

Superior Testers Enterprises, Inc.

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

(316) 792-6902

215476

Date 4-22-1998 Location 9/4-9/5-9/6 18-12-17^W Elevation 21286L County ELLIS

Company Tom KAT LTD. Number of Copies 5

Charts Mailed to P.O. Box 1471 Great Bend Kansas 67530

Drilling Contractor Vonfeldt Drilling Inc.

Length Drill Pipe 3500 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H.

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

Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE

Top Packer Depth 3516 Bottom Packer Depth 3521 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3521 TO 3590 ANCHOR LENGTH 69 TOTAL DEPTH 3590 Hole Size 7 7/8"

LEASE & WELL NO. Schmeidler #5 #44 FORMATION TESTED Kansas City TEST NO. 2

Mud Weight 9.4 Viscosity 43 Water Loss 8% Chlorides - Pits 6000 D.S.T. _____

Maximum Temp. 100 °F Initial Hydrostatic Pressure (A) 1764 P.S.I. Final Hydrostatic Pressure (H) 1729 P.S.I.

Tool Open I.F.P. from 1:10 A.M. to 1:40 A.M. 30 min

from [B] 57 P.S.I. to [C] 58 P.S.I.

Tool Closed I.C.I.P. from 1:40 A.M. to 2:10 A.M. 30 min

[D] 104 P.S.I.

Tool Open F.F.P. from 2:10 A.M. to 2:30 A.M. 20 min

from [E] 58 P.S.I. to [F] 61 P.S.I.

Tool Closed F.C.I.P. from 0- m to 0- m 0- min

[G] NONE TAKEN P.S.I.

Initial Blow WEAK SURFACE BLOW FOR 27 MINUTES & DIED

Final Blow NO BLOW - FLUSHED TOOL - GOOD SURGE - NO HELP -

Total Feet Recovered 15 Gravity of Oil _____ Correc _____

15 Feet of VERY SLIGHTLY OIL CUT MUD % Gas _____ % Oil _____ % Mud _____ % Wa _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Wa _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Wa _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Wa _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Wa _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Wa _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Wa _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Wa _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Wa _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Wa _____

Remarks _____

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 78225 Clock No. ELECTRONIC Depth 3583 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13189 Clock No. 47441 Depth 3587 Insurance NONE

Price of Job _____

Tool Operator Dave Budy

Approved By _____

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to property or personnel of the one for whom a test is made, or for any loss suffered sustained, directly or indirectly, through the use of its equipment, or its statements opinion concerning the results of any test. Tools lost or damaged in the hole shall paid for at cost by the party for whom the test is made.

