

Ruth 1-4 15-195-22343

4-11s-214KCC

Superior Testers Enterprises, Inc.

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

(316) 792-6902 KB2169

MAY 26 2006

CONFIDENTIAL

Date 4-6-06 Location 4-11-21^W Elevation 2164 County Trego

Company Murfin Drilling Company Inc. Number of Copies 5

Charts Mailed to 250 N Water, Suite 300 Wichita KS 67202

Drilling Contractor Murfin Drilling Co. #24

Length Drill Pipe 5071 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 125 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3212 Bottom Packer Depth 3217 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3217 TO 3235 ANCHOR LENGTH 18 TOTAL DEPTH 3235 Hole Size 7 1/2

LEASE & WELL NO. Ruth # 1-4 FORMATION TESTED TEST NO. 1

Mud Weight 8.6 Viscosity 50 Water Loss 7.6 Chlorides - Pits 3,700 D.S.T. 86,000

Maximum Temp. 108 °F Initial Hydrostatic Pressure (A) 1439 P.S.I. Final Hydrostatic Pressure (H) 1429 P.S.I.

Tool Open I.F.P. from 11:35 m to 12:05 m 30 min

Tool Closed I.C.I.P. from 12:05 m to 1:05 m 60 min

Tool Open F.F.P. from 1:05 m to 1:50 m 45 min

Tool Closed F.C.I.P. from 1:50 m to 2:50 m 60 min

| |
|---------------------------------------|
| from [B] 50 P.S.I. to [C] 131 P.S.I. |
| [D] 904 P.S.I. |
| from [E] 134 P.S.I. to [F] 181 P.S.I. |
| [G] 924 P.S.I. |

Initial Blow Weak blow built to 7 inches in 5 gallon bucket in 30 minutes

Final Blow Very weak blow built to 4 inches in 5 gallon bucket in 45 minutes

Total Feet Recovered Gravity of Oil Corrected

5 Feet of mud cut oil % Gas 75 % Oil 25 % Mud % Water

75 Feet of mud cut water % Gas % Oil 20 % Mud 80 % Water

120 Feet of 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

Remarks

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

Top Recorder No. 4005 Clock No. electronic Depth 3231 Cir. Sub Sampler

Bottom Recorder No. 38 75 Clock No. 3539 Depth 3232 Insurance

Price of Job

Tool Operator

Approved By

No. 14213

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.

RECEIVED

MAY 30 2006

KCC WICHITA

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

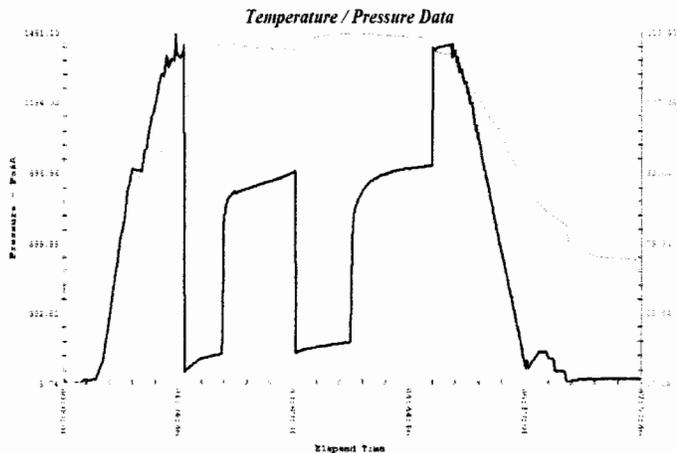
DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: MURFIN DRILLING COMPANY INC. 4 TWP. 11 RGE. 21W

Lease & Well No. RUTH #1-4

Test #: 1 Date: 04-06-2006 SEC.



| | | |
|---|------------------------------|------|
| 1 | Initial Hydrostatic Pressure | 1439 |
| 2 | Initial Flow Pressure | 56 |
| 3 | Final Initial Flow Pressure | 131 |
| 4 | Initial Shut-In Pressure | 904 |
| 5 | Initial Final Flow Pressure | 134 |
| 6 | Final Flow Pressure | 181 |
| 7 | Final Shut-In Pressure | 924 |
| 8 | Final Hydrostatic Pressure | 1429 |

Maximum Temperature 108

GENERAL INFORMATION

| | |
|---|---------------------------------------|
| COMPANY NAME MURFIN DRILLING COMPANY INC. | |
| TEST DATE 4/6/06 | LEASE AND WELL NUMBER RUTH 1-4 |
| SECTION-TOWN-RANGE 4-11-21W | FORMATION TESTED TOPEKA |
| STATE KANSAS | DRILL STEM TEST NUMBER 1 |
| COUNTY TREGO | REPORT NUMBER 14213 |
| ELEVATION GROUND LEVEL 2164 | ELEVATION KELLY BUSHINGS 2169 |
| COMPANY REPRESENTATIVE TERRY | TESTING ENGINEER NATHAN MANRING |

TOOL SETTING INFORMATION

| | |
|---------------------------------|--------------------------------|
| TEST INTERVAL (From) 3217 | TOP PACKER DEPTH 3212 |
| TEST INTERVAL (to) 3235 | BOTTOM PACKER DEPTH 3217 |
| ANCHOR LENGTH 18 | NUMBER OF PACKERS 2 |
| TOTAL DEPTH (ft) 3235 | PACKER SIZE 6 3/4 |
| | HOLE SIZE 7 7/8 |

FLOW TIMES

| | |
|---|---|
| TOOL OPEN (from) 11:35 | TOOL OPEN (from) 1:05 |
| INITIAL OPEN TOOL OPEN (to) 12:05 | FINAL OPEN TOOL OPEN (to) 1:50 |
| DURATION (min.) 30 | DURATION (min.) 45 |
| TOOL CLOSED (from) 12:05 | TOOL CLOSED (from) 1:50 |
| INITIAL SHUT-IN TOOL CLOSED (to) 1:05 | FINAL SHUT-IN TOOL CLOSED (to) 2:50 |
| DURATION (min.) 60 | DURATION (min.) 60 |

KCC
MAY 26 2006
CONFIDENTIAL

INITIAL FLOW

WEAK BLOW BUILT TO 7 INCHES IN 5 GALLON BUCKET IN 30 MINUTES

FINAL FLOW

VERY WEAK BLOW BUILT TO 4 INCHES IN 5 GALLON BUCKET IN 45 MINUTES

| | | RESISTIVITY | AT | DEGREES | CHLORIDES | 86.00 | | |
|---------|----------|---------------|----|---------|-----------|-------|-------|---------|
| FEET OF | RECOVERY | DESCRIPTION | | | % GAS | % OIL | % MUD | % WATER |
| 1) | 5 | MUD CUT OIL | | | | 75 | 25 | |
| 2) | 75 | MUD CUT WATER | | | | | 20 | 80 |
| 3) | 120 | MUD CUT WATER | | | | | 5 | 95 |
| 4) | | | | | | | | |
| 5) | | | | | | | | |

RECEIVED
MAY 30 2006
KCC WICHITA

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME MURFIN DRILLING COMPANY INC.
TEST DATE 4/6/06 LEASE AND WELL NUMBER RUTH 1-4
SECTION-TOWN-RANGE 4-11-21W FORMATION TESTED TOPEKA
STATE KANSAS DRILL STEM TEST NUMBER 1
COUNTY TREGO REPORT NUMBER 14213
ELEVATION GROUND LEVEL 2164 ELEVATION KELLY BUSHINGS 2169
COMPANY REPRESENTATIVE TERRY TESTING ENGINEER NATHAN MANNING

EXTRA EQUIPMENT

JARS NO EXTRA PACKER (3RD) NO
SAFETY JOINT YES EXTRA PACKER (4TH) NO
ELECTRONIC RECORDER YES STRADDLE NO
CIRCULATING SUB NO HOOK WALL NO
60 MILES ROUND TRIP FROM HAYS SAMPLER NO
TOP RECORDER DEPTH 3231 BOTTOM RECORDER DEPTH 3232
RECORDER NUMBER 91981 RECORDER NUMBER 6463

KCC
MAY 26 2006
CONFIDENTIAL

WELL INFORMATION

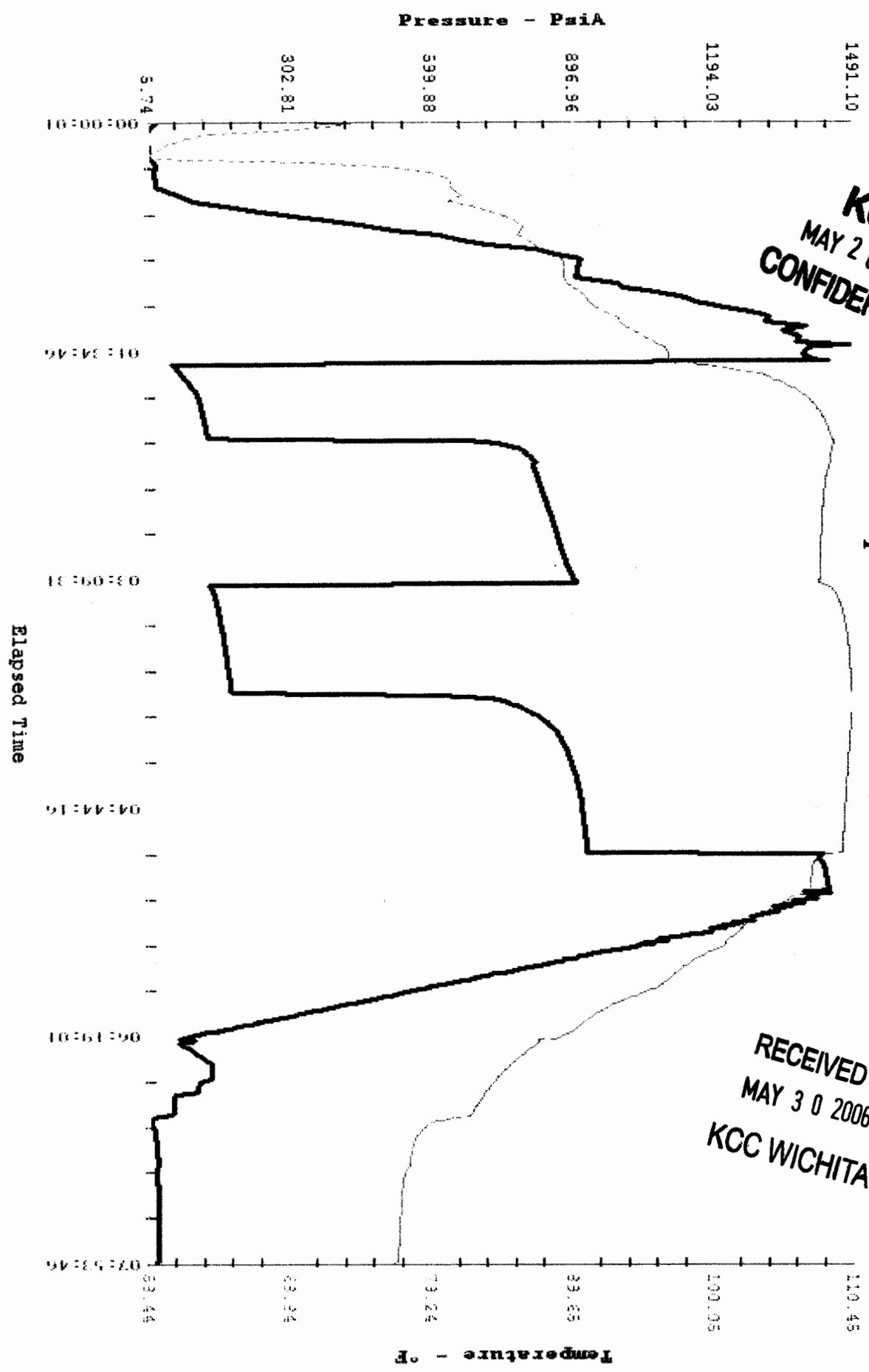
DRILLING CONTRACTOR MURFIN DRILLING RIG # 24
DRILL PIPE LENGTH 3071 DRILL COLLAR LENGTH 125
DRILL PIPE I.D. 3.8 DRILL COLLAR I.D. 2.25
TOOL JOINT SIZE 4 1/2 X.H. TOOL JOINT SIZE 4 1/2 X.H.
WEIGHT PIPE LENGTH NONE MUD WEIGHT #/GAL 8.6
WEIGHT PIPE I.D. 2.25 VISCOSITY 50
TOOL JOINT SIZE 4 1/2 X.H. WATER LOSS 7.6
CHLORIDES-PITS 3,700
CHLORIDES-DST

COMMENTS

RECEIVED
MAY 30 2006
KCC WICHITA

KCC
MAY 26 2006
CONFIDENTIAL

Temperature / Pressure Data



RECEIVED
MAY 30 2006
KCC WICHITA

MURFIN DRILLING COMPANY INC. RUTH #1-4 4-11-21W 04-06-2006

Superior Testers Enterprises, Inc.

