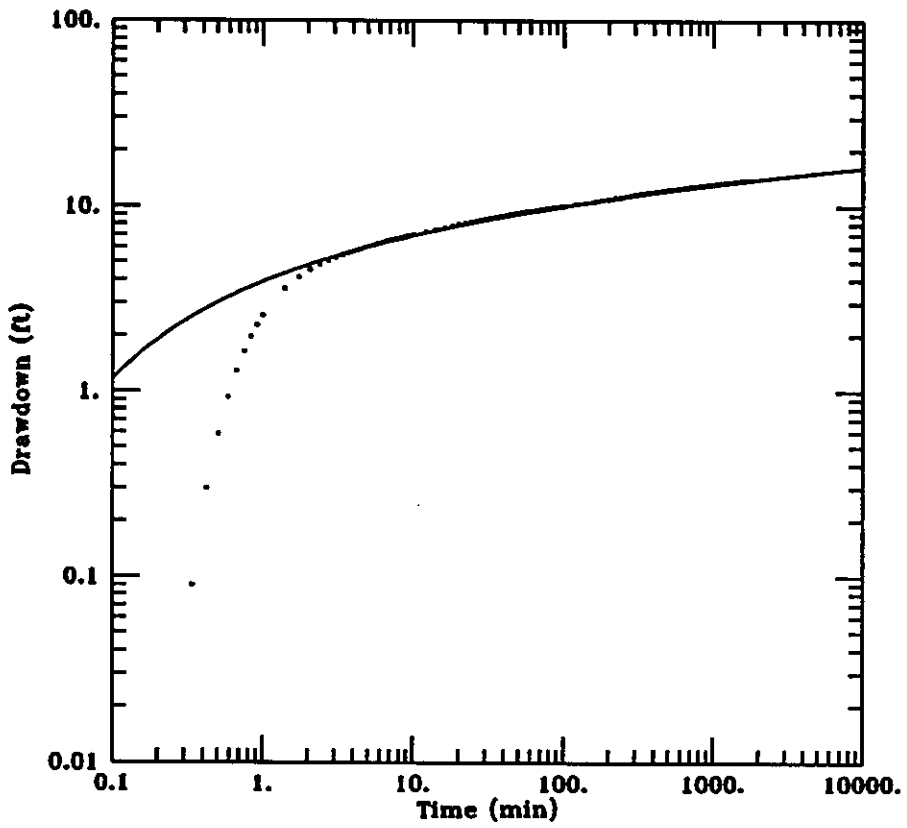
OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT1.DAT
12/13/96

AQUIFER MODEL:
Confined

SOLUTION METHOD:
Theis

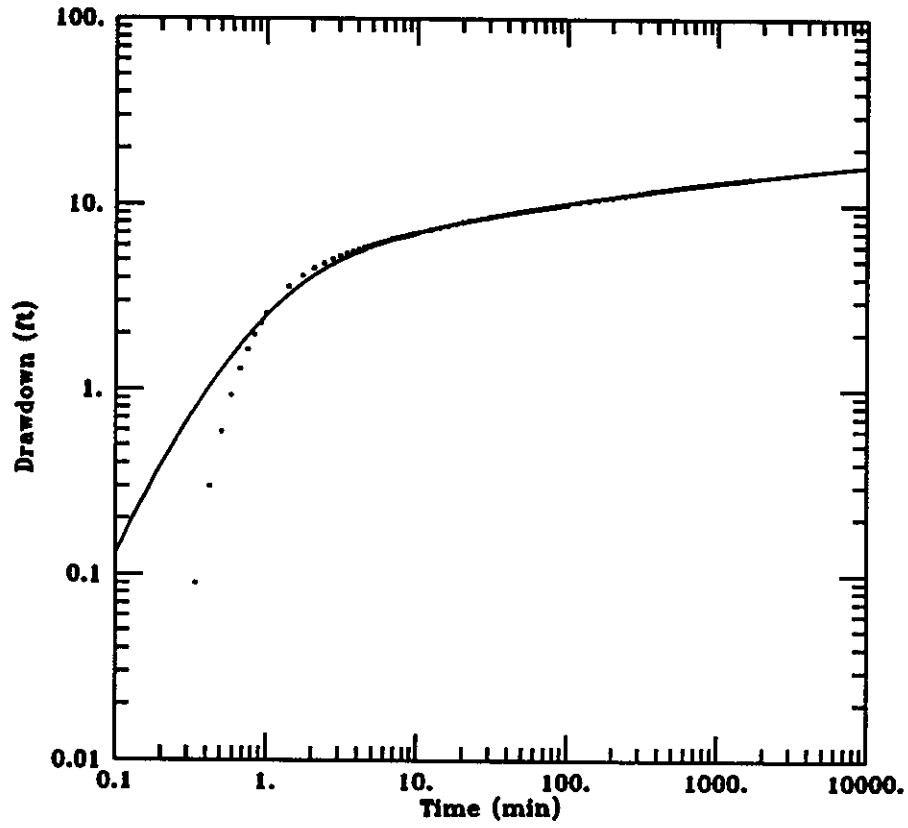
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D01

TEST DATA:
Q = 80. gal/min
r = 40. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 6866.1 gal/day/ft
S = 5.019E-05

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT1.DAT
12/13/96

AQUIFER MODEL:
Confined

SOLUTION METHOD:
Papadopulos-Cooper

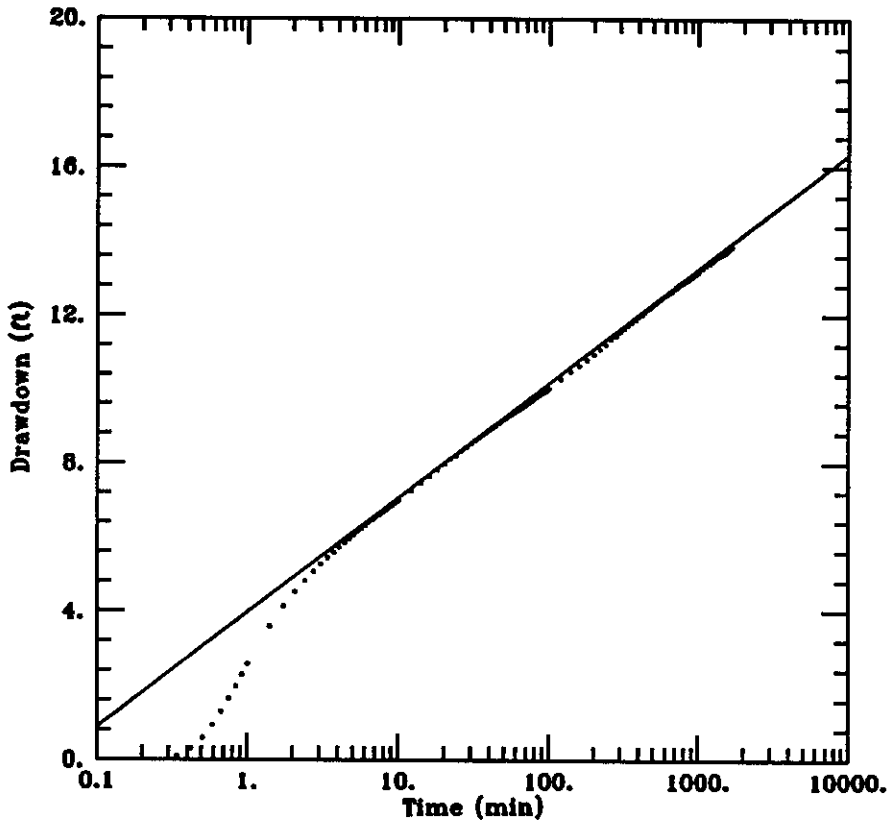
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D01

