

C+K Oil Co.  
Mantel 7

18-20s-10w  
15-159-22465

# Superior Testers Enterprises, Inc.

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

Date 07-13-2005 Location S 1/2 N 1/4 18-20-10w Elevation 177766 County Rice

Company C+K Oil Company Number of Copies 5

Charts Mailed to P.O. Box 531 CLAPLIN KANSAS 67525

Drilling Contractor Vanfeldt Drilling

Length Drill Pipe 3010 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H

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

Length Drill Collars 30 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H

Top Packer Depth 3054 Bottom Packer Depth 3059 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3059 TO 3126 ANCHOR LENGTH 67 TOTAL DEPTH 3126 Hole Size 7 7/8"

LEASE & WELL NO. Mantel #7 FORMATION TESTED Kansas City "G" TEST NO. 1

Mud Weight 9.4 Viscosity 42 Water Loss 10.7 Chlorides - Pits 5000 D.S.T. 112000

Maximum Temp. 104 °F Initial Hydrostatic Pressure (A) 1502 P.S.I. Final Hydrostatic Pressure (H) 1453 P.S.I.

Tool Open I.F.P. from 9:00 p.m. to 9:30 p.m. 30 min

Tool Closed I.C.I.P. from 9:30 p.m. to 10:00 p.m. 30 min

Tool Open F.F.P. from 10:00 p.m. to 10:45 p.m. 45 min

Tool Closed F.C.I.P. from 10:45 p.m. to 11:45 p.m. 60 min

Initial Blow Fair blow built to the bottom in 4 minutes with Gas in 25 minutes

Final Blow Strong blow - See Gas Flow Record

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

60 Feet of Gassy mud % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

120 Feet of Slightly watery Gassy mud % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

120 Feet of Gassy slightly mud and water % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

\_\_\_\_\_ Feet of CHLORIDES 112000 % 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 NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 4005 Clock No. Electronic Depth 3126 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47441 Depth 3123 Insurance NONE

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

Tool Operator Gene Budy

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

No. 14907

from [B]	<u>74</u>	P.S.I. to [C]	<u>117</u>	P.S.I.
[D]	<u>563</u>			P.S.I.
from [E]	<u>118</u>	P.S.I. to [F]	<u>171</u>	P.S.I.
[G]	<u>705</u>			P.S.I.

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18-20-10w

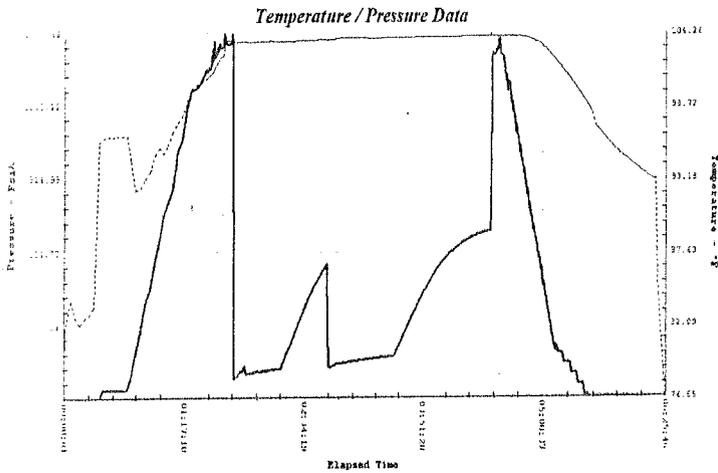
# SUPERIOR TESTERS ENTERPRISES L.L.C.

## DRILL STEM TEST REPORT

1(800)792-6902

GREAT BEND, KANSAS 67530

Company: C & K OIL COMPANY  
 20S RGE.10W  
 Lease & Well No. MANTEL #7  
 Test #: 1  
 Date: 07-13-2005  
 SEC. 18 TWP.