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

(316) 792-6902 KB 2169

KCC

MAY 26 2006

CONFIDENTIAL

TREGO

Date 4-8-06 Location 4-11-21^W Elevation 2164 County _____

Company Murkin Drilling Company INC. Number of Copies 5

Charts Mailed to 250 N. Water Suite 300 Wichita KS 67202

Drilling Contractor Murkin Drilling Rig #24

Length Drill Pipe 3291 I.D. Drill Pipe 7.80 Tool Joint Size 4 1/2 XH

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

Length Drill Collars 125 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3432 Bottom Packer Depth 3437 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3437 TO 3494 ANCHOR LENGTH 57 TOTAL DEPTH 3494 Hole Size 7 3/4

LEASE & WELL NO. Ruth #1-4 FORMATION TESTED LAUSING "A" & "B" TEST NO. 2

Mud Weight 8.6 Viscosity 43 Water Loss 8.0 Chlorides - Pits 4,400 D.S.T. 80,000

Maximum Temp. 111 °F Initial Hydrostatic Pressure (A) 1629 P.S.I. Final Hydrostatic Pressure (H) 1620 P.S.I.

Tool Open I.F.P. from 4:05 m to 4:35 m 30 min

from [B] 97 P.S.I. to [C] 166 P.S.I.

Tool Closed I.C.I.P. from 4:35 m to 5:20 m 45 min

[D] 714 P.S.I.

Tool Open F.F.P. from 5:20 m to 6:20 m 60 min

from [E] 178 P.S.I. to [F] 261 P.S.I.

Tool Closed F.C.I.P. from 6:20 m to 7:50 m 90 min

[G] 669 P.S.I.

Initial Blow WAL building blow built to bottom of 5 gallon bucket in 24 minutes

Final Blow WAL building blow built to bottom of 5 gallon bucket in 29 minutes

Total Feet Recovered 430 fluid 550 GAS Gravity of Oil _____ Corrected

40 Feet of mud cut oil %Gas _____ %Oil 95 %Mud 5 %Water _____

90 Feet of gassy oil water cut mud %Gas 5 %Oil 50 %Mud 40 %Water _____

120 Feet of trace oil mud cut water %Gas trace %Oil 15 %Mud 85 %Water _____

600 Feet of trace oil gassy mud cut water %Gas 10 %Oil 50 %Mud 90 %Water _____

120 Feet of trace oil mud cut water %Gas trace %Oil 15 %Mud 85 %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 YES Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 4005 Clock No. elaborate Depth 3490 Cir. Sub _____ Sampler _____

Bottom Recorder No. 7995 Clock No. 3539 Depth 3491 Insurance _____

Price of Job _____ Tool Operator NATHAN MANLEY/B

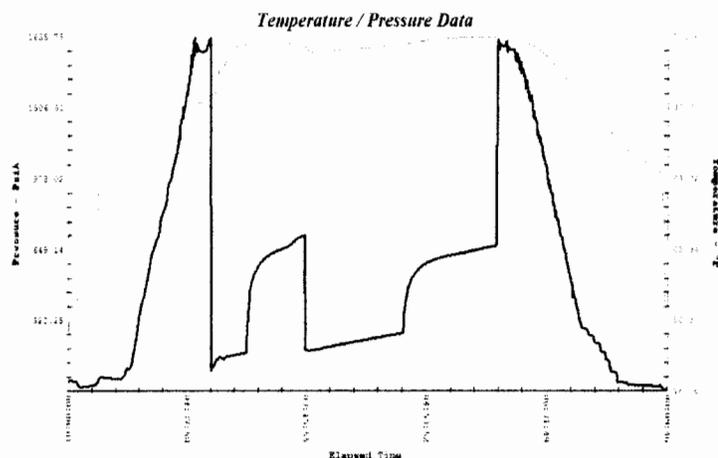
Approved By _____ No 14214

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.

RECEIVED

MAY 30 2006

KCC WICHITA



| | | |
|---|------------------------------|------|
| 1 | Initial Hydrostatic Pressure | 1629 |
| 2 | Initial Flow Pressure | 97 |
| 3 | Final Initial Flow Pressure | 166 |
| 4 | Initial Shut-In Pressure | 714 |
| 5 | Initial Final Flow Pressure | 178 |
| 6 | Final Flow Pressure | 261 |
| 7 | Final Shut-In Pressure | 669 |
| 8 | Final Hydrostatic Pressure | 1620 |

Maximum Temperature 111

GENERAL INFORMATION

| | | | |
|------------------------|------------------------------------|--------------------------|----------------------|
| COMPANY NAME | MURFIN DRILLING COMPANY INC. | LEASE AND WELL NUMBER | RUTH #1-4 |
| TEST DATE | 4/8/06 | FORMATION TESTED | LANSING A & B |
| SECTION-TOWN-RANGE | 44297 | DRILL STEM TEST NUMBER | 2 |
| STATE | KANSAS | REPORT NUMBER | 14214 |
| COUNTY | TREGO | ELEVATION KELLY BUSHINGS | 2169 |
| ELEVATION GROUND LEVEL | 2164 | TESTING ENGINEER | NATHAN MANRING |
| COMPANY REPRESENTATIVE | TERRY | | |

TOOL SETTING INFORMATION

| | | | |
|----------------------|------------|---------------------|-------------|
| TEST INTERVAL (From) | 3437 | TOP PACKER DEPTH | 3432 |
| TEST INTERVAL (to) | 2 | BOTTOM PACKER DEPTH | 3437 |
| ANCHOR LENGTH | 7 | NUMBER OF PACKERS | 2 |
| TOTAL DEPTH (ft) | 8 | PACKER SIZE | 6 3/4 |
| | | HOLE SIZE | 7 7/8 |

FLOW TIMES

| | | | |
|----------------------------------|------------|--------------------------------|------------|
| TOOL OPEN (from) | 4:05 | TOOL OPEN (from) | 5:20 |
| INITIAL OPEN TOOL OPEN (to) | 4:35 | FINAL OPEN TOOL OPEN (to) | 6:20 |
| DURATION (min.) | 30 | DURATION (min.) | 60 |
| TOOL CLOSED (from) | 4:35 | TOOL CLOSED (from) | 6:20 |
| INITIAL SHUT-IN TOOL CLOSED (to) | 5:20 | FINAL SHUT-IN TOOL CLOSED (to) | 7:50 |
| DURATION (min.) | 45 | DURATION (min.) | 90 |

RECEIVED
MAY 30 2006
KCC WICHITA

INITIAL FLOW WEAK BUILDING BLOW BUILT TO BOTTOM OF 5 GALLON BUCKET IN 24 MINUTES

FINAL FLOW WEAK BUILDING BLOW BUILT TO BOTTOM OF 5 GALLON BUCKET IN 29 MINUTES

| | | RESISTIVITY | AT | DEGREES | CHLORIDES | | | |
|----------|-----|-------------|-------------------------------|---------|-----------|-------|-----|-------|
| FEET OF | | GAS 580 | RECOVERY | | % | % | % | % |
| Recovery | | FLUID 430 | DESCRIPTION | | GAS | OIL | MUD | WATER |
| 1) | 40 | | MUD CUT OIL | | | 95 | 5 | |
| 2) | 90 | | GASSY OIL WATER CUT MUD | | 5 | 5 | 50 | 40 |
| 3) | 120 | | TRACE OIL MUD CUT WATER | | | TRACE | 15 | 85 |
| 4) | 60 | | TRACE OIL GASSY MUD CUT WATER | | | TRACE | 50 | 40 |
| 5) | 120 | | TRACE OIL MUD CUT WATER | | | TRACE | 15 | 85 |

MAY 26 2006

CONFIDENTIAL

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (800)792-6902

GENERAL INFORMATION

| | | | |
|------------------------------|------------------------------|--------------------------------|----------------|
| COMPANY NAME | MURFIN DRILLING COMPANY INC. | LEASE AND WELL NUMBER | RUTH #1-4 |
| TEST DATE | 4/8/06 | FORMATION TESTED | LANSING A & B |
| SECTION-TOWN-RANGE | 4/11/2021 | DRILL STEM TEST NUMBER | 2 |
| STATE | KANSAS | REPORT NUMBER | 14214 |
| COUNTY | TREGO | ELEVATION KELLY BUSHINGS | 2169 |
| ELEVATION GROUND LEVEL | 2164 | TESTING ENGINEER | NATHAN MANNING |
| COMPANY REPRESENTATIVE | TERRY | | |

EXTRA EQUIPMENT

| | | | |
|---------------------------|---------------------------------|-----------------------------|------|
| JARS | NO | EXTRA PACKER (3RD) | NO |
| SAFETY JOINT | YES | EXTRA PACKER (4TH) | NO |
| ELECTRONIC RECORDER | YES | STRADDLE | NO |
| CIRCULATING SUB | NO | HOOK WALL | NO |
| | | SAMPLER | NO |
| | 60 MILES ROUND TRIP FROM | HAYS | |
| TOP RECORDER DEPTH | 3491 | BOTTOM RECORDER DEPTH | 3492 |
| RECORDER NUMBER | 91981 | RECORDER NUMBER | 5463 |

WELL INFORMATION

| | | | |
|---------------------------|-------------------------|---------------------------|------------|
| DRILLING CONTRACTOR | MURFIN DRILLING RIG #24 | DRILL COLLAR LENGTH | 125 |
| DRILL PIPE LENGTH | 3291 | 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 | 8.6 |
| WEIGHT PIPE I.D. | 2.25 | VISCOSITY | 43 |
| TOOL JOINT SIZE | 4 1/2 X.H. | WATER LOSS | 8 |
| | | CHLORIDES-PITS | 4,400 |
| | | CHLORIDES-DST | |

