

Murfin Drilling Co.
K of 1-28

28-21s-13w
15-195-23284

Superior Testers Enterprises, Inc.

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

Date 11-3-2004 Location 1700 FSL-660FWL 28-21^{S13W} Elevation 1913 KB 19046 L County Stafford

Company Murfin Drilling Company Number of Copies 5

Charts Mailed to 250 North Water Suite 300 Wichita, Kansas 67202

Drilling Contractor Murfin Drilling Co. Rig # 22

Length Drill Pipe 3017 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 1 1/2"

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

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

Top Packer Depth 3409 Bottom Packer Depth 3414 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3414 TO 3474 ANCHOR LENGTH 60 TOTAL DEPTH 3474 Hole Size 7 7/8"

LEASE & WELL NO. K of # 1-28 FORMATION TESTED Kansas City "O-E-FG" TEST NO. 1

Mud Weight 9.3 Viscosity 54 Water Loss 11.4 Chlorides - Pits 12000 D.S.T. _____

Maximum Temp. 101 °F Initial Hydrostatic Pressure (A) 1772 P.S.I. Final Hydrostatic Pressure (H) 1683 P.S.I.

Tool Open I.F.P. from <u>4:15</u> pm to <u>4:45</u> pm <u>30</u> min	from [B] <u>53</u> P.S.I. to [C] <u>65</u> P.S.I.
Tool Closed I.C.I.P. from <u>4:45</u> pm to <u>5:15</u> pm <u>30</u> min	[D] <u>360</u> P.S.I.
Tool Open F.F.P. from <u>5:15</u> pm to <u>5:45</u> pm <u>30</u> min	from [E] <u>71</u> P.S.I. to [F] <u>75</u> P.S.I.
Tool Closed F.C.I.P. from <u>5:45</u> pm to <u>6:15</u> pm <u>30</u> min	[G] <u>181</u> P.S.I.

Initial Blow WEAK blow for 18 minutes & DIED

Final Blow no blow

Total Feet Recovered 30 Gravity of Oil _____ Corrected _____

<u>30</u> Feet of <u>very SLIGHTLY OIL cut mud</u>	% 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 NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 47441 Clock No. 47441 Depth 3468 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 91941 Clock No. Electronic Depth 3471 Insurance NONE

Price of Job _____

Tool Operator Gene Ludwig

Approved By _____
NO 12249

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 INC.

Great Bend, Kansas

CHART DATA

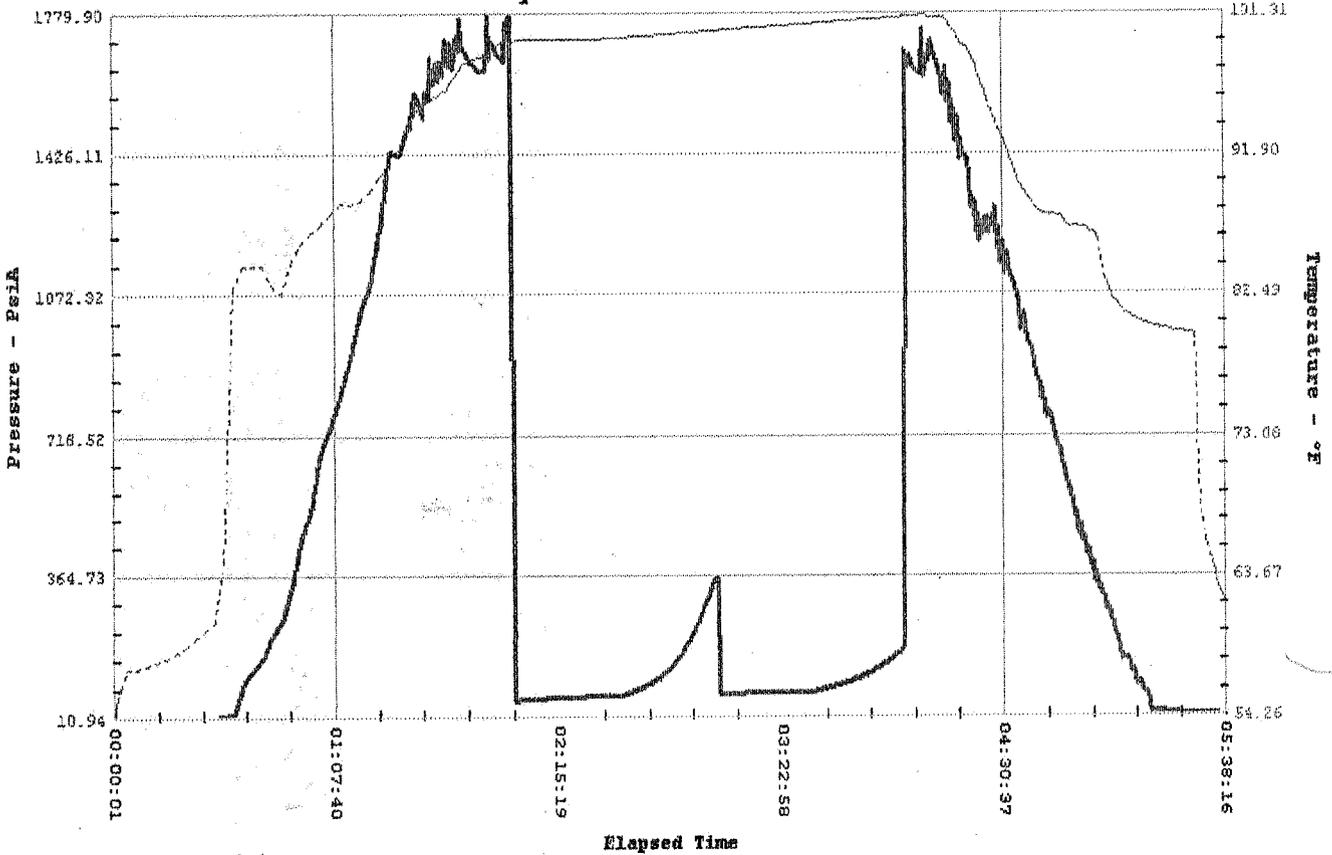
(316) 792-6902

State KANSAS
County STAFFORD
Field

Test Date 11-03-204
Sec Town Range 28-21S-13W
Report Number 12249

Company: MURFIN DRILLING COMPANY Lease & Well No. K & F # 1-28 Test #: 1 Date: 11-03-2004 SEC. 28 TWP.
21S RGE. 13W

