

Burch 2  
RJM Co.

18-18s-10w  
15-159-22567

### Superior Testers Enterprises L.L.C.

P.O. Box 138, Great Bend, Kansas 67530  
(800) 792-6902

Company RJM Company  
 Address PO Box 256 Claflin KS 67525 + 0256  
 Lease & # Burch #2 Sec. 18 Twp 18 Rng 10W  
 Date 4-1-2008 County Rice Elevation 1755 G.L. 1762 K.B.  
 Drilling Contractor Royal Drilling Rig #1  
 Drill Pipe Length 3038 I.D. of Drill Pipe 3.8 Tool Joint Size 4 1/2 X 4  
 Drill Collar Length \_\_\_\_\_ I.D. of Drill Collars 2.25 Tool Joint Size 4 1/2 X 4  
 Mud Weight 8.7 Viscosity 48 Filtrate 80 Chlorides-Pits 4,000 DST \_\_\_\_\_  
 Top Packer Depth 3052 Bottom Packer Depth 3057 Number of Packers 2  
 Tested From 3057 to 3069 Total Depth 3069 Anchor Length 12  
 Test # 1 Formation Tested Lansing / KC Hole Size 7 7/8  
 Initial Blow Weak But Building Blow Built in into bucket in 30min  
 Blow back on the 1st Shut-in NO Blowback  
 Final Blow Weak Surface Blow But Building Built 2 inch into bucket in 30min  
 Blow back on the 2nd Shut-in NO Blowback  
 Initial Hydrostatic 1479 P.S.I. Final Hydrostatic 1451 P.S.I. Maximum Temp. 97 F

Initial Opening	<u>30</u> P.S.I. to <u>32</u> P.S.I.	from	<u>3:01 pm</u> to <u>3:31 pm</u>	<u>30</u> minutes
Initial Shut-in	<u>498</u> P.S.I.	from	<u>3:31 pm</u> to <u>4:01 pm</u>	<u>30</u> minutes
Final Opening	<u>32</u> P.S.I. to <u>33</u> P.S.I.	from	<u>4:01 pm</u> to <u>4:31 pm</u>	<u>30</u> minutes
Final Shut-in	<u>219</u> P.S.I.	from	<u>4:31 pm</u> to <u>5:01 pm</u>	<u>30</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>15</u>	<u>Drilling mud</u>	<u>-</u>	<u>-</u>	<u>100</u>	<u>-</u>

Total Feet Recovered 15 Recovery Chlorides \_\_\_\_\_ Rw. \_\_\_\_\_ ohms @ \_\_\_\_\_ Degrees  
 Gravity of oil \_\_\_\_\_ Corrected Gas to Surface in \_\_\_\_\_ minutes into the \_\_\_\_\_  
 Max. Gas Gauged \_\_\_\_\_ MCF/day See Gas Flow Report Was a gas sample taken \_\_\_\_\_  
 Comments \_\_\_\_\_

Extra Equipment-Jars \_\_\_\_\_ Safety Joint \_\_\_\_\_ Circulating Sub \_\_\_\_\_ Straddle \_\_\_\_\_  
 Electronic Recorder No. 47441 Depth 3065 Extra Packer (3rd) \_\_\_\_\_ Hook Wall \_\_\_\_\_  
 Bottom Recorder No. 13214 Depth 3066 Extra Packer (4th) \_\_\_\_\_ Sampler \_\_\_\_\_  
 Tool Operator [Signature] Approved By \_\_\_\_\_