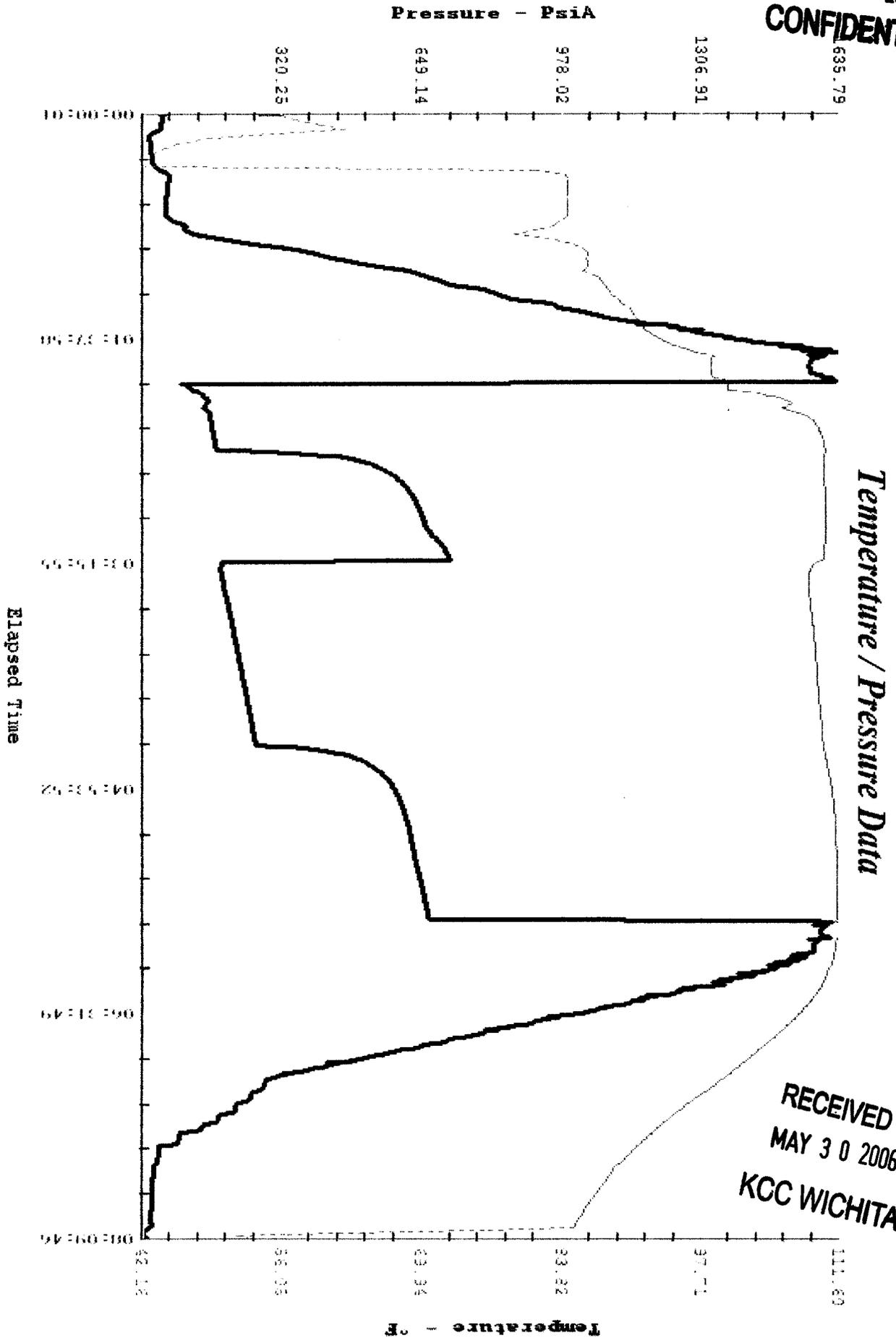
COMMENTS

RECEIVED
MAY 30 2006
KCC WICHITA

KCC

MAY 26 2006

CONFIDENTIAL



MURFIN DRILLING COMPANY INC.

RUTH #1-4

4-11-21W

04-08-2006

RECEIVED
MAY 30 2006
KCC WICHITA

Superior Testers Enterprises, Inc.

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

(316) 792-6902 **KB 2169**

KCC

MAY 26 2006

CONFIDENTIAL

Date 4.9.06 Location 4.11.21^W Elevation 2164 County _____

Company Murphy Drilling Company Inc. Number of Copies _____

Charts Mailed to 250 N. Water Suite 300 Wichita KS 67202

Drilling Contractor Murphy Drilling Rig #24

Length Drill Pipe 3352 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 125 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3493 Bottom Packer Depth 3498 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3498 TO 3538 ANCHOR LENGTH 40 TOTAL DEPTH 3538 Hole Size 7 7/8

LEASE & WELL NO. RWA # 1-4 FORMATION TESTED LANSING DEFF TEST NO. 3

Mud Weight 9.0 Viscosity 48 Water Loss 72 Chlorides - Pits 4200 D.S.T. 92,000

Maximum Temp. 111 *F Initial Hydrostatic Pressure (A) 1682 P.S.I. Final Hydrostatic Pressure (H) 1634 P.S.I.

Tool Open I.F.P. from 8:30 m to 9:00 m 30 min

| |
|---|
| from [B] <u>72</u> P.S.I. to [C] <u>191</u> P.S.I. |
| [D] <u>889</u> P.S.I. |
| from [E] <u>157</u> P.S.I. to [F] <u>203</u> P.S.I. |
| [G] <u>880</u> P.S.I. |

Tool Closed I.C.I.P. from 9:00 m to 10:20 m 60 min

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

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

Initial Blow Weak building blow built to 8 inches in 5 gallon bucket in 30 minutes

Final Blow Weak building blow built to 8 inches in 5 gallon bucket in 45 minutes

Total Feet Recovered _____ Gravity of Oil _____ Corrected

| | | | | |
|---|--------------------|-----------------|-----------------|---------------|
| <u>5</u> Feet of <u>gassy mud cut oil</u> | % Gas <u>95</u> | % Oil <u>5</u> | % Mud _____ | % Water _____ |
| <u>90</u> Feet of <u>gassy oil water cut mud</u> | % Gas <u>10</u> | % Oil <u>80</u> | % Mud <u>40</u> | % Water _____ |
| <u>120</u> Feet of <u>trace oil muddy water</u> | % Gas <u>trace</u> | % Oil <u>40</u> | % Mud <u>60</u> | % Water _____ |
| <u>120</u> Feet of <u>trace oil mud cut water</u> | % Gas <u>trace</u> | % Oil <u>5</u> | % Mud <u>95</u> | % 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 Yes Extra Packer _____ Straddle _____ Hook Wall _____
Top Recorder No. 4005 Clock No. Electronic Depth 3534 Cir. Sub _____ Sampler _____
Bottom Recorder No. 7895 Clock No. 3539 Depth 3535 Insurance _____

Price of Job _____
Tool Operator NORMAN MANKING
Approved By _____
No 14215

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.

RECEIVED
MAY 30 2006

KCC WICHITA

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

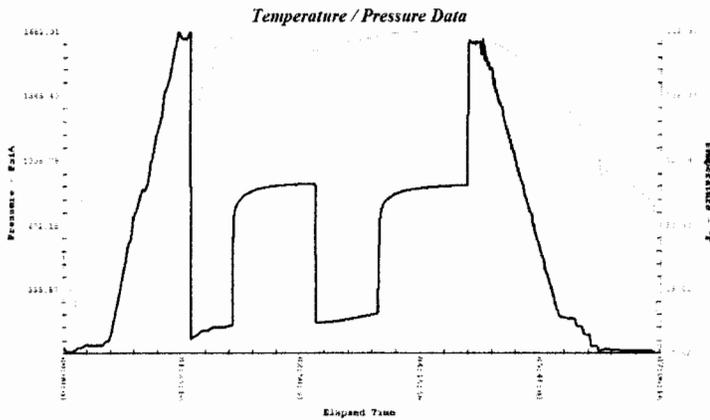
DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: MURFIN DRILLING COMPANY INC. 4 TWP. 11 RGE. 21W

Lease & Well No. RUTH #1-4

Test #: 3 Date: 04-09-2006 SEC.



| | | |
|---|------------------------------|------|
| 1 | Initial Hydrostatic Pressure | 1682 |
| 2 | Initial Flow Pressure | 72 |
| 3 | Final Initial Flow Pressure | 141 |
| 4 | Initial Shut-In Pressure | 889 |
| 5 | Initial Final Flow Pressure | 157 |
| 6 | Final Flow Pressure | 203 |
| 7 | Final Shut-In Pressure | 880 |
| 8 | Final Hydrostatic Pressure | 1634 |

Maximum Temperature 111

GENERAL INFORMATION

| | | | |
|------------------------------|----------|--------------------------------|----------------|
| COMPANY NAME | | MURFIN DRILLING COMPANY INC. | |
| TEST DATE | 4/9/06 | LEASE AND WELL NUMBER | RUTH #1-4 |
| SECTION-TOWN-RANGE | 4-11-21W | FORMATION TESTED | LANSING D,E,&F |
| STATE | KANSAS | DRILL STEM TEST NUMBER | 3 |
| COUNTY | TREGO | REPORT NUMBER | 14215 |
| ELEVATION GROUND LEVEL | 2164 | ELEVATION KELLY BUSHINGS | 2169 |
| COMPANY REPRESENTATIVE | TERRY | TESTING ENGINEER | NATHAN MANRING |

TOOL SETTING INFORMATION

| | | | |
|----------------------------|------|---------------------------|-------|
| TEST INTERVAL (From) | 3498 | TOP PACKER DEPTH | 3493 |
| TEST INTERVAL (to) | 3538 | BOTTOM PACKER DEPTH | 3498 |
| ANCHOR LENGTH | 40 | NUMBER OF PACKERS | 2 |
| TOTAL DEPTH (ft) | 3538 | PACKER SIZE | 6 3/4 |
| | | HOLE SIZE | 7 7/8 |

FLOW TIMES

| | | | |
|--|-------|--------------------------------------|-------|
| TOOL OPEN (from) | 8:30 | TOOL OPEN (from) | 10:00 |
| INITIAL OPEN TOOL OPEN (to) | 9:00 | FINAL OPEN TOOL OPEN (to) | 10:45 |
| DURATION (min.) | 30 | DURATION (min.) | 45 |
| TOOL CLOSED (from) | 9:00 | TOOL CLOSED (from) | 10:45 |
| INITIAL SHUT-IN TOOL CLOSED (to) | 10:00 | FINAL SHUT-IN TOOL CLOSED (to) | 11:45 |
| DURATION (min.) | 60 | DURATION (min.) | 60 |

KCC
MAY 20 2006
CONFIDENTIAL
RECEIVED
MAY 30 2006
KCC WICHITA

INITIAL FLOW WEAK BUILDING BLOW BUILT TO 8 INCHES IN A FIVE GALLON BUCKET IN 30 MINUTES

FINAL FLOW WEAK BUILDING BLOW BUILT TO 8 INCHES IN A FIVE GALLON BUCKET IN 45 MINUTES

| | | RESISTIVITY | AT | DEGREES | CHLORIDES | | | |
|----------|----------|-------------------------|----|---------|-----------|-------|-----|-------|
| FEET OF | RECOVERY | RECOVERY | | | % | % | % | % |
| Recovery | 335 | DESCRIPTION | | | GAS | OIL | MUD | WATER |
| 1) | 5 | GASSY MUD CUT OIL | | | | 95 | 5 | |
| 2) | 90 | GASSY OIL WATER CUT MUD | | | | 10 | 50 | 40 |
| 3) | 120 | TRACE OIL MUDDY WATER | | | | TRACE | 40 | 60 |
| 4) | 120 | TRACE OIL MUD CUT WATER | | | | TRACE | 5 | 95 |
| 5) | | | | | | | | |