Temperature / Pressure Data



Field Reading

(1)	Initial Hydrostatic Pressure	1772
(2)	Initial Flow Pressure	53
(3)	Final Initial Flow Pressure	65
(4)	Initial Shut-In Pressure	360
(5)	Initial Final Flow Pressure	71
(6)	Final Flow Pressure	75
(7)	Final Shut-In Pressure	181
(8)	Final Hydrostatic Pressure	1683

ELECTRONIC RECORDER DEPTH 3470 FT, RECORDER NUMBER 91981

SUPERIOR TESTERS ENTERPRISES INC. DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	MURFIN DRILLING COMPANY	LEASE AND WELL NUMBER	K & F #1-28
TEST DATE	11-03-204	FORMATION TESTED	KANSAS CITY "D-E-F-G-"
SECTION-TOWN-RANGE	28-21S-13W	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	12249
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1913
ELEVATION GROUND LEVEL	1904	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	JEFF ZOLLER		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3414	TOP PACKER DEPTH	3409
TEST INTERVAL (to)	3474	BOTTOM PACKER DEPTH	3414
ANCHOR LENGTH	60	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3474	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)
 4:15 |

TOOL OPEN (to)
 4:45 |

DURATION (min.)
 30 |

INITIAL SHUT-IN

TOOL CLOSED (from)
 4:45 |

TOOL CLOSED (to)
 5:15 |

DURATION (min.)
 30 |

FINAL OPEN

TOOL OPEN (from)
 5:15 |

TOOL OPEN (to)
 5:45 |

DURATION (min.)
 30 |

FINAL SHUT-IN

TOOL CLOSED (from)
 5:45 |

TOOL CLOSED (to)
 6:15 |

DURATION (min.)
 30 |

PRESSURE READINGS

INITIAL HYDROSTATIC
 1772 |

INITIAL FLOW
 53 |

FINAL INITIAL FLOW
 65 |

INITIAL SHUT-IN
 360 |

INITIAL FINAL FLOW
 71 |

FINAL FLOW
 75 |

FINAL SHUT-IN
 181 |

FINAL HYDROSTATIC
 1683 |

MAXIMUM TEMPERATURE
 101 |

TOP RECORDER DEPTH
 3470 |

RECORDER NUMBER
 91981 |

BOTTOM RECORDER DEPTH
 3471 |

RECORDER NUMBER
 13208 |

INITIAL BLOW

WEAK BLOW FOR 18 MINUTES AND DIED

FINAL BLOW

NO BLOW

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

29 ROUND TRIP MILES FROM GREAT BEND

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **MURFIN DRILLING RIG # 22**

DRILL PIPE LENGTH **3017**

DRILL PIPE I.D. **3.8**

TOOL JOINT SIZE **4 1/2 X.H.**

DRILL COLLAR LENGTH **240**

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 **54**

WATER LOSS **11.2**

CHLORIDES-PITS **12000**

CHLORIDES-DST

FEET OF RECOVERY	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 30	VERY SLIGHTLY OIL CUT MUD				
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					

TOTAL RECOVERY

COMMENTS

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 11-04-2004 Location 1700 EBL / 660 FWL 28-21-13^N Elevation 1913KB / 19046L County Stoddard

Company Murfin Drilling Company Number of Copies 5

Charts Mailed to 250 North Waters Suite 300 Wichita Kansas 67202

Drilling Contractor Murfin Drilling Rig #22

Length Drill Pipe 3221 I.D. Drill Pipe 13.80 Tool Joint Size 4 1/2" X 11

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

Length Drill Collars 240 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 11

Top Packer Depth 3475 Bottom Packer Depth 3480 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3480 TO 3570 ANCHOR LENGTH 90 TOTAL DEPTH 3570 Hole Size 7 1/8

EASE & WELL NO. K&F #1-28 FORMATION TESTED Kansas C.M "H-K" TEST NO. 2

Mud Weight 9.31 Viscosity 62 Water Loss 10 1/2 Chlorides - Pits 11500 D.S.T. _____

Maximum Temp. 101 °F Initial Hydrostatic Pressure (A) 1834 P.S.I. Final Hydrostatic Pressure (H) 1748 P.S.I.

Tool Open I.F.P. from <u>9:45 A.m</u> to <u>10:15 A.m</u> <u>30</u> min	from [B] <u>89</u> P.S.I. to [C] <u>116</u> P.S.I.
Tool Closed I.C.I.P. from <u>10:15 A.m</u> to <u>10:45 A.m</u> <u>30</u> min	[D] <u>211</u> P.S.I.
Tool Open F.F.P. from <u>10:45 A.m</u> to <u>11:30 A.m</u> <u>45</u> min	from [E] <u>130</u> P.S.I. to [F] <u>146</u> P.S.I.
Tool Closed F.C.I.P. from <u>11:30 A.m</u> to <u>12:30 A.m</u> <u>60</u> min	[G] <u>222</u> P.S.I.

Initial Blow WEAK STADY 2 INCH BLOW

Final Blow WEAK BLOW BUILT TO 6 INCHES & DECREASED TO A VERY WEAK SURFACE FINISH

Total Feet Recovered 130 Gravity of Oil _____ Corrected _____

<u>130</u> Feet of	<u>Drilling mud slicker show of</u>	% Gas	% Oil	% Mud	% Water
Feet of	<u>0.1 Between the tools</u>	% 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 None Straddle None Hook Wall None

Top Recorder No. 9190 Clock No. 11444 Depth 3566 Cir. Sub None Sampler None

Bottom Recorder No. 13208 Clock No. 47441 Depth 3567 Insurance None

Price of Job _____

Tool Operator Don Ball

Approved By _____
No 12250

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SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