- |   |                              |      |
|---|------------------------------|------|
| 1 | Initial Hydrostatic Pressure | 1503 |
| 2 | Initial Flow Pressure        | 74   |
| 3 | Final Initial Flow Pressure  | 117  |
| 4 | Initial Shut-In Pressure     | 563  |
| 5 | Initial Final Flow Pressure  | 118  |
| 6 | Final Flow Pressure          | 171  |
| 7 | Final Shut-In Pressure       | 705  |
| 8 | Final Hydrostatic Pressure   |      |

Maximum Temperature

**GENERAL INFORMATION**

COMPANY NAME ..... C & K OIL COMPANY

TEST DATE ..... 7/18/05

SECTION-TOWN-RANGE ..... 18-20S-10W

STATE ..... KANSAS

COUNTY ..... RICE

ELEVATION GROUND LEVEL ..... 1777

COMPANY REPRESENTATIVE ..... JIM MUSGROVE

LEASE AND WELL NUMBER ..... MANTEL #7

FORMATION TESTED ..... KANSAS CITY "G"

DRILL STEM TEST NUMBER ..... 1

REPORT NUMBER ..... 14907

ELEVATION KELLY BUSHINGS ..... 1783

TESTING ENGINEER ..... GENE BUDIG

**TOOL SETTING INFORMATION**

TEST INTERVAL (From) ..... 3059

TEST INTERVAL (to) ..... 3126

ANCHOR LENGTH ..... 67

TOTAL DEPTH (ft) ..... 3126

TOP PACKER DEPTH ..... 3054

BOTTOM PACKER DEPTH ..... 3059

NUMBER OF PACKERS ..... 2

PACKER SIZE ..... 6 3/4

HOLE SIZE ..... 7 7/8

**FLOW TIMES**

TOOL OPEN (from) ..... 9:00

INITIAL OPEN TOOL OPEN (to) ..... 9:30

DURATION (min.) ..... 30

TOOL CLOSED (from) ..... 9:30

INITIAL SHUT-IN TOOL CLOSED (to) ..... 10:00

DURATION (min.) ..... 30

TOOL OPEN (from) ..... 10:00

FINAL OPEN TOOL OPEN (to) ..... 10:45

DURATION (min.) ..... 45

TOOL CLOSED (from) ..... 10:45

FINAL SHUT-IN TOOL CLOSED (to) ..... 11:45

DURATION (min.) ..... 60

INITIAL FLOW FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 4 MINUTES  
 WITH GAS TO SURFACE IN 25 MINUTES

FINAL FLOW STRONG BLOW-SEE GAS FLOW REPORT

FEET OF	RECOVERY	%	%	%	%
Recovery	DESCRIPTION	GAS	OIL	MUD	WATER
1) 60	GASSY MUD				
2) 120	SLIGHTLY WATERY GASSY MUD MUD				
3) 120	GASSY SLIGHTLY MUD CUT WATER CHLORIDES 1120000				
4)					
5)					
6)					



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

GREAT BEND, KANSAS

**GAS FLOW RATE**

(800) 792-6902

#

<b>STATE</b> ..... KANSAS	<b>Test Date</b> .....	1/0/1900
<b>COUNTY</b> ..... RICE	<b>Sec Town Range</b> .....	18-20S-10W
<b>FIELD</b> .....	<b>Report Number</b> .....	14907