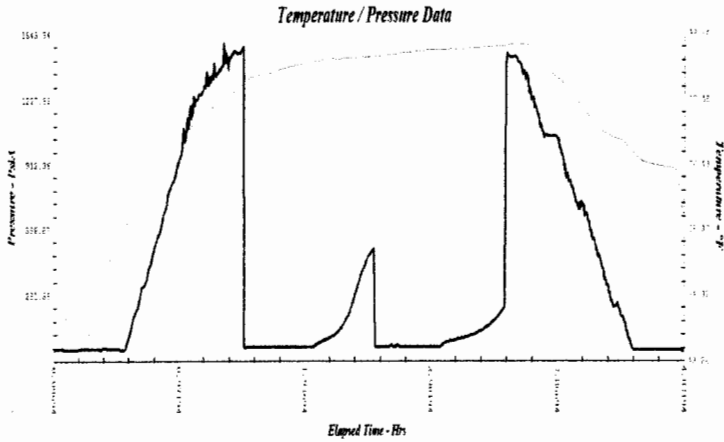
Ticket No. 15483

# SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



<b>1</b>	Initial Hydrostatic Pressure	1479
<b>2</b>	Initial Flow Pressure	30
<b>3</b>	Final Initial Flow Pressure	32
<b>4</b>	Initial Shut-In Pressure	498
<b>5</b>	Initial Final Flow Pressure	32
<b>6</b>	Final Flow Pressure	33
<b>7</b>	Final Shut-In Pressure	219
<b>8</b>	Final Hydrostatic Pressure	1451

Maximum Temperature      97

### GENERAL INFORMATION

COMPANY NAME ..... <b>RJM COMPANY</b>	
TEST DATE ..... <b>4/1/08</b>	LEASE AND WELL NUMBER ..... <b>BUTCH #2</b>
SECTION-TOWN-RANGE ..... <b>18-18-10W</b>	FORMATION TESTED ..... <b>LANSING / KC</b>
STATE ..... <b>KANSAS</b>	DRILL STEM TEST NUMBER ..... <b>1</b>
COUNTY ..... <b>RICE</b>	REPORT NUMBER ..... <b>15483</b>
ELEVATION GROUND LEVEL ..... <b>1755</b>	ELEVATION KELLY BUSHINGS ..... <b>1762</b>
COMPANY REPRESENTATIVE ..... <b>JIM MUSGROVE</b>	TESTING ENGINEER ..... <b>JARED SCHECK</b>

### TOOL SETTING INFORMATION

TEST INTERVAL (From) ..... <b>3057</b>	TOP PACKER DEPTH ..... <b>3052</b>
TEST INTERVAL (to) ..... <b>3069</b>	BOTTOM PACKER DEPTH ..... <b>3057</b>
ANCHOR LENGTH ..... <b>12</b>	NUMBER OF PACKERS ..... <b>2</b>
TOTAL DEPTH (ft) ..... <b>3069</b>	PACKER SIZE ..... <b>6 3/4</b>
	HOLE SIZE ..... <b>7 7/8</b>

### FLOW TIMES

<i>INITIAL OPEN</i>		<i>FINAL OPEN</i>	
TOOL OPEN (from) ..... <b>3:01P</b>		TOOL OPEN (from) ..... <b>4:01</b>	
TOOL OPEN (to) ..... <b>3:31</b>		TOOL OPEN (to) ..... <b>4:31</b>	
DURATION (min.) ..... <b>30</b>		DURATION (min.) ..... <b>30</b>	
<i>INITIAL SHUT-IN</i>		<i>FINAL SHUT-IN</i>	
TOOL CLOSED (from) ..... <b>3:31</b>		TOOL CLOSED (from) ..... <b>4:31</b>	
TOOL CLOSED (to) ..... <b>4:01</b>		TOOL CLOSED (to) ..... <b>5:01P</b>	
DURATION (min.) ..... <b>30</b>		DURATION (min.) ..... <b>30</b>	

### INITIAL FLOW

**WEAK BUT BUILDING BLOW BUILT 1 INCH INTO BUCKET IN 30 MIN  
NO BLOW BACK**

### FINAL FLOW

**WEAK BUT BUILDING SURFACE BLOW BUILT 1/2 INCH INTO BUCKET IN 30 MIN  
NO BLOW BACK**

Company: **RJM COMPANY**      Lease & Well No. **BUTCH # 2**      Test #: **1**      Date: **4 - 01 - 08**      SEC. **18**      TWP. **18**  
**RGE. 10**

