

F.G. Hall Co.

Kirkman Trust 1-4

4-215-14w

15-185-23181

CONFIDENTIAL Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 02-23-2003 Location W 1/2 N 1/2 W 4-21-14 Elevation 1924 KB County StaffordCompany F.G. Hall Company LLC Number of Copies 5Charts Mailed to 6431 East Central Wichita Kansas 67278-0167Drilling Contractor Starline Drilling Rig #4Length Drill Pipe 1491 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 NoneLength Drill Collars 2409 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 1 1/2"Top Packer Depth 1756 Bottom Packer Depth 1761 Number of Packers _____ Packer Size _____TESTED FROM 1706 TO 1811 ANCHOR LENGTH 50 TOTAL DEPTH 1761 Hole-Size 2 7/8"LEASE & WELL NO. Kirkman Trust #1-4 FORMATION TESTED Heerwader-Kuler TEST NO. 1Mud Weight 8.8 Viscosity 44 Water Loss 8.4 Chlorides - Pits 16000 D.S.T. _____Maximum Temp. 89 °F Initial Hydrostatic Pressure (A) 939 P.S.I. Final Hydrostatic Pressure (H) 902 P.S.I.Tool Open I.F.P. from 8:00 A.m. to 8:30 A.m. 30 minTool Closed I.C.I.P. from 8:30 A.m. to 9:00 A.m. 60 minTool Open F.F.P. from 9:00 A.m. to 11:00 A.m. 120 minTool Closed F.C.I.P. from 11:00 A.m. to 12:30 A.m. 90 minInitial Blow Fair blow built to 8 inches into the water & stayed steadyFinal Blow Fair blow built to the bottom of a 5 Gallon bucket in 20 minTotal Feet Recovered 70 Gravity of Oil _____ Corrected _____70 Feet of Drilling Mud no show of 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 _____

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

Remarks _____

Extra Equipment - Jars yes Safety Joint yes Extra Packer none Straddle none Hook Wall noneTop Recorder No. 78225 Clock No. Electronic Depth 1754 Cir. Sub none Sampler noneBottom Recorder No. 11088 Clock No. 12442 Depth 1758 Insurance none

Price of Job _____

Tool Operator Don Budy

Approved By _____

Nº 14095

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.

CONFIDENTIAL

SUPERIOR TESTERS ENTERPRISES INC.

ORIGINAL

Great Bend, Kansas

CHART DATA

(316) 792-6902

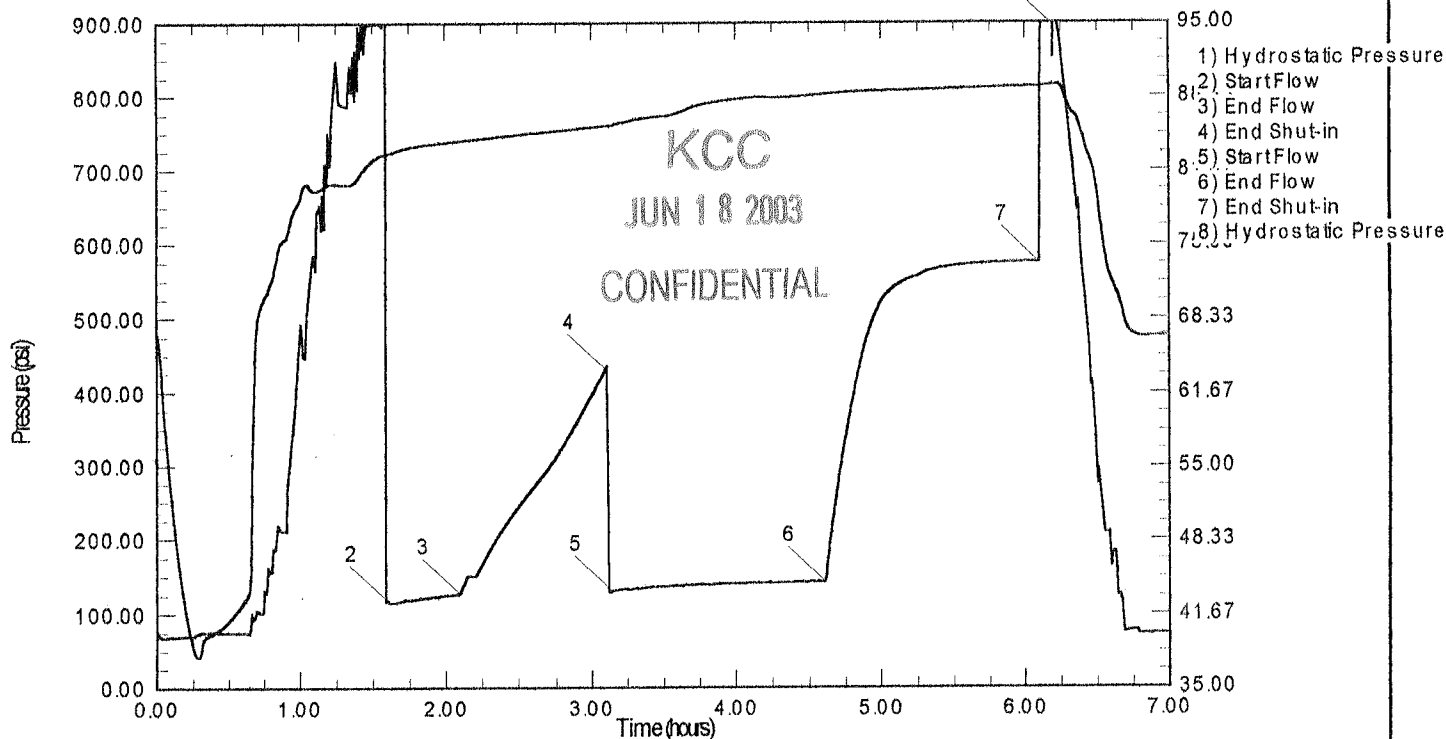
RECEIVED

State KANSAS
County STAFFORD
Field

JUN 23 2003

KCC WICHITA

Test Date February 23, 2003
Sec Town Range 4-21S-14W
Report Number 14095



Field Reading

(1)	Initial Hydrostatic Pressure	939
(2)	Initial Flow Pressure	120
(3)	Final Initial Flow Pressure	128
(4)	Initial Shut-In Pressure	432
(5)	Initial Final Flow Pressure	131
(6)	Final Flow Pressure	143
(7)	Final Shut-In Pressure	576
(8)	Final Hydrostatic Pressure	902

ELECTRONIC RECORDER DEPTH 1754 FT, RECORDER NUMBER 78225

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. KIRKMAN TRUST #1-4 Test #: 1 Date: 02-23-2003 SEC. 4 TWP. 21S RGE. 14W

