

API 15-007-22885-00-00

Superior Testers Enterprises, Inc.

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

Date 1-27-05 Location SEC 27, Twp 32, Rge 1E Elevation 1449 RA County Barker
Company AGV Corp. Number of Copies 5

Charts Mailed to 129 N. Main Attyca, KS 67009

Drilling Contractor 261 #3

Length Drill Pipe 4360 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH

Length Weight Pipe — I.D. Weight Pipe — Tool Joint Size —

Length Drill Collars — I.D. Drill Collars — Tool Joint Size —

Top Packer Depth 4385 Bottom Packer Depth 4390 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 4380 TO 4390 ANCHOR LENGTH 10 TOTAL DEPTH 4390 Hole Size 7 3/8

LEASE & WELL NO Martin #4 FORMATION TESTED Mississippi TEST NO. 1

Mud Weight 9.2 Viscosity 48 Water Loss 7.8 Chlorides - Pits 5500 D.S.T. —

Maximum Temp. — °F Initial Hydrostatic Pressure (A) 2100 P.S.I. Final Hydrostatic Pressure (H) 1866 P.S.I.

Tool Open I.F.P. from 1:35 m to 2:05 m 30 min

Tool Closed I.C.I.P. from 2:05 m to 3:05 m 60 min

Tool Open F.F.P. from 3:05 m to 4:05 m 60 min

Tool Closed F.C.I.P. from 4:05 m to 5:35 m 90 min

Initial Blow Strg. 460 kwh, 1min, GTS 4min, gauged 30min @ 100# @ 2 1/2" = 892,000

Final Blow Strg. 460 kwh, 1min, gauged, 60min @ 40# @ 1" = 1162,000

Total Feet Recovered 540 Gravity of Oil 45 Corrected

540 Feet of Oil % Gas 100 % 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 NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. — Clock No. — Depth 4380 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47441 Depth 4382 Insurance NONE

Price of Job —

Tool Operator Steve Clark Thank You

Approved By Kent Roberts

NO 14785

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.

27-32-10W

SUPERIOR TESTERS ENTERPRISES INC.

(800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: AGV CORPORATION
32s RGE. 10 w

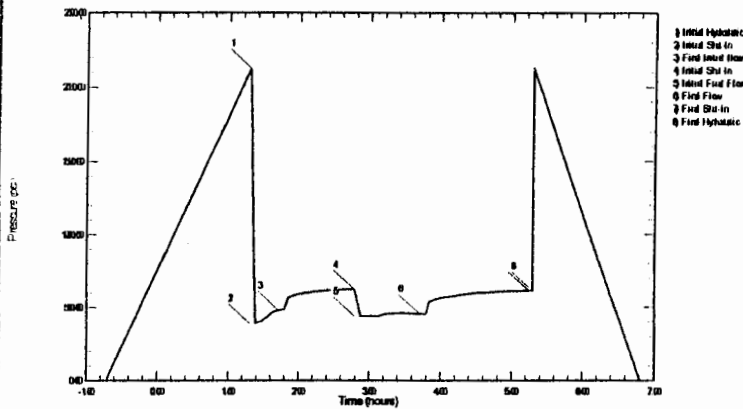
Lease & Well No. MARTIN #4

Test #: 1

Date:

06-27-2005

27-32s-10w



1	Initial Hydrostatic Pressure	2126
2	Initial Flow Pressure	391
3	Final Initial Flow Pressure	487
4	Initial Shut-In Pressure	623
5	Initial Final Flow Pressure	439
6	Final Flow Pressure	453
7	Final Shut-In Pressure	614
8	Final Hydrostatic Pressure	2130

Maximum Temperature

GENERAL INFORMATION

COMPANY NAME AGV CORP.