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

KCC

MAY 26 2006

CONFIDENTIAL

GENERAL INFORMATION

COMPANY NAME MURFIN DRILLING COMPANY INC.
TEST DATE 4/9/06 LEASE AND WELL NUMBER RUTH #1-4
SECTION-TOWN-RANGE 4-11-21W FORMATION TESTED LANSING D,E,&F
STATE KANSAS DRILL STEM TEST NUMBER 3
COUNTY TREGO REPORT NUMBER 14215
ELEVATION GROUND LEVEL 2164 ELEVATION KELLY BUSHINGS 2169
COMPANY REPRESENTATIVE TERRY TESTING ENGINEER NATHAN MANNING

EXTRA EQUIPMENT

JARS NO EXTRA PACKER (3RD) NO
SAFETY JOINT YES EXTRA PACKER (4TH) NO
ELECTRONIC RECORDER YES STRADDLE NO
CIRCULATING SUB NO HOOK WALL NO
60 MILES ROUND TRIP FROM HAYS SAMPLER NO
TOP RECORDER DEPTH 3534 BOTTOM RECORDER DEPTH 3535
RECORDER NUMBER 91981 RECORDER NUMBER 5463

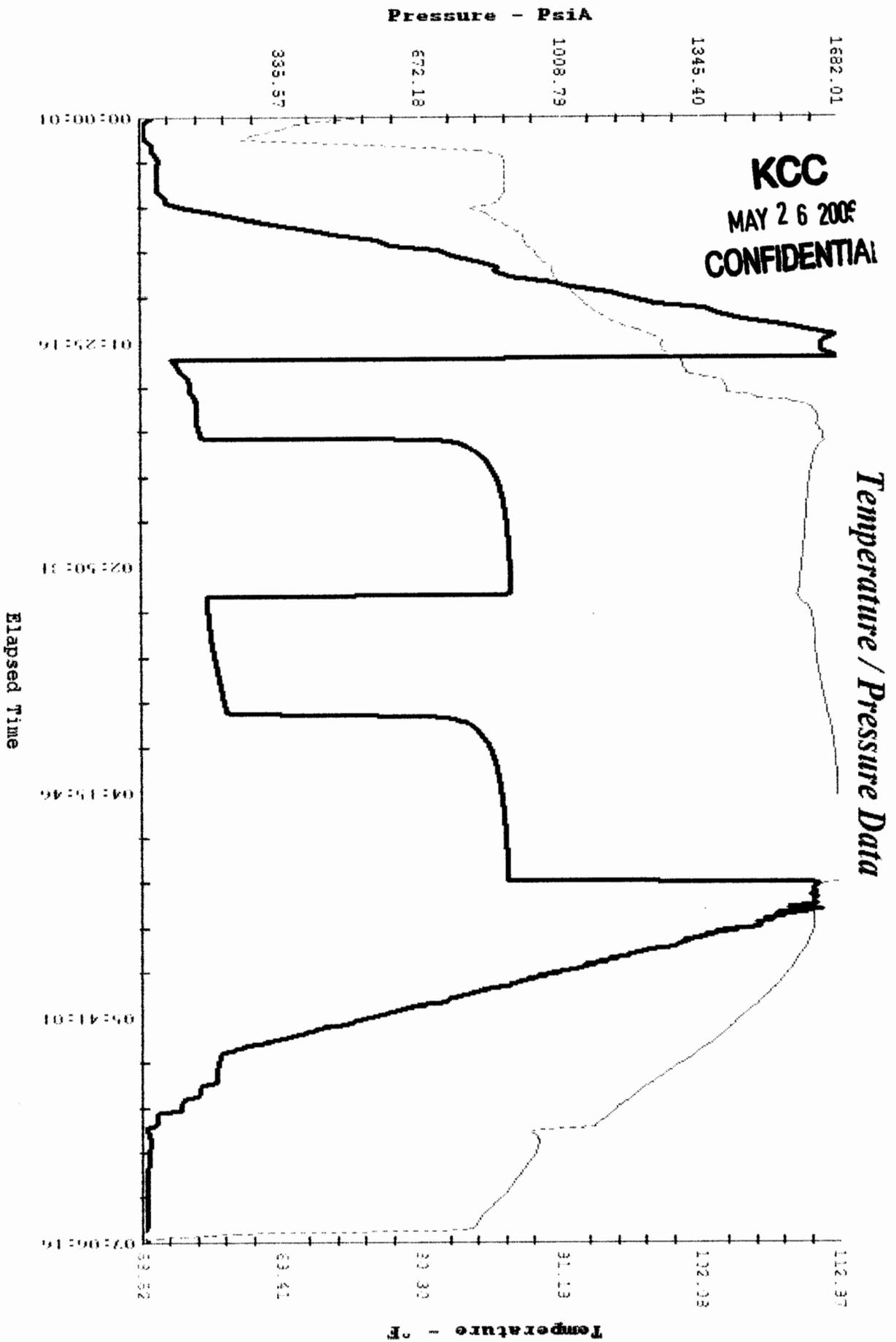
WELL INFORMATION

DRILLING CONTRACTOR MURFIN DRILLING RIG #24
DRILL PIPE LENGTH 3352 DRILL COLLAR LENGTH 125
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
WEIGHT PIPE I.D. 2.25 VISCOSITY 48
TOOL JOINT SIZE 4 1/2 X.H. WATER LOSS 7.2
CHLORIDES-PITS 4,200
CHLORIDES-DST

COMMENTS

RECEIVED
MAY 30 2006
KCC WICHITA

KCC
MAY 26 2006
CONFIDENTIAL



MURFIN DRILLING COMPANY INC. RUTH #1-4 4-11-21W 04-09-2006

Superior Testers Enterprises, Inc.

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

(316) 792-6902 **KB 2169**

KCC
MAY 26 2006
CONFIDENTIAL

Date 4-9-06 Location 4-11-21^N Elevation 2164 County TREGO

Company Murkin Drilling Company INC Number of Copies _____

Charts Mailed to 205 N. Water Suite 300 Wichita KS 67202

Drilling Contractor Murkin Drilling RIG #24

Length Drill Pipe 3493 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 125 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3634 Bottom Packer Depth 3639 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3639 TO 3690 ANCHOR LENGTH 51 TOTAL DEPTH 3690 Hole Size 07 3/4

LEASE & WELL NO. Ruth #1-4 FORMATION TESTED LANSING K&L TEST NO. 4

Mud Weight 9.0 Viscosity 48 Water Loss 7.2 Chlorides - Pits 4/200 D.S.T. 95,000

Maximum Temp. 105 °F Initial Hydrostatic Pressure (A) 1763 P.S.I. Final Hydrostatic Pressure (H) 1788 P.S.I.

Tool Open I.F.P. from 6:40 m to 7:10 m 30 min

Tool Closed I.C.I.P. from 7:10 m to 7:55 m 45 min

Tool Open F.F.P. from 7:55 m to 8:25 m 30 min

Tool Closed F.C.I.P. from 8:25 m to 9:25 m 60 min

Initial Blow Weak surface blow

Final Blow Weak surface blow

| |
|---|
| from [B] <u>66</u> P.S.I. to [C] <u>106</u> P.S.I. |
| [D] <u>979</u> P.S.I. |
| from [E] <u>127</u> P.S.I. to [F] <u>128</u> P.S.I. |
| [G] <u>989</u> P.S.I. |

Total Feet Recovered 142 Gravity of Oil _____ Corrected _____

2 Feet of ~~_____~~ mud cut oil % Gas 85 % Oil 15 % Mud 85 % Water

50 Feet of trace oil muddy water % Gas trace % Oil 60 % Mud 40 % Water

90 Feet of trace oil mud cut water % Gas trace % Oil 15 % Mud 85 % 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 YES Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 4005 Clock No. electron Depth 3684 Cir. Sub _____ Sampler _____

Bottom Recorder No. 7895 Clock No. 3539 Depth 3687 Insurance _____

Price of Job _____

Tool Operator Wm MANKYNG

Approved By _____ No 14216

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.

RECEIVED
MAY 30 2006
KCC WICHITA

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

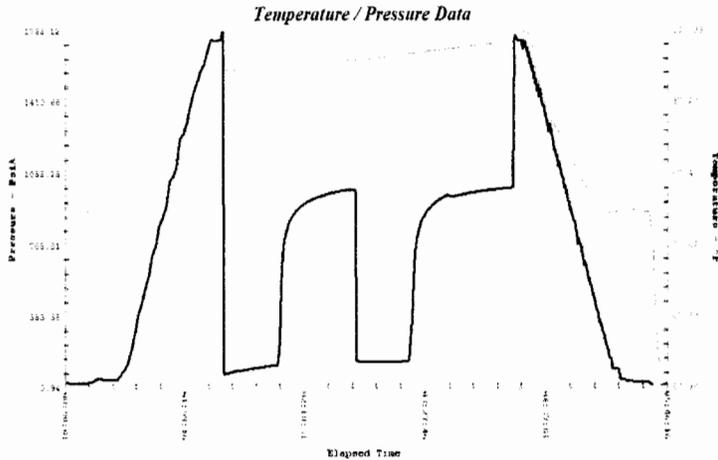
DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: MURFIN DRILLING COMPANY INC. 4 TWP. 11 RGE. 21W

Lease & Well No. RUTH #1-4

Test #: 4 Date: 04-09-2006 SEC.



- 1 Initial Hydrostatic Pressure 1763
- 2 Initial Flow Pressure 66
- 3 Final Initial Flow Pressure 106
- 4 Initial Shut-In Pressure 979
- 5 Initial Final Flow Pressure 127
- 6 Final Flow Pressure 128
- 7 Final Shut-In Pressure 989
- 8 Final Hydrostatic Pressure 1738

Maximum Temperature 105

GENERAL INFORMATION

| | |
|---|---------------------------------------|
| COMPANY NAME MURFIN DRILLING COMPANY INC. | |
| TEST DATE 4/9/06 | LEASE AND WELL NUMBER RUTH #1-4 |
| SECTION-TOWN-RANGE 4-11-21W | FORMATION TESTED LANSING K & L |
| STATE KANSAS | DRILL STEM TEST NUMBER 4 |
| COUNTY TREGO | REPORT NUMBER 14216 |
| ELEVATION GROUND LEVEL 2164 | ELEVATION KELLY BUSHINGS 2169 |
| COMPANY REPRESENTATIVE TERRY | TESTING ENGINEER NATHAN MANRING |

TOOL SETTING INFORMATION

| | |
|---------------------------------|--------------------------------|
| TEST INTERVAL (From) 3639 | TOP PACKER DEPTH 3634 |
| TEST INTERVAL (to) 3690 | BOTTOM PACKER DEPTH 3639 |
| ANCHOR LENGTH 51 | NUMBER OF PACKERS 2 |
| TOTAL DEPTH (ft) 3690 | PACKER SIZE 6 3/4 |
| | HOLE SIZE 7 7/8 |