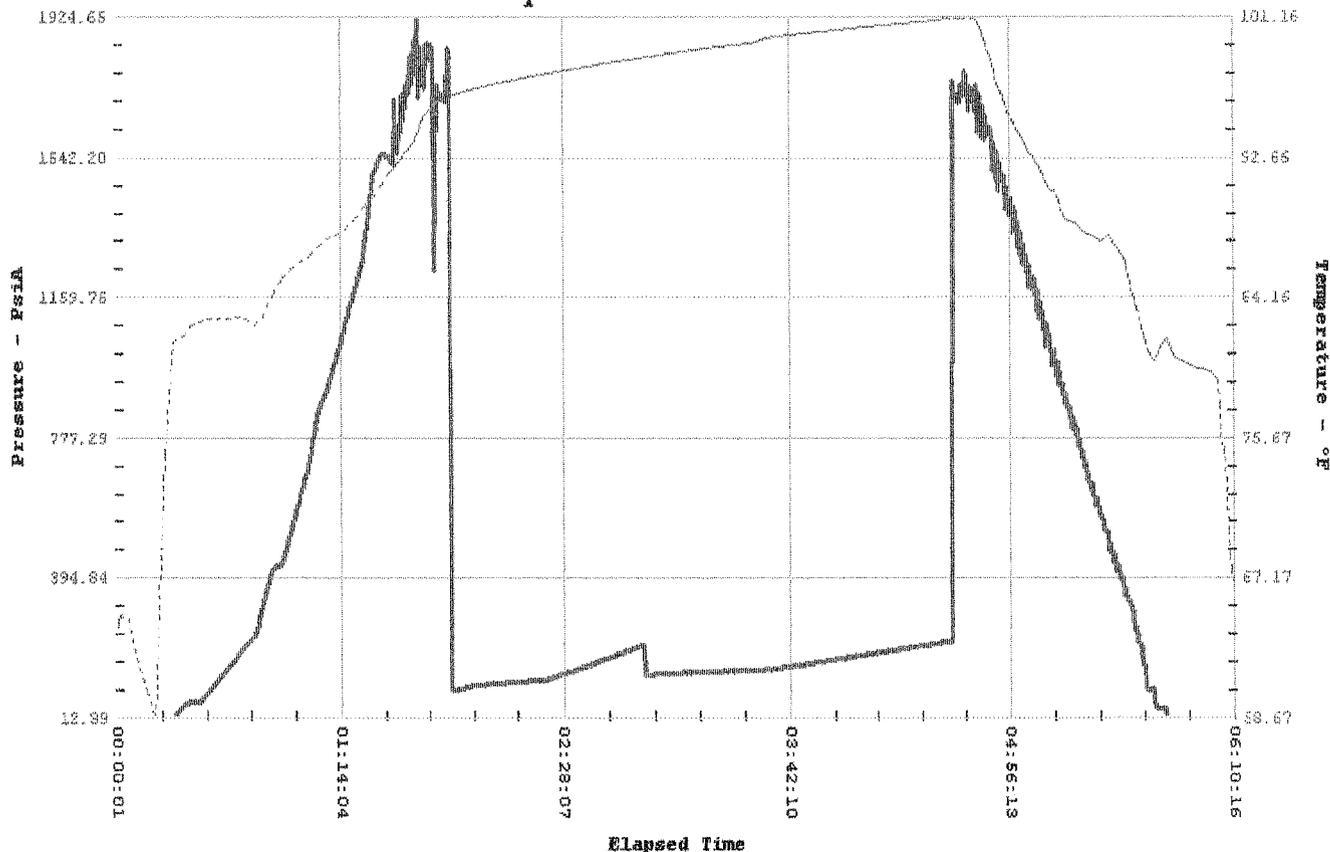
(316) 792-6902

State KANSAS
County STAFFORD
Field

Test Date November 4, 2004
Sec Town Range 28-21S-13W
Report Number 12250

Company: MURFIN DRILLING COMPANY Lease & Well No. K & F #1-28 Test #: 2 Date: 11-04-2004 SEC. 28 TWP.
21S RGE. 13W

Temperature / Pressure Data



Field Reading

(1)	Initial Hydrostatic Pressure	1834
(2)	Initial Flow Pressure	89
(3)	Final Initial Flow Pressure	116
(4)	Initial Shut-In Pressure	211
(5)	Initial Final Flow Pressure	130
(6)	Final Flow Pressure	146
(7)	Final Shut-In Pressure	222
(8)	Final Hydrostatic Pressure	1748

ELECTRONIC RECORDER DEPTH 3566 FT, RECORDER NUMBER 91981

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT
 GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	MURFIN DRILLING COMPANY	LEASE AND WELL NUMBER	K & F # 1-28
TEST DATE	11/4/2004	FORMATION TESTED	KANSAS CITY "H-I-J-K"
SECTION-TOWN-RANGE	28-21S-13W	DRILL STEM TEST NUMBER	2
STATE	KANSAS	REPORT NUMBER	12250
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1913
ELEVATION GROUND LEVEL	1904	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	JEFF ZOLLER		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3480	TOP PACKER DEPTH	3475
TEST INTERVAL (to)	3570	BOTTOM PACKER DEPTH	3480
ANCHOR LENGTH	90	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3570	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)

TOOL OPEN (to)

DURATION (min.)

INITIAL SHUT-IN

TOOL CLOSED (from)

TOOL CLOSED (to)

DURATION (min.)

FINAL OPEN

TOOL OPEN (from)

TOOL OPEN (to)

DURATION (min.)

FINAL SHUT-IN

TOOL CLOSED (from)

TOOL CLOSED (to)

DURATION (min.)

PRESSURE READINGS

INITIAL HYDROSTATIC

INITIAL FLOW

FINAL INITIAL FLOW

INITIAL SHUT-IN

INITIAL FINAL FLOW

FINAL FLOW

FINAL SHUT-IN

FINAL HYDROSTATIC

MAXIMUM TEMPERATURE

TOP RECORDER DEPTH

RECORDER NUMBER

BOTTOM RECORDER DEPTH

RECORDER NUMBER

INITIAL BLOW

WEAK STEADY 2 INCH BLOW

FINAL BLOW

WEAK BLOW BUILT TO 6 INCHES INTO THE WATER IN APPROX 1 MINUTE AND DECREASED TO A VERY WEAK SURFACE BLOW AT THE END OF 45 MINUTES

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

29 ROUND TRIP MILES FROM GREAT BEND

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT
 GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR	MURFIN DRILLING RIG # 22	DRILL COLLAR LENGTH	240
DRILL PIPE LENGTH	3221	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.	MUD WEIGHT #/GAL	9.3
WEIGHT PIPE LENGTH		VISCOSITY	62
WEIGHT PIPE I.D.	2.25	WATER LOSS	10.4
TOOL JOINT SIZE	4 1/2 X.H.	CHLORIDES-PITS	11500
		CHLORIDES-DST	

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	130	DRILLING MUD WITH A SLIGHT SHOW OF OIL BETWEEN THE TOOLS				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						
		TOTAL RECOVERY				