SUPERIOR TESTERS ENTERPRISES INC.**DRILL STEM TEST REPORT**

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	KIRKMAN TRUST #1-4
TEST DATE	2/23/03	FORMATION TESTED	HERRINGTON-KRIDER
SECTION-TOWN-RANGE	4-21S-14W	DRILL STEM TEST NUMBER	1
STATE	KANSAS	REPORT NUMBER	14095
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1924
ELEVATION GROUND LEVEL	1915	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REE		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	1761	TOP PACKER DEPTH	1756
TEST INTERVAL (to)	1811	BOTTOM PACKER DEPTH	1761
ANCHOR LENGTH	50	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	1811	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**FAIR BLOW BUILT TO 8 INCHES INTO THE WATER AND STAYED STEADY****FINAL BLOW****FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 20 MINUTES AND STAYED STEADY****EXTRA EQUIPMENT**

JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING RIG #4**

DRILL PIPE LENGTH **1491**

DRILL PIPE I.D. **3.8**

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

DRILL COLLAR LENGTH **249**

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 **44**

WATER LOSS **8**

CHLORIDES-PITS **16000**

CHLORIDES-DST

FEET OF RECOVERY		RECOVERY DECIPTION	% GAS	% OIL	% MUD	% WATER
1)	70	DRILLING MUD NO SHOWS OF GAS				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						
		TOTAL RECOVERY				

COMMENTS

CONFIDENTIAL

KCC

JUN 18 2003

ORIGINAL

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 02-23-2003 Location W_{1/2}-W_{1/2}-W_{1/2} 4-21^S-14W Elevation 1915GL County StaffordCompany F.C. Hill Company L.L.C. Number of Copies 2Charts Mailed to 6431 East Central P.O. Box 780167 Wichita Kansas 67278-0167Drilling Contractor Sterling Drilling Rig #4Length Drill Pipe 1546 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 NONELength Drill Collars 249 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 1 1/2"Top Packer Depth 1811 Bottom Packer Depth 1816 Number of Packers 2 Packer Size 6 3/4"TESTED FROM 1816 TO 1851 ANCHOR LENGTH 35 TOTAL DEPTH 1851 Hole Size 7 7/8"LEASE & WELL NO. Kirkman Trust #1-4 FORMATION TESTED Winfield TEST NO. 2Mud Weight 8.81 Viscosity 44 Water Loss 8.9 Chlorides - Pits 16000 D.S.T.Maximum Temp. 88 °F Initial Hydrostatic Pressure (A) 937 P.S.I. Final Hydrostatic Pressure (H) 934 P.S.I.Tool Open I.F.P. from 9:15 a.m. to 9:45 p.m. 30 minTool Closed I.C.I.P. from 9:45 m to 10:45 m 60 minTool Open F.F.P. from 10:45 m to 12:15 m 90 minTool Closed F.C.I.P. from 12:15 m to 10:45 m 90 minInitial Blow WEAK building blow built to the bottom of 15 gallon bucket in 17 minutesFinal Blow fair blow - Bottom of the bucket in 1 min - Gas in 75 minutesTotal Feet Recovered 125 Gas was too small to measure Gravity of Oil _____ Corrected125 Feet of Cassy 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 YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONETop Recorder No. 78225 Clock No. Electronic Depth 1844 Cir. Sub NONE Sampler NONEBottom Recorder No. 11088 Clock No. 12047442 Depth 1848 Insurance NONE

Price of Job _____

Tool Operator Gene Budy

Approved By _____

NO 14096

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CONFIDENTIAL

SUPERIOR TESTERS ENTERPRISES INC.

ORIGINAL

Great Bend, Kansas

CHART DATA

(316) 792-6902

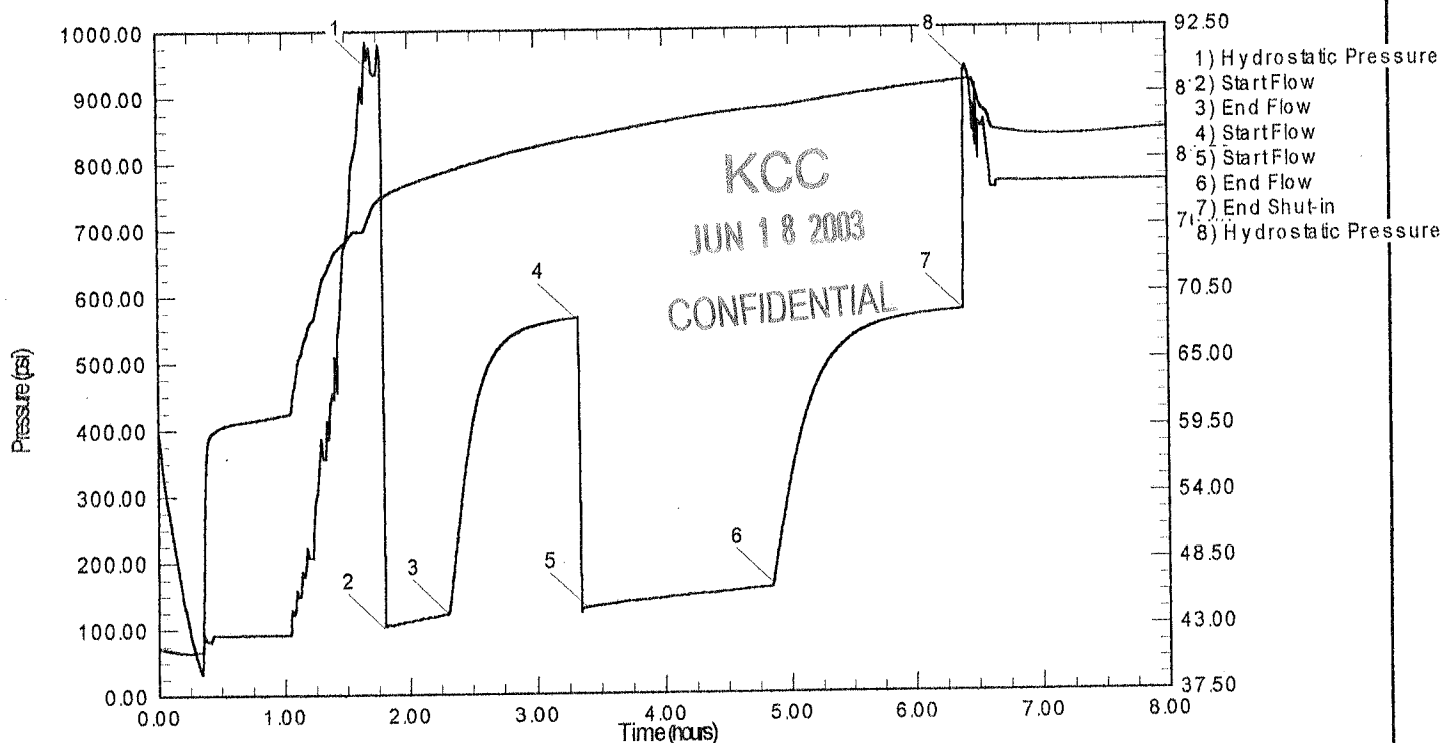
State KANSAS
County STAFFORD
Field

Test Date February 23, 2003
Sec Town Range 4-21S-14W
Report Number 14096

RECEIVED

JUN 23 2003

KCC WICHITA



Field Reading

(1)	Initial Hydrostatic Pressure	937
(2)	Initial Flow Pressure	102
(3)	Final Initial Flow Pressure	122
(4)	Initial Shut-In Pressure	565
(5)	Initial Final Flow Pressure	131
(6)	Final Flow Pressure	164
(7)	Final Shut-In Pressure	573
(8)	Final Hydrostatic Pressure	934