TEST DATA:
Q = 80. gal/min
r = 40. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 7075.7 gal/day/ft
S = 3.592E-05
a = 2.399E-05

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT1.DAT
12/13/96

AQUIFER MODEL:
Confined

SOLUTION METHOD:
Cooper-Jacob

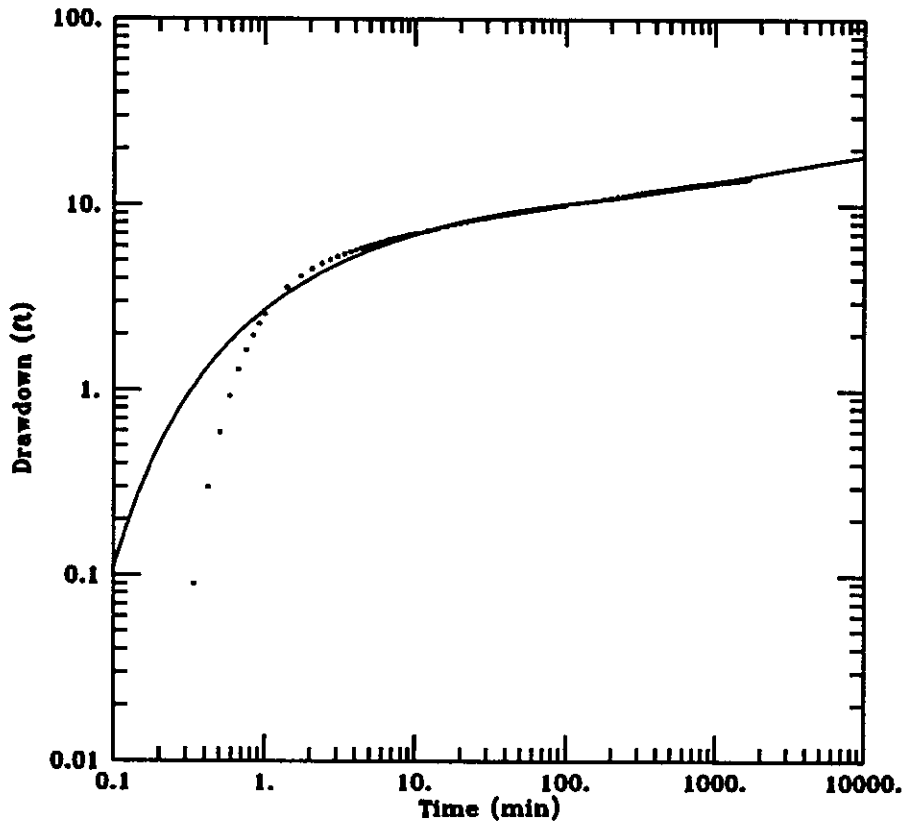
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D01

TEST DATA:
Q = 80. gal/min
r = 40. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 6814.6 gal/day/ft
S = 4.648E-05

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT1.DAT
12/13/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Neuman

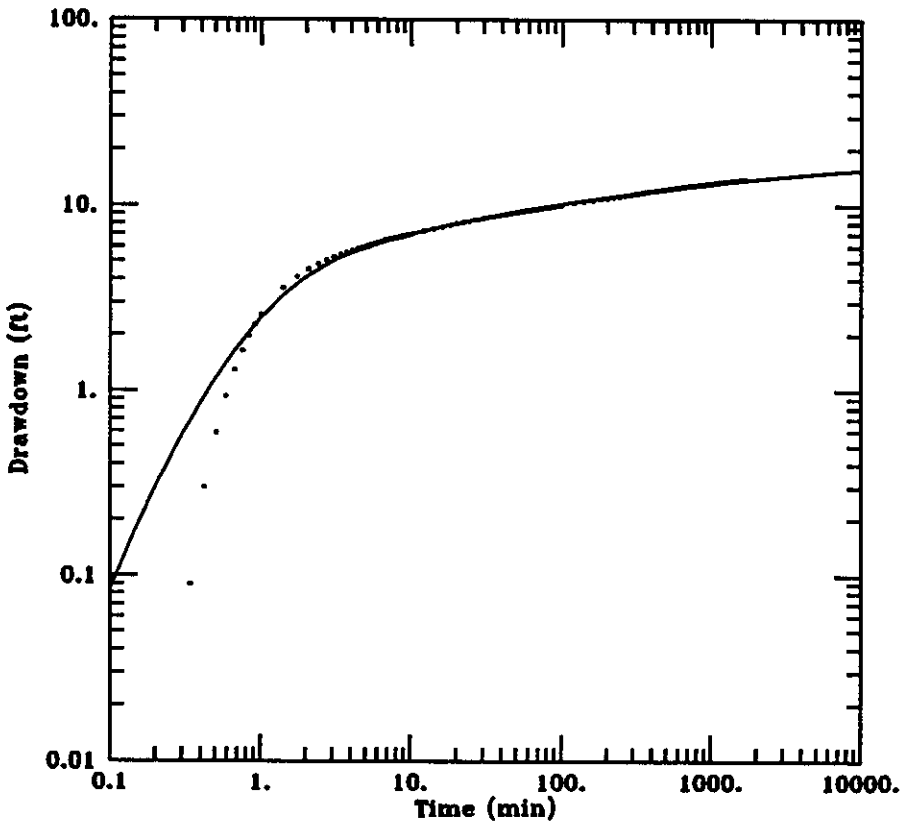
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D01

TEST DATA:
Q = 80. gal/min
r = 40. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 3924.8 gal/day/ft
S = 0.0001819
Sy = 0.001767
β = 0.004333

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT1.DAT
12/13/96

AQUIFER MODEL:
Leaky

SOLUTION METHOD:
Moench

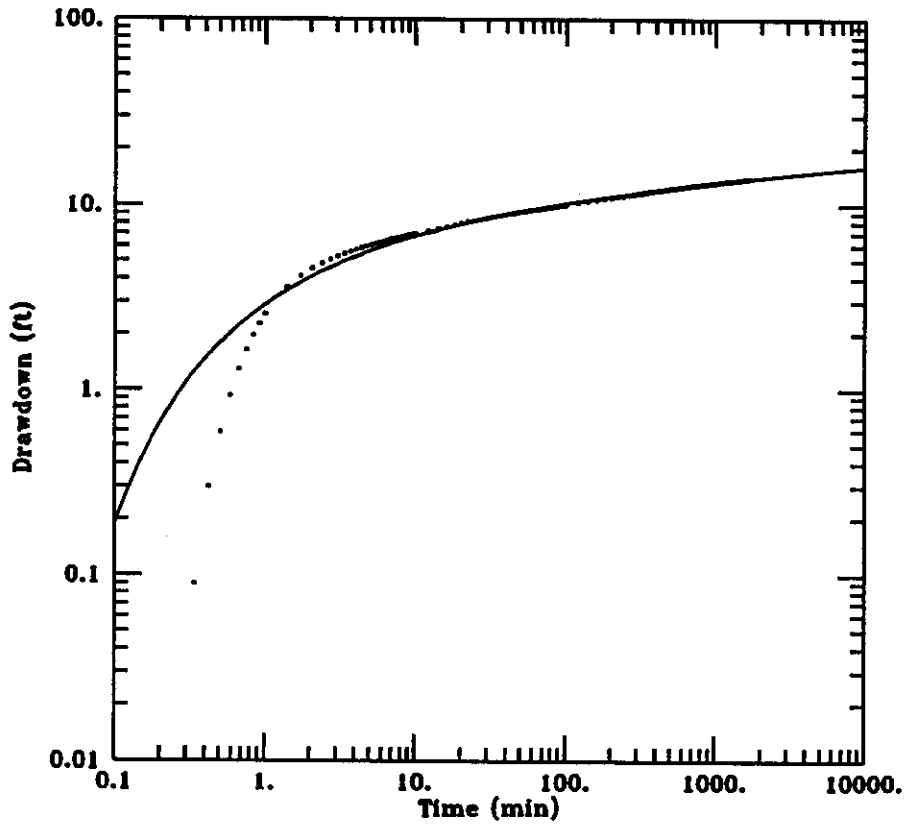
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D01

TEST DATA:
Q = 80. gal/min
r = 40. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 6584.7 gal/day/ft
S = 5.002E-05
r/B = 0.001796
β = 0.001
Sw = 16.78
a = 0.0001508

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT1.DAT
12/13/96

AQUIFER MODEL:
Leaky

SOLUTION METHOD:
Hantush (w/ stor.)