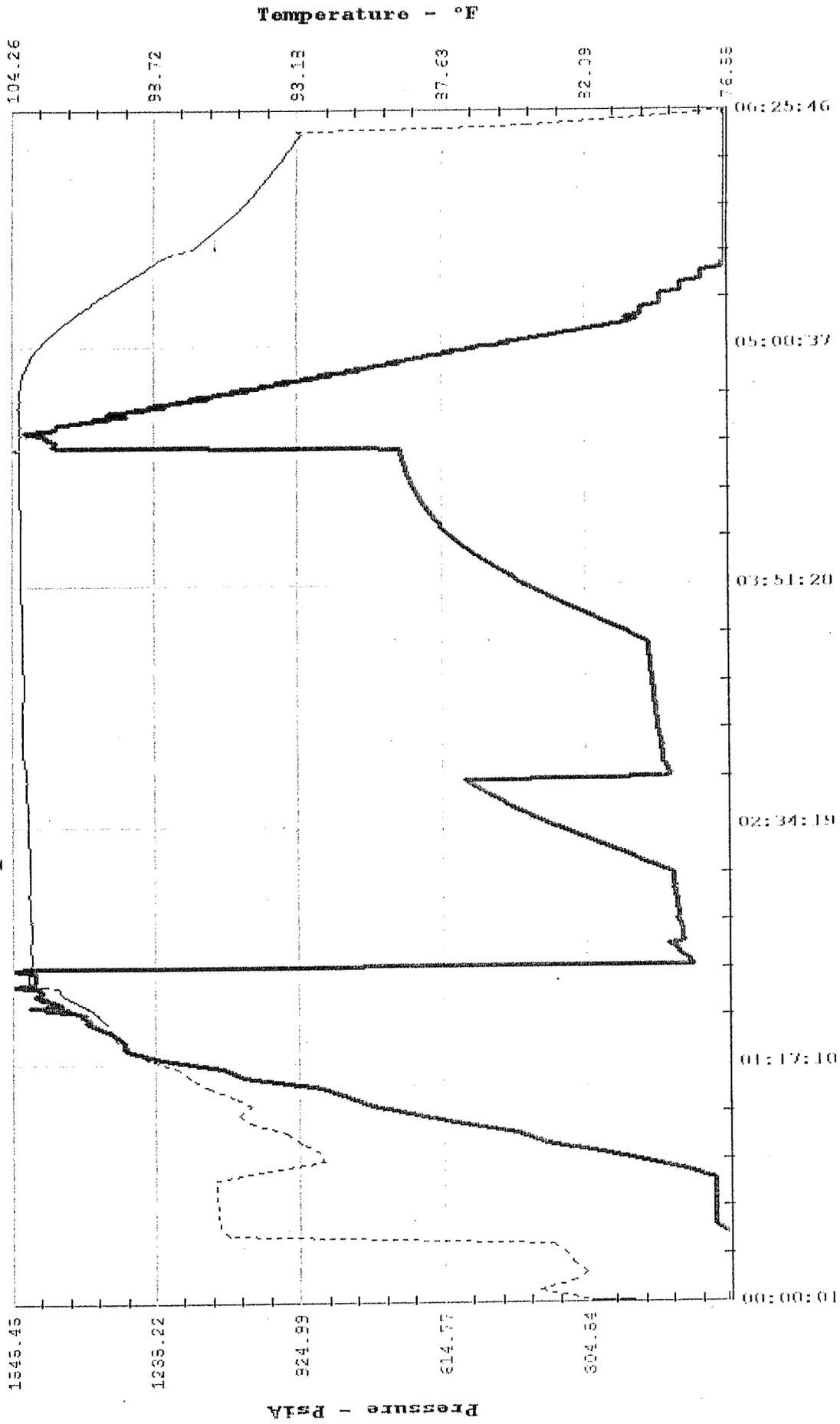
**Initial Flow**

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)
TOOL OPENED AT 9:00 WITH GAS TO SURFACE IN 25 MINUTES AT 9:25	9:25	25	11			1/2	21.600
	9:30	30	6			1/2	15.400

**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)
TOOL OPENED AT 10:00	10:10	10	18			3/8	15.100
	10:20	20	15			3/8	13.900
	10:30	30	12			3/8	12.400
	10:40	40	12			3/8	12.400
	10:45	45	12			3/8	12.400

# Temperature / Pressure Data



C & K OIL COMPANY      MANTEL #7      18-20S-10W      07-13-2005

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 07-14-2005 Location 3/2-1/4 N 18-20 3/4 W Elevation 1777 County Rice

Company C&K Oil Company Number of Copies 5

Charts Mailed to P.O. Box 531 Clarlin Kansas 67525

Drilling Contractor Vonfeldt Drilling Rig # 1

Length Drill Pipe 3154 I.D. Drill Pipe 3.50 Tool Joint Size 4 1/2" X H

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

Length Drill Collars 30 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X H

Top Packer Depth 3198-3203 Bottom Packer Depth 3251-3256 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3203 TO 3251 ANCHOR LENGTH 48 TOTAL DEPTH 3362 Hole Size 7 7/8

LEASE & WELL NO. Montel #7 FORMATION TESTED Kansas City "J" TEST NO. 2

Mud Weight 9.3 Viscosity 44 Water Loss 9.4 Chlorides - Pits 7000 D.S.T. \_\_\_\_\_

Maximum Temp. 104 °F Initial Hydrostatic Pressure (A) 1538 P.S.I. Final Hydrostatic Pressure (H) 1518 P.S.I.