TEST DATE 6/27/05

SECTION-TOWN-RANGE 27-32-10

STATE KANSAS

COUNTY BARBER

ELEVATION GROUND LEVEL 1439

COMPANY REPRESENTATIVE KENT ROBERTS

LEASE AND WELL NUMBER MARTIN #4

FORMATION TESTED MISSISSIPPI

DRILL STEM TEST NUMBER #1

REPORT NUMBER 14785

ELEVATION KELLY BUSHINGS 1449

TESTING ENGINEER STEVE CLARK

TOOL SETTING INFORMATION

TEST INTERVAL (From) 4380

TEST INTERVAL (to) 4390

ANCHOR LENGTH 10

TOTAL DEPTH (ft) 4390

TOP PACKER DEPTH 4375

BOTTOM PACKER DEPTH 4380

NUMBER OF PACKERS 2

PACKER SIZE 6 3/4

HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 1:35

INITIAL OPEN TOOL OPEN (to) 2:05

DURATION (min.) 30

TOOL OPEN (from) 3:05

FINAL OPEN TOOL OPEN (to) 4:05

DURATION (min.) 60

TOOL CLOSED (from) 2:05

INITIAL SHUT-IN TOOL CLOSED (to) 3:05

DURATION (min.) 60

TOOL CLOSED (from) 4:05

FINAL SHUT-IN TOOL CLOSED (to) 5:35

DURATION (min.) 90

INITIAL FLOW

STRG BLW B.O.B. 1 MIN, GTS 4 MIN -GAUGED GAS-30 MIN@60# @3/4=872000

FINAL FLOW

STRG BLW B.O.B. 1 MIN.-GAUGED GAS-60MIN@40# @1"=1162000

FEET OF Recovery	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 540	OIL		100		
2)					
3)					
4)					
5)					
6)					

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME AGV CORP.
TEST DATE 6/27/05
SECTION-TOWN-RANGE 27-32-10
STATE KANSAS
COUNTY BARBER
ELEVATION GROUND LEVEL 1439
COMPANY REPRESENTATIVE KENT ROBERTS

LEASE AND WELL NUMBER MARTIN #4
FORMATION TESTED MISSISSIPPI
DRILL STEM TEST NUMBER #1
REPORT NUMBER 14785
ELEVATION KELLY BUSHINGS 1449
TESTING ENGINEER STEVE CLARK

EXTRA EQUIPMENT

JARS NO
SAFETY JOINT YES
ELECTRONIC RECORDER YES
CIRCULATING SUB NO

EXTRA PACKER (3RD) NO
EXTRA PACKER (4TH) NO
STRADDLE NO
HOOK WALL NO
SAMPLER NO

MILES ROUND TRIP FROM

TOP RECORDER DEPTH 4380
RECORDER NUMBER 91981

BOTTOM RECORDER DEPTH 4383
RECORDER NUMBER 5463

WELL INFORMATION

DRILLING CONTRACTOR VAL DRLG #3
DRILL PIPE LENGTH 4360
DRILL PIPE I.D. 3.8
TOOL JOINT SIZE 4 1/2 X.H.