No 11614

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

(316) 792-6902

SCHMEIDLER "B" #4 KANSAS CITY

State KANSAS

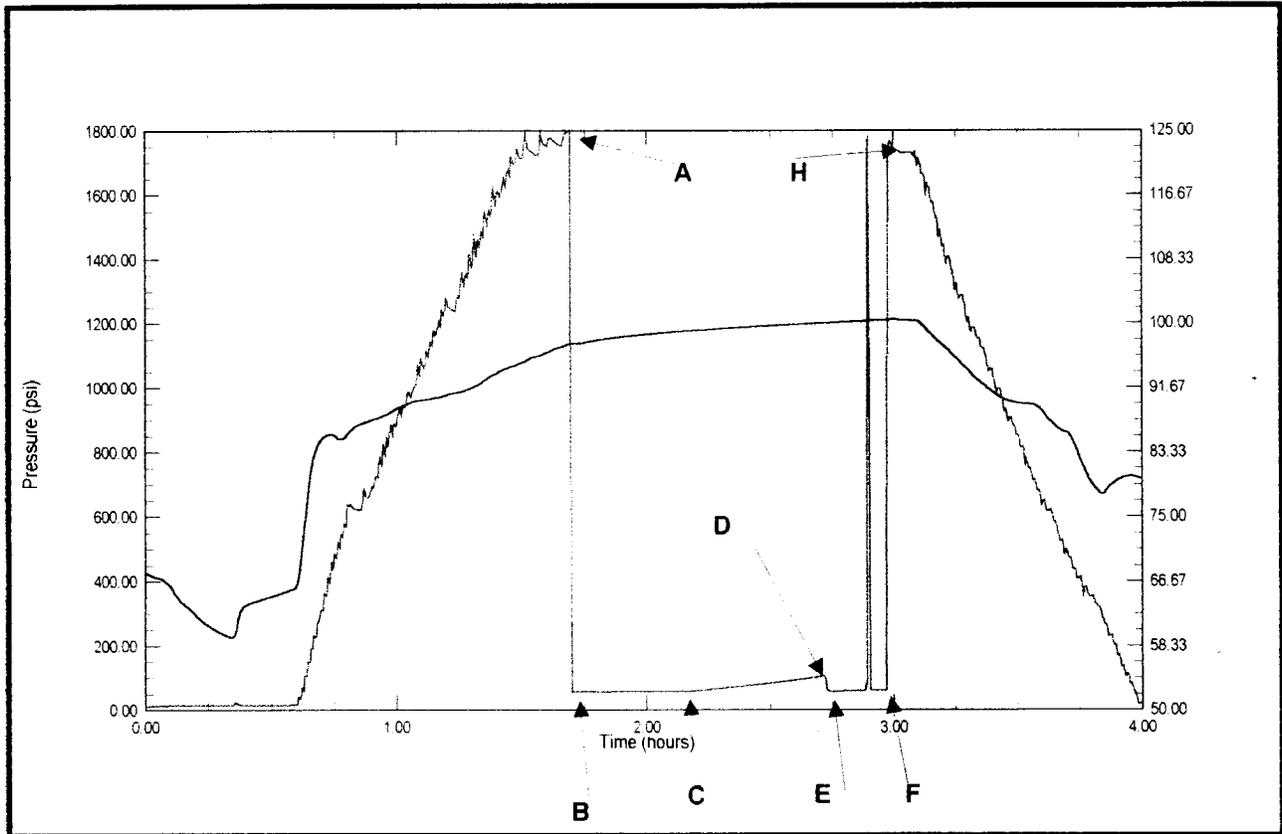
Test Date April 22, 1998

County

Sec Town Range SW-S/E-S/E 18-12S-1

Field

Report Number 11614



Field Reading

Office Reading

(A)	Initial Hydrostatic Pressure	1764	psi
(B)	Initial Flow Pressure	57	psi
(C)	Final Initial Flow Pressure	58	psi
(D)	Initial Shut-In Pressure	104	psi
(E)	Initial Final Flow Pressure	58	psi
(F)	Final Flow Pressure	61	psi
(G)	Final Shut-In Pressure	NONE TAKEN	psi
(H)	Final Hydrostatic Pressure	1729	psi

ELECTRONIC REECORDER DEPTH3583ft,RECORDER NUMBER78225

Company: TOMKAT LTD. Lease & Well No. SCHMEIDLER "B" #4 Test #: 2 Date: 4-22-1998
 SEC. 18 TWP. 12S RGE. 17W 15-051-24989

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

General Information

Test Company Name SUPERIOR TESTERS ENTERPRISES INC.
Company Name TOMKAT LTD.
Lease and Well Number SCHMEIDLER "B" #4
Formation Tested KANSAS CITY
Test Number 2
State KANSAS
County ELLIS
Field
Test Date 22-Apr-98
Section Town Range S/W-S/E-S/E 18-12S-17W
Report Number 11614
Elevation Ground Level 2128
Elevation Kelly Bushings 2134
Company Representative JIM MUSGROVE
Testing Engineer GENE BUDIG

Extra Equipment

Jars NO
Safety Joint NO
Extra Packes No
Straddle No
Hook Wall No
Sampler No
Circulating Sub No
Electronic Recorder YES

Well Information

Drilling Contractor VONFELDT DRILLING RIG #1

Drill Pipe Length 3500
Drill Pipe I.D. 3.8
Tool Joint Size 4 1/2 XH

Weight Pipe Length
Weight Pipe I.D. 2.76
Tool Joint Size 4 1/2 X.H.