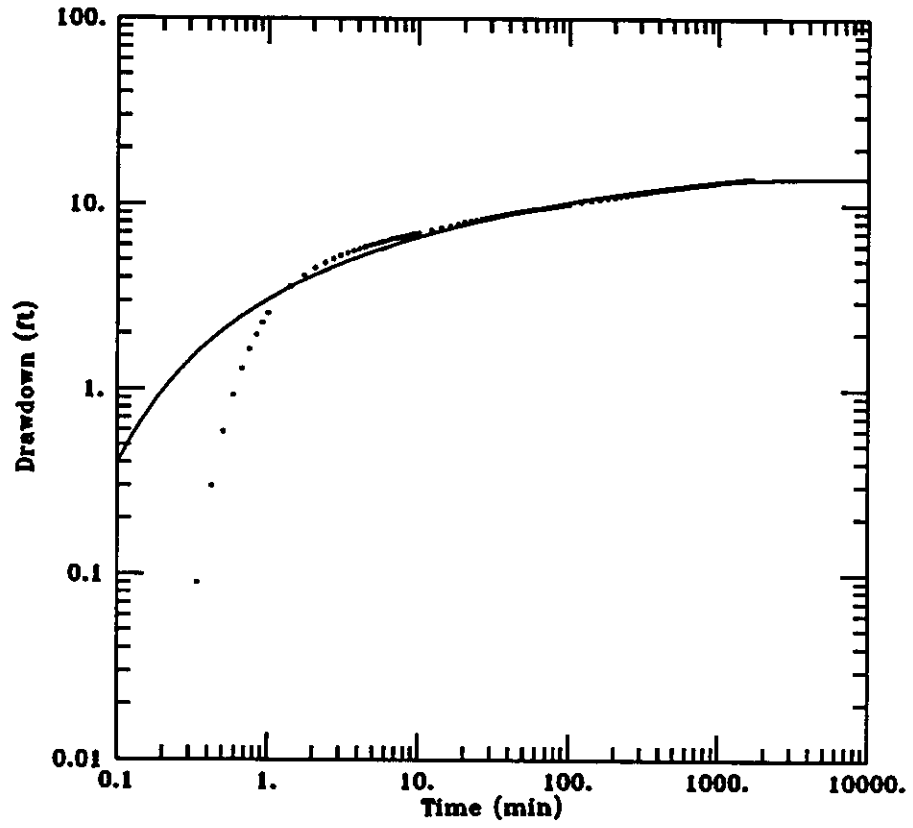
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D01

TEST DATA:
Q = 80. gal/min
r = 40. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 3855.1 gal/day/ft
S = 0.00014
β = 0.06266

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT1.DAT
12/13/96

AQUIFER MODEL:
Leaky

SOLUTION METHOD:
Hantush (no stor.)

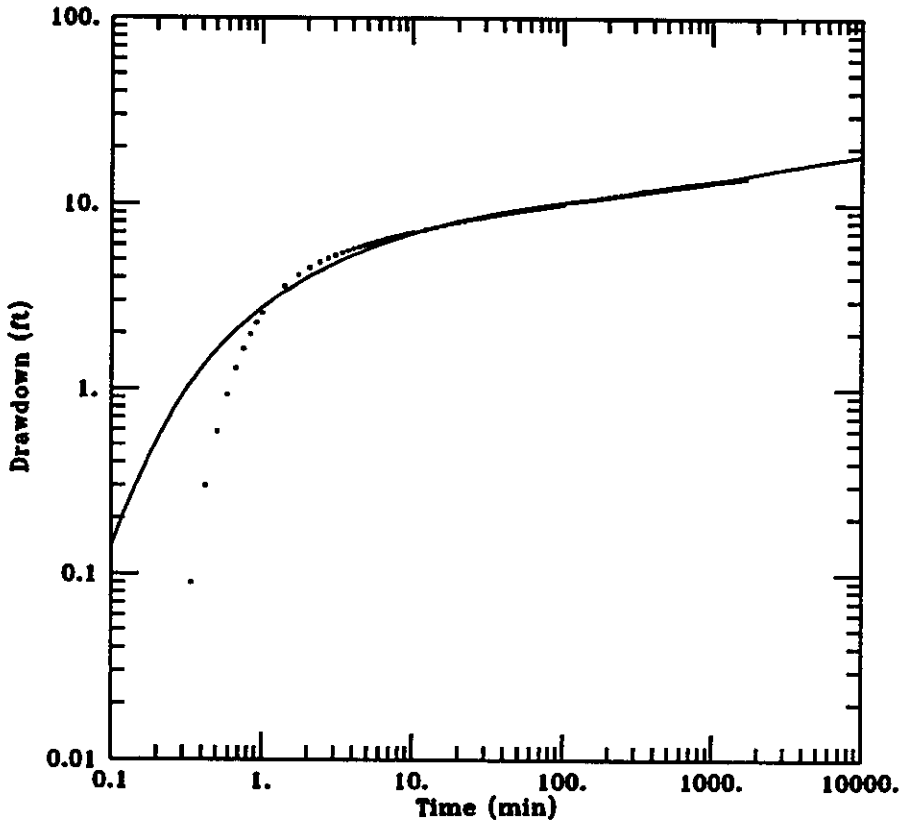
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D01

TEST DATA:
Q = 80. gal/min
r = 40. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 5686.3 gal/day/ft
S = 0.000123
r/B = 0.01518

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT1.DAT
12/13/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Neuman (approx.)

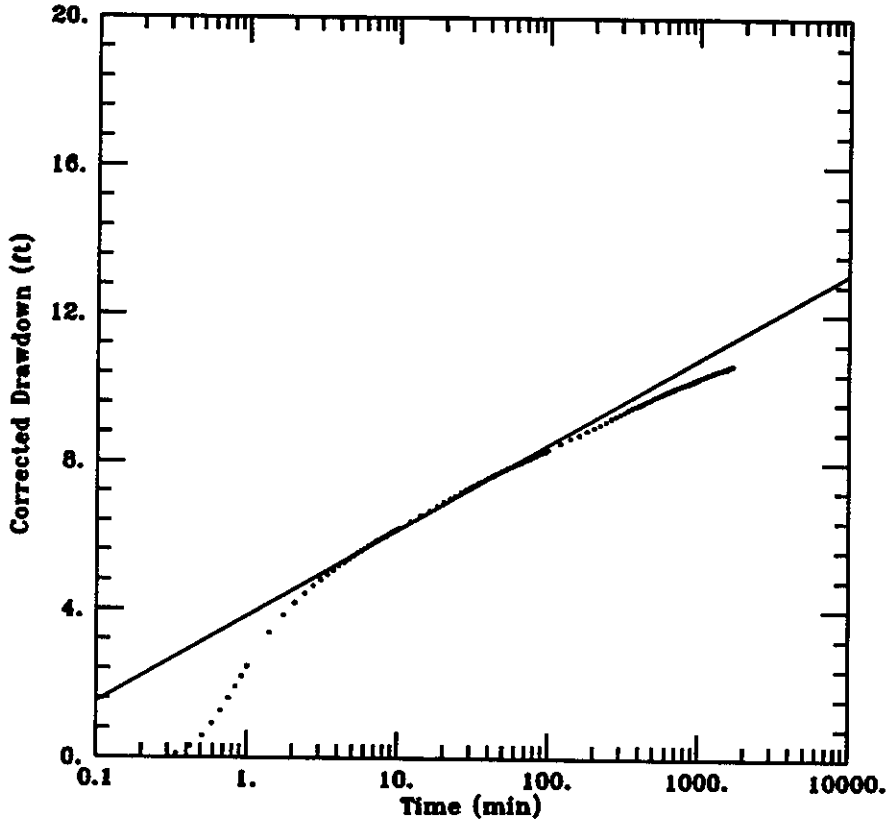
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D01