15-159

# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

### GENERAL INFORMATION

COMPANY NAME .....	RJM COMPANY	LEASE AND WELL NUMBER .....	BUTCH #2
TEST DATE .....	4/1/08	FORMATION TESTED .....	LANSING / KC
SECTION-TOWN-RANGE .....	18-18-10W	DRILL STEM TEST NUMBER .....	1
STATE .....	KANSAS	REPORT NUMBER .....	15483
COUNTY .....	RICE	ELEVATION KELLY BUSHINGS .....	1762
ELEVATION GROUND LEVEL .....	1755	TESTING ENGINEER .....	JARED SCHECK
COMPANY REPRESENTATIVE .....	JIM MUSGROVE		

### EXTRA EQUIPMENT

JARS .....	NO	EXTRA PACKER (3RD) .....	NO
SAFETY JOINT .....	NO	EXTRA PACKER (4TH) .....	NO
ELECTRONIC RECORDER .....	YES	STRADDLE .....	NO
CIRCULATING SUB .....	NO	HOOK WALL .....	NO
		SAMPLER .....	NO
	<b>50 MILES ROUND TRIP FROM</b>	<b>GREAT BEND</b>	
TOP RECORDER DEPTH .....	3065	BOTTOM RECORDER DEPTH .....	3066
RECORDER NUMBER .....	4023	RECORDER NUMBER .....	3088

### WELL INFORMATION

DRILLING CONTRACTOR .....	ROYAL DRILLING RIG #1	DRILL COLLAR LENGTH .....	
DRILL PIPE LENGTH .....	3038	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.		
CHLORIDES-PITS .....	4,000	MUD WEIGHT #/GAL .....	8.7
CHLORIDES-DST .....		VISCOSITY .....	48
		WATER LOSS .....	8

### COMMENTS



# Superior Testers Enterprises L.L.C.

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Company RJM Company  
 Address PO Box 256 Claflin KS 67525 + 0256  
 Lease & # Butch #2 Sec. 18 Twp 18 Rng 10w  
 Date 4-2-2008 County Rice Elevation 1755 G.L. 1762 K.B.  
 Drilling Contractor Royal Drilling Rig #1  
 Drill Pipe Length 3224 I.D. of Drill Pipe 3.8 Tool Joint Size 4 1/2 X 4  
 Drill Collar Length \_\_\_\_\_ I.D. of Drill Collars 2.25 Tool Joint Size 4 1/2 X 4  
 Mud Weight 8.9 Viscosity 50 Filtrate 9.6 Chlorides-Pits 5,000 DST \_\_\_\_\_  
 Top Packer Depth 3238 Bottom Packer Depth 3243 Number of Packers 2  
 Tested From 3243 to 3277 Total Depth 3277 Anchor Length 34  
 Test # 2 Formation Tested Arbuckle Hole Size 7 7/8  
 Initial Blow Fair Blow Bottom of Bucket in 10 min

Blow back on the 1st Shut-in NO Blow Back

Final Blow Fair Blow Bottom of Bucket in 15 min

Blow back on the 2nd Shut-in NO Blow Back

Initial Hydrostatic 1045 P.S.I. Final Hydrostatic 1585 P.S.I. Maximum Temp. 106 F

Initial Opening <u>416</u> P.S.I. to <u>119</u> P.S.I. from <u>11:55</u> Am to <u>12:25</u> pm <u>30</u> minutes
Initial Shut-in <u>799</u> P.S.I. from <u>12:25</u> pm to <u>12:55</u> pm <u>30</u> minutes
Final Opening <u>123</u> P.S.I. to <u>170</u> P.S.I. from <u>12:55</u> pm to <u>1:25</u> pm <u>30</u> minutes
Final Shut-in <u>833</u> P.S.I. from <u>1:25</u> pm to <u>2:10</u> pm <u>45</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<del>160</del>	Gas in pipe				
<u>240</u>	slightly gassy clean oil	<u>10</u>	<u>90</u>		
<u>120</u>	slightly gassy clean oil cut mud	<u>10</u>	<u>60</u>	<u>30</u>	