Drill Collar Length
Drill Collar I.D. 2.25
Tool Joint Size 4 1/2 X.H.

Mud Weight #/gal 9.1+
Viscosity 43.00
Water Loss 8
Chlorides - Pits 6,000
Chlorides - DST

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Tool Setting Information

Top Packer Depth 3516
Bottom packer Depth 3521
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 3521
Test Interval (to) 3590.00
Anchor Length 69
Total Depth (ft) 3590
Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	100	
Initial Hydrostatic Pressure	1764	
Initial Flow Pressure	57	
Final Initial Flow Pressure	58	
Initial Shut-In Pressure	104	
Initial Final Flow Pressure	58	
Final Flow Pressure	61	
Final Shut-In Pressure	NONE TAKEN	
Final Hydrostatic Pressure	1729	
Electronic Recorder Depth	3583	
Recorder Number	78225	
Mechanical Recorder Depth	3587	
Recorder Number	5463	

Comments

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Flow Times

Initial Open

Tool Open (from) 1:10
 Tool Open (to) 1:40
 Duration (min) 30

Initial Shut-in

Tool Closed (from) 1:40
 Tool Closed (to) 2:10
 Duration (min) 30

Final Open

Tool Open (from) 2:10
 Tool Open (to) 2:30
 Duration (min) 20

Final Shut-in

Tool Closed (from) 2:30
 Tool Closed (to) 0:00
 Duration (min) 0

Recovery Description

Initial Blow WEAK SURFACE BLOW FOR 27 MINUTES AND DIED

Final Blow NO BLOW -FLUSHED TOOL-GOOD SURGE-WEAK SURFACE BLOW FOR 1 MINUTE AND DIED

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) VERY SLIGHTLY OIL CUT MUD	15				
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	15				

Superior Testers Enterprises, Inc.

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

(316) 792-6902

2154 K.B.

Date 4-22-98 Location 3/4 W - 9 E - 3/4 N 18-12-17^S Elevation 21286L County ELLIS

Company TomKat LTD. Number of Copies 5

Charts Mailed to P.O. Box 1471 Great Bend Kansas 67530

Drilling Contractor Vonfeldt Drilling Inc.

Length Drill Pipe 3500 I.D. Drill Pipe 380 Tool Joint Size 4 1/2" X.H.

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

Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE

Top Packer Depth 3591 Bottom Packer Depth 3596 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3596 TO 3647 ANCHOR LENGTH 51 TOTAL DEPTH 3647 Hole Size 7 7/8

LEASE & WELL NO. Schmedler 18" #4 FORMATION TESTED Arbuckle TEST NO. 3

Mud Weight 9.3 Viscosity 49 Water Loss 8.8 Chlorides - Pits 6000 D.S.T. _____

Maximum Temp. 106 °F Initial Hydrostatic Pressure (A) 1857 P.S.I. Final Hydrostatic Pressure (H) 1759 P.

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

Tool Closed J.C.I.P. from 7:30 P.m to 8:15 P.m 45 min

Tool Open F.F.P. from 8:15 P.m to 9:15 P.m 60 min

Tool Closed F.C.I.P. from 9:15 P.m to 10:15 P.m 60 min

from [B] 63 P.S.I. to [C] 127 P.S.

[D] 428 P.S.

from [E] 191 P.S.I. to [F] 278 P.S.

[G] 428 P.S.