TEST DATA:
Q = 80. gal/min
r = 40. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 4024.4 gal/day/ft
S = 0.0001769
Sy = 0.001543
β = 0.004455

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT1.DAT
12/13/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Cooper-Jacob

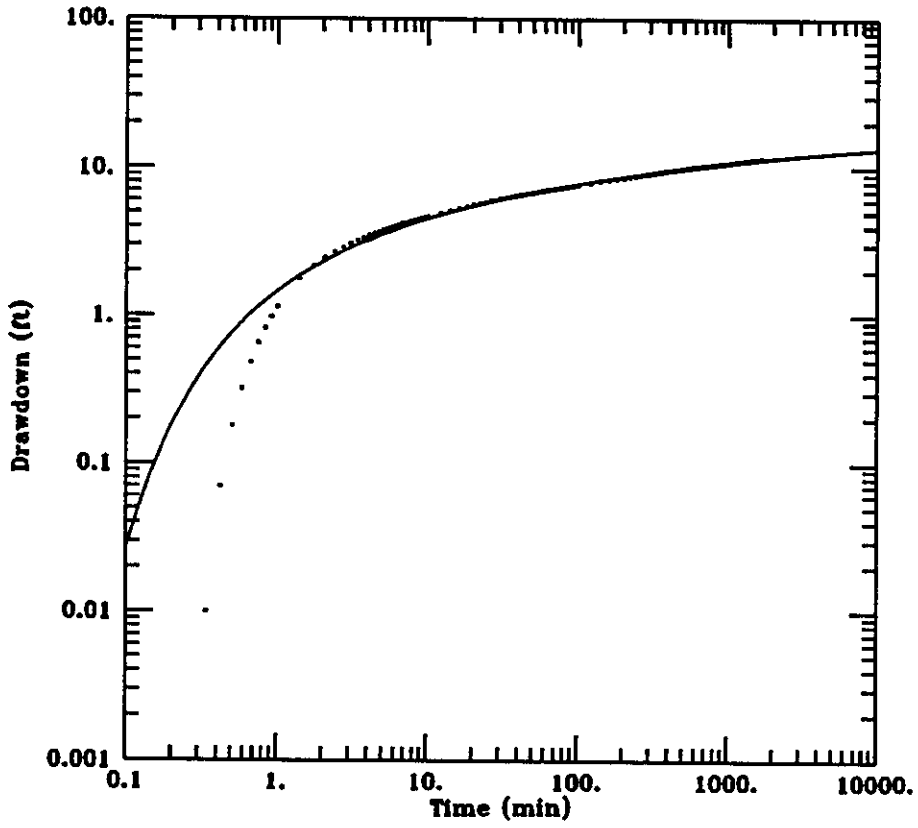
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90001

TEST DATA:
Q = 80. gal/min
r = 40. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 9078.6 gal/day/ft
S = 2.685E-05

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT2.DAT
12/13/96

AQUIFER MODEL:
Leaky

SOLUTION METHOD:
Hantush (w/ stor.)

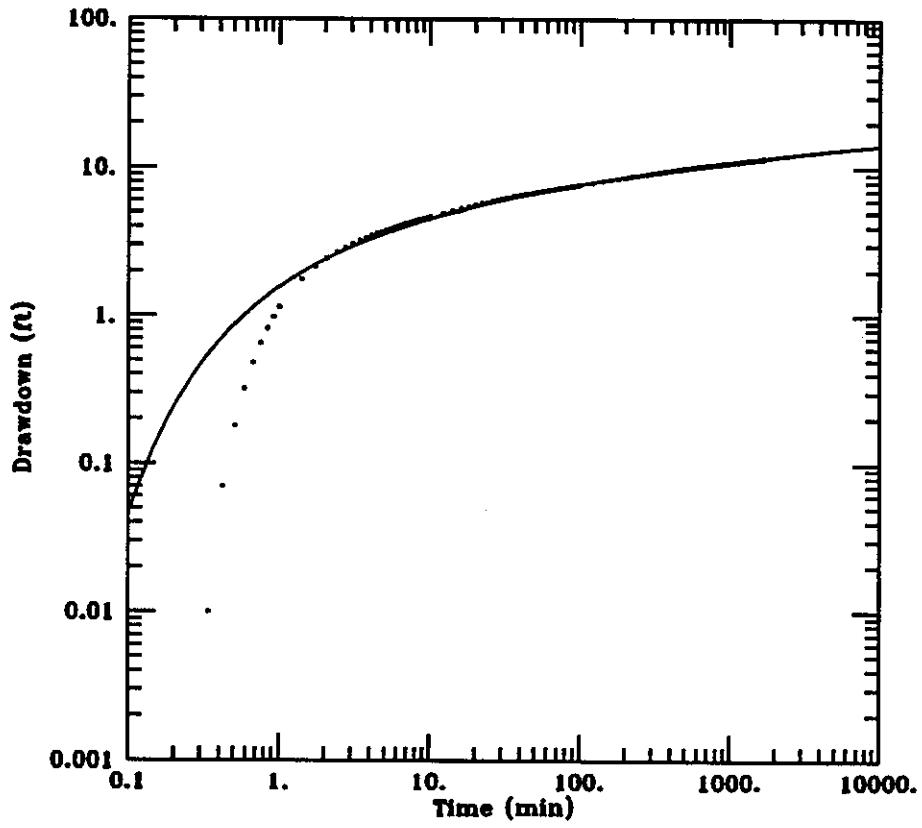
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D02

TEST DATA:
Q = 80. gal/min
r = 70. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 6096.7 gal/day/ft
S = 0.0001265
β = 0.003514