Tool Open I.F.P. from 12:50 A m to 1:10 A m 20 min

Tool Closed I.C.I.P. from 1:10 A m to 1:30 A m 20 min

Tool Open F.F.P. from 1:30 A m to 1:50 A m 20 min

Tool Closed F.C.I.P. from 1:50 A m to 2:10 A m 20 min

Initial Blow WEAK SURFACE blow for 11 minutes & DIED

Final Blow NO blow

Total Feet Recovered 20 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_

20 Feet of Drilling mud no shows of oil or Gas % 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 None Safety Joint None Extra Packer yes-2 Straddle yes Hook Wall None

Top Recorder No. 4005 Clock No. Electronic Depth 3207 Cir. Sub None Sampler None

Bottom Recorder No. 5463 Clock No. 47441 Depth 3359 Insurance None

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

Tool Operator Jane Budy

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

No 14908

from [B] <u>10</u> P.S.I. to [C] <u>11</u> P.S.I.
[D] <u>339</u> P.S.I.
from [E] <u>13</u> P.S.I. to [F] <u>16</u> P.S.I.
[G] <u>45</u> P.S.I.

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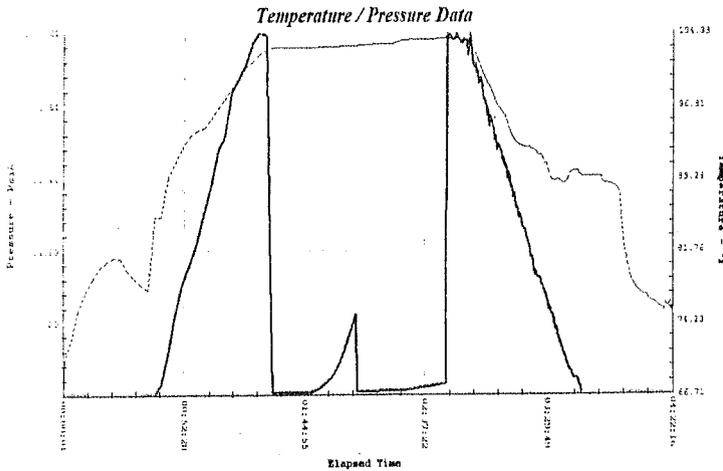
# SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

## DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: C & K OIL COMPANY  
 20S RGE. 10W  
 Lease & Well No. MANTEL #7  
 Test #: 2  
 Date: 07-14-2005  
 SEC. 18 TWP.



1	Initial Hydrostatic Pressure	1538
2	Initial Flow Pressure	10
3	Final Initial Flow Pressure	11
4	Initial Shut-In Pressure	339
5	Initial Final Flow Pressure	13
6	Final Flow Pressure	16
7	Final Shut-In Pressure	45
8	Final Hydrostatic Pressure	1518
Maximum Temperature		104

### GENERAL INFORMATION

COMPANY NAME ..... C & K OIL COMPANY	
TEST DATE ..... 7/14/05	LEASE AND WELL NUMBER ..... MANTEL #7
SECTION-TOWN-RANGE ..... 18-20S-10W	FORMATION TESTED ..... KANSAS CITY "J"
STATE ..... KANSAS	DRILL STEM TEST NUMBER ..... 2
COUNTY ..... RICE	REPORT NUMBER ..... 14908
ELEVATION GROUND LEVEL ..... 1777	ELEVATION KELLY BUSHINGS ..... 1783
COMPANY REPRESENTATIVE ..... JIM MUSGROVE	TESTING ENGINEER ..... GENE BUDIG