Initial Blow WORK building blow built to 10 inches & DECREASED to 8 inches

Final Blow NO blow - flushed tool - Good Surge - WORK building blow built to 3 1/2 inches

Total Feet Recovered 140 Gravity of Oil _____ Corre _____

15 Feet of CLEAN OIL % Gas _____ % Oil _____ % Mud _____ % W _____

45 Feet of OIL & SLIGHTLY GAS CUT MUD % Gas _____ % Oil _____ % Mud _____ % W _____

50 Feet of SLIGHTLY HEAVY OIL & GAS CUT MUD % Gas _____ % Oil _____ % Mud _____ % W _____

30 Feet of Frothy oil % Gas _____ % Oil _____ % Mud _____ % W _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % W _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % W _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % W _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % W _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % W _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % W _____

Remarks _____

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 78225 Clock No. ELECTRONIC Depth 3640 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 13189 Clock No. 47441 Depth 3644 Insurance NONE

Price of Job _____

Tool Operator Steve Ludwig

Approved By _____

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

No 11615

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

(316) 792-6902

SCHMEIDLER "B" #4 ARBUCKLE

State KANSAS

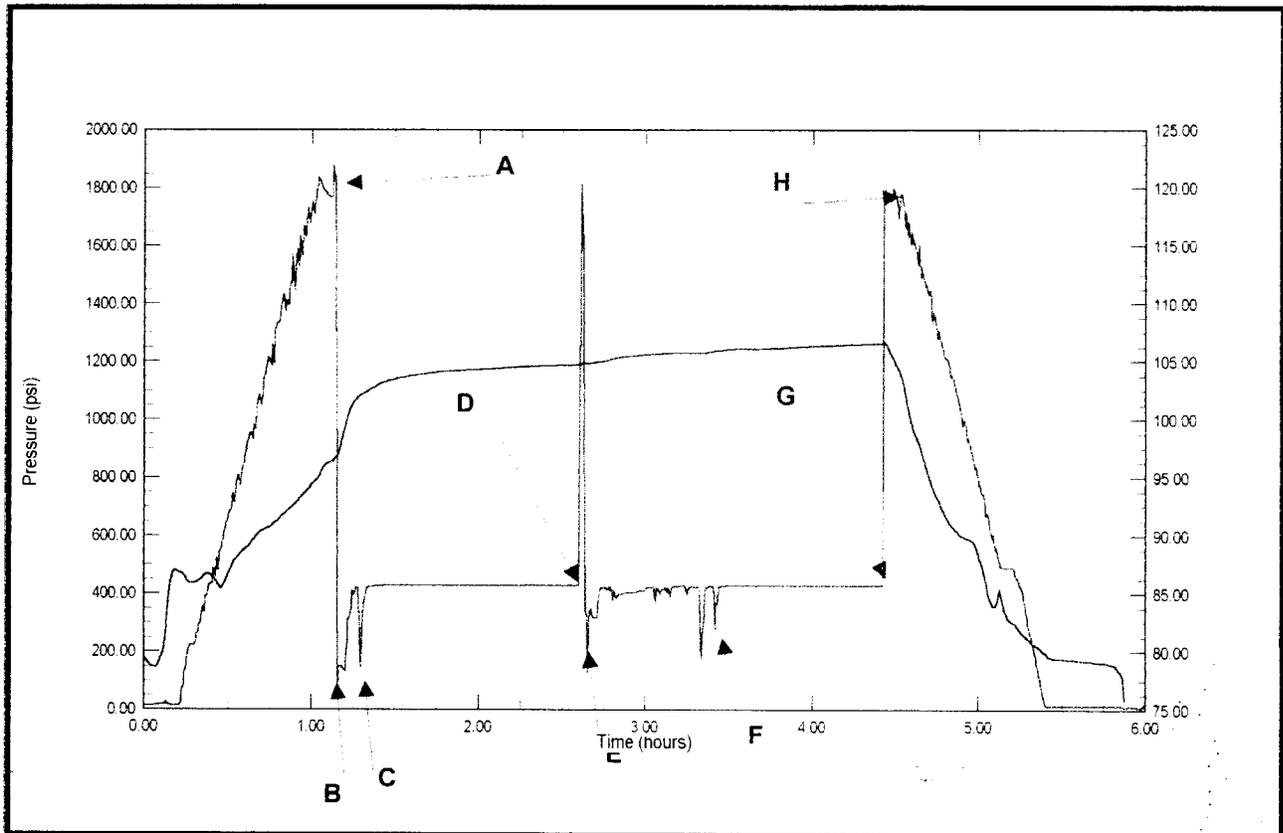
Test Date April 22, 1998

County

Sec Town Range S/W-S/E-S/E 18-12S-1

Field

Report Number 11615



Field Reading

Office Reading

	Field Reading	Office Reading	
(A)	Initial Hydrostatic Pressure	1857	psi
(B)	Initial Flow Pressure	63	psi
(C)	Final Initial Flow Pressure	127	psi
(D)	Initial Shut-In Pressure	428	psi
(E)	Initial Final Flow Pressure	191	psi
(F)	Final Flow Pressure	278	psi
(G)	Final Shut-In Pressure	428	psi
(H)	Final Hydrostatic Pressure	1759	psi

ELECTRONIC REECORDER DEPTH3640ft,RECORDER NUMBER78225

Company: IOMKAI LTD Lease & Well No. SCHMEIDLER "B" #4 Test #: 3 Date: 4-22-1998