ELECTRONIC RECORDER DEPTH 1844 FT, RECORDER NUMBER 78225

TWP. 21S RGE. 14W

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. KIRKMAN TRUST #1-4 Test #: 2 Date: 02-23-2003 SEC. 4

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	KIRKMAN TRUST #1-4
TEST DATE	2/23/03	FORMATION TESTED	WINFIELD
SECTION-TOWN-RANGE	4-21S-14W	DRILL STEM TEST NUMBER	2
STATE	KANSAS	REPORT NUMBER	14096
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1924
ELEVATION GROUND LEVEL	1915	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REE		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	1816	TOP PACKER DEPTH	1811
TEST INTERVAL (to)	1851	BOTTOM PACKER DEPTH	1816
ANCHOR LENGTH	35	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	1851	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 THE BOTTOM OF A 5 GALLON BUCKET IN 17 MINUTES

FINAL BLOW

FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 1 MINUTE WITH GAS TO SURFACE IN 75 MINUTES GAS WAS TOO SMALL TO MEASURE

EXTRA EQUIPMENT

JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING RIG #4**

DRILL PIPE LENGTH **1546**

DRILL PIPE I.D. **3.8**

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

DRILL COLLAR LENGTH **249**

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 **44**

WATER LOSS **8**

CHLORIDES-PITS **1600**

CHLORIDES-DST

FEET OF RECOVERY		RECOVERY DECRPTION	% GAS	% OIL	% MUD	% WATER
1)	125	GASSY MUD				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						
		TOTAL RECOVERY				

COMMENTS

CONFIDENTIAL

KCC

ORIGINAL

JUN 18 2003

CONFIDENTIAL

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 02-24-2003 Location W 1/2 N 1/4 4-25-14W Elevation 1924 KB County StaffordCompany F.C. Hall Company L.P. Number of Copies 5Charts Mailed to 6431 East Central P.O. Box 780167 Wichita, Kansas 67278-0167Drilling Contractor Sterling Drilling Rig #4Length Drill Pipe 1610 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 11Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONELength Drill Collars 249 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 11Top Packer Depth 1867 Bottom Packer Depth 1872 Number of Packers 0 Packer Size 6 3/4"TESTED FROM 1872 TO 1915 ANCHOR LENGTH 43 TOTAL DEPTH 1915 Hole Size 7 7/8"LEASE & WELL NO. Kirkman Trust #1-4 FORMATION TESTED TOWANDA TEST NO. 3Mud Weight 8.8 Viscosity 40 Water Loss 6.9 Chlorides - Pits 9000 D.S.T.Maximum Temp. 89 °F Initial Hydrostatic Pressure (A) 974 P.S.I. Final Hydrostatic Pressure (H) 969 P.S.I.Tool Open I.F.P. from 6:45 pm to 7:00 pm 15 minTool Closed I.C.I.P. from 7:00 pm to 7:30 pm 30 minTool Open F.F.P. from 7:30 pm to 7:45 pm 15 minTool Closed F.C.I.P. from 7:45 pm to 8:15 pm 30 minInitial Blow WEAK blow for 13 minutes & DIEDFinal Blow WEAK blow for 11 minutes & DIEDTotal Feet Recovered 150 Gravity of Oil _____ Corrected150 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 _____

Remarks _____

Extra Equipment - Jars YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONETop Recorder No. 78225 Clock No. Electron Depth 1908 Cir. Sub NONE Sampler NONEBottom Recorder No. 11088 Clock No. 47441 Depth 1912 Insurance NONE

Price of Job _____

Tool Operator Gene BudzApproved By NO 1A097

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SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CONFIDENTIAL

CHART DATA

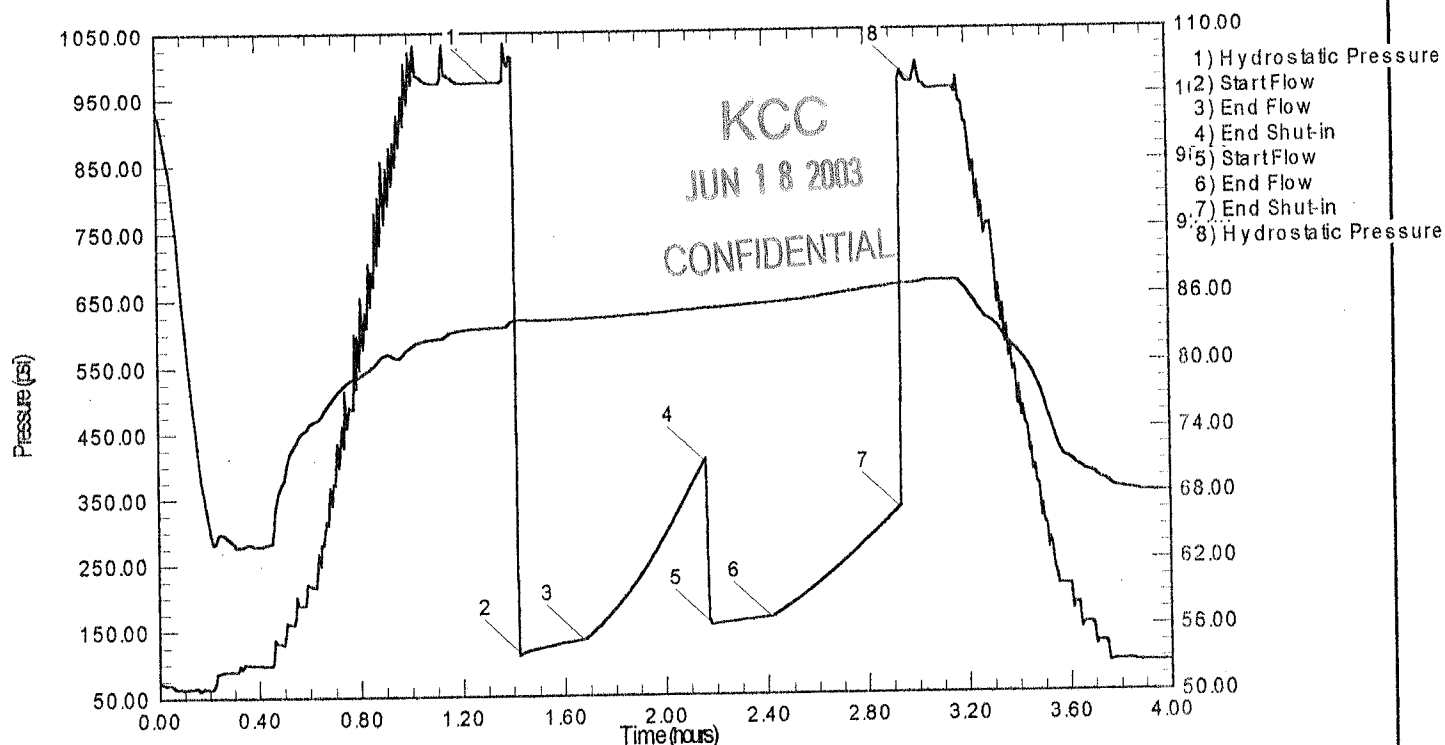
ORIGINAL
(316) 792-0902

State KANSAS
County STAFFORD
Field

Test Date February 24, 2003
Sec Town Range 4-21S-14W
Report Number 14097

JUN 23 2003

KCC WICHITA



Field Reading

(1)	Initial Hydrostatic Pressure	974
(2)	Initial Flow Pressure	113
(3)	Final Initial Flow Pressure	135
(4)	Initial Shut-In Pressure	403
(5)	Initial Final Flow Pressure	156
(6)	Final Flow Pressure	166
(7)	Final Shut-In Pressure	329
(8)	Final Hydrostatic Pressure	969