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT2.DAT
12/13/96

AQUIFER MODEL:
Confined

SOLUTION METHOD:
Theis

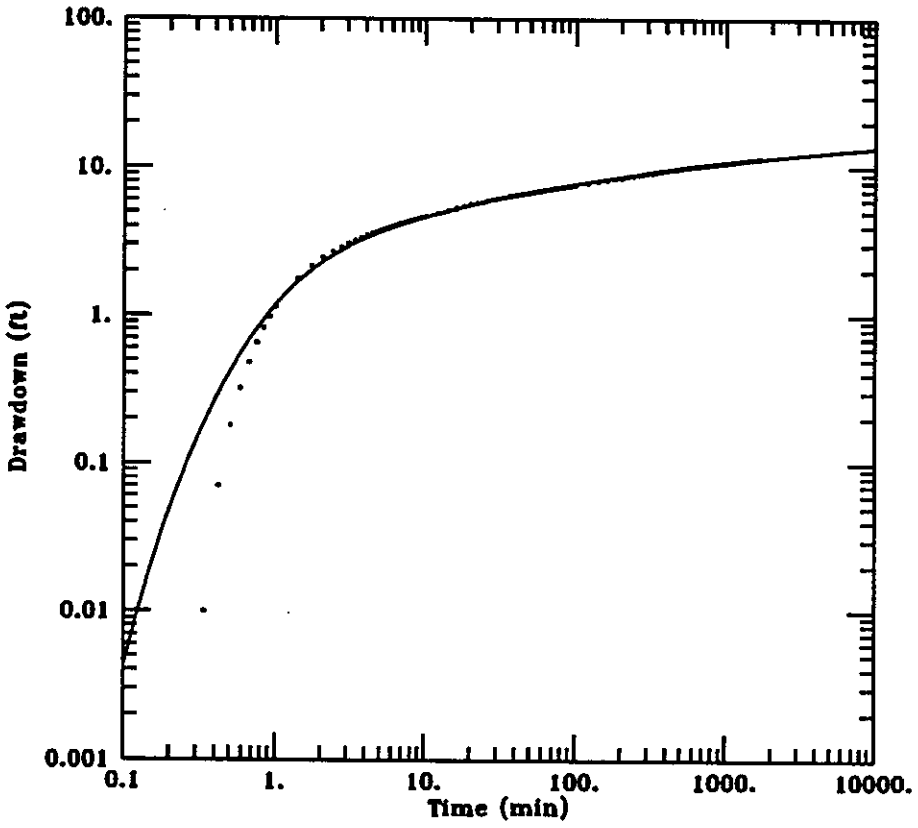
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D02

TEST DATA:
Q = 80. gal/min
r = 70. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 6544.8 gal/day/ft
S = 0.0001135

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT2.DAT
12/13/96

AQUIFER MODEL:
Leaky

SOLUTION METHOD:
Moench

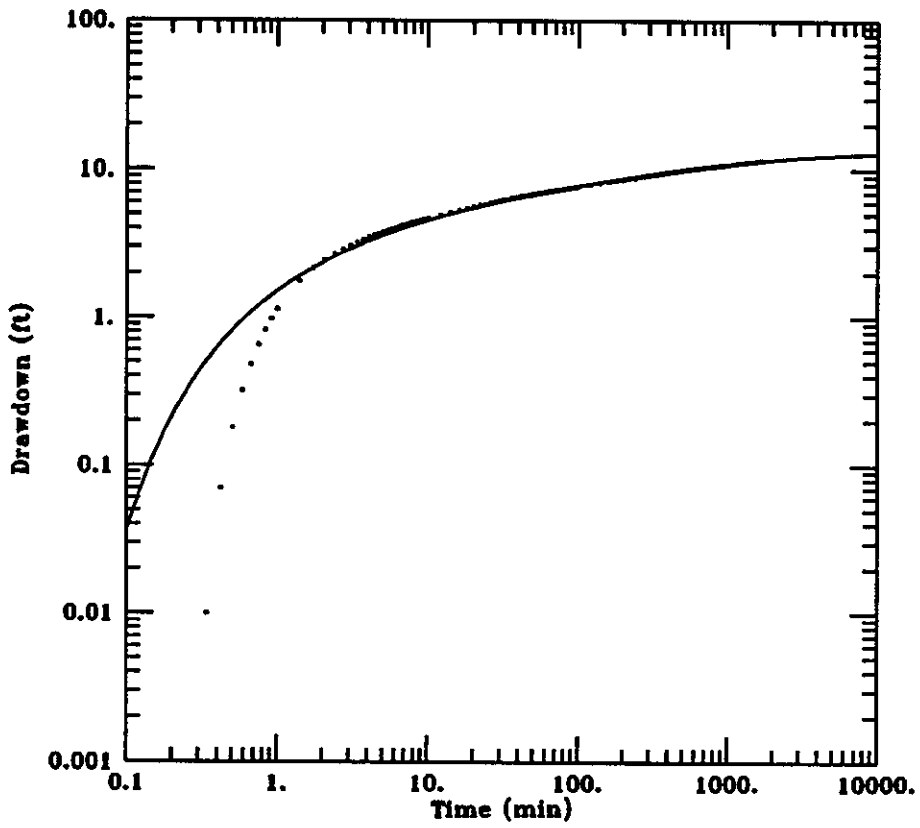
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D02

TEST DATA:
Q = 80. gal/min
r = 70. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 6610.1 gal/day/ft
S = 9.738E-05
r/B= 0.003537
β = 0.001
Sw = 87.65
a = 0.002073

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT2.DAT
12/13/96

AQUIFER MODEL:
Leaky

SOLUTION METHOD:
Hantush (no stor.)

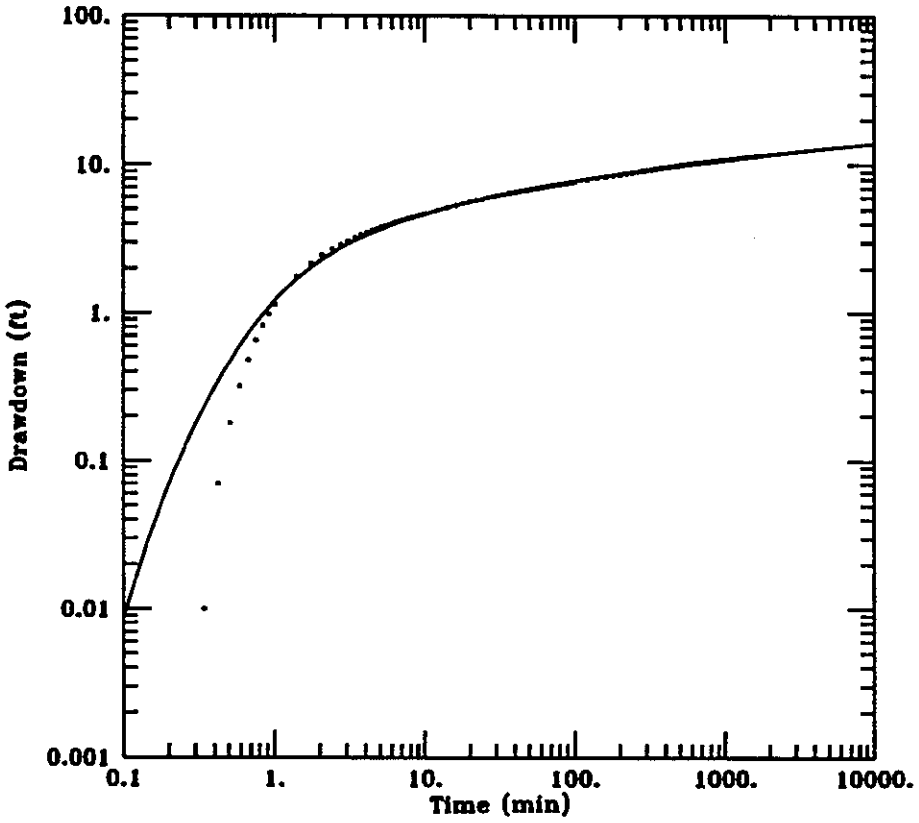
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D02

TEST DATA:
Q = 80. gal/min
r = 70. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 6390.3 gal/day/ft
S = 0.0001202
r/B= 0.01174