### TOOL SETTING INFORMATION

TEST INTERVAL (From) ..... 3203	TOP PACKER DEPTH ..... 3198-3203
TEST INTERVAL (to) ..... 3251	BOTTOM PACKER DEPTH ..... 3251-3256
ANCHOR LENGTH ..... 48	NUMBER OF PACKERS ..... 4
TOTAL DEPTH (ft) ..... 3251	PACKER SIZE ..... 6 3/4
	HOLE SIZE ..... 7 7/8

### FLOW TIMES

TOOL OPEN (from) ..... 12:50	TOOL OPEN (from) ..... 1:30
INITIAL OPEN TOOL OPEN (to) ..... 1:10	FINAL OPEN TOOL OPEN (to) ..... 1:50
DURATION (min.) ..... 20	DURATION (min.) ..... 20
TOOL CLOSED (from) ..... 1:10	TOOL CLOSED (from) ..... 1:50
INITIAL SHUT-IN TOOL CLOSED (to) ..... 1:30	FINAL SHUT-IN TOOL CLOSED (to) ..... 2:10
DURATION (min.) ..... 20	DURATION (min.) ..... 20

INITIAL FLOW      WEAK SURFACE BLOW FOR 11 MINUTES AND DIED

FINAL FLOW      NO BLOW

FEET OF	RECOVERY	DESCRIPTION	%	%	%	%
Recovery			GAS	OIL	MUD	WATER
1) 20		drilling mud with no shows of oil or gas				
2)						
3)						
4)						
5)						
6)						

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

**DRILL STEM TEST REPORT**

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

**GENERAL INFORMATION**

COMPANY NAME ..... **C & K OIL COMPANY**  
TEST DATE ..... **7/14/05**  
SECTION-TOWN-RANGE ..... **18-20S-10W**  
STATE ..... **KANSAS**  
COUNTY ..... **RICE**  
ELEVATION GROUND LEVEL ..... **1777**  
COMPANY REPRESENTATIVE ..... **JIM MUSGROVE**  
LEASE AND WELL NUMBER ..... **MANTEL #7**  
FORMATION TESTED ..... **KANSAS CITY "J"**  
DRILL STEM TEST NUMBER ..... **2**  
REPORT NUMBER ..... **14908**  
ELEVATION KELLY BUSHINGS ..... **1783**  
TESTING ENGINEER ..... **GENE BUDIG**

