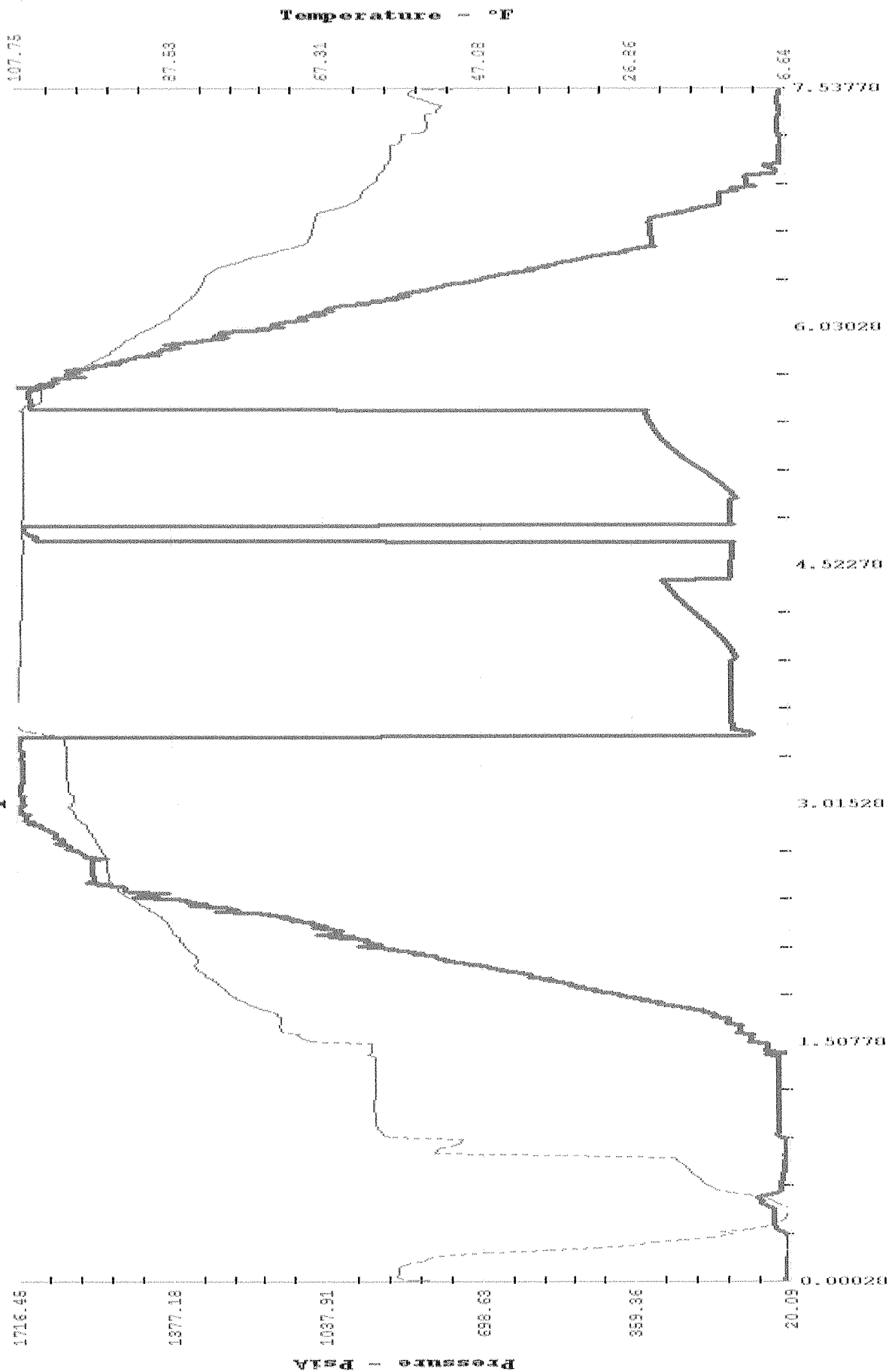
SLID TOOL 15 FEET TO BOTTOM

Recovery Sample Description

Great Bend, Kansas 67530

[illegible]