Total Feet Recovered 420 Recovery Chlorides \_\_\_\_\_ Rw. \_\_\_\_\_ ohms @ \_\_\_\_\_ Degrees  
 Gravity of oil 42 Corrected Gas to Surface in \_\_\_\_\_ minutes into the \_\_\_\_\_  
 Max. Gas Gauged \_\_\_\_\_ MCF/day See Gas Flow Report Was a gas sample taken \_\_\_\_\_  
 Comments \_\_\_\_\_

Extra Equipment-Jars \_\_\_\_\_ Safety Joint \_\_\_\_\_ Circulating Sub \_\_\_\_\_ Straddle \_\_\_\_\_  
 Electronic Recorder No. 47441 Depth 3273 Extra Packer (3rd) \_\_\_\_\_ Hook Wall \_\_\_\_\_  
 Bottom Recorder No 13214 Depth 3274 Extra Packer (4th) \_\_\_\_\_ Sampler \_\_\_\_\_  
 Tool Operator [Signature] Approved By \_\_\_\_\_

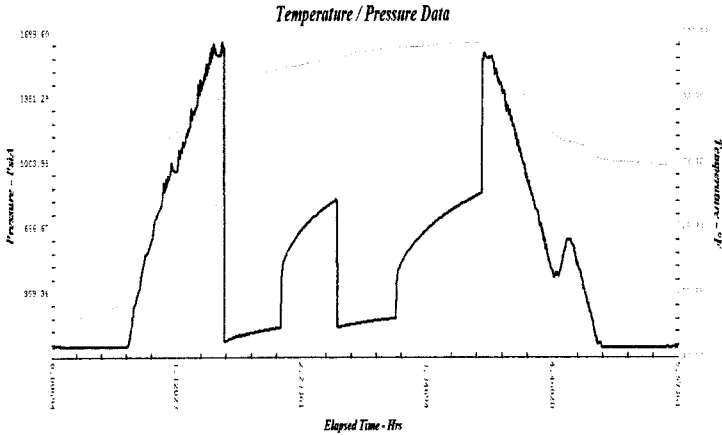
Ticket No 15484

# SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



Tool serial number: 93395  
Test start: 04/02/2008 15:00:00

1	Initial Hydrostatic Pressure	645
2	Initial Flow Pressure	46
3	Final Initial Flow Pressure	119
4	Initial Shut-In Pressure	799
5	Initial Final Flow Pressure	123
6	Final Flow Pressure	170
7	Final Shut-In Pressure	833
8	Final Hydrostatic Pressure	1585

Maximum Temperature      106

### GENERAL INFORMATION

COMPANY NAME ..... <b>RJM COMPANY</b>	LEASE AND WELL NUMBER ..... <b>BUTCH #2</b>
TEST DATE ..... <b>4/2/08</b>	FORMATION TESTED ..... <b>ARBUCKLE</b>
SECTION-TOWN-RANGE ..... <b>18-18-10W</b>	DRILL STEM TEST NUMBER ..... <b>2</b>
STATE ..... <b>KANSAS</b>	REPORT NUMBER ..... <b>15484</b>
COUNTY ..... <b>RICE</b>	ELEVATION KELLY BUSHINGS ..... <b>1762</b>
ELEVATION GROUND LEVEL ..... <b>1755</b>	TESTING ENGINEER ..... <b>JARED SCHECK</b>
COMPANY REPRESENTATIVE ..... <b>JIM MUSGROVE</b>	

### TOOL SETTING INFORMATION

TEST INTERVAL (From) ..... <b>3243</b>	TOP PACKER DEPTH ..... <b>3238</b>
TEST INTERVAL (to) ..... <b>3277</b>	BOTTOM PACKER DEPTH ..... <b>3243</b>
ANCHOR LENGTH ..... <b>34</b>	NUMBER OF PACKERS ..... <b>2</b>
TOTAL DEPTH (ft) ..... <b>3277</b>	PACKER SIZE ..... <b>6 3/4</b>
	HOLE SIZE ..... <b>7 7/8</b>