ELECTRONIC RECORDER DEPTH 1908 FT, RECORDER NUMBER 78225

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. KIRKMAN TRUST #1-4 Test #: 3 Date: 02-24-2003 SEC. 4
TWP. 21S RGE. 14W

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	KIRKMAN TRUST #1-4
TEST DATE	2/24/03	FORMATION TESTED	TOWANDA
SECTION-TOWN-RANGE	4-21S-14W	DRILL STEM TEST NUMBER	3
STATE	KANSAS	REPORT NUMBER	14097
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1924
ELEVATION GROUND LEVEL	1915	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REE		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	1872	TOP PACKER DEPTH	1867
TEST INTERVAL (to)	1915	BOTTOM PACKER DEPTH	1872
ANCHOR LENGTH	43	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	1915	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

<i>INITIAL OPEN</i>	
TOOL OPEN (from)	6:45
TOOL OPEN (to)	7:00
DURATION (min.)	15
<i>INITIAL SHUT-IN</i>	
TOOL CLOSED (from)	7:00
TOOL CLOSED (to)	7:30
DURATION (min.)	30
<i>FINAL OPEN</i>	
TOOL OPEN (from)	7:30
TOOL OPEN (to)	7:45
DURATION (min.)	15
<i>FINAL SHUT-IN</i>	
TOOL CLOSED (from)	7:45
TOOL CLOSED (to)	8:15
DURATION (min.)	30

PRESSURE READINGS

INITIAL HYDROSTATIC	974
INITIAL FLOW	113
FINAL INITIAL FLOW	135
INITIAL SHUT-IN	403
INITIAL FINAL FLOW	156
FINAL FLOW	166
FINAL SHUT-IN	329
FINAL HYDROSTATIC	969
MAXIMUM TEMPERATURE	89
TOP RECORDER DEPTH	1908
RECORDER NUMBER	78225
BOTTOM RECORDER DEPTH	1912
RECORDER NUMBER	11088

INITIAL BLOW

WEAK BLOW FOR 13 MINUTES AND DIED

FINAL BLOW

WEAK BLOW FOR 11 MINUTES AND DIED

EXTRA EQUIPMENT

JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING RIG #4**

DRILL PIPE LENGTH **1610**

DRILL PIPE I.D. **3.8**

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

DRILL COLLAR LENGTH **249**

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 **40**

WATER LOSS **6**

CHLORIDES-PITS **9000**

CHLORIDES-DST

FEET OF RECOVERY		RECOVERY DECIPTION	% GAS	% OIL	% MUD	% WATER
1)	150	DRILLING MUD				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						

TOTAL RECOVERY

COMMENTS

CONFIDENTIAL

KCC

JUN 18 2003

ORIGINAL

CONFIDENTIAL

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 2-25-2003 Location W 1/2 NW 1/4 4-21-14W Elevation 1924 KB County StaffordCompany F.C. Hall Company L.L.C. Number of Copies 5Charts Mailed to 6431 East Kellow P.O. Box 780167 Wichita Kansas 67228-0167Drilling Contractor Sterling Drilling Rig #4Length Drill Pipe 1744 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X HLength Weight Pipe None I.D. Weight Pipe None Tool Joint Size NoneLength Drill Collars 249 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X HTop Packer Depth 1987 Bottom Packer Depth 1992 Number of Packers 2 Packer Size 6 1/4"TESTED FROM 1992 TO 2022 ANCHOR LENGTH 30 TOTAL DEPTH 2022 Hole Size 7 7/8"EASE & WELL NO. Kirkman Trust #1-4 FORMATION TESTED Flomace TEST NO. 4Fluid Weight 9.1 Viscosity 43 Water Loss 8.4 Chlorides - Pits 40000 D.S.T. 108000Maximum Temp. 94 °F Initial Hydrostatic Pressure (A) 1100 P.S.I. Final Hydrostatic Pressure (H) 1036 P.S.I.Tool Open I.F.P. from 10:15 A.M. to 10:45 A.M. 30 minTool Closed I.C.I.P. from 10:45 A.M. to 11:45 A.M. 60 minTool Open F.F.P. from 11:45 A.M. to 12:15 P.M. 30 minTool Closed F.C.I.P. from 12:15 P.M. to 1:15 P.M. 60 minInitial Blow WEAK blow built to the bottom of a 5 Gallon bucket in 3 minutesFinal Blow WEAK blow built to the bottom of a 5 Gallon bucket in 5 minutesTotal Feet Recovered 330 Gravity of Oil _____ Corrected330 Feet of SLIGHTLY muddy salt water CHLORIDES % Gas _____ % Oil _____ % Mud _____ % Water_____ Feet of 108000 % 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 YES Safety Joint YES Extra Packer None Straddle None Hook Wall NoneTop Recorder No. 78225 Clock No. 4204 Depth 2017 Cir. Sub None Sampler NoneBottom Recorder No. 11098 Clock No. 4142 Depth 2021 Insurance None

Price of Job _____

Tool Operator Don Budy

Approved By _____

NO 1100R

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.