FLOW TIMES

| | |
|---|---|
| TOOL OPEN (from) 6:40 | TOOL OPEN (from) 7:55 |
| INITIAL OPEN TOOL OPEN (to) 7:10 | FINAL OPEN TOOL OPEN (to) 8:25 |
| DURATION (min.) 30 | DURATION (min.) 30 |
| TOOL CLOSED (from) 7:10 | TOOL CLOSED (from) 8:25 |
| INITIAL SHUT-IN TOOL CLOSED (to) 7:55 | FINAL SHUT-IN TOOL CLOSED (to) 9:25 |
| DURATION (min.) 45 | DURATION (min.) 60 |

KCC
MAY 26 2006
CONFIDENTIAL
RECEIVED
MAY 30 2006
KCC WICHITA

INITIAL FLOW WEAK SURFACE BLOW

FINAL FLOW WEAK SURFACE BLOW

| | | RESISTIVITY | AT | DEGREES | CHLORIDES | | | |
|---------|----------|-------------------------|----|---------|-----------|-------|-------|---------|
| FEET OF | RECOVERY | DESCRIPTION | | | % GAS | % OIL | % MUD | % WATER |
| | 142 | | | | | | | |
| 1) | 2 | MUD CUT OIL | | | | 85 | 15 | |
| 2) | 50 | TRACE OIL MUDDY WATER | | | | TRACE | 60 | 40 |
| 3) | 90 | TRACE OIL MUD CUT WATER | | | | TRACE | 15 | 85 |
| 4) | | | | | | | | |
| 5) | | | | | | | | |
| 6) | | | | | | | | |

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

| | | | |
|------------------------------|------------------------------|--------------------------------|----------------|
| COMPANY NAME | MURFIN DRILLING COMPANY INC. | LEASE AND WELL NUMBER | RUTH #1-4 |
| TEST DATE | 4/9/06 | FORMATION TESTED | LANSING K & L |
| SECTION-TOWN-RANGE | 4-11-21W | DRILL STEM TEST NUMBER | 4 |
| STATE | KANSAS | REPORT NUMBER | 14216 |
| COUNTY | TREGO | ELEVATION KELLY BUSHINGS | 2169 |
| ELEVATION GROUND LEVEL | 2164 | TESTING ENGINEER | NATHAN MANNING |
| COMPANY REPRESENTATIVE | TERRY | | |

EXTRA EQUIPMENT

| | | | |
|---------------------------|--------------------------|-----------------------------|------|
| JARS | NO | EXTRA PACKER (3RD) | NO |
| SAFETY JOINT | YES | EXTRA PACKER (4TH) | NO |
| ELECTRONIC RECORDER | YES | STRADDLE | NO |
| CIRCULATING SUB | NO | HOOK WALL | NO |
| | 60 MILES ROUND TRIP FROM | SAMPLER | NO |
| TOP RECORDER DEPTH | 3686 | HAYS | |
| RECORDER NUMBER | 91981 | BOTTOM RECORDER DEPTH | 3687 |
| | | RECORDER NUMBER | 5483 |

KCC
MAY 26 2006
CONFIDENTIAL

WELL INFORMATION

| | | | |
|---------------------------|-------------------------|---------------------------|------------|
| DRILLING CONTRACTOR | MURFIN DRILLING RIG #24 | DRILL COLLAR LENGTH | 125 |
| DRILL PIPE LENGTH | 3493 | 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 |
| WEIGHT PIPE I.D. | 2.25 | VISCOSITY | 48 |
| TOOL JOINT SIZE | 4 1/2 X.H. | WATER LOSS | 7.2 |
| | | CHLORIDES-PITS | 4,200 |
| | | CHLORIDES-DST | |

COMMENTS

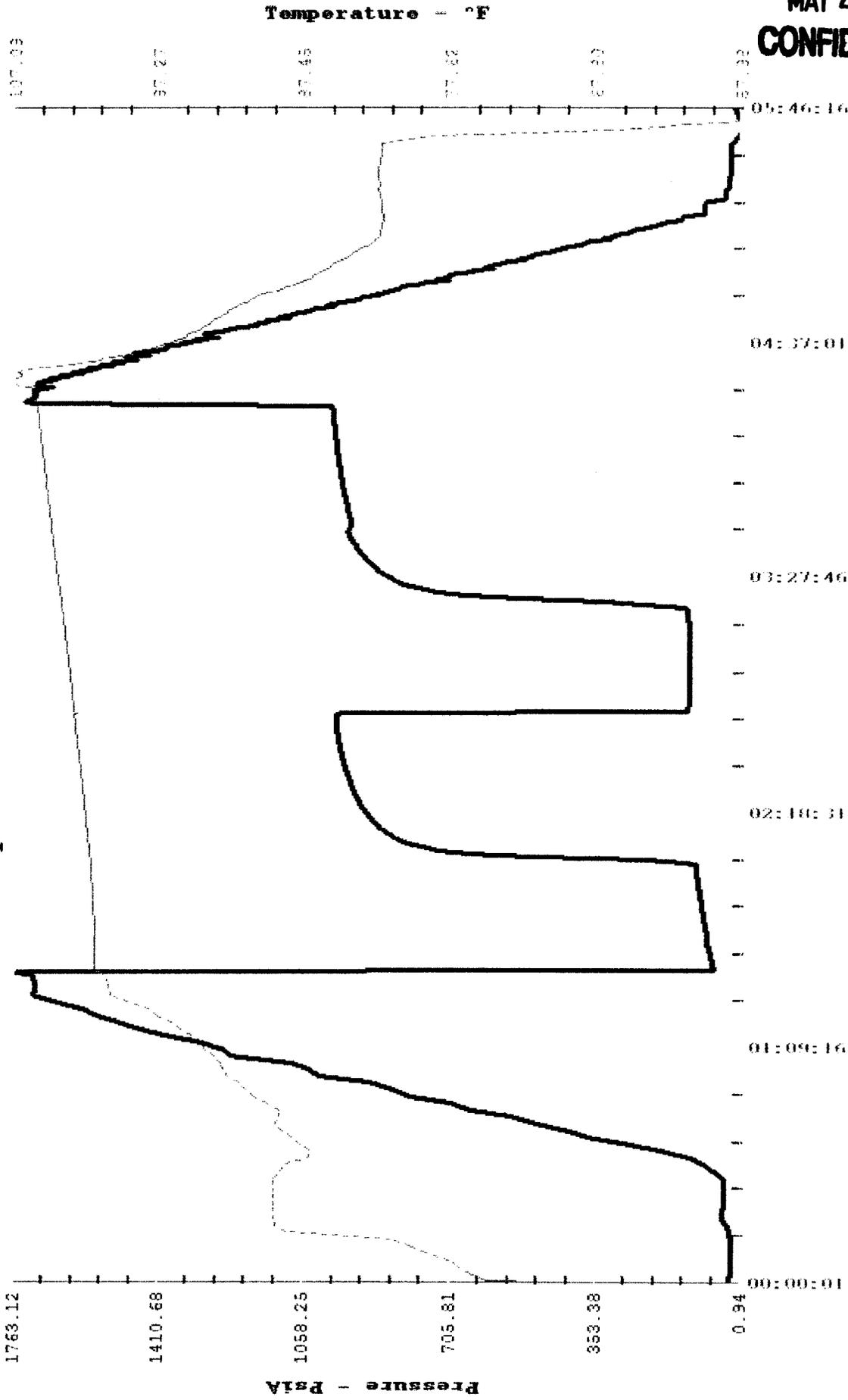
RECEIVED
MAY 30 2006
KCC WICHITA

KE

MAY 2

CONFIDENTIAL

Temperature / Pressure Data



Elapsed Time

04-09-2006

4-11-21W

RUTH #1-4

MURFIN DRILLING COMPANY INC.

Superior Testers Enterprises, Inc.

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

(316) 792-6902 KB 2169

KCC
MAY 26 2006
CONFIDENTIAL

Date 4-10-06 Location 4-11-21^N Elevation 2164 County TREGO

Company MWHIN Drilling Company INC. Number of Copies _____

Charts Mailed to 205 N. WAKR Suite 300 Wichita KS 67202

Drilling Contractor MWHIN Drilling RIG #24

Length Drill Pipe 3608 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 125 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3749 Bottom Packer Depth 3754 Number of Packers _____ Packer Size 6 3/4

TESTED FROM 3754 TO 3775 ANCHOR LENGTH 21 TOTAL DEPTH 3775 Hole Size 7 1/4

LEASE & WELL NO. Ruth #1-4 FORMATION TESTED ARBUCKLE TEST NO. 5

Mud Weight 9.0 Viscosity 55 Water Loss 6.8 Chlorides - Pits 4,000 D.S.T. 76,000

Maximum Temp. 117 °F Initial Hydrostatic Pressure (A) 1807 P.S.I. Final Hydrostatic Pressure (H) 1730 P.S.I.

Tool Open I.F.P. from 12:15 m to 12:30 m 15 min from [B] 101 P.S.I. to [C] 244 P.S.I.

Tool Closed I.C.I.P. from 12:30 m to 1:00 m 30 min [D] 1177 P.S.I.

Tool Open F.F.P. from 1:00 m to 1:45 m 45 min from [E] 277 P.S.I. to [F] 574 P.S.I.

Tool Closed F.C.I.P. from 1:45 m to 2:45 m 60 min [G] 1185 P.S.I.

Initial Blow strong blow bit to bottom of 5 gallon bucket in 4 minutes

Final Blow strong blow bit to bottom of 5 gallon bucket in 4 minutes

Total Feet Recovered 1200 Gravity of Oil _____ Corrected _____

60 Feet of mud cut oil % Gas 95 % Oil 5 % Mud _____ % Water _____

180 Feet of mud cut oily water % Gas 40 % Oil 15 % Mud 45 % Water _____

~~268~~ 840 Feet of oil mud cut water % Gas 10 % Oil 10 % Mud 80 % Water _____

120 Feet of mud cut water % Gas trace % Oil 15 % Mud 85 % Water _____

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of Circulating sub was used % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of used pulled three stand % Gas _____ % Oil _____ % Mud _____ % Water _____

_____ Feet of below sub % Gas _____ % Oil _____ % Mud _____ % Water _____

Remarks _____

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

Top Recorder No. 4005 Clock No. electronic Depth 3771 Cir. Sub YES Sampler —

Bottom Recorder No. 7895 Clock No. 3539 Depth 3772 Insurance _____

Price of Job _____

Tool Operator Harold Manner, Jr.

Approved By _____

No 14217

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.

RECEIVED
MAY 30 2006
KCC WICHITA

SUPERIOR TESTERS ENTERPRISES L.L.C.

1(800)792-6902

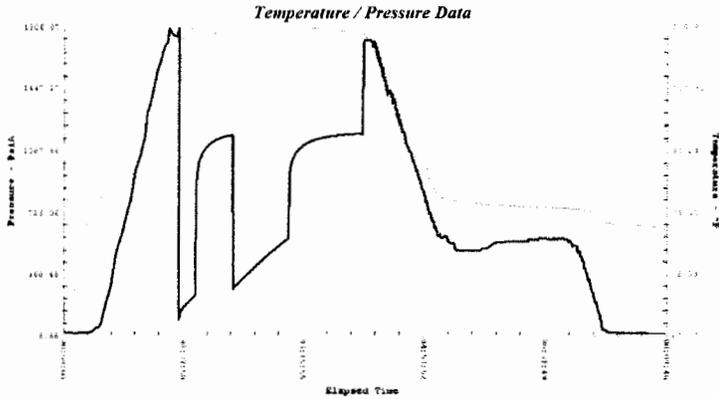
DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: MURFIN DRILLING COMPANY INC. 4 TWP. 11 RGE. 21W

Lease & Well No. RUTH #1-4

Test #: 5 Date: 04-10-2006 SEC



| | | |
|---|------------------------------|------|
| 1 | Initial Hydrostatic Pressure | 1807 |
| 2 | Initial Flow Pressure | 101 |
| 3 | Final Initial Flow Pressure | 244 |
| 4 | Initial Shut-In Pressure | 1177 |
| 5 | Initial Final Flow Pressure | 277 |
| 6 | Final Flow Pressure | 574 |
| 7 | Final Shut-In Pressure | 1185 |
| 8 | Final Hydrostatic Pressure | 1730 |

Maximum Temperature 117

GENERAL INFORMATION

COMPANY NAME MURFIN DRILLING COMPANY INC.