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT2.DAT
03/14/97

AQUIFER MODEL:
Confined

SOLUTION METHOD:
Papadopulos-Cooper

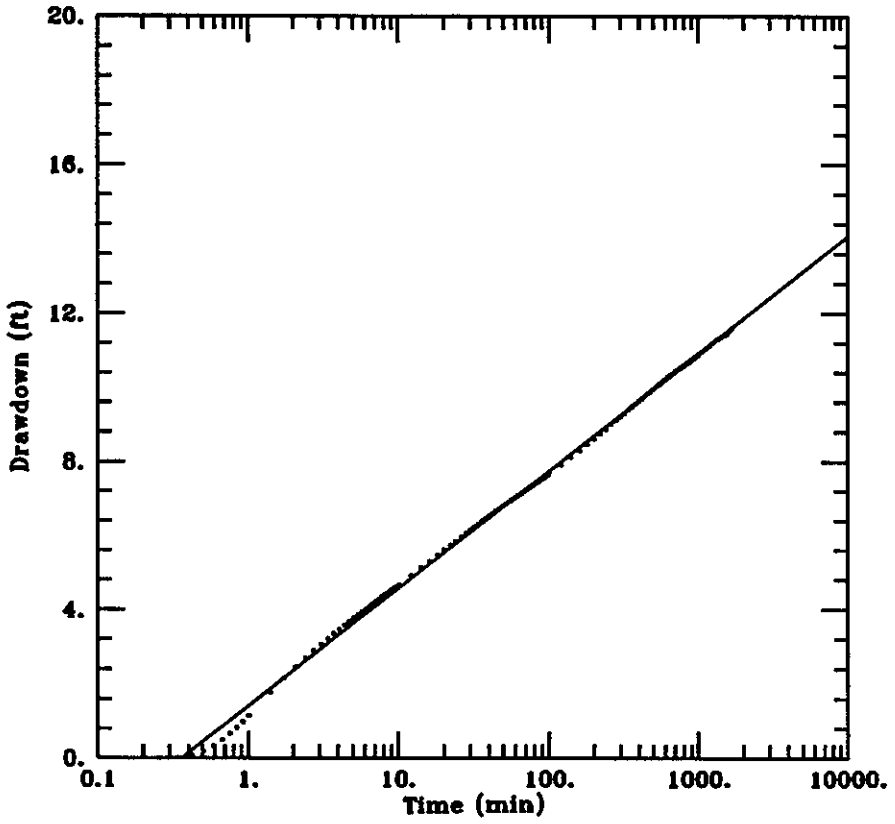
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D02

TEST DATA:
Q = 80. gal/min
r = 70. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 6888.3 gal/day/ft
S = 8.429E-05
s = 8.621E-05

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT2.DAT
12/13/96

AQUIFER MODEL:
Confined

SOLUTION METHOD:
Cooper-Jacob

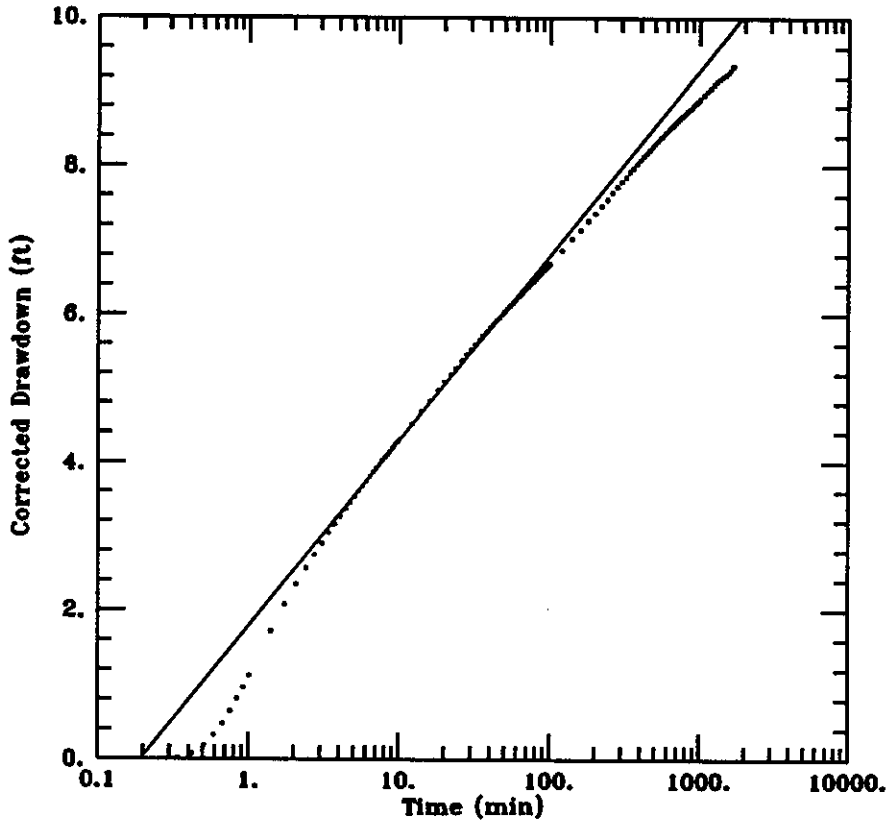
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90OO2

TEST DATA:
Q = 80. gal/min
r = 70. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 6661.3 gal/day/ft
S = 0.0001028

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT2.DAT
12/13/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Cooper-Jacob

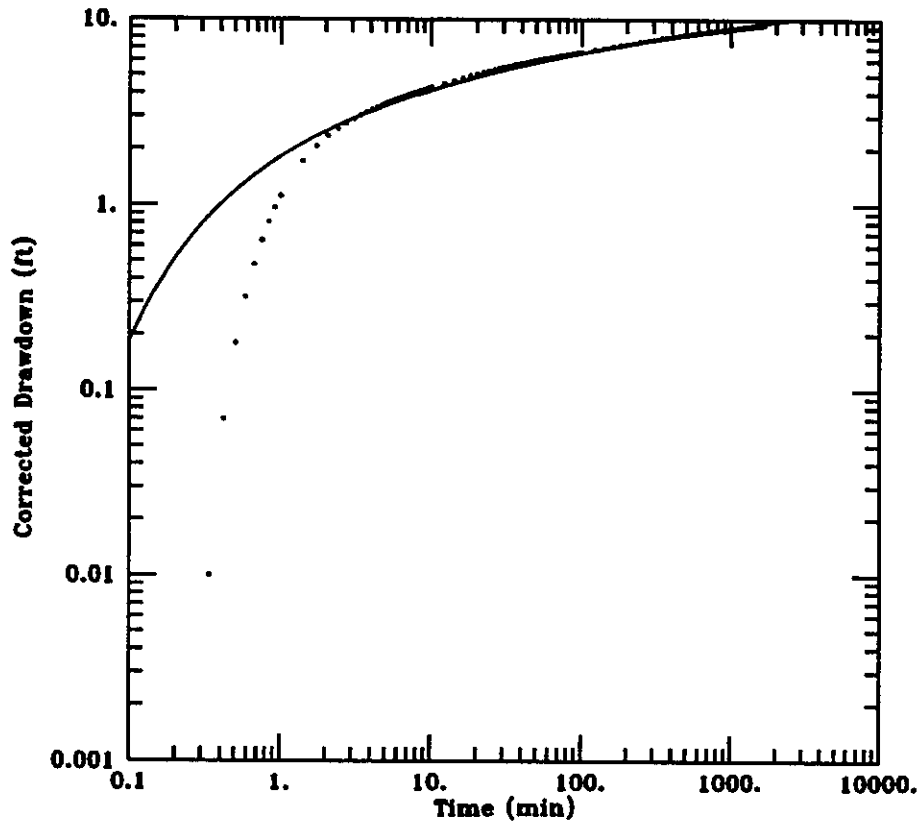
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90002

TEST DATA:
Q = 80. gal/min
r = 70. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 8431.9 gal/day/ft
S = 6.954E-05

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT2.DAT
12/13/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Theis

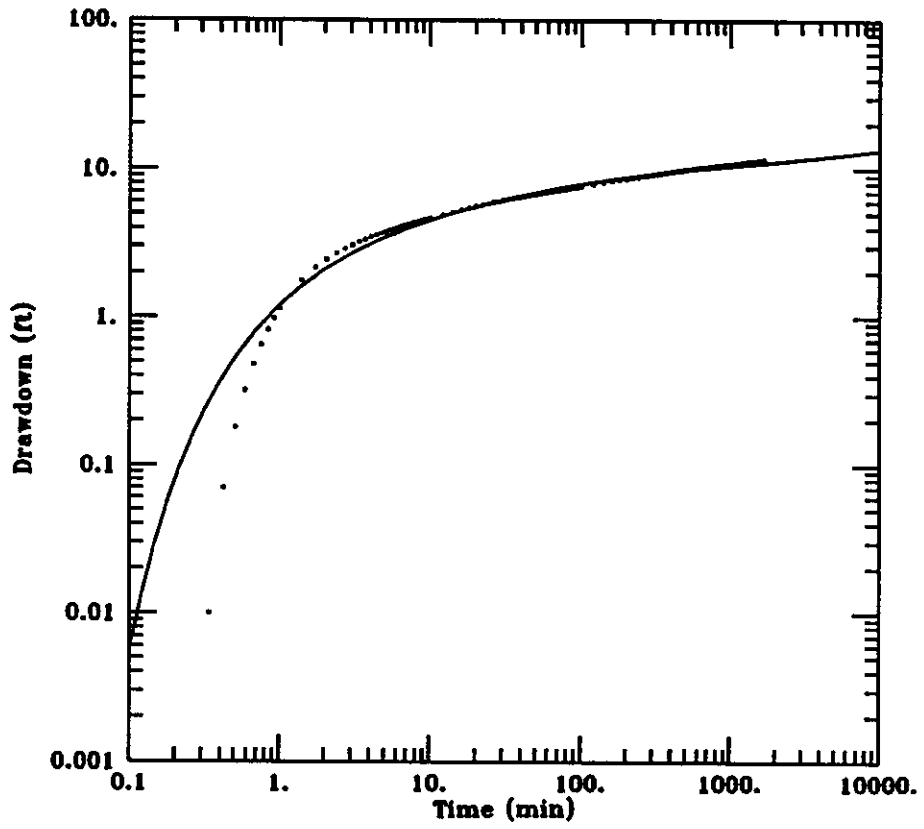
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D02

TEST DATA:
Q = 80. gal/min
r = 70. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 8636.8 gal/day/ft
S = 7.459E-05

AGTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT2.DAT
12/13/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Neuman

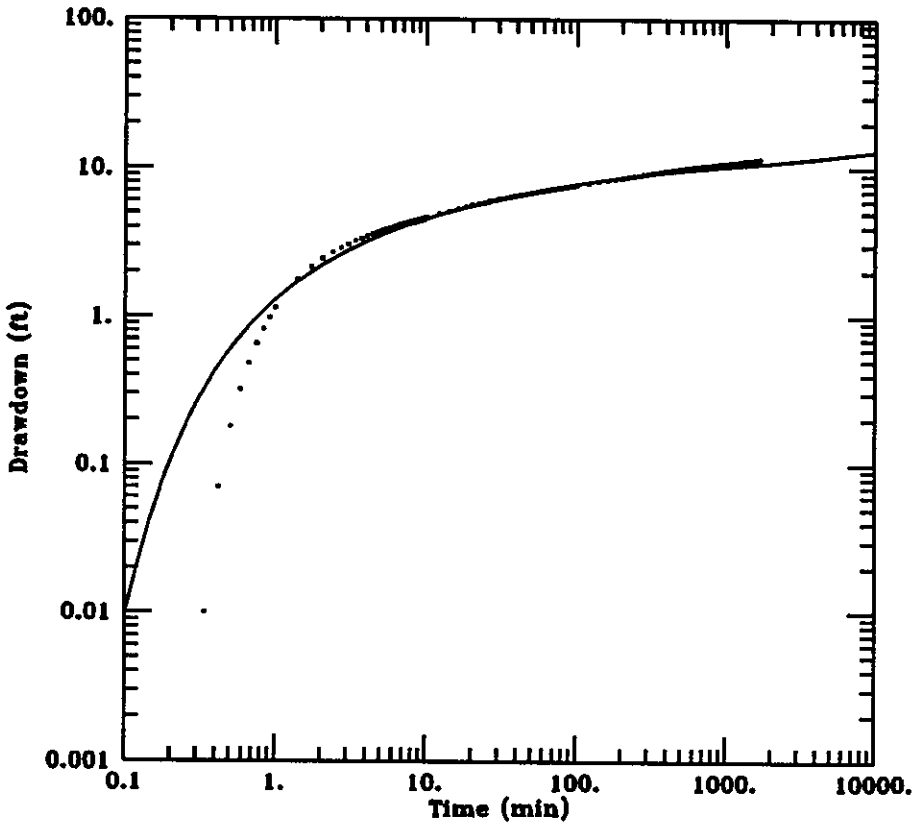
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D02

TEST DATA:
Q = 80. gal/min
r = 70. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

PARAMETER ESTIMATES:
T = 5164.2 gal/day/ft
S = 0.000161
Sy = 0.001
β = 0.001

AQTESOLV

OKS-90 MIDDLE PRODUCING ZONE APT



DATA SET:
S90APT2.DAT
12/13/96

AQUIFER MODEL:
Unconfined

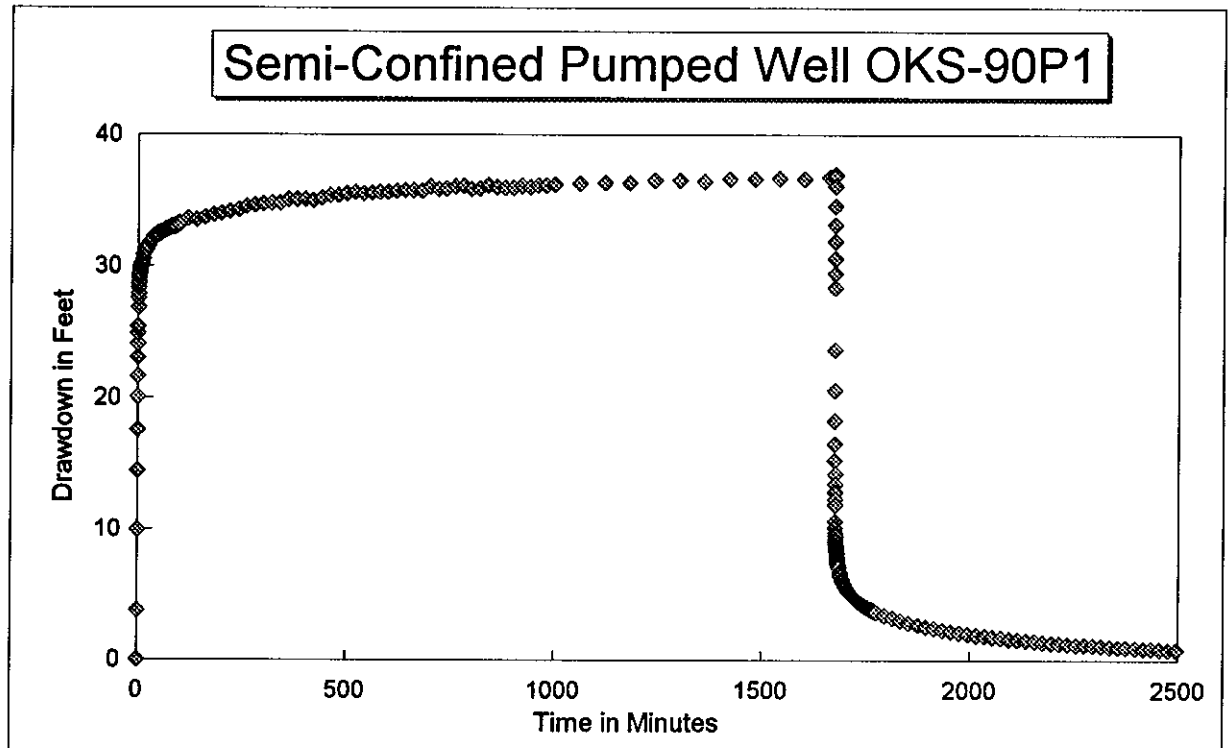
SOLUTION METHOD:
Neuman (approx.)

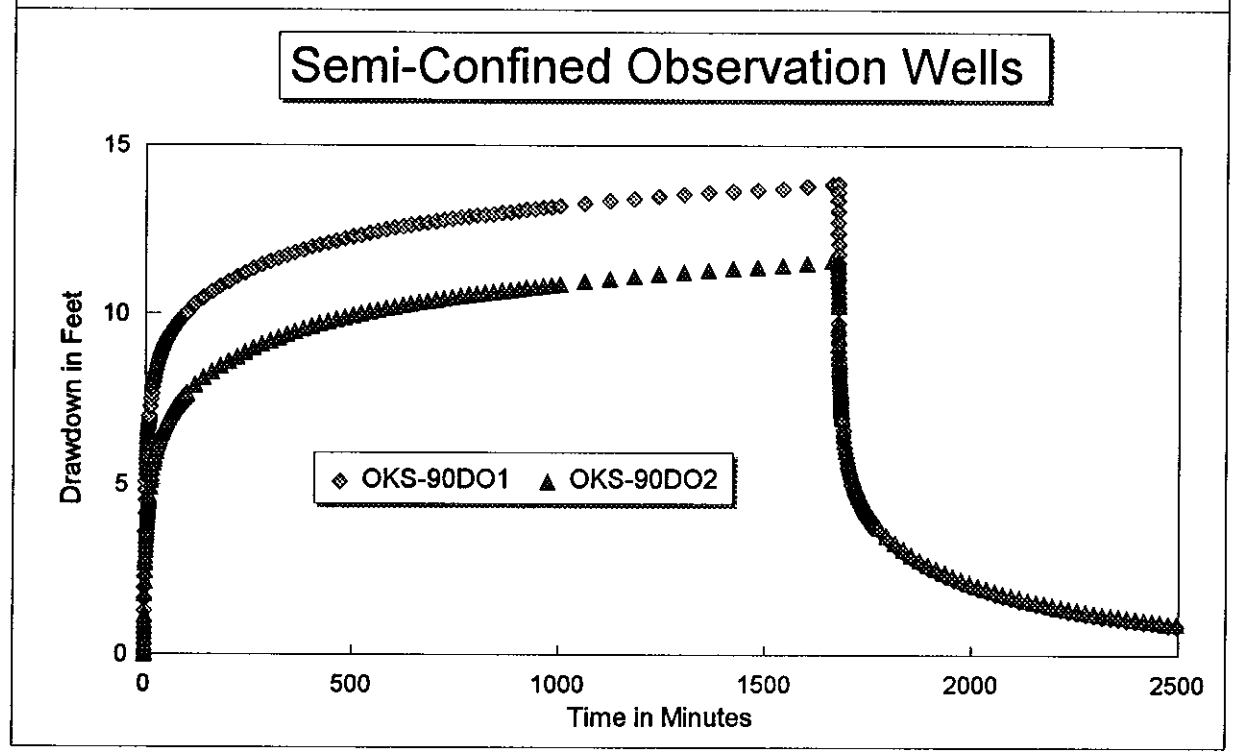
PROJECT DATA:
test date: March 14-16, 1994
test well: OKS-90P1
obs. well: OKS-90D02

TEST DATA:
Q = 80. gal/min
r = 70. ft
r_c = 0.25 ft
r_w = 0.33 ft
b = 30. ft

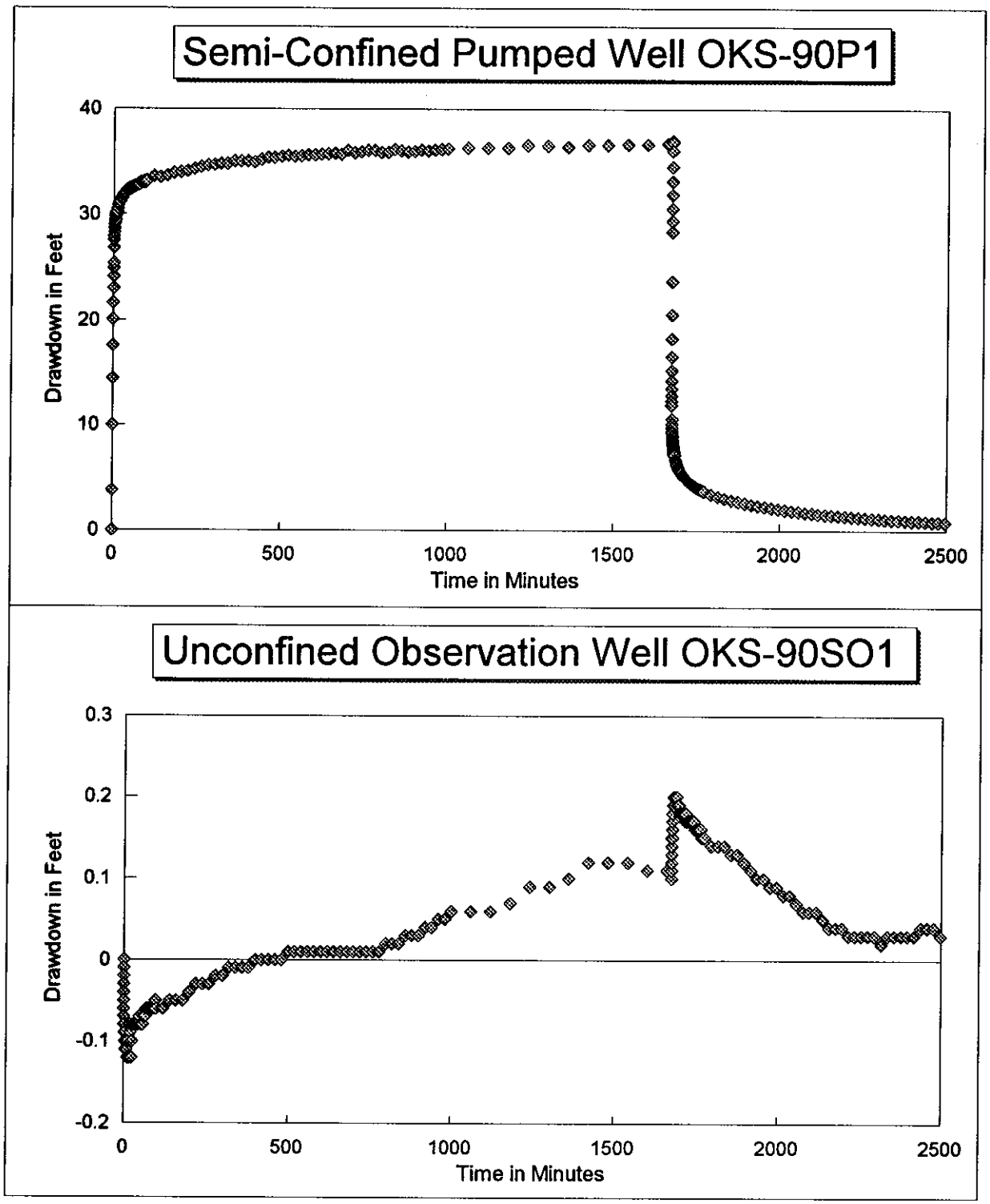
PARAMETER ESTIMATES:
T = 5331.3 gal/day/ft
S = 0.0001481
Sy = 0.001
β = 0.001

AQTESOLV





APT SITE OKS-90, MIDDLE SAS PRODUCTION ZONE



APT SITE OKS-90, MIDDLE SAS PRODUCTION ZONE