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 1-16-07 Location 16-20-12 Elevation 1858 County Barton

Company Rama Operating INC Number of Copies 3

Charts Mailed to PO Box 159 Stafford KS 67578

Drilling Contractor Sterling Rig #1

Length Drill Pipe 3140 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

Length Weight Pipe _____ 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 3399 Bottom Packer Depth 3404 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3404 TO 3448 ANCHOR LENGTH 44 TOTAL DEPTH 3448 Hole Size 7 7/8

LEASE & WELL NO. Lantorman 9-16 FORMATION TESTED ARBuckle TEST NO. 2

Mud Weight 9.4 Viscosity 43 Water Loss 10 Chlorides - Pits 7500 D.S.T. _____

Maximum Temp. 101 °F Initial Hydrostatic Pressure (A) 1697 P.S.I. Final Hydrostatic Pressure (H) 1665 P.S.I.

Tool Open I.F.P. from 8:45 A.m to 4:15 A.m 30 min

Tool Closed I.C.I.P. from 4:15 A.m to 4:45 A.m 30 min

Tool Open F.F.P. from 4:45 A.m to 5:15 A.m 30 min

Tool Closed F.C.I.P. from 5:15 A.m to 5:45 A.m 30 min

Initial Blow Very weak Blow 1/2 inch into water flush feel same

Final Blow Very weak Blow 1/2 inch into water

Total Feet Recovered 40 Gravity of Oil _____ Corrected _____

40 Feet of Mud with a very slight show oil % Gas 1 % Oil 99 % 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 _____

_____ 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. 91984 Clock No. ele Depth 3444 Cir. Sub _____ Sampler _____

Bottom Recorder No. 4337 Clock No. 5103 Depth 3445 Insurance _____

Price of Job _____

Tool Operator DAVID Nichols

Approved By _____

No. 14304

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.

DRILL STEM TEST REPORT

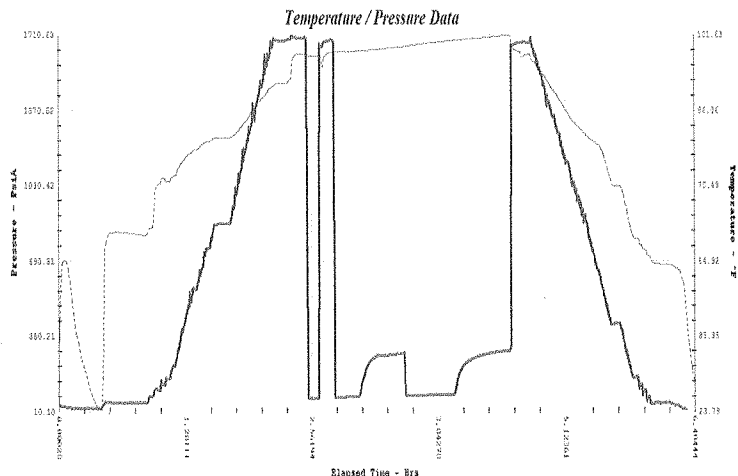
1(800)792-6902

GREAT BEND, KANSAS 67530

RGE. 12

Company: RAMA OPERATING INC

Lease & Well No. LANTERMAN 9-16 Test #: 2 Date: 1-16-07 SEC. 16 TWP. 20



1	Initial Hydrostatic Pressure	1697
2	Initial Flow Pressure	70
3	Final Initial Flow Pressure	79
4	Initial Shut-In Pressure	274
5	Initial Final Flow Pressure	82
6	Final Flow Pressure	88
7	Final Shut-In Pressure	285
8	Final Hydrostatic Pressure	1665