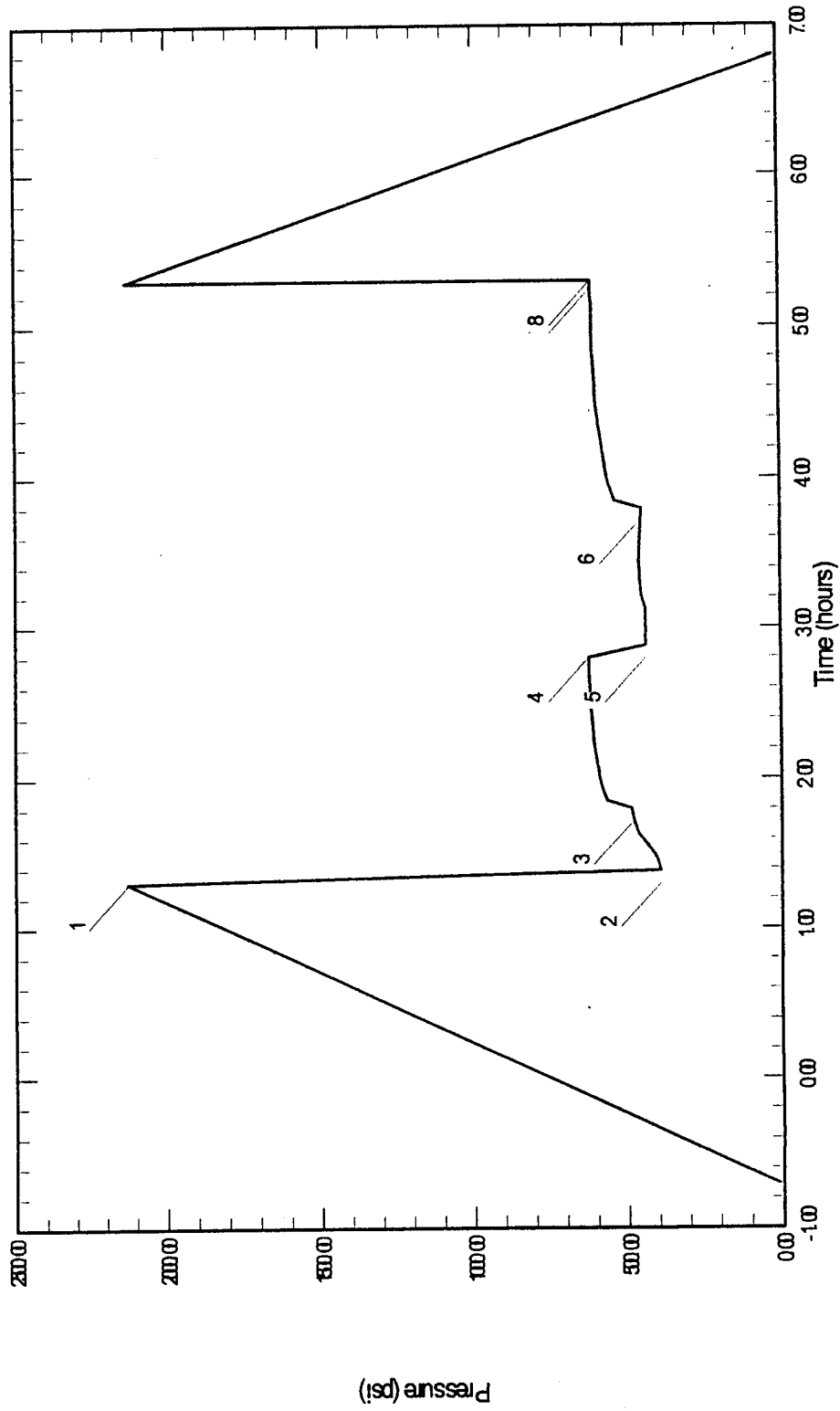
DRILL COLLAR LENGTH
DRILL COLLAR I.D. 2.25
TOOL JOINT SIZE 4 1/2 X.H.

WEIGHT PIPE LENGTH
WEIGHT PIPE I.D. 2.25
TOOL JOINT SIZE 4 1/2 X.H.