TEST DATE 4/10/06

SECTION-TOWN-RANGE 4-11-21W

STATE KANSAS

COUNTY TREGO

ELEVATION GROUND LEVEL 2164

COMPANY REPRESENTATIVE TERRY

LEASE AND WELL NUMBER RUTH #1-4

FORMATION TESTED ARBUCKLE

DRILL STEM TEST NUMBER 5

REPORT NUMBER 14217

ELEVATION KELLY BUSHINGS 2169

TESTING ENGINEER NATHAN MANRING

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3754

TEST INTERVAL (to) 3775

ANCHOR LENGTH 21

TOTAL DEPTH (ft) 3775

TOP PACKER DEPTH 3749

BOTTOM PACKER DEPTH 3754

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 12:15

INITIAL OPEN TOOL OPEN (to) 12:30

DURATION (min.) 15

TOOL CLOSED (from) 12:30

INITIAL SHUT-IN TOOL CLOSED (to) 1:00

DURATION (min.) 30

TOOL OPEN (from) 1:00

FINAL OPEN TOOL OPEN (to) 1:45

DURATION (min.) 45

TOOL CLOSED (from) 1:45

FINAL SHUT-IN TOOL CLOSED (to) 2:45

DURATION (min.) 60

KCC
MAY 26 2006
CONFIDENTIAL

INITIAL FLOW STRONG BLOW BUILT TO THE BOTTOM OF 5 GALLON BUCKET IN 4 MINUTES

FINAL FLOW STRONG BLOW BUILT TO THE BOTTOM OF 5 GALLON BUCKET IN 4 MINUTES

| | | RESISTIVITY | AT | DEGREES | CHLORIDES | | | |
|---------|----------|-------------------------|----|---------|-----------|-------|-------|---------|
| FEET OF | RECOVERY | RECOVERY DESCRIPTION | | | % GAS | % OIL | % MUD | % WATER |
| 1) 60 | 1200 | MUD CUT OIL | | | | 95 | 5 | |
| 2) 180 | | MUD CUT OILY WATER | | | | 40 | 15 | 45 |
| 3) 280 | | OIL MUD CUT WATER | | | | 10 | 10 | 80 |
| 4) 120 | | TRACE OIL MUD CUT WATER | | | | TRACE | 15 | 85 |
| 5) | | | | | | | | |

RECEIVED
MAY 30 2006
KCC WICHITA

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME MURFIN DRILLING COMPANY INC.
TEST DATE 4/10/06
SECTION-TOWN-RANGE 4-11-21W
STATE KANSAS
COUNTY TREGO
ELEVATION GROUND LEVEL 2164
COMPANY REPRESENTATIVE TERRY
LEASE AND WELL NUMBER RUTH #1-4
FORMATION TESTED ARBUCKLE
DRILL STEM TEST NUMBER 5
REPORT NUMBER 14217
ELEVATION KELLY BUSHINGS 2169
TESTING ENGINEER NATHAN MANRING

EXTRA EQUIPMENT

JARS NO
SAFETY JOINT YES
ELECTRONIC RECORDER YES
CIRCULATING SUB YES
60 MILES ROUND TRIP FROM HAYS
TOP RECORDER DEPTH 3771
RECORDER NUMBER 91981
EXTRA PACKER (3RD) NO
EXTRA PACKER (4TH) NO
STRADDLE NO
HOOK WALL NO
SAMPLER NO
BOTTOM RECORDER DEPTH 3772
RECORDER NUMBER 5463

WELL INFORMATION

DRILLING CONTRACTOR MURFIN DRILLING RIG #24
DRILL PIPE LENGTH 3608
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 125
DRILL COLLAR I.D. 2.25
TOOL JOINT SIZE 4 1/2 X.H.
MUD WEIGHT #/GAL 9
VISCOSITY 55
WATER LOSS 6.8
CHLORIDES-PITS 4,800
CHLORIDES-DST

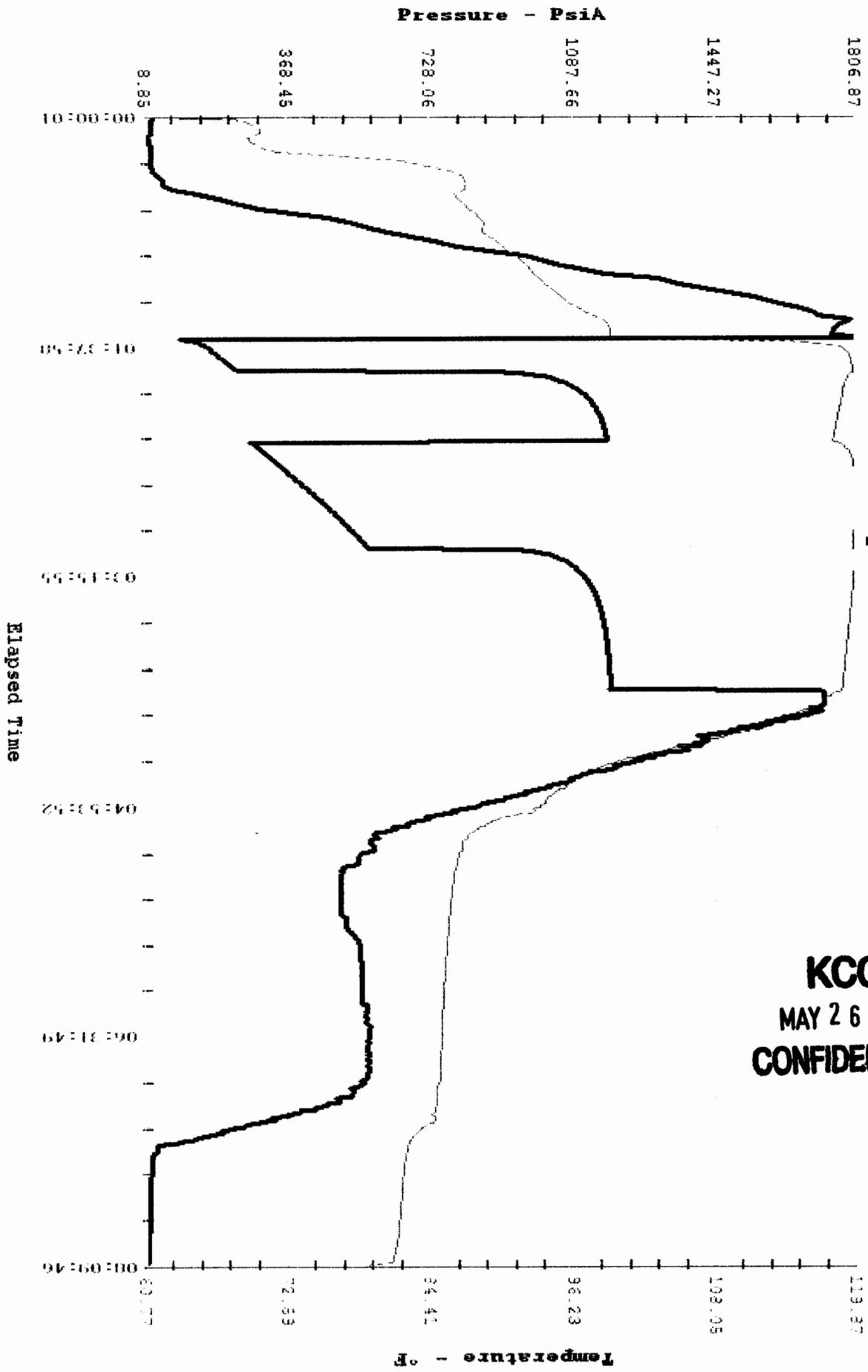
KCC
MAY 26 2006
CONFIDENTIAL

COMMENTS

RECEIVED
MAY 30 2006
KCC WICHITA

Temperature / Pressure Data

KCC
MAY 2 9 2006
CONFIDENTIAL



MURFIN DRILLING COMPANY INC.

RUTH #1-4

4-11-21W

04-10-2006

Superior Testers Enterprises, Inc.

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

(316) 792-6902 KB 2169

KCC

MAY 26 2006

CONFIDENTIAL

TREGO

Date 4-11-06 Location 4-11-21W Elevation 2164 County _____

Company Murfin Drilling Company Inc Number of Copies 5

Charts Mailed to 205 N. Water Suite 300 Wichita KS 67202

Drilling Contractor Murfin Drilling RSC #24

Length Drill Pipe 3629 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 125 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3770 Bottom Packer Depth 3775 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3775 TO 3785 ANCHOR LENGTH 10 TOTAL DEPTH 3785 Hole Size 7 7/8

LEASE & WELL NO. Ruth # 1-4 FORMATION TESTED Arbuckle TEST NO. 6

Mud Weight 9.0 Viscosity 55 Water Loss 6.8 Chlorides - Pits 4800 D.S.T. 75,000

Maximum Temp. 118 °F Initial Hydrostatic Pressure (A) 1831 P.S.I. Final Hydrostatic Pressure (H) 1717 P.S.I.

Tool Open I.F.P. from 3:50 m to 4:05 m 15 min

Tool Closed I.C.I.P. from 4:05 m to 4:35 m 30 min

Tool Open F.F.P. from 4:35 m to 5:20 m 45 min

Tool Closed F.C.I.P. from 5:20 m to 6:20 m 60 min

| |
|---|
| from [B] <u>266</u> P.S.I. to [C] <u>488</u> P.S.I. |
| [D] <u>1194</u> P.S.I. |
| from [E] <u>524</u> P.S.I. to [F] <u>954</u> P.S.I. |
| [G] <u>1198</u> P.S.I. |

Initial Blow Strong blow bottom of 5 gallon bucket in 3 minutes

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

Total Feet Recovered 1980 Gravity of Oil _____ Corrected _____

| | | | | |
|---|--------------------|-----------------|-----------------|-------------------|
| <u>90</u> Feet of <u>assy mud cut oil</u> | % Gas <u>70</u> | % Oil <u>30</u> | % Mud _____ | % Water _____ |
| <u>660</u> Feet of <u>gas mud oil cut water</u> | <u>10</u> % Gas | <u>15</u> % Oil | <u>10</u> % Mud | <u>65</u> % Water |
| <u>300</u> Feet of <u>gas oil mud cut water</u> | <u>10</u> % Gas | <u>10</u> % Oil | <u>20</u> % Mud | <u>60</u> % Water |
| <u>930</u> Feet of <u>trace oil mud cut water</u> | % Gas <u>trace</u> | % Oil <u>5</u> | % Mud _____ | % Water <u>95</u> |
| 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 YES Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 4005 Clock No. electronic Depth 3781 Cir. Sub _____ Sampler _____

Bottom Recorder No. 7895 Clock No. 3539 Depth 3782 Insurance _____

Price of Job _____ Tool Operator NATHAN MANRING

Approved By _____ No. 14218

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 the test is made.