Maximum Temperature 101

GENERAL INFORMATION

COMPANY NAME RAMA OPERATING INC

TEST DATE 1/16/07

SECTION-TOWN-RANGE 16-20-12

STATE KANSAS

COUNTY BARTON

ELEVATION GROUND LEVEL 1858

COMPANY REPRESENTATIVE JOSH

LEASE AND WELL NUMBER LANTERMAN 9-16

FORMATION TESTED ARBUCKLE

DRILL STEM TEST NUMBER 2

REPORT NUMBER 14304

ELEVATION KELLY BUSHINGS 1864

TESTING ENGINEER DAVID NICHOLS

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3404

TEST INTERVAL (to) 3448

ANCHOR LENGTH 44

TOTAL DEPTH (ft) 3448

TOP PACKER DEPTH 3399

BOTTOM PACKER DEPTH 3404

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 3:45

TOOL OPEN (to) 4:15

DURATION (min.) 30

INITIAL SHUT-IN

TOOL CLOSED (from) 4:15

TOOL CLOSED (to) 4:45

DURATION (min.) 30

FINAL OPEN

TOOL OPEN (from) 4:45

TOOL OPEN (to) 5:15

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 5:15

TOOL CLOSED (to) 5:45

DURATION (min.) 30

INITIAL FLOW

VERY WEAK BLOW BUILT TO 1/2 INCH INTO WATER FLUSHED TOOL SAME

FINAL FLOW

VERY WEAK BLOW 1/2 INCH INTO WATER

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	RAMA OPERATING INC	LEASE AND WELL NUMBER	LANTERMAN 9-16
TEST DATE	1/16/07	FORMATION TESTED	ARBUCKLE
SECTION-TOWN-RANGE	16-20-12	DRILL STEM TEST NUMBER	2
STATE	KANSAS	REPORT NUMBER	14304
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1864
ELEVATION GROUND LEVEL	1858	TESTING ENGINEER	DAVID NICHOLS
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
	22 MILES ROUND TRIP FROM		GREAT BEND
TOP RECORDER DEPTH	3444	BOTTOM RECORDER DEPTH	3445
RECORDER NUMBER	4023	RECORDER NUMBER	3088

WELL INFORMATION

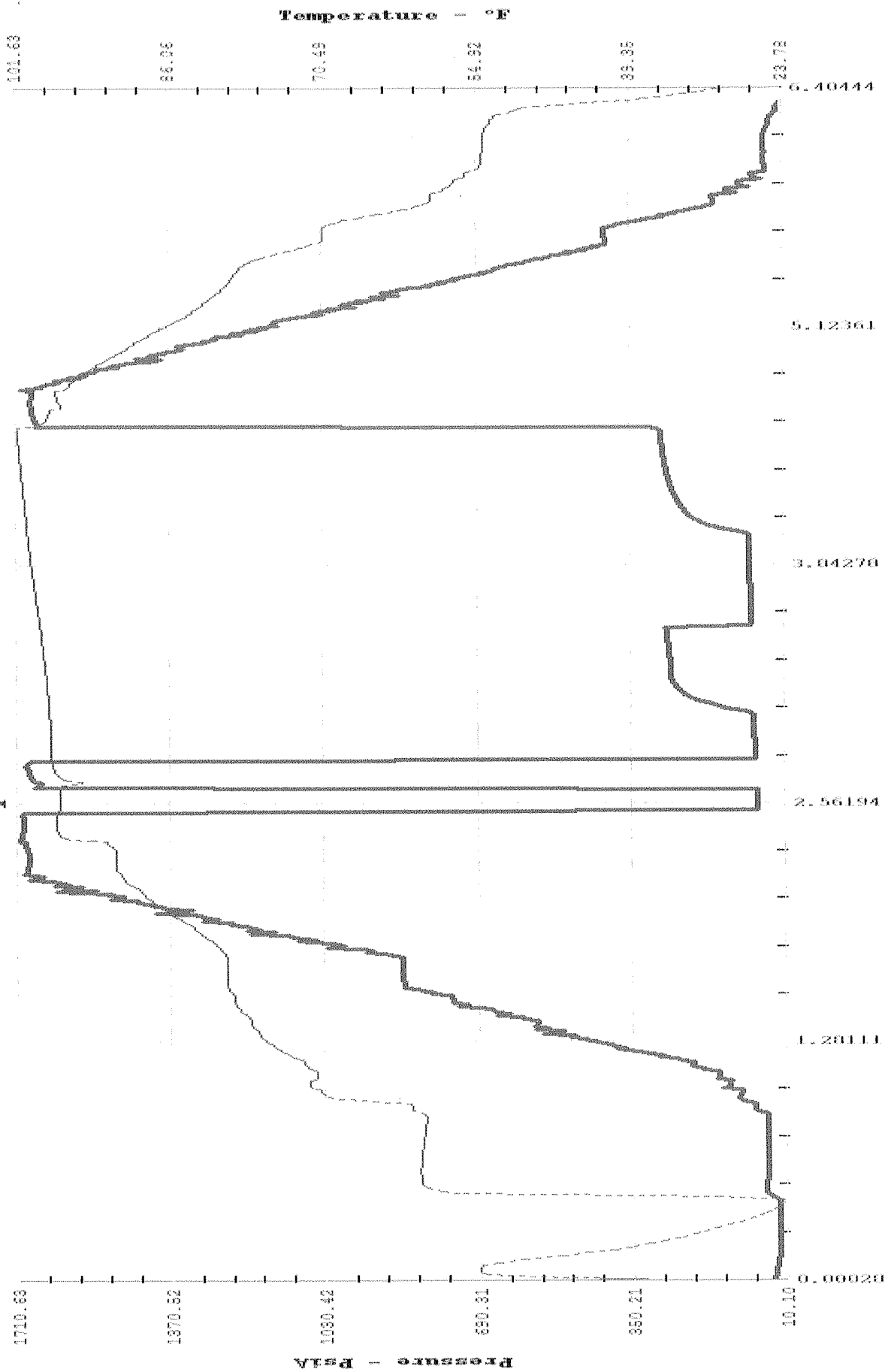
DRILLING CONTRACTOR	STERLING RIG#1	DRILL COLLAR LENGTH	240
DRILL PIPE LENGTH	3146	DRILL COLLAR I.D.	2.25
DRILL PIPE I.D.	3.8	TOOL JOINT SIZE	4 1/2 X.H.
TOOL JOINT SIZE	4 1/2 X.H.		