MUD WEIGHT #/GAL 9.2
VISCOSITY 48
WATER LOSS 9.8
CHLORIDES-PITS 5500
CHLORIDES-DST

COMMENTS

#



SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

SUPERPOSITION ANALYSIS

800) 792-6902

1ST SHUT-IN

State KANSAS

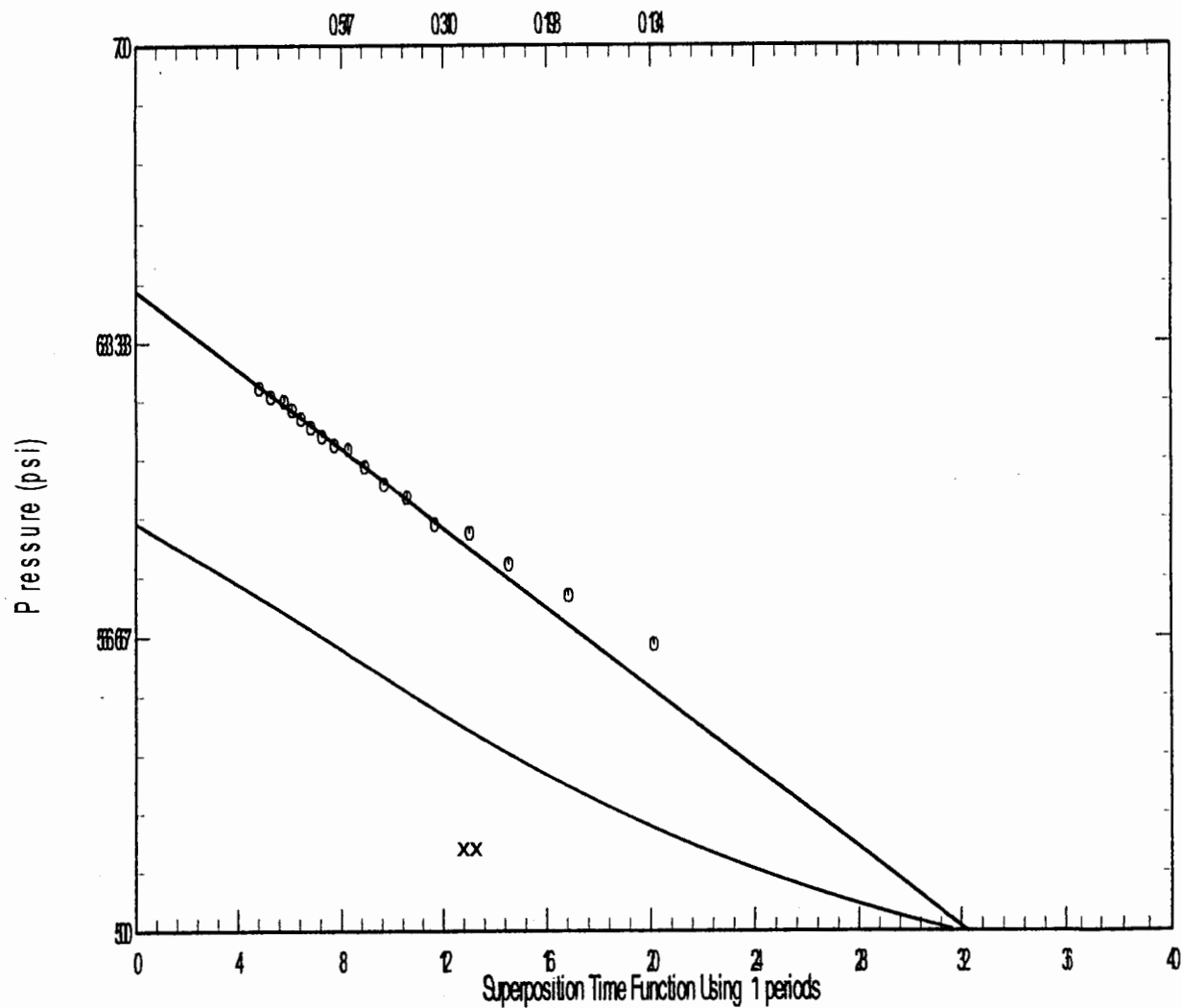
Test Date

County BARBER

Sec Town Range 27-32-10

Field

Report Number 14785



MODEL RESULTS

Constant Storage
C1 : 0.00144/psi

Skin Model
Skin : 0.72

Homogeneous
k : 6.688 md
Est Pi: 592.2 psi

No Boundaries

h : 10 ft
mu : 0.75 cp
phi : 18.0%
c1 : 8.13E-04 1/psi
rw : 3.28 ft
FVF : 2.05

Field :
County or Parish :
State :

Date Printed: 06/29/05 02:24:02
Analysis Period : 1st shut-in
Comment : Line #

Superposition Slope -> m' -4.501914
Horner Slope -> m -147.302627
Intercept 645.187
P(dt=1 hr) 622.930
Pwf 479.000
R Sqr 0.9895

k (md) 5.61891
kh (md-ft) 56.18905
k/u (md/cp) 7.42947
kh/uB (md-ft/cp) 36.11797

Skin 0.589
DP,Skin 75.522
Total DP 166.187
Percent DP 45.44%

Radius Invest (ft) 7
Radius Time (hrs) 1.03

Delta Q = 33
h (ft)= 10
mu = 0.756
B = 2.057

First Point # 8
Second Point # 19
Start Real Time 0.427
End Real Time 0.977
Start SF Time 9.669