CONFIDENTIAL

SUPERIOR TESTERS ENTERPRISES INC. ORIGINAL

Great Bend, Kansas

CHART DATA

(316) 792-6902

State KANSAS
County STAFFORD
Field

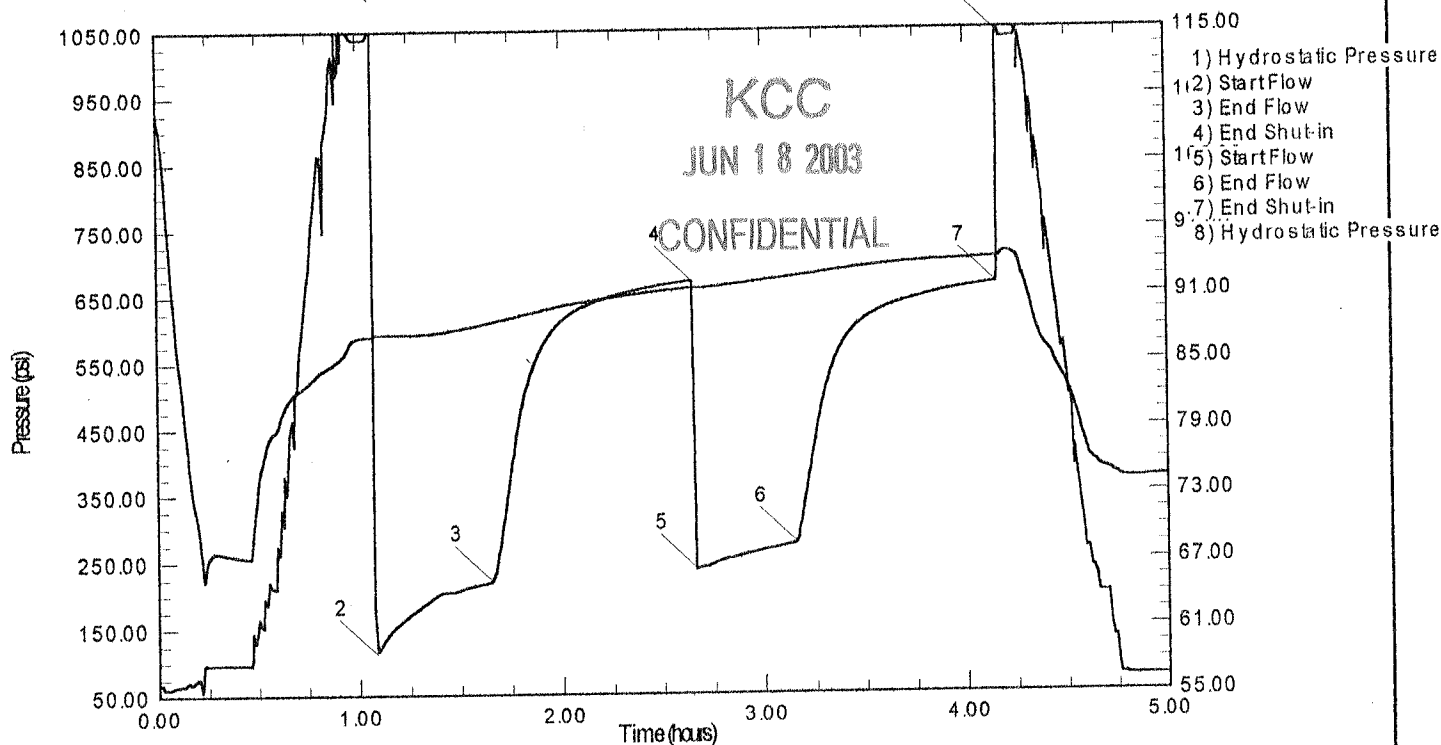
Test Date February 25, 2003

Sec Town Range 4-21S-14W

RECEIVED Report Number 14098

JUN 23 2003

KCC WICHITA



Field Reading

(1)	Initial Hydrostatic Pressure	1100
(2)	Initial Flow Pressure	113
(3)	Final Initial Flow Pressure	222
(4)	Initial Shut-In Pressure	671
(5)	Initial Final Flow Pressure	237
(6)	Final Flow Pressure	275
(7)	Final Shut-In Pressure	665
(8)	Final Hydrostatic Pressure	1036

ELECTRONIC RECORDER DEPTH 2015 FT, RECORDER NUMBER 78225

TWP. 21S RGE. 14W

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. KIRKMAN TRUST #1-4 Test #: 4 Date: 02-25-2003 SEC. 4

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	KIRKMAN TRUST #1-4
TEST DATE	2/25/03	FORMATION TESTED	FLORENCE
SECTION-TOWN-RANGE	4-21S-14W	DRILL STEM TEST NUMBER	4
STATE	KANSAS	REPORT NUMBER	14098
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1924
ELEVATION GROUND LEVEL	1915	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REE		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	1992	TOP PACKER DEPTH	1987
TEST INTERVAL (to)	2022	BOTTOM PACKER DEPTH	1992
ANCHOR LENGTH	30	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	2022	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)	10:15
TOOL OPEN (to)	10:45
DURATION (min.)	30

INITIAL SHUT-IN

TOOL CLOSED (from)	10:45
TOOL CLOSED (to)	11:45
DURATION (min.)	60

FINAL OPEN

TOOL OPEN (from)	11:45
TOOL OPEN (to)	12:15
DURATION (min.)	30

FINAL SHUT-IN

TOOL CLOSED (from)	12:15
TOOL CLOSED (to)	1:15
DURATION (min.)	60

PRESSURE READINGS

INITIAL HYDROSTATIC	1100
INITIAL FLOW	113
FINAL INITIAL FLOW	222
INITIAL SHUT-IN	671
INITIAL FINAL FLOW	237
FINAL FLOW	275
FINAL SHUT-IN	665
FINAL HYDROSTATIC	1036
MAXIMUM TEMPERATURE	94
TOP RECORDER DEPTH	2015
RECORDER NUMBER	78225
BOTTOM RECORDER DEPTH	2019
RECORDER NUMBER	5463

INITIAL BLOW

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

FINAL BLOW

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

EXTRA EQUIPMENT

JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING RIG #4**

DRILL PIPE LENGTH **1744**

DRILL PIPE I.D. **3.8**

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

DRILL COLLAR LENGTH **249**

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 **9.1**

VISCOSITY **43**

WATER LOSS **8.4**

CHLORIDES-PITS **40000**

CHLORIDES-DST **108000**

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	330	SLIGHTLY MUDDY SALT WATER CHLORIDES 108000				
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						
		TOTAL RECOVERY				

COMMENTS

CONFIDENTIAL

KCC

JUN 18 2003

ORIGINAL

CONFIDENTIAL

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 6-26-2003 Location W 1/2 - NW 1/4 - 425-14N Elevation 1924KB 19156L County ShelfordCompany F.C. Hall Company L.L.C. Number of Copies 5Parts Mailed to 6431 East Central P.O. Box 780167 Wichita, Kansas 67278-0167Drilling Contractor Sterling Drilling Rig #4Length Drill Pipe 2045 I.D. Drill Pipe 4 1/2" X .H Tool Joint Size 3.80Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONELength Drill Collars 249 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X .HTop Packer Depth 2310 Bottom Packer Depth 2315 Number of Packers 2 Packer Size 6 3/4"TESTED FROM 2315 TO 2355 ANCHOR LENGTH 40 TOTAL DEPTH 2355 Hole Size 7 7/8"LEASE & WELL NO. Kirkman Trust #1-4 FORMATION TESTED RED EAGLE TEST NO. 5Mud Weight 9.4 Viscosity 43 Water Loss 12.9 Chlorides - Pits 45000 D.S.T. 86000Maximum Temp. 100 °F Initial Hydrostatic Pressure (A) 1236 P.S.I. Final Hydrostatic Pressure (H) 1180 P.S.I.Tool Open I.F.P. from 11:15 A to 11:45 A 30 minTool Closed I.C.I.P. from 11:45 A to 12:45 P 60 minTool Open F.F.P. from 12:45 P to 1:45 P 60 minTool Closed F.C.I.P. from 1:45 P to 3:15 P 90 minInitial Blow Straws blow - Gas to Surface in 2 minutesFinal Blow Straws blow - SEE Gas Flow ReportTotal Feet Recovered 125 Gravity of Oil _____ Corrected85 Feet of Gassy mud % Gas _____ % Oil _____ % Mud _____ % Water _____40 Feet of Gassy muddy water Chlorides 86000 % 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 YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONETop Recorder No. 78225 Clock No. Electronic Depth 2348 Cir. Sub NONE Sampler NONEBottom Recorder No. 11088 Clock No. 42441 Depth 2352 Insurance NONE

Price of Job _____

Tool Operator Sam BelsApproved By NO 11000

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.