COMMENTS

SLID TOOL TO BOTTOM ABOUT 2 FEET

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	40	MUD WITH A VERY SLIGHT SHOW OF OIL		1%	99%		0.1960
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
Total Recovery	40	Feet	Total bbls. Recovered From Drill Pipe	0.0000	0.0000	0.0000	0.0000	Total
			Total bbls. Recovered From Drill Collars	0.0000	0.0020	0.1940	0.0000	bbls
			Total bbls Recovered	0.0000	0.0020	0.1940	0.0000	0.1960
				Gas	Oil	Mud	Water	
MUD WEIGHT #GAL	9.4		Resistivity		ohms @		Degrees	
VISCOSITY	43		Recovery Chlorides		ppm			
WATER LOSS	10.0		Pit Chlorides	7,500	ppm			
			4 1/2 inch Drill Pipe 3.83 I.D. Drill Collars 2.25 I.D					
RAMA OPERATING INC	16-20-12	LANTERMAN 9-16	1-15-07	DST#2	ARBuckle			

Temperature / Pressure Data



Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 1-17-07 Location 16-20-12 Elevation 1858 County Barton

Company Rama Operating INC Number of Copies 5

Charts Mailed to PO Box 159 Stafford KS 67578

Drilling Contractor Sterling Rig #1

Length Drill Pipe 2762 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 X 1 1/2

Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____

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

Top Packer Depth 3436 Bottom Packer Depth 3441 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3441 TO 3465 ANCHOR LENGTH 24 TOTAL DEPTH 3465 Hole Size 7 1/8

LEASE & WELL NO. Lanternman 9-16 FORMATION TESTED ARBudite TEST NO. 3

Mud Weight 9.25 Viscosity 48 Water Loss 10.5 Chlorides - Pits 6500 D.S.T. _____

Maximum Temp. 100 °F Initial Hydrostatic Pressure (A) 1727 P.S.I. Final Hydrostatic Pressure (H) 1464 P.S.I.