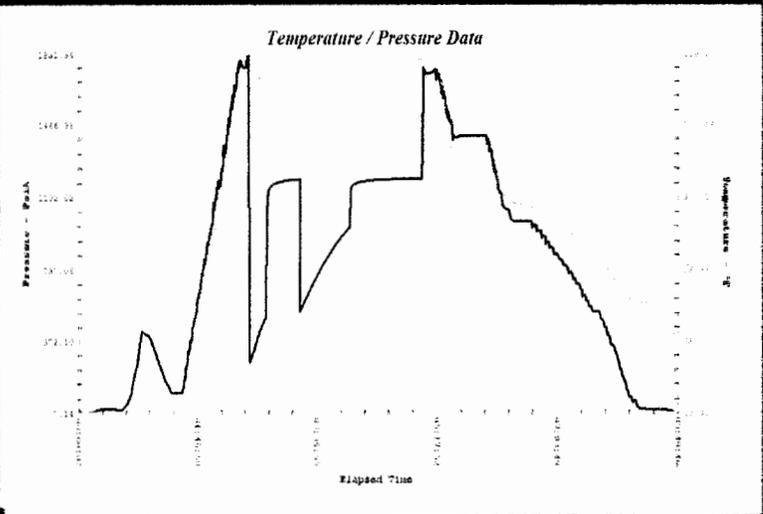
RECEIVED
MAY 30 2006

KCC WICHITA

1(800)792-6902

DRILL STEM TEST REPORT

Company: MURFIN DRILLING COMPANY INC. 4 TWP. 11 RGE. 21W
 Lease & Well No. RUTH #1-4 Test #: 6 Date: 04-11-2006 SEC.



| | | |
|---|------------------------------|------|
| 1 | Initial Hydrostatic Pressure | 1831 |
| 2 | Initial Flow Pressure | 266 |
| 3 | Final Initial Flow Pressure | 488 |
| 4 | Initial Shut-In Pressure | 1194 |
| 5 | Initial Final Flow Pressure | 524 |
| 6 | Final Flow Pressure | 954 |
| 7 | Final Shut-In Pressure | 1198 |
| 8 | Final Hydrostatic Pressure | 1717 |
| | Maximum Temperature | 118 |

GENERAL INFORMATION

| | | | |
|------------------------|------------------------------------|--------------------------|----------------------|
| COMPANY NAME | MURFIN DRILLING COMPANY INC. | LEASE AND WELL NUMBER | RUTH #1-4 |
| TEST DATE | 4/11/06 | FORMATION TESTED | ARBUCKLE |
| SECTION-TOWN-RANGE | 4-11-21W | DRILL STEM TEST NUMBER | 6 |
| STATE | KANSAS | REPORT NUMBER | 14218 |
| COUNTY | TREGO | ELEVATION KELLY BUSHINGS | 2169 |
| ELEVATION GROUND LEVEL | 2164 | TESTING ENGINEER | NATHAN MANNING |
| COMPANY REPRESENTATIVE | TERRY | | |

TOOL SETTING INFORMATION

| | | | |
|----------------------|------------|---------------------|-------------|
| TEST INTERVAL (From) | 3775 | TOP PACKER DEPTH | 3770 |
| TEST INTERVAL (to) | 3785 | BOTTOM PACKER DEPTH | 3775 |
| ANCHOR LENGTH | 10 | NUMBER OF PACKERS | 2 |
| TOTAL DEPTH (ft) | 3785 | PACKER SIZE | 6 3/4 |
| | | HOLE SIZE | 7 7/8 |

FLOW TIMES

| | | | |
|----------------------------------|------------|--------------------------------|------------|
| TOOL OPEN (from) | 3:50 | TOOL OPEN (from) | 4:35 |
| INITIAL OPEN TOOL OPEN (to) | 4:05 | FINAL OPEN TOOL OPEN (to) | 5:20 |
| DURATION (min.) | 15 | DURATION (min.) | 45 |
| TOOL CLOSED (from) | 4:05 | TOOL CLOSED (from) | 5:20 |
| INITIAL SHUT-IN TOOL CLOSED (to) | 4:35 | FINAL SHUT-IN TOOL CLOSED (to) | 6:20 |
| DURATION (min.) | 30 | DURATION (min.) | 60 |

INITIAL FLOW STRONG BLOW BOTTOM OF FIVE GALLON BUCKET IN 3 MINUTES

FINAL FLOW STRONG BLOW BOTTOM OF FIVE GALLON BUCKET IN 3 MINUTES

| FEET OF Recovery | 1990 | RECOVERY DESCRIPTION | RESISTIVITY AT DEGREES CHLORIDES | | | |
|------------------|------|-------------------------|----------------------------------|-------|-------|---------|
| | | | % GAS | % OIL | % MUD | % WATER |
| 1) 90 | | GASSY MUD CUT OIL | | 70 | 30 | |
| 2) 660 | | GAS MUD OIL CUT WATER | 10 | 15 | 10 | 65 |
| 3) 300 | | GAS OIL MUD CUT WATER | 10 | 10 | 20 | 60 |
| 4) 930 | | TRACE OIL MUD CUT WATER | | TRACE | 5 | 95 |
| 5) | | | | | | |

RECEIVED
 MAY 30 2006
 KCC WICHITA

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

KCC
MAY 26 2006
CONFIDENTIAL

GENERAL INFORMATION

| | | | |
|------------------------------|------------------------------|--------------------------------|----------------|
| COMPANY NAME | MURFIN DRILLING COMPANY INC. | LEASE AND WELL NUMBER | RUTH #1-4 |
| TEST DATE | 4/11/06 | FORMATION TESTED | ARBUCKLE |
| SECTION-TOWN-RANGE | 4-11-21W | DRILL STEM TEST NUMBER | 6 |
| STATE | KANSAS | REPORT NUMBER | 14218 |
| COUNTY | TREGO | ELEVATION KELLY BUSHINGS | 2169 |
| ELEVATION GROUND LEVEL | 2164 | TESTING ENGINEER | NATHAN MANRING |
| COMPANY REPRESENTATIVE | TERRY | | |

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 |
| | 60 MILES ROUND TRIP FROM | HAYS | |
| TOP RECORDER DEPTH | 3781 | BOTTOM RECORDER DEPTH | 3782 |
| RECORDER NUMBER | 91981 | RECORDER NUMBER | 5463 |

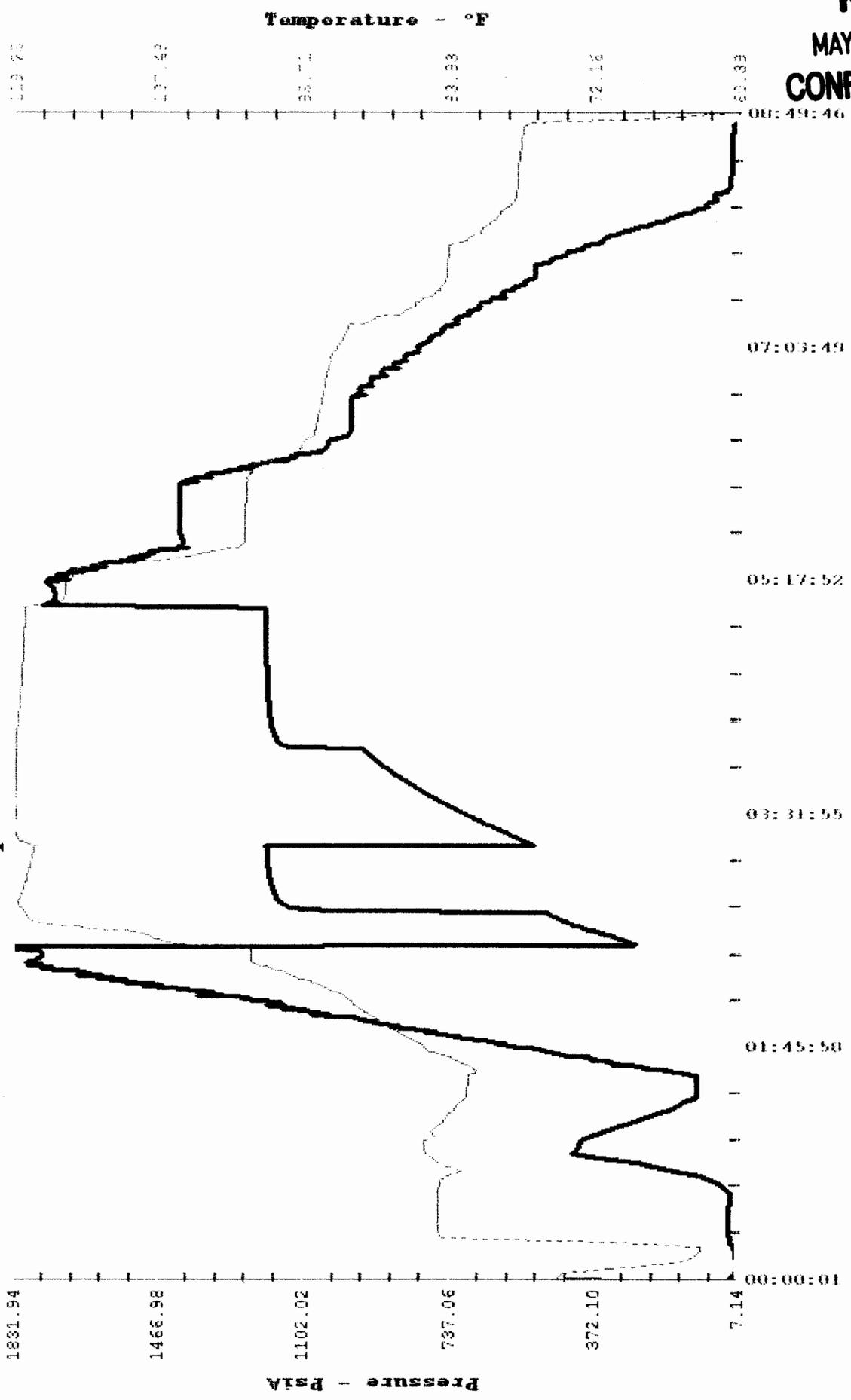
WELL INFORMATION

| | | | |
|---------------------------|-------------------------|---------------------------|------------|
| DRILLING CONTRACTOR | MURFIN DRILLING RIG #24 | DRILL COLLAR LENGTH | 125 |
| DRILL PIPE LENGTH | 3629 | 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 |
| WEIGHT PIPE I.D. | 2.25 | VISCOSITY | 55 |
| TOOL JOINT SIZE | 4 1/2 X.H. | WATER LOSS | 6.8 |
| | | CHLORIDES-PITS | 4,800 |
| | | CHLORIDES-DST | |

COMMENTS

RECEIVED
MAY 30 2006
KCC WICHITA

Temperature / Pressure Data



KCC
MAY 26 2006
CONFIDENTIAL

MURFIN DRILLING COMPANY INC. RUTH #1-4 4-11-21W 04-11-2006

Superior Testers Enterprises, Inc.

