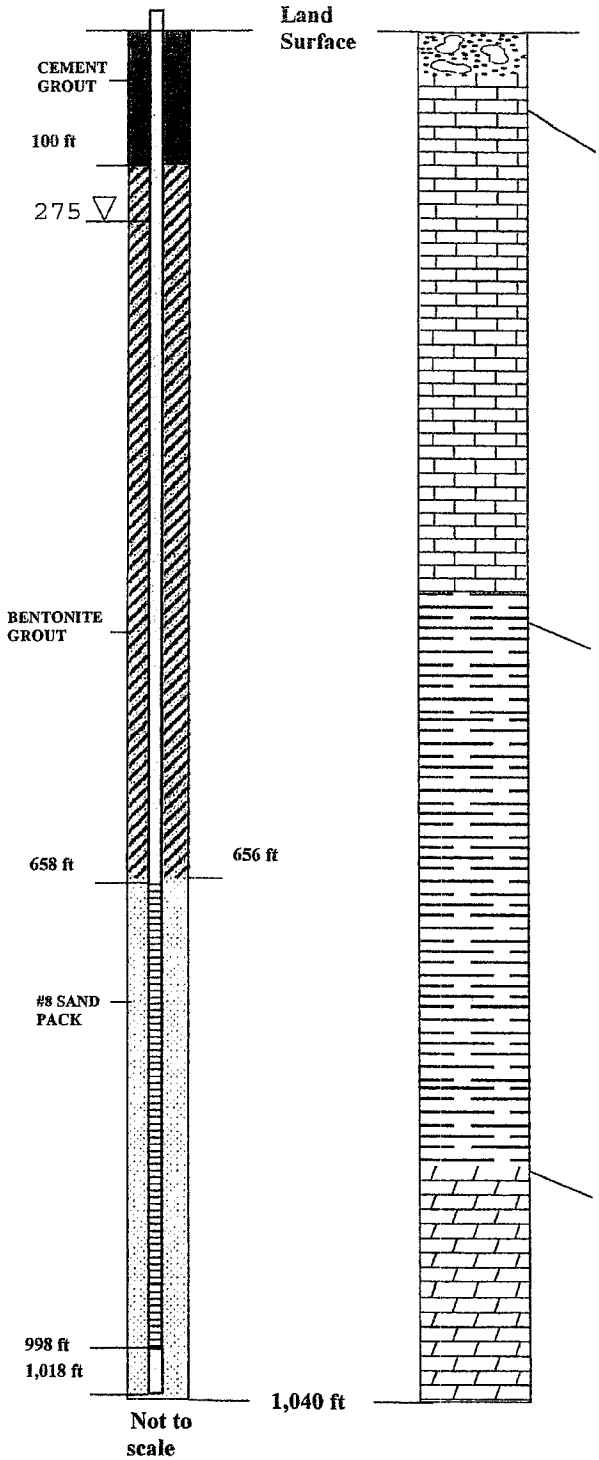
SUMMARY COMPLETION LOG FOR RWX—214 MW