Tool Open I.F.P. from 5:00 A m to 5:30 A m 30 min

Tool Closed I.C.I.P. from 5:30 m to 6:00 m 30 min

Tool Open F.F.P. from 6:00 m to 6:45 m 45 min

Tool Closed F.C.I.P. from 6:45 m to 7:30 m 45 min

Initial Blow Weak Building Blow 3 in in 30 min

Final Blow Weak Building Blow Built to 3 1/2 inches in 45 min

Total Feet Recovered 130 Gravity of Oil _____ Corrected _____

70 Feet of water mud % Gas _____ % Oil 65 % Mud 35 % Water _____

60 Feet of water/mud % Gas _____ % Oil 95 % Mud 5 % 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 _____

Extra Equipment - Jars _____ Safety Joint _____ Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 91984 Clock No. elc Depth 3461 Cir. Sub _____ Sampler _____

Bottom Recorder No. 9337 Clock No. 5463 Depth 3462 Insurance _____

Price of Job _____

Tool Operator DAVID Nichols

Approved By _____

No 14305

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(316) 792-6902

Date 1-17-07 Location 16-20-12 Elevation 1858 County Barton

Company Rama Operating LLC Number of Copies 5

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Drilling Contractor Sterling Rig #1

Length Drill Pipe 2762 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 X 1 1/2

Length Weight Pipe 240 I.D. Weight Pipe 2.25 Tool Joint Size 4 1/2 X 1 1/2

Length Drill Collars 3436 I.D. Drill Collars 3441 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3441 TO 3465 ANCHOR LENGTH 24 TOTAL DEPTH 3465 Hole Size 7 1/8

LEASE & WELL NO. Lanternman 9-16 FORMATION TESTED ARBudite TEST NO. 3

Mud Weight 9.25 Viscosity 48 Water Loss 10.5 Chlorides - Pits 6500 D.S.T. 100

Maximum Temp. 100 °F Initial Hydrostatic Pressure (A) 1727 P.S.I. Final Hydrostatic Pressure (H) 1464 P.S.I.

Tool Open I.F.P. from 5:00 A m to 5:30 A m 30 min

Tool Closed I.C.I.P. from 5:30 m to 6:00 m 30 min

Tool Open F.F.P. from 6:00 m to 6:45 m 45 min

Tool Closed F.C.I.P. from 6:45 m to 7:30 m 45 min

Initial Blow Weak Building Blow 3 in in 30 min

Final Blow Weak Building Blow Built to 3 1/2 inches in 45 min

Total Feet Recovered 130 Gravity of Oil 65 Corrected

70 Feet of Water Mud % Gas 65 % Oil 85 % Mud 5 % Water

60 Feet of Water Mud % Gas 95 % Oil 5 % Mud 5 % 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

Extra Equipment - Jars — Safety Joint — Extra Packer — Straddle — Hook Wall —

Top Recorder No. 91984 Clock No. etc Depth 3461 Cir. Sub — Sampler —

Bottom Recorder No. 1337 Clock No. 5463 Depth 3462 Insurance —

Price of Job —

Tool Operator DAVID Nichols

Approved By Nº 14305

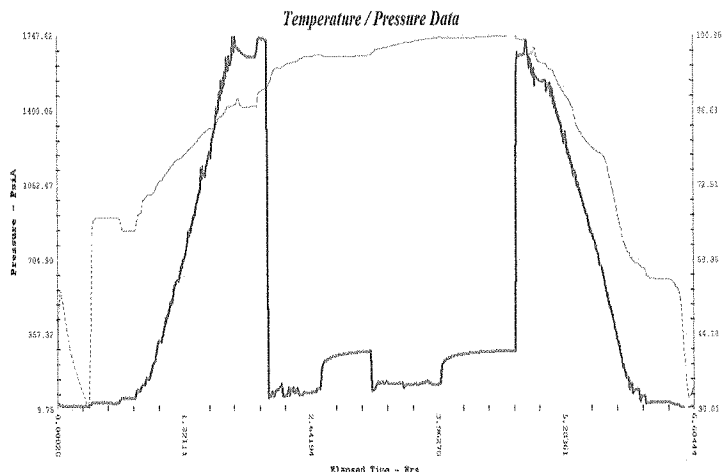
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SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