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

(316) 792-6902 KB 2164

KCC

MAY 26 2006

CONFIDENTIAL

Date 4-11-06 Location 4-11-21N Elevation 2164 County TREGO

Company Murkin Drilling Company INC. Number of Copies 5

Charts Mailed to 250 N. Water Suite 300 Wichita KS 67202

Drilling Contractor Murkin Drilling Rig #24

Length Drill Pipe 3655 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 125 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 XH

Top Packer Depth 3796 Bottom Packer Depth 3801 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3801 TO 3810 ANCHOR LENGTH 9 TOTAL DEPTH 3810 Hole Size 7 7/8

LEASE & WELL NO. Ruth # 1-4 FORMATION TESTED ARBUCKIE TEST NO. 7

Mud Weight 9.1 Viscosity 48 Water Loss 6.8 Chlorides - Pits 5,400 D.S.T. ---

Maximum Temp. 110 °F Initial Hydrostatic Pressure (A) 1854 P.S.I. Final Hydrostatic Pressure (H) 1797 P.S.I.

Tool Open I.F.P. from 7:30 m to 8:00 m 30 min

Tool Closed I.C.I.P. from 8:00 m to 8:45 m 45 min

Tool Open F.F.P. from 8:45 m to 9:15 m 30 min

Tool Closed F.C.I.P. from 9:15 m to 10:00 m 45 min

Initial Blow Very weak surface blow died after 11 minutes

Final Blow ---

Total Feet Recovered 1 foot Gravity of Oil --- Corrected ---

Feet of drilling mud % 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 YES Extra Packer --- Straddle --- Hook Wall ---

Top Recorder No. 4005 Clock No. electronic Depth 3806 Cir. Sub --- Sampler ---

Bottom Recorder No. 7895 Clock No. 3539 Depth 3807 Insurance ---

Price of Job ---

Tool Operator NATHAN MANRENG

Approved By ---

No 14219

| | | | | |
|----------|------------|---------------|-----------|--------|
| from [B] | <u>56</u> | P.S.I. to [C] | <u>38</u> | P.S.I. |
| [D] | <u>578</u> | | | P.S.I. |
| from [E] | <u>44</u> | P.S.I. to [F] | <u>38</u> | P.S.I. |
| [G] | <u>962</u> | | | P.S.I. |

RECEIVED
MAY 30 2006
KCC WICHITA

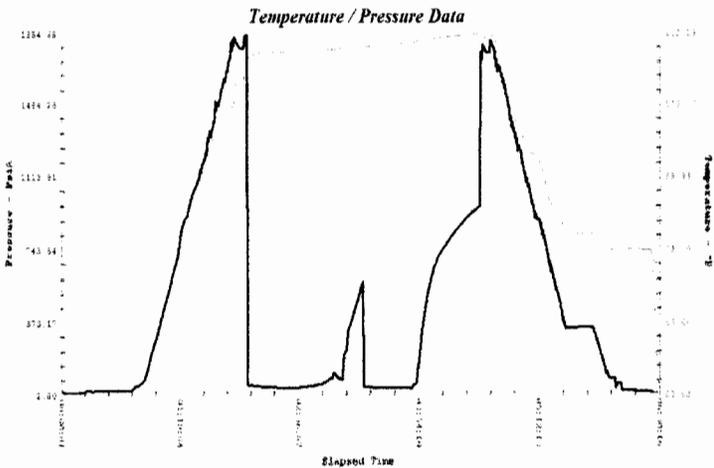
Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. 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



| | | |
|---|------------------------------|------|
| 1 | Initial Hydrostatic Pressure | 1854 |
| 2 | Initial Flow Pressure | 56 |
| 3 | Final Initial Flow Pressure | 38 |
| 4 | Initial Shut-In Pressure | 578 |
| 5 | Initial Final Flow Pressure | 44 |
| 6 | Final Flow Pressure | 38 |
| 7 | Final Shut-In Pressure | 962 |
| 8 | Final Hydrostatic Pressure | 1797 |

Maximum Temperature 110

GENERAL INFORMATION

| | |
|---|---------------------------------------|
| COMPANY NAME MURFIN DRILLING COMPANY INC. | |
| TEST DATE 4/11/06 | LEASE AND WELL NUMBER RUTH #1-4 |
| SECTION-TOWN-RANGE 3-11-21W | FORMATION TESTED ARBUCKLE |
| STATE KANSAS | DRILL STEM TEST NUMBER 7 |
| COUNTY TREGO | REPORT NUMBER 14219 |
| ELEVATION GROUND LEVEL 2164 | ELEVATION KELLY BUSHINGS 2169 |
| COMPANY REPRESENTATIVE TERRY | TESTING ENGINEER NATHAN MANNING |

KCC
MAY 26 2006
CONFIDENTIAL

TOOL SETTING INFORMATION

| | |
|---------------------------------|--------------------------------|
| TEST INTERVAL (From) 3801 | TOP PACKER DEPTH 3796 |
| TEST INTERVAL (to) 3810 | BOTTOM PACKER DEPTH 3801 |
| ANCHOR LENGTH 9 | NUMBER OF PACKERS 2 |
| TOTAL DEPTH (ft) 3810 | PACKER SIZE 6 3/4 |
| | HOLE SIZE 7 7/8 |

FLOW TIMES

| | |
|---|--|
| TOOL OPEN (from) 7:30 | TOOL OPEN (from) 8:45 |
| INITIAL OPEN TOOL OPEN (to) 8:00 | FINAL OPEN TOOL OPEN (to) 9:15 |
| DURATION (min.) 30 | DURATION (min.) 30 |
| TOOL CLOSED (from) 8:00 | TOOL CLOSED (from) 9:15 |
| INITIAL SHUT-IN TOOL CLOSED (to) 8:45 | FINAL SHUT-IN TOOL CLOSED (to) 10:00 |
| DURATION (min.) 45 | DURATION (min.) 45 |

RECEIVED
MAY 30 2006
KCC WICHITA

INITIAL FLOW VERY WEAK SURFACE BLOW DIED AFTER 11 MINUTES

FINAL FLOW NO BLOW

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

Company: MURFIN DRILLING COMPANY INC. Lease & Well No. RUTH #1-4 Test #: 7 Date: 04-11-2006 SEC.
 4 TWP. 11 RGE. 21W

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME MURFIN DRILLING COMPANY INC.
TEST DATE 4/11/06 LEASE AND WELL NUMBER RUTH #1-4
SECTION-TOWN-RANGE 3-11-21W FORMATION TESTED ARBUCKLE
STATE KANSAS DRILL STEM TEST NUMBER 7
COUNTY TREGO REPORT NUMBER 14219
ELEVATION GROUND LEVEL 2164 ELEVATION KELLY BUSHINGS 2169
COMPANY REPRESENTATIVE TERRY TESTING ENGINEER NATHAN MANNING

EXTRA EQUIPMENT

JARS NO EXTRA PACKER (3RD) NO
SAFETY JOINT YES EXTRA PACKER (4TH) NO
ELECTRONIC RECORDER YES STRADDLE NO
CIRCULATING SUB NO HOOK WALL NO
60 MILES ROUND TRIP FROM HAYS SAMPLER NO
TOP RECORDER DEPTH 3806 BOTTOM RECORDER DEPTH 3807
RECORDER NUMBER 91981 RECORDER NUMBER 5463

KCC
MAY 26 2006
CONFIDENTIAL

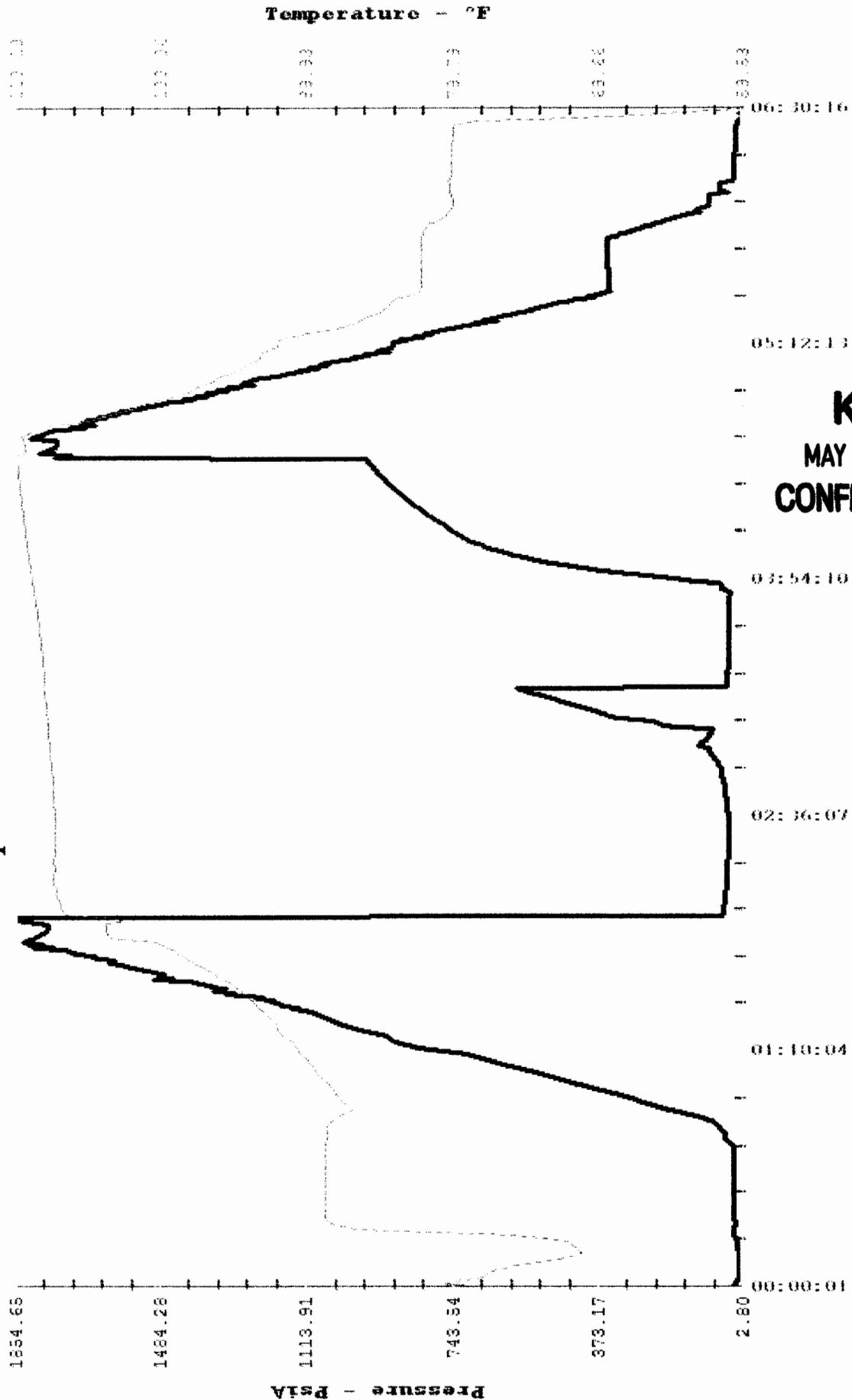
WELL INFORMATION

DRILLING CONTRACTOR MURFIN DRILLING RIG #24
DRILL PIPE LENGTH 3655 DRILL COLLAR LENGTH 125
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 9.1
WEIGHT PIPE I.D. 2.25 VISCOSITY 48
TOOL JOINT SIZE 4 1/2 X.H. WATER LOSS 6.8
CHLORIDES-PITS 5,400
CHLORIDES-DST

COMMENTS

RECEIVED
MAY 30 2006
KCC WICHITA

Temperature / Pressure Data



KCC
MAY 26 2006
CONFIDENTIAL

04-11-2006

4-11-21W

RUTH #1-4

MURFIN DRILLING COMPANY INC.