 SEC. 18 TWP. 12S RGE. 17W 15-OSI-24989

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

GREAT BEND, KANSAS (316)792-6902

General Information

Test Company Name SUPERIOR TESTERS ENTERPRISES INC.
Company Name TOMKAT LDT
Lease and Well Number SCHMEIDLER "B" #4
Formation Tested ARBUCKLE
Test Number 3
State KANSAS
County ELLIS
Field
Test Date 22-Apr-98
Section Town Range S/W-S/E-S/E 18-12S-17W
Report Number 11615
Elevation Ground Level 2128
Elevation Kelly Bushings 2134
Company Representative JIM MUSGROVE
Testing Engineer GENE BUDIG

Extra Equipment

Jars NO
Safety Joint NO
Extra Packer No
Straddle No
Hook Wall No
Sampler No
Circulating Sub No
Electronic Recorder YES

Well Information

Drilling Contractor VONFELDT DRILLING RIG #1

Drill Pipe Length 3577
Drill Pipe I.D. 3.8
Tool Joint Size 4 1/2 XH

Weight Pipe Length
Weight Pipe I.D. 2.76
Tool Joint Size 4 1/2 X.H.

Drill Collar Length
Drill Collar I.D. 2.25
Tool Joint Size 4 1/2 X.H.

Mud Weight #/gal 9.30
Viscosity 49.00
Water Loss 8.8
Chlorides - Pits 6,000
Chlorides - DST

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Flow Times

Initial Open
 Tool Open (from) 7:00
 Tool Open (to) 7:30
 Duration (min) 30

Initial Shut-in
 Tool Closed (from) 7:30
 Tool Closed (to) 8:15
 Duration (min) 45

Final Open
 Tool Open (from) 8:15
 Tool Open (to) 9:15
 Duration (min) 60

Final Shut-in
 Tool Closed (from) 9:15
 Tool Closed (to) 10:15
 Duration (min) 60

Recovery Description

Initial Blow WEAK BUILDING BLOW BUILT TO 10 INCHES INTO THE WATER AND DECREASED TO 8 INCHES

Final Blow NO BLOW-FLUSHED TOOL AFTER 10 MINUTES-GOOD SURGE-WEAK BLOW BUILT TO 3 1/2 INCHES INTO THE WATER IN 20 MINUTES AND REMAINED STEADY THROUGH OUT THE REMAINDER OF THE TEST

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) CLEAN OIL	15				
2) OIL AND SLIGHTLY GAS CUT MUD	45				
3) HEAVY OIL AND SLIGHTLY GAS CUT MUD	50				
4) FROTHY OIL	30				
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	140				