1	Initial Hydrostatic Pressure	1727
2	Initial Flow Pressure	71
3	Final Initial Flow Pressure	92
4	Initial Shut-In Pressure	279
5	Initial Final Flow Pressure	101
6	Final Flow Pressure	128
7	Final Shut-In Pressure	282
8	Final Hydrostatic Pressure	1664

Maximum Temperature 101

GENERAL INFORMATION

COMPANY NAME RAMA OPERASTING INC

TEST DATE 1/17/07

SECTION-TOWN-RANGE 16-20-12

STATE KANSAS

COUNTY BARTON

ELEVATION GROUND LEVEL 1858

COMPANY REPRESENTATIVE JIM

LEASE AND WELL NUMBER LANTERMAN 9-16

FORMATION TESTED ARBUCKLE

DRILL STEM TEST NUMBER 3

REPORT NUMBER 14305

ELEVATION KELLY BUSHINGS 1864

TESTING ENGINEER DAVID NICHOLS

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3441

TEST INTERVAL (to) 3465

ANCHOR LENGTH 24

TOTAL DEPTH (ft) 3465

TOP PACKER DEPTH 3436

BOTTOM PACKER DEPTH 3441

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from) 5:00

TOOL OPEN (to) 5:30

DURATION (min.) 30

FINAL OPEN

TOOL OPEN (from) 6:00

TOOL OPEN (to) 6:45

DURATION (min.) 45

INITIAL SHUT-IN

TOOL CLOSED (from) 5:30

TOOL CLOSED (to) 6:00

DURATION (min.) 30

FINAL SHUT-IN

TOOL CLOSED (from) 6:45

TOOL CLOSED (to) 7:30

DURATION (min.) 45

INITIAL FLOW

WEAK BUILDING BLOW BUILT TO 3 INCHS INTO WATER IN 30 MIN

FINAL FLOW

WEAK BUILDING BLOW BUILT TO 3 1/2 INCHES INTO WATER IN 45 MIN

Company: RAMA OPERATING INC
RGE. 12

Lease & Well No. LANTERMAN 9-16 Test #: 3 Date: 1-17-07 SEC. 16 TWP. 20

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	RAMA OPERASTING INC	LEASE AND WELL NUMBER	LANTERMAN 9-16
TEST DATE	1/17/07	FORMATION TESTED	ARBUCKLE
SECTION-TOWN-RANGE	16-20-12	DRILL STEM TEST NUMBER	3
STATE	KANSAS	REPORT NUMBER	14305
COUNTY	BARTON	ELEVATION KELLY BUSHINGS	1864
ELEVATION GROUND LEVEL	1858	TESTING ENGINEER	DAVID NICHOLS
COMPANY REPRESENTATIVE	JIM		

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
	20 MILES ROUND TRIP FROM	GREAT BEND	
TOP RECORDER DEPTH	3461	BOTTOM RECORDER DEPTH	3462
RECORDER NUMBER	4023	RECORDER NUMBER	3088

WELL INFORMATION

DRILLING CONTRACTOR	STERLING RIG#1	DRILL COLLAR LENGTH	240
DRILL PIPE LENGTH	2962	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
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								0.0000
								0.0000
Drill Collars	I.D.		Recovery Description For Drill Collars	0.0000	0.0000	0.0000	0.0000	
	2.25	70	WATERY MUD			65%	35%	0.3430
		60	WATERY MUD			95%	5%	0.2940
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
								0.0000
Total Recovery		130	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	0.5023	0.1348	bbls
			Total bbls Recovered	0.0000	0.0000	0.5023	0.1348	0.6370
				Gas	Oil	Mud	Water	
MUD WEIGHT #/GAL	9.3		Resistivity		ohms @		Degrees	
VISCOSITY	48		Recovery Chlorides		ppm			
WATER LOSS	10.5		Pit Chlorides	6,500	ppm			
			4 1/2 inch Drill Pipe 3.83 I.D. Drill Collars 2.25 I.D					
			16-20-12	LANTERMAN 9-16	1-17-07	DST#3	ARBUCKLE	
			RAMA OPERATING INC					

Temperature / Pressure Data