CONFIDENTIAL

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

ORIGINAL

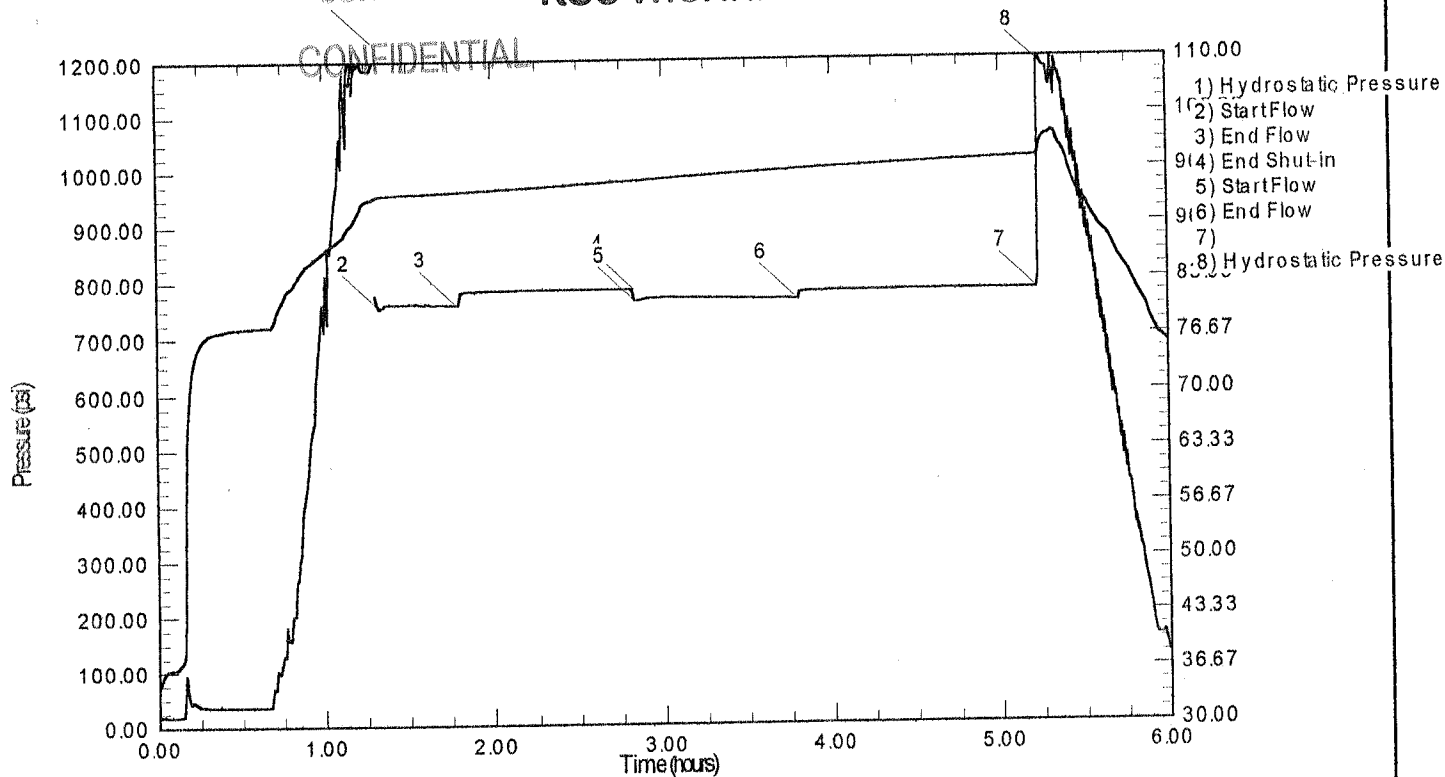
(316) 792-6902

State KANSAS
County STAFFORD
Field

Test Date February 26, 2003
Sec Town Range 4-21S-14W
Report Number 14099

RECEIVED

KCC JUN 23 2003
JUN 18 2003 KCC WICHITA



Field Reading

(1)	Initial Hydrostatic Pressure	1236
(2)	Initial Flow Pressure	752
(3)	Final Initial Flow Pressure	757
(4)	Initial Shut-In Pressure	784
(5)	Initial Final Flow Pressure	762
(6)	Final Flow Pressure	765
(7)	Final Shut-In Pressure	780
(8)	Final Hydrostatic Pressure	1180

ELECTRONIC RECORDER DEPTH FT, RECORDER NUMBER 78225

Company: F.G.HOLL COMPANY L.L.C. Lease & Well No. KIRKMAN TRUST #1-4 Test #: 5 Date: 02-26-2003 SEC. 4
TWP. 21S RGE. 14W

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

GENERAL INFORMATION

COMPANY NAME	F.G.HOLL COMPANY L.L.C.	LEASE AND WELL NUMBER	KIRKMAN TRUST #1-4
TEST DATE	2/26/03	FORMATION TESTED	RED EAGLE
SECTION-TOWN-RANGE	4-21S-14W	DRILL STEM TEST NUMBER	5
STATE	KANSAS	REPORT NUMBER	14099
COUNTY	STAFFORD	ELEVATION KELLY BUSHINGS	1924
ELEVATION GROUND LEVEL	1915	TESTING ENGINEER	GENE BUDIG
COMPANY REPRESENTATIVE	BILL REE		

TOOL SETTING INFORMATION

TEST INTERVAL (From)	2315	TOP PACKER DEPTH	2310
TEST INTERVAL (to)	2355	BOTTOM PACKER DEPTH	2315
ANCHOR LENGTH	40	NUMBER OF PACKERS	2
TOTAL DEPTH (ft)	2355	PACKER SIZE	6 3/4
		HOLE SIZE	7 7/8

FLOW TIMES

INITIAL OPEN

TOOL OPEN (from)	11:15
TOOL OPEN (to)	11:45
DURATION (min.)	30

INITIAL SHUT-IN

TOOL CLOSED (from)	11:45
TOOL CLOSED (to)	12:45
DURATION (min.)	60

FINAL OPEN

TOOL OPEN (from)	12:45
TOOL OPEN (to)	1:45
DURATION (min.)	60

FINAL SHUT-IN

TOOL CLOSED (from)	1:45
TOOL CLOSED (to)	3:15
DURATION (min.)	0:00

PRESSURE READINGS

INITIAL HYDROSTATIC	1236
INITIAL FLOW	752
FINAL INITIAL FLOW	757
INITIAL SHUT-IN	784
INITIAL FINAL FLOW	762
FINAL FLOW	765
FINAL SHUT-IN	780
FINAL HYDROSTATIC	1180
MAXIMUM TEMPERATURE	100
TOP RECORDER DEPTH	
RECORDER NUMBER	78225
BOTTOM RECORDER DEPTH	
RECORDER NUMBER	5463