COMMENTS

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 11-05-2004 Location 1700 ESI #662 FWL 28-27-13^W Elevation 1913.66 County Stafford

Company Murphy Drilling Company Number of Copies 5

Charts Mailed to 250 North Water Suite 300 Wichita, Kansas 67202

Drilling Contractor Murphy Drilling Lic #22

Length Drill Pipe 3397 I.D. Drill Pipe 5.86 Tool Joint Size 4 1/2" X 11

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

Length Drill Collars 210 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 11

Top Packer Depth 3621 Bottom Packer Depth 3626 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3626 TO 3670 ANCHOR LENGTH 44 TOTAL DEPTH 3670 Hole Size 7 7/8"

EASE & WELL NO. K&F #1-28 FORMATION TESTED Viola TEST NO. 3

Mud Weight 9.3 Viscosity 62 Water Loss 10.4 Chlorides - Pits 11500 D.S.T. _____

Maximum Temp. 101 °F Initial Hydrostatic Pressure (A) 1861 P.S.I. Final Hydrostatic Pressure (H) 1787 P.S.I.

Tool Open I.F.P. from 12:45 A.M. to 1:15 A.M. 30 min

Tool Closed I.C.I.P. from 1:15 A.M. to 1:45 A.M. 30 min

Tool Open F.F.P. from 1:45 A.M. to 2:15 A.M. 30 min

Tool Closed F.C.I.P. from 2:15 A.M. to 3:45 A.M. 90 min

Initial Blow WEAK blow built to 1 inch into the water & DECREASED to a VERY WEAK

Final Blow WEAK Intermittent blow for 2 minutes. SURFACE BLOW

Total Feet Recovered 10 EDIED Gravity of Oil _____ Corrected

10	Feet of <u>mud</u>	% 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 None Safety Joint None Extra Packer None Straddle None Hook Wall None

Top Recorder No. 91981 Clock No. Electronic Depth 3666 Cir. Sub None Sampler None

Bottom Recorder No. 13208 Clock No. 47441 Depth 3667 Insurance None

Price of Job _____

Tool Operator Gene Budig

Approved By _____
No 12251

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SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

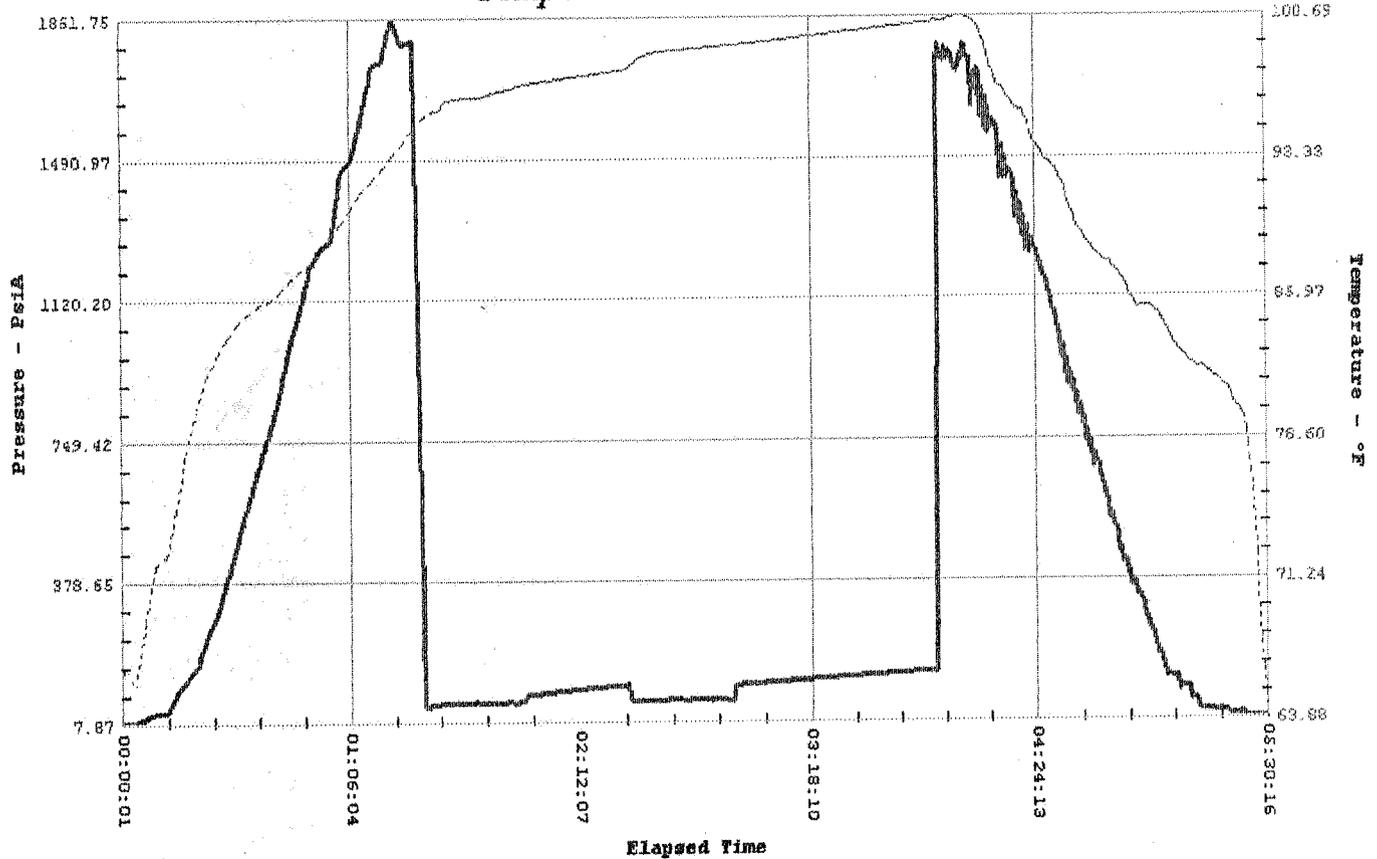
CHART DATA

(316) 792-6902

State KANSAS
 County STAFFORD
 Field

Test Date November 5, 2004
 Sec Town Range 28-21S-13W
 Report Number 12251

Temperature / Pressure Data



Field Reading

(1)	Initial Hydrostatic Pressure	1861
(2)	Initial Flow Pressure	53
(3)	Final Initial Flow Pressure	63
(4)	Initial Shut-In Pressure	107
(5)	Initial Final Flow Pressure	63
(6)	Final Flow Pressure	67
(7)	Final Shut-In Pressure	141
(8)	Final Hydrostatic Pressure	1787