### FLOW TIMES

<i>INITIAL OPEN</i>	<i>FINAL OPEN</i>
TOOL OPEN (from) ..... <b>11:55A</b>	TOOL OPEN (from) ..... <b>12:55</b>
TOOL OPEN (to) ..... <b>12:25</b>	TOOL OPEN (to) ..... <b>1:25</b>
DURATION (min.) ..... <b>30</b>	DURATION (min.) ..... <b>30</b>
<i>INITIAL SHUT-IN</i>	<i>FINAL SHUT-IN</i>
TOOL CLOSED (from) ..... <b>12:25</b>	TOOL CLOSED (from) ..... <b>1:25</b>
TOOL CLOSED (to) ..... <b>12:55P</b>	TOOL CLOSED (to) ..... <b>2:10</b>
DURATION (min.) ..... <b>30</b>	DURATION (min.) ..... <b>45</b>

**INITIAL FLOW      FAIR BLOW BOTTOM OF BUCKET IN 10 MIN  
NO BLOW BACK**

**FINAL FLOW      FAIR BLOW BUILT BOTTOM OF BUCKET IN 15 MIN  
NO BLOW BACK**

**Company: RJM COMPANY      Lease & Well No. BUTCH # 2      Test #: 2      Date: 4 - 2 - 08      SEC. 18      TWP. 18**  
**RGE. 10**

10-159

**SUPERIOR TESTERS ENTERPRISES L.L.C.**

**DRILL STEM TEST REPORT**

**GREAT BEND ,KANSAS 67530 (800)792-6902**

**GENERAL INFORMATION**

COMPANY NAME .....	<b>RJM COMPANY</b>	LEASE AND WELL NUMBER .....	<b>BUTCH #2</b>
TEST DATE .....	<b>4/2/08</b>	FORMATION TESTED .....	<b>ARBUCKLE</b>
SECTION-TOWN-RANGE .....	<b>18-18-10W</b>	DRILL STEM TEST NUMBER .....	<b>2</b>
STATE .....	<b>KANSAS</b>	REPORT NUMBER .....	<b>15484</b>
COUNTY .....	<b>RICE</b>	ELEVATION KELLY BUSHINGS .....	<b>1762</b>
ELEVATION GROUND LEVEL .....	<b>1755</b>	TESTING ENGINEER .....	<b>JARED SCHECK</b>
COMPANY REPRESENTATIVE .....	<b>JIM MUSGROVE</b>		

**EXTRA EQUIPMENT**

JARS .....	<b>NO</b>	EXTRA PACKER (3RD) .....	<b>NO</b>
SAFETY JOINT .....	<b>NO</b>	EXTRA PACKER (4TH) .....	<b>NO</b>
ELECTRONIC RECORDER .....	<b>YES</b>	STRADDLE .....	<b>NO</b>
CIRCULATING SUB .....	<b>NO</b>	HOOK WALL .....	<b>NO</b>
	<b>50 MILES ROUND TRIP FROM</b>	SAMPLER .....	<b>NO</b>
	<b>GREAT BEND</b>		
TOP RECORDER DEPTH .....	<b>3273</b>	BOTTOM RECORDER DEPTH .....	<b>3274</b>
RECORDER NUMBER .....	<b>4023</b>	RECORDER NUMBER .....	<b>3088</b>