INITIAL BLOW

STRONG BLOW WITH GAS TO SURFACE IN 2 MINUTES

FINAL BLOW

STRONG BLOW-SEE GAS FLOW REPORT

EXTRA EQUIPMENT

JARS	YES	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	NO	HOOK WALL	NO
		SAMPLER	NO

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (316)792-6902

WELL INFORMATION

DRILLING CONTRACTOR **STERLING DRILLING RIG #4**

DRILL PIPE LENGTH **2045**

DRILL PIPE I.D. **3.8**

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

DRILL COLLAR LENGTH **249**

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 **9.4**

VISCOSITY **43**

WATER LOSS **12**

CHLORIDES-PITS **45000**

CHLORIDES-DST **86000**

FEET OF RECOVERY		RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1)	85	GASSY MUD				
2)	40	GASSY MUDDY WATER				
3)		Chlorides 86000				
4)						
5)						
6)						
7)						
8)						
9)						
10)						
11)						
12)						
13)						
14)						
15)						

TOTAL RECOVERY

COMMENTS

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

GAS FLOW RATE

(316) 792-6902

#

STATE..... KANSAS Test Date 2/26/03
COUNTY..... STAFFORD Sec Town Range 4-21S-14W
FIELD..... Report Number 14099

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	11:25	10				1 1/2	3036.000
AT 11:15	11:35	20				1 1/2	3095.000
WITH GAS TO SURFACE IN 2 MINUTES AT 11:17	11:45	30				1 1/2	3155.000

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	12:55	10		38		1 1/2	3036.000
12:45	1:05	20		37-39		1 1/2	3095.000
	1:15	30		37-39		1 1/2	3095.000
	1:25	40		37-39		1 1/2	3095.000
	1:35	50		37-39		1 1/2	3095.000
	1:45	60		37-39		1 1/2	3095.000

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

SUPERPOSITION ANALYSIS

(316) 792-6902

1ST SHUT-IN

State KANSAS

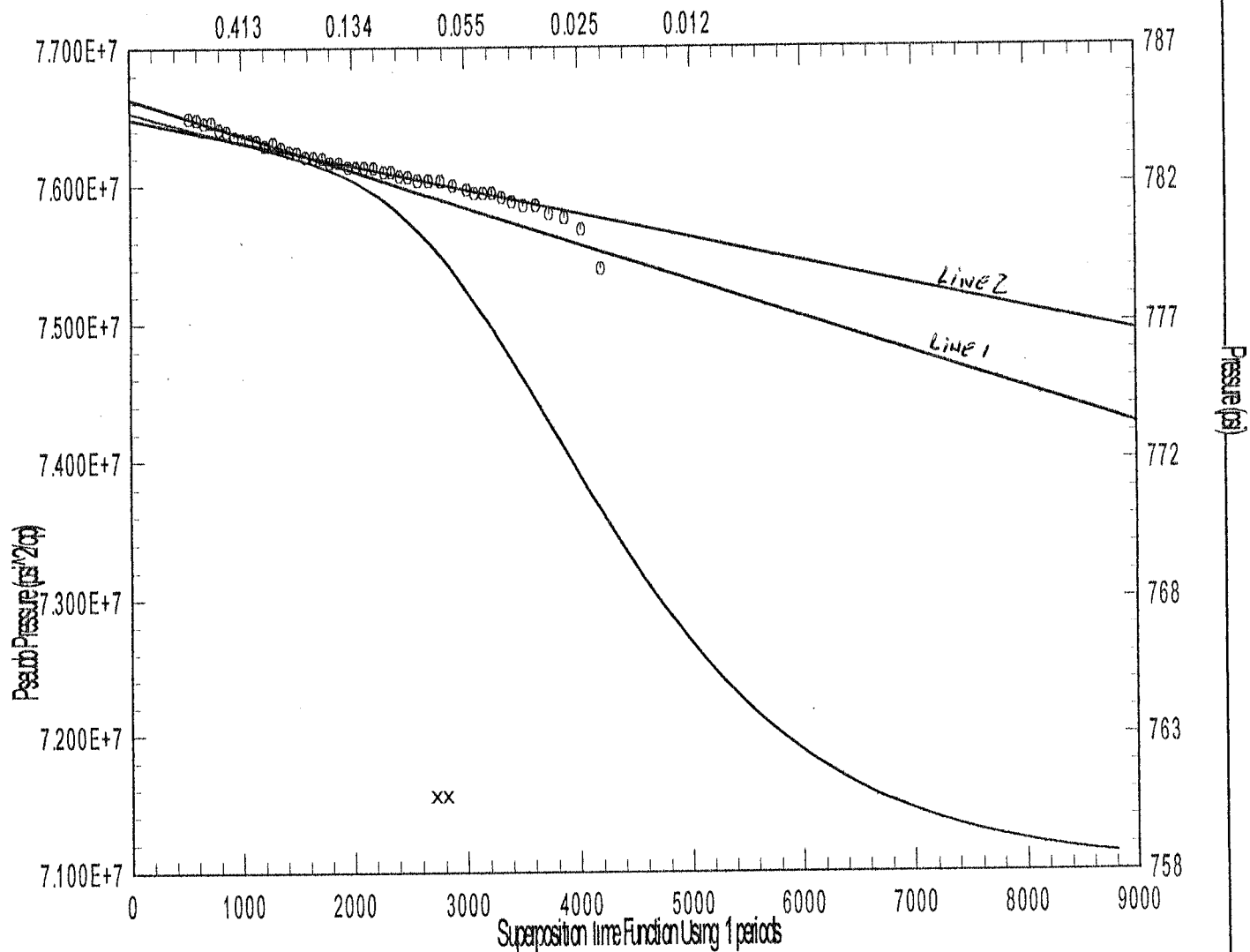
Test Date 2/26/03

County STAFFORD

Sec Town Range 4-21S-14W

Field

Report Number 14099



MODEL RESULTS

Constant Storage
C1 : 0.077 bbl/psi

Skin Model
Skin : 7.32

Homogeneous
k : 393.557 md
Est Pi: 784.5 psi

No Boundaries

h : 10 ft
mu : 0.052 cp
phi : 20.0%
ct : 5.532E-02 1/psi
rw : 3.208 ft
BHT : 100 F
FVF : 0.72

Field :
County or Parish :
State :

Date Printed: 02/27/03 04:03:04
Analysis Period : 1st shut-in
Comment : Line # /

Superposition Slope -> m' -263.349900
Horner Slope -> m -8.150680E+5
Intercept 7.663E+7
P(dt=1 hr) 7.650E+7
Pwf 7.102E+7
R Sqr 0.9757