ELECTRONIC RECORDER DEPTH 3666 FT, RECORDER NUMBER 91981

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT
 GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	MURFIN DRILLING COMPANY	LEASE AND WELL NUMBER	K & F #1-28
TEST DATE	11/5/2004	FORMATION TESTED	VIOLA
SECTION-TOWN-RANGE	28-21S-13W	DRILL STEM TEST NUMBER	3
STATE	KANSAS	REPORT NUMBER	12251
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1913
ELEVATION GROUND LEVEL	1904	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	JEFF ZOLLER		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3626	TOP PACKER DEPTH	3621
TEST INTERVAL (to)	3670	BOTTOM PACKER DEPTH	3626
ANCHOR LENGTH	44	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3670	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)

TOOL OPEN (to)

DURATION (min.)

INITIAL SHUT-IN

TOOL CLOSED (from)

TOOL CLOSED (to)

DURATION (min.)

FINAL OPEN

TOOL OPEN (from)

TOOL OPEN (to)

DURATION (min.)

FINAL SHUT-IN

TOOL CLOSED (from)

TOOL CLOSED (to)

DURATION (min.)

PRESSURE READINGS

INITIAL HYDROSTATIC

INITIAL FLOW

FINAL INITIAL FLOW

INITIAL SHUT-IN

INITIAL FINAL FLOW

FINAL FLOW

FINAL SHUT-IN

FINAL HYDROSTATIC

MAXIMUM TEMPERATURE

TOP RECORDER DEPTH

RECORDER NUMBER

BOTTOM RECORDER DEPTH

RECORDER NUMBER

INITIAL BLOW

WEAK BLOW BUILT TO 1 INCH INTO THE WATER AND DECREASED TO A VERY WEAK SURFACE BLOW

FINAL BLOW

VERY WEAK INTERMITTANT SURFACE BLOW FOR 7 MINUTES AND DIED

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
MILES TO LOCATION	29	SAMPLER	NO

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 11-05-04 Location 1700 FSL 660 FWL 2821-13 W Elevation 1913.15 County Stafford
 Company Murfin Drilling Company Number of Copies 5
 Charts Mailed to 250 North Water, Suite 300 Wichita, Kansas 67202
 Drilling Contractor Murfin Drilling Company Reg # 22
 Length Drill Pipe 3371 I.D. Drill Pipe 3.88 Tool Joint Size 4 1/2" X.H.
 Length Weight Pipe None I.D. Weight Pipe None Tool Joint Size None
 Length Drill Collars 270 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.
 Top Packer Depth 3655 Bottom Packer Depth 3660 Number of Packers 2 Packer Size 6 3/4"
 TESTED FROM 3660 TO 3720 ANCHOR LENGTH 60 TOTAL DEPTH 3720 Hole Size 4 1/8"
 LEASE & WELL NO. K&F # 1-28 FORMATION TESTED Arbuckle TEST NO. 4
 Mud Weight 8.8 Viscosity 66 Water Loss 8.9 Chlorides - Pits 10,000 D.S.T. _____
 Maximum Temp. 111 °F Initial Hydrostatic Pressure (A) 1875 P.S.I. Final Hydrostatic Pressure (H) 1824 P.S.I.

Tool Open I.F.P. from 4:00 p.m. to 4:15 p.m. 15 min
 Tool Closed I.C.I.P. from 4:15 p.m. to 5:15 p.m. 60 min
 Tool Open F.F.P. from 5:15 p.m. to 6:15 p.m. 60 min
 Tool Closed F.C.I.P. from 6:15 p.m. to 8:15 p.m. 120 min

from [B] <u>156</u> P.S.I. to [C] <u>247</u> P.S.I.
[D] <u>1202</u> P.S.I.
from [E] <u>266</u> P.S.I. to [F] <u>474</u> P.S.I.
[G] <u>1196</u> P.S.I.

Initial Blow Fair blow built to the bottom of a 5 Gallon bucket in 3 min
 Final Blow Fair blow built to the bottom of a 5 Gallon bucket in 6 min
 Total Feet Recovered 1050 Gravity of Oil 38 Corrected

<u>300</u> Feet of <u>Gas in the Pipe</u>	100% Gas	0% Oil	0% Mud	0% Water
<u>250</u> Feet of <u>Slightly muddy Gassy oil</u>	20% Gas	65% Oil	15% Mud	0% Water
<u>500</u> Feet of <u>Clean Gassy oil - Gravity 38 corrected</u>	25% Gas	75% Oil	0% Mud	0% 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. 9194 Clock No. Electron Depth 3716 Cir. Sub None Sampler None
 Bottom Recorder No. 13203 Clock No. 47441 Depth 3717 Insurance None

Price of Job _____
 Tool Operator Gene Duby
 Approved By _____
 No 12252

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SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

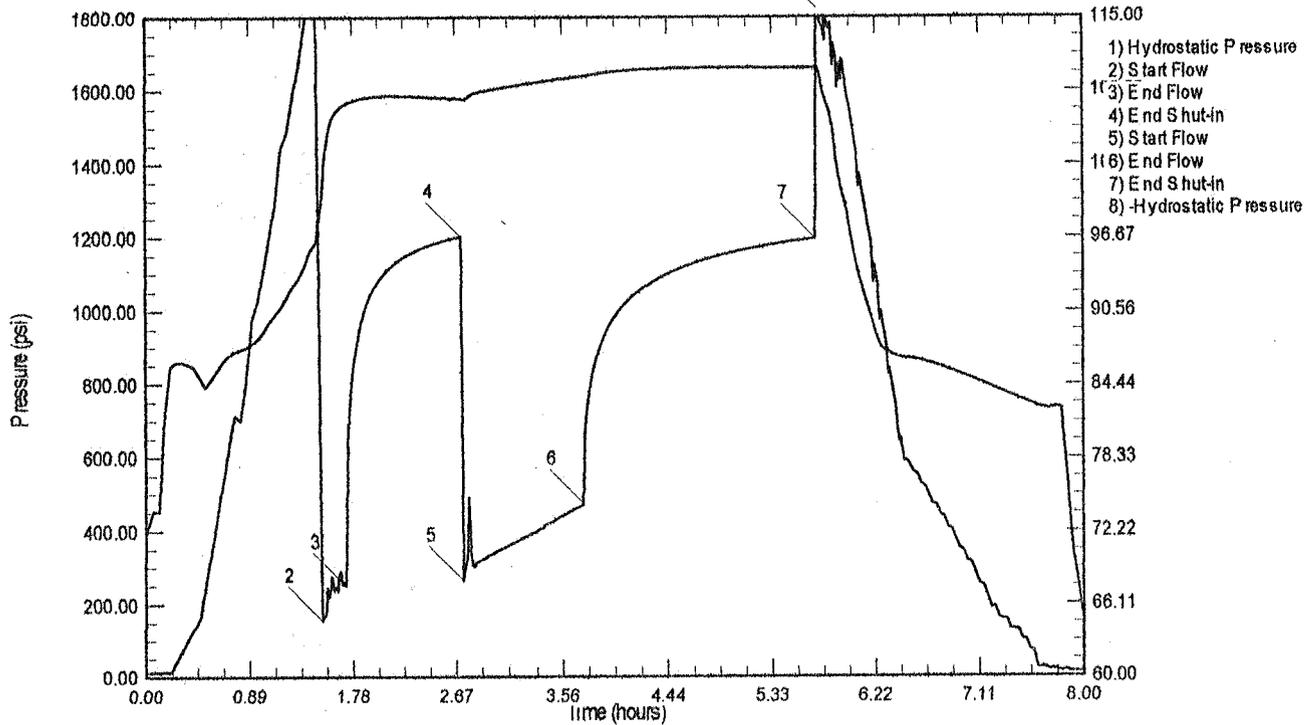
CHART DATA

(316) 792-6902

State KANSAS
 County STAFFORD
 Field

Test Date November 5, 2004
 Sec Town Range 28-21S-13W
 Report Number 12252

Company: MURFIN DRILLING COMPANY Lease & Well No. K & F # 1-28 Test #: 4 Date: 11-05-2004 SEC. 28 TWP.
 21S RGE. 13W



Field Reading

(1)	Initial Hydrostatic Pressure	1875
(2)	Initial Flow Pressure	156
(3)	Final Initial Flow Pressure	247
(4)	Initial Shut-In Pressure	1202
(5)	Initial Final Flow Pressure	266
(6)	Final Flow Pressure	474
(7)	Final Shut-In Pressure	1196
(8)	Final Hydrostatic Pressure	1824

ELECTRONIC RECORDER DEPTH 3716 FT, RECORDER NUMBER 91981

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	MURFIN DRILLING COMPANY	LEASE AND WELL NUMBER	K & F #1-28
TEST DATE	11/5/2004	FORMATION TESTED	ARBUCKLE
SECTION-TOWN-RANGE	28-21S-13W	DRILL STEM TEST NUMBER	4
STATE	KANSAS	REPORT NUMBER	12252
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1913
ELEVATION GROUND LEVEL	1904	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	JEFF ZOLLER		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	3660	TOP PACKER DEPTH	3655
TEST INTERVAL (to)	3720	BOTTOM PACKER DEPTH	3660
ANCHOR LENGTH	60	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	3720	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)	4:00
TOOL OPEN (to)	4:15
DURATION (min.)	15

INITIAL SHUT-IN

TOOL CLOSED (from)	4:15
TOOL CLOSED (to)	5:15
DURATION (min.)	60

FINAL OPEN

TOOL OPEN (from)	5:15
TOOL OPEN (to)	6:15
DURATION (min.)	60

FINAL SHUT-IN

TOOL CLOSED (from)	6:15
TOOL CLOSED (to)	8:15
DURATION (min.)	120

PRESSURE READINGS

INITIAL HYDROSTATIC	1875
INITIAL FLOW	156
FINAL INITIAL FLOW	247
INITIAL SHUT-IN	1202
INITIAL FINAL FLOW	266
FINAL FLOW	474
FINAL SHUT-IN	1196
FINAL HYDROSTATIC	1824
MAXIMUM TEMPERATURE	111
TOP RECORDER DEPTH	3716
RECORDER NUMBER	91981
BOTTOM RECORDER DEPTH	3717
RECORDER NUMBER	13208

INITIAL BLOW

FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES

FINAL BLOW

FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 6 MINUTES

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

29 ROUND TRIP MILES FROM GREAT BEND

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT
 GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **MURFIN DRILLING RIG # 22**

DRILL PIPE LENGTH **3371**

DRILL PIPE I.D. **3.8**

TOOL JOINT SIZE **4 1/2 X.H.**

DRILL COLLAR LENGTH **270**

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 **8.8**

VISCOSITY **66**

WATER LOSS **8.8**

CHLORIDES-PITS **10000**

CHLORIDES-DST

	FEET OF RECOVERY	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	300	GAS IN THE PIPE	100	0	0	0
2)	250	SLIGHTLY MUDDY GASSY OIL	20	65	15	0
3)	800	CLEAN GASSY OIL-GRAVITY 38 CORRECTED	25	75	0	0
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						

TOTAL RECOVERY

COMMENTS

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

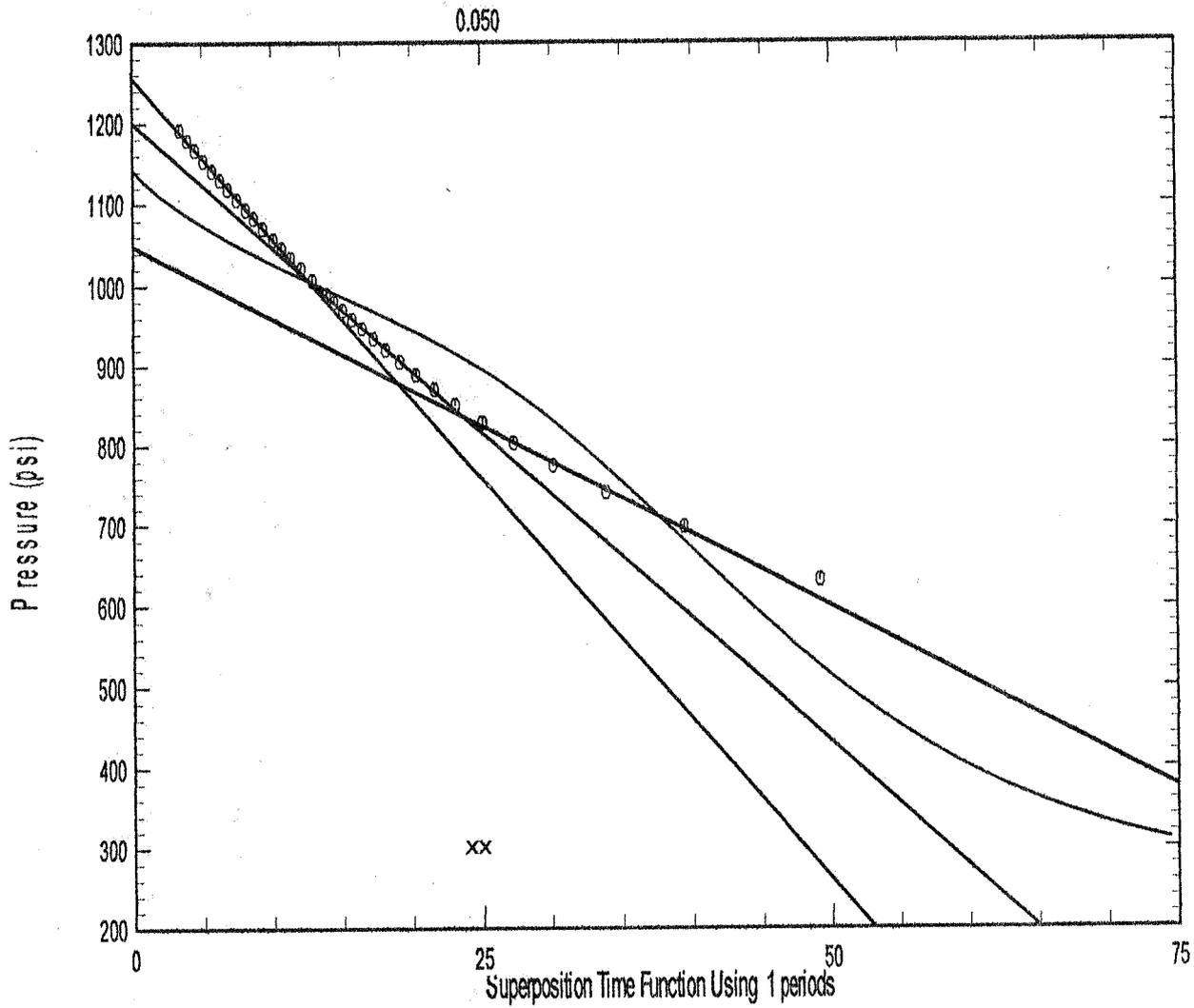
SUPERPOSITION ANALYSIS

(316) 792-6902

1ST SHUT-IN

State KANSAS
 County STAFFORD
 Field

Test Date 11/5/2004
 Sec Town Range 28-21S-13W
 Report Number 12252



MODEL RESULTS

Constant Storage	Skin Model	Homogeneous	No Boundaries
C1 : 1.440E-4 bbl/psi	Skin : 0.81	k : 2.770 md	h : 8 ft
		Est Pi: 1143.5 psi	mu : 0.720 cp
			phi : 18.0%
			ct : 4.422E-04 1/psi
			rw : 3.208 ft
			FVF : 4.53

Field :
County or Parish :
State :

Date Printed: 11/05/04 23:04:37
Analysis Period : 1ST SHUT-IN
Comment : Line # /

Superposition Slope -> m'	-19.925360
Horner Slope -> m	-685.432309
Intercept	1256.635
P(dt=1 hr)	1198.272
Pwf	247.130
R Sqr	0.9986
k (md)	3.32764
kh (md-ft)	26.62114
k/u (md/cp)	4.62494
kh/uB (md-ft/cp)	8.16046
Skin	0.994
DP Skin	592.679
Total DP	1009.505
Percent DP	58.71%
Radius Invest (ft)	8
Radius Time (hrs)	0.98
Delta Q =	34
h (ft)=	8
mu =	0.720
B =	4.534
First Point #	20
Second Point #	105
Start Real Time	0.158
End Real Time	0.867
Start SF Time	12.876

Field :
County or Parish :
State :

Date Printed: 11/05/04 23:05:02
Analysis Period : 1ST SHUT-IN
Comment : Line # 2

Superposition Slope -> m'	-15.392490
Horner Slope -> m	-529.501538
Intercept	1200.727
P(dt=1 hr)	1155.641
Pwf	247.130
R Sqr	0.9987
k (md)	4.30759
kh (md-ft)	34.46070
k/u (md/cp)	5.98692
kh/uB (md-ft/cp)	10.56360
Skin	1.243
DP Skin	572.397
Total DP	953.597
Percent DP	60.03%
Radius Invest (ft)	9
Radius Time (hrs)	0.98
Delta Q =	34
h (ft)=	8
mu =	0.720
B =	4.534
First Point #	8
Second Point #	18
Start Real Time	0.058
End Real Time	0.142
Start SF Time	23.152

Field :
County or Parish :
State :

Date Printed: 11/05/04 23:05:36
Analysis Period : 1ST SHUT-IN
Comment : Line # 3

Superposition Slope -> m'	-8.987767
Horner Slope -> m	-309.179192
Intercept	1049.020
P(dt=1 hr)	1022.694
Pwf	247.130
R Sqr	0.9948
k (md)	7.37719
kh (md-ft)	59.01753
k/u (md/cp)	10.25322
kh/uB (md-ft/cp)	18.09126
Skin	1.886
DP Skin	507.300
Total DP	801.890
Percent DP	63.26%
Radius Invest (ft)	11
Radius Time (hrs)	0.98
Delta Q =	34
h (ft)=	8
mu =	0.720
B =	4.534
First Point #	2
Second Point #	7
Start Real Time	0.008
End Real Time	0.050
Start SF Time	49.154

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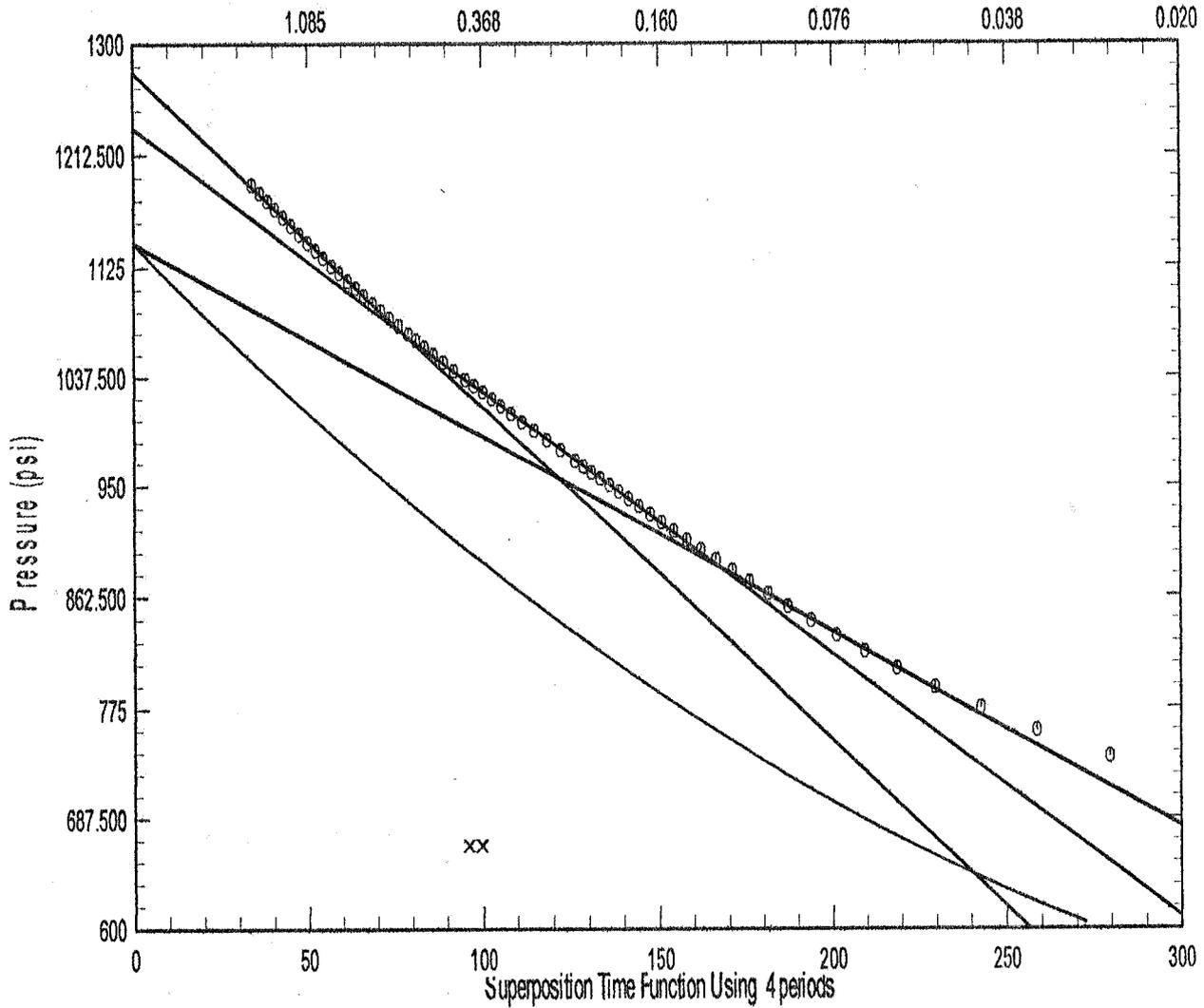
SUPERPOSITION ANALYSIS

(316) 792-6902

2ND SHUT-IN

State KANSAS
 County STAFFORD
 Field

Test Date 11/5/2004
 Sec Town Range 28-21S-13W
 Report Number 12252



MODEL RESULTS

Constant Storage	Skin Model	Homogeneous	No Boundaries	h : 8 ft
C1 : 0.002 bbl/psi	Skin : -0.13	k : 22.375 md		mu : 0.720 cp
		Est Pi: 1144.1 psi		phi : 18.0%
				ct : 4.422E-04 1/psi
				rw : 3.208 ft
				FVF : 4.53

Field :
County or Parish :
State :

Date Printed: 11/05/04 23:09:50
Analysis Period : 2ND SHUT-IN
Comment : Line # 7

Superposition Slope -> m'	-2.639301
Horner Slope -> m	-453.959701
Intercept	1277.250
P(dt=1 hr)	1137.027
Pwf	473.570
R Sqr	0.9991
k (md)	25.12199
kh (md-ft)	200.97591
k/u (md/cp)	34.91590
kh/uB (md-ft/cp)	61.60723
Skin	0.068
DP Skin	27.009
Total DP	803.680
Percent DP	3.36%
Radius Invest (ft)	30
Radius Time (hrs)	1.96
Delta Q =	172
h (ft)=	8
mu =	0.720
B =	4.534
First Point #	68
Second Point #	214
Start Real Time	0.567
End Real Time	1.783
Start SF Time	77.572

Field :
County or Parish :
State :

Date Printed: 11/05/04 23:10:20
Analysis Period : 2ND SHUT-IN
Comment : Line #

Superposition Slope -> m'	-2.081076
Horner Slope -> m	-357.945015
Intercept	1233.759
P(dt=1 hr)	1123.193
Pwf	473.570
R Sqr	0.9996
k (md)	31.86068
kh (md-ft)	254.88541
k/u (md/cp)	44.28169
kh/uB (md-ft/cp)	78.13267
Skin	0.356
DP Skin	110.970
Total DP	760.189
Percent DP	14.60%
Radius Invest (ft)	34
Radius Time (hrs)	1.96
Delta Q =	172
h (ft)=	8
mu =	0.720
B =	4.534
First Point #	15
Second Point #	59
Start Real Time	0.125
End Real Time	0.492
Start SF Time	166.141

Field :
County or Parish :
State :

Date Printed: 11/05/04 23:11:43
Analysis Period : 2ND SHUT-IN
Comment : Line # 3

Superposition Slope -> m'	-1.544423
Horner Slope -> m	-265.640692
Intercept	1143.984
P(dt=1 hr)	1061.931
Pwf	473.570
R Sqr	0.9980
k (md)	42.93156
kh (md-ft)	343.45251
k/u (md/cp)	59.66861
kh/uB (md-ft/cp)	105.28206
Skin	0.668
DP Skin	154.304
Total DP	670.414
Percent DP	23.02%
Radius Invest (ft)	39
Radius Time (hrs)	1.96
Delta Q =	172
h (ft)=	8
mu =	0.720
B =	4.534
First Point #	5
Second Point #	13
Start Real Time	0.042
End Real Time	0.108
Start SF Time	242.592