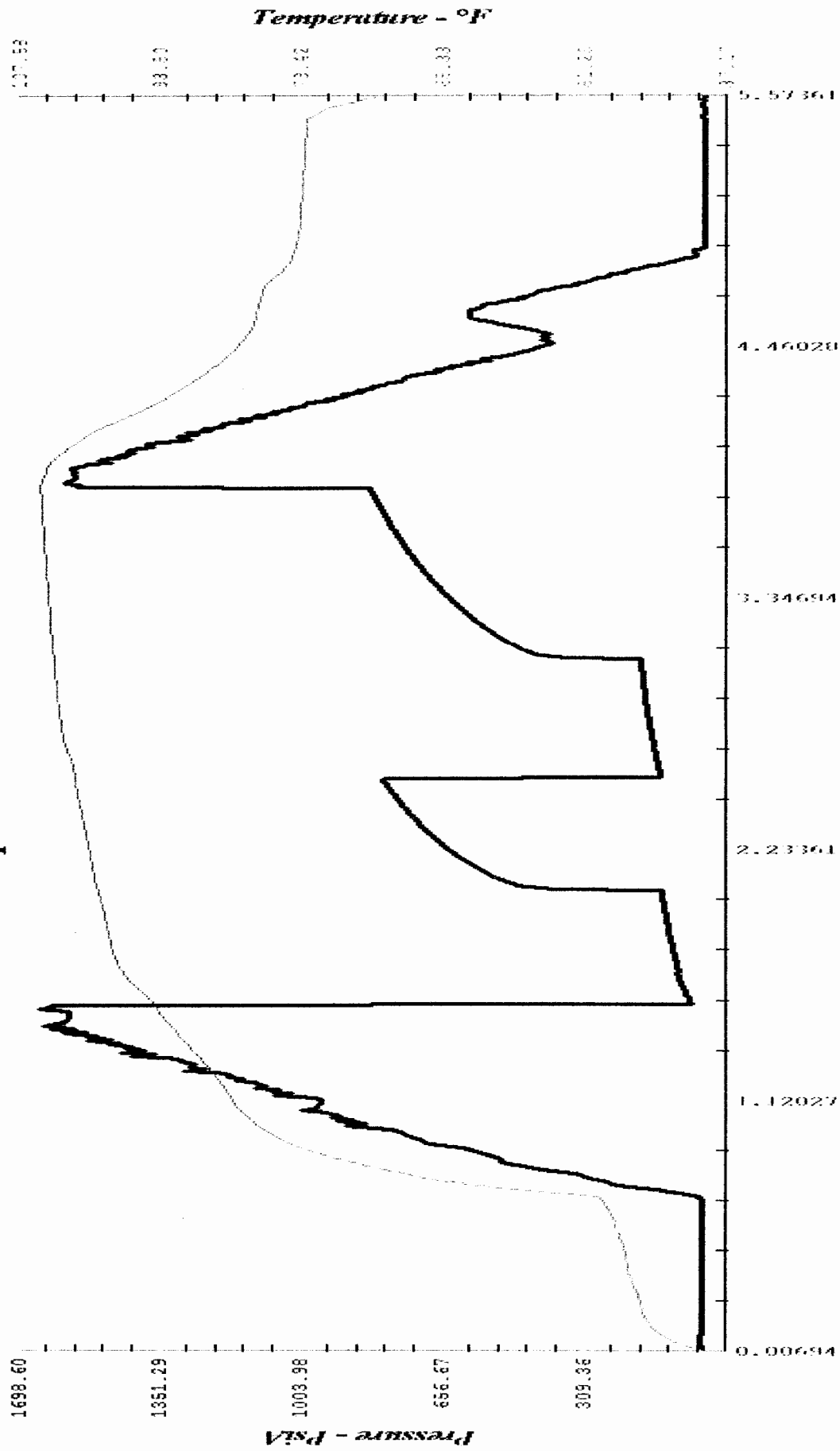
**WELL INFORMATION**

DRILLING CONTRACTOR .....	<b>ROYAL DRILLING RIG #1</b>	DRILL COLLAR LENGTH .....	
DRILL PIPE LENGTH .....	<b>3224</b>	DRILL COLLAR I.D. ....	<b>2.25</b>
DRILL PIPE I.D. ....	<b>3.8</b>	TOOL JOINT SIZE .....	<b>4 1/2 X.H.</b>
TOOL JOINT SIZE .....	<b>4 1/2 X.H.</b>		
CHLORIDES-PITS .....	<b>5,000</b>	MUD WEIGHT #/GAL .....	<b>8.9</b>
CHLORIDES-DST .....		VISCOSITY .....	<b>50</b>
		WATER LOSS .....	<b>9.6</b>

**COMMENTS**



# Temperature / Pressure Data



Tool serial number: 93335  
Test start: 04/02/2008 16:08:00

RJM COMPANY BUTCH #2 18-18-10W 4-2-08 DST#2