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

SUPERPOSITION ANALYSIS

(800) 792-6902

2ND SHUT-IN

State KANSAS

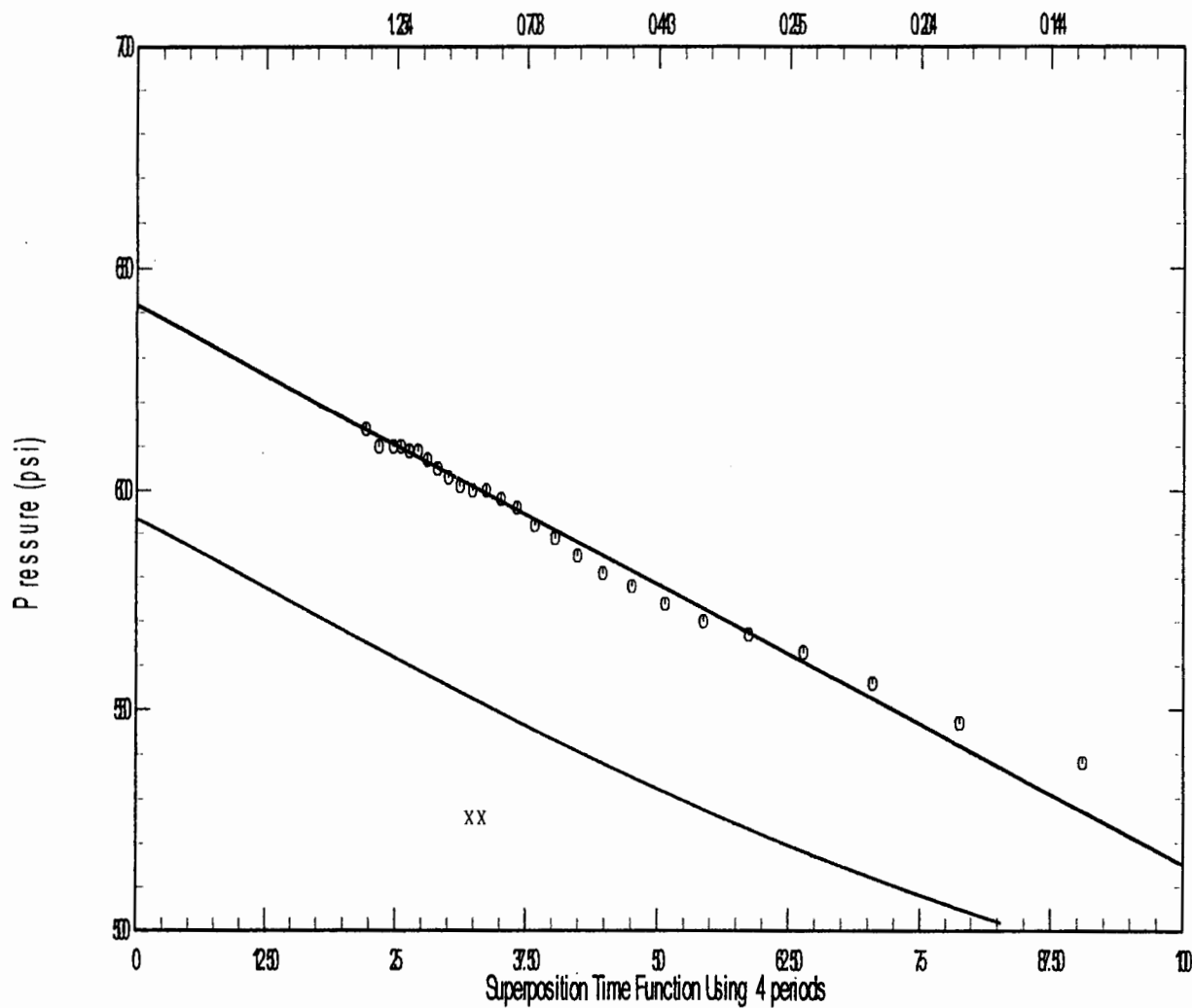
Test Date

County BARBER

Sec Town Range 27-32-10

Field

Report Number 14785



MODEL RESULTS

Constant Storage
C1 : 0.04441/psi

Skin Model
Skin : 0.19

Homogeneous
k : 21.05 md
Est Pi : 583.5 psi

No Boundaries

h : 10 ft
mu : 0.744 cp
gh : 18.0%
ct : 8.25E-04 1/psi
rw : 3.28 ft
FVF : 2.13

Field :
County or Parish :
State :

Date Printed: 06/29/05 02:28:05
Analysis Period : 2ND SHUT-IN
Comment : Line #

Superposition Slope -> m' -1.268239
Horner Slope -> m -124.477672
Intercept 641.891
P(dt=1 hr) 604.382
Pwf 455.000
R Sqr 0.9709

k (md) 20.34072
kh (md-ft) 203.40723
k/u (md/cp) 27.34703
kh/uB (md-ft/cp) 128.20926

Skin 0.202
DP Skin 21.846
Total DP 186.891
Percent DP 11.69%

Radius Invest (ft) 17
Radius Time (hrs) 1.48

Delta Q = 98
h (ft)= 10
mu = 0.744
B = 2.133

First Point # 13
Second Point # 25
Start Real Time 0.683
End Real Time 1.283
Start SF Time 38.312