**EXTRA EQUIPMENT**

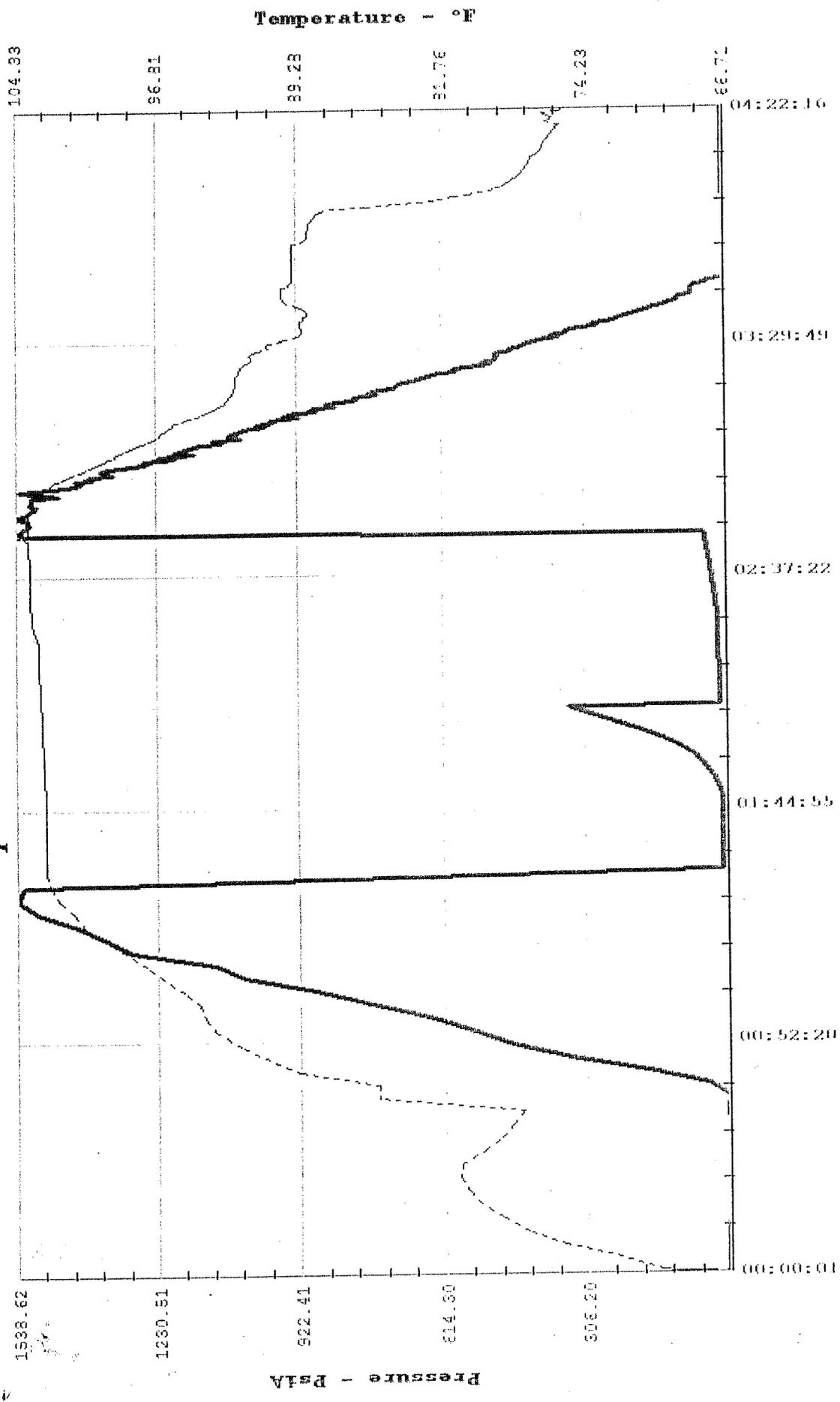
JARS ..... **NO**  
SAFETY JOINT ..... **NO**  
ELECTRONIC RECORDER ..... **YES**  
CIRCULATING SUB ..... **NO**  
**42 MILES ROUND TRIP FROM GREAT BEND**  
TOP RECORDER DEPTH ..... **3207**  
RECORDER NUMBER ..... **4005**  
EXTRA PACKER (3RD) ..... **YES**  
EXTRA PACKER (4TH) ..... **YES**  
STRADDLE ..... **YES**  
HOOK WALL ..... **NO**  
SAMPLER ..... **NO**  
BOTTOM RECORDER DEPTH ..... **3208**  
RECORDER NUMBER ..... **5463**

**WELL INFORMATION**

DRILLING CONTRACTOR ..... **VONFELDT DRILLING**  
DRILL PIPE LENGTH ..... **3154**  
DRILL PIPE I.D. .... **3.8**  
TOOL JOINT SIZE ..... **4 1/2 X.H.**  
DRILL COLLAR LENGTH ..... **30**  
DRILL COLLAR I.D. .... **2.25**  
TOOL JOINT SIZE ..... **4 1/2 X.H.**  
WEIGHT PIPE LENGTH .....  
WEIGHT PIPE I.D. .... **2.25**  
TOOL JOINT SIZE ..... **4 1/2 X.H.**  
MUD WEIGHT #/GAL ..... **9.3**  
VISCOSITY ..... **44**  
WATER LOSS ..... **9.6**  
CHLORIDES-PITS ..... **7000**  
CHLORIDES-DST .....

**COMMENTS**

# Temperature / Pressure Data



C & K OIL COMPANY      MANTEL #7      18-20S-10W      07-14-2005