Intercept (psi) 784.982
k (md) 348.09960
kh (md-ft) 3480.99600
k/u (md/cp) 6720.06932
kh/uB (md-ft/cp) 67200.69321
Skin 5.9658
DP Skin 20.5090
Total DP 27.1120
Percent DP 75.65%

Radius Invest (ft) 26
Radius Time (hrs) 1.04

Delta Q = 3095
h (ft)= 10
mu (cp) = 0.0518
B (stb/scf) = 0.7211

First Point # 49
Second Point # 295
Start Real Time 0.150
End Real Time 0.921
Start SF Time 1876.683

Field :
County or Parish :
State :

Date Printed: 02/27/03 04:06:49
Analysis Period : 1st shut-in
Comment : Line # 2

Superposition Slope -> m' -172.453400
Horner Slope -> m -5.337432E+5
Intercept 7.649E+7
P(dt=1 hr) 7.640E+7
Pwf 7.102E+7
R Sqr 0.9755

Intercept (psi) 784.308
k (md) 531.57558
kh (md-ft) 5315.75582
k/u (md/cp) 10262.07659
kh/uB (md-ft/cp) 102620.76585
Skin 9.6280
DP Skin 21.6589
Total DP 26.4379
Percent DP 81.92%

Radius Invest (ft) 32
Radius Time (hrs) 1.04

Delta Q = 3095
h (ft)= 10
mu (cp) = 0.0518
B (stb/scf) = 0.7211

First Point # 12
Second Point # 48
Start Real Time 0.039
End Real Time 0.147
Start SF Time 3415.143

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

SUPERPOSITION ANALYSIS

(316) 792-6902

2ND SHUT-IN

State KANSAS

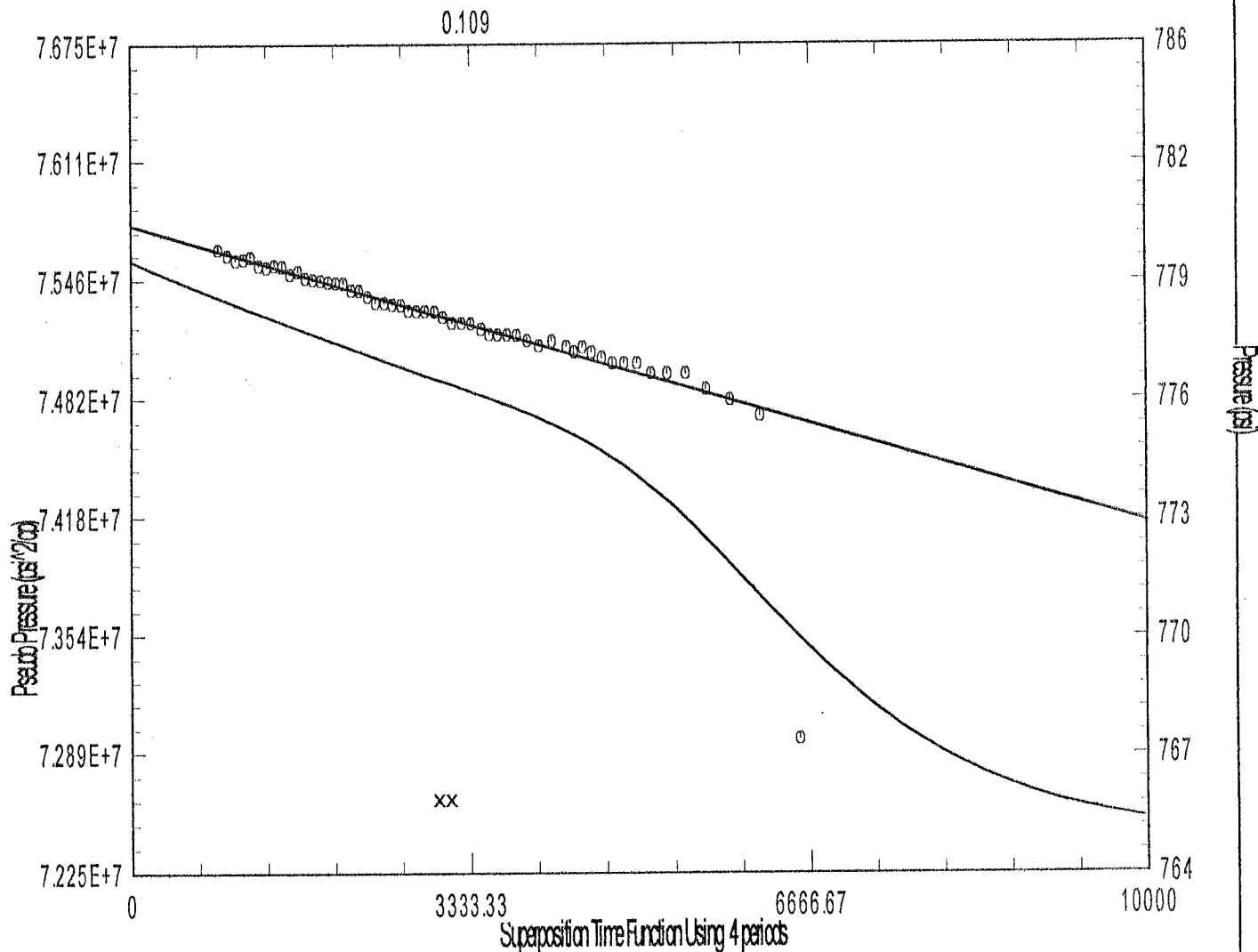
Test Date 2/26/03

County STAFFORD

Sec Town Range 4-21S-14W

Field

Report Number 14099



MODEL RESULTS

Constant Storage
C1 : 0.079 bbl/psi

Skin Model
Skin : 2.96

Homogeneous
k : 385.519 md
Est Pi: 779.9 psi

No Boundaries

h : 10 ft
mu : 0.052 cp
phi : 20.0%
ct : 5.532E-02 1/psi
rw : 3.208 ft
BHT : 100 F
FVF : 0.72

Field :
County or Parish :
State :

Date Printed: 02/27/03 04:12:23
Analysis Period : 2nd shut-in
Comment : Line #

Superposition Slope -> m' -160.814300
Horner Slope -> m -4.977204E+5
Intercept 7.576E+7
P(dt=1 hr) 7.559E+7
Pwf 7.243E+7
R Sqr 0.9870

Intercept (psi) 780.858
k (md) 570.04864
kh (md-ft) 5700.48644
k/u (md/cp) 11004.79977
kh/uB (md-ft/cp) 110047.99771
Skin 5.2864
DP Skin 11.0663
Total DP 16.0797
Percent DP 68.82%

Radius Invest (ft) 38
Radius Time (hrs) 1.42

Delta Q = 3095
h (ft)= 10
mu (cp) = 0.0518
B (stb/scf) = 0.7211

First Point # 16
Second Point # 299
Start Real Time 0.051
End Real Time 1.362
Start SF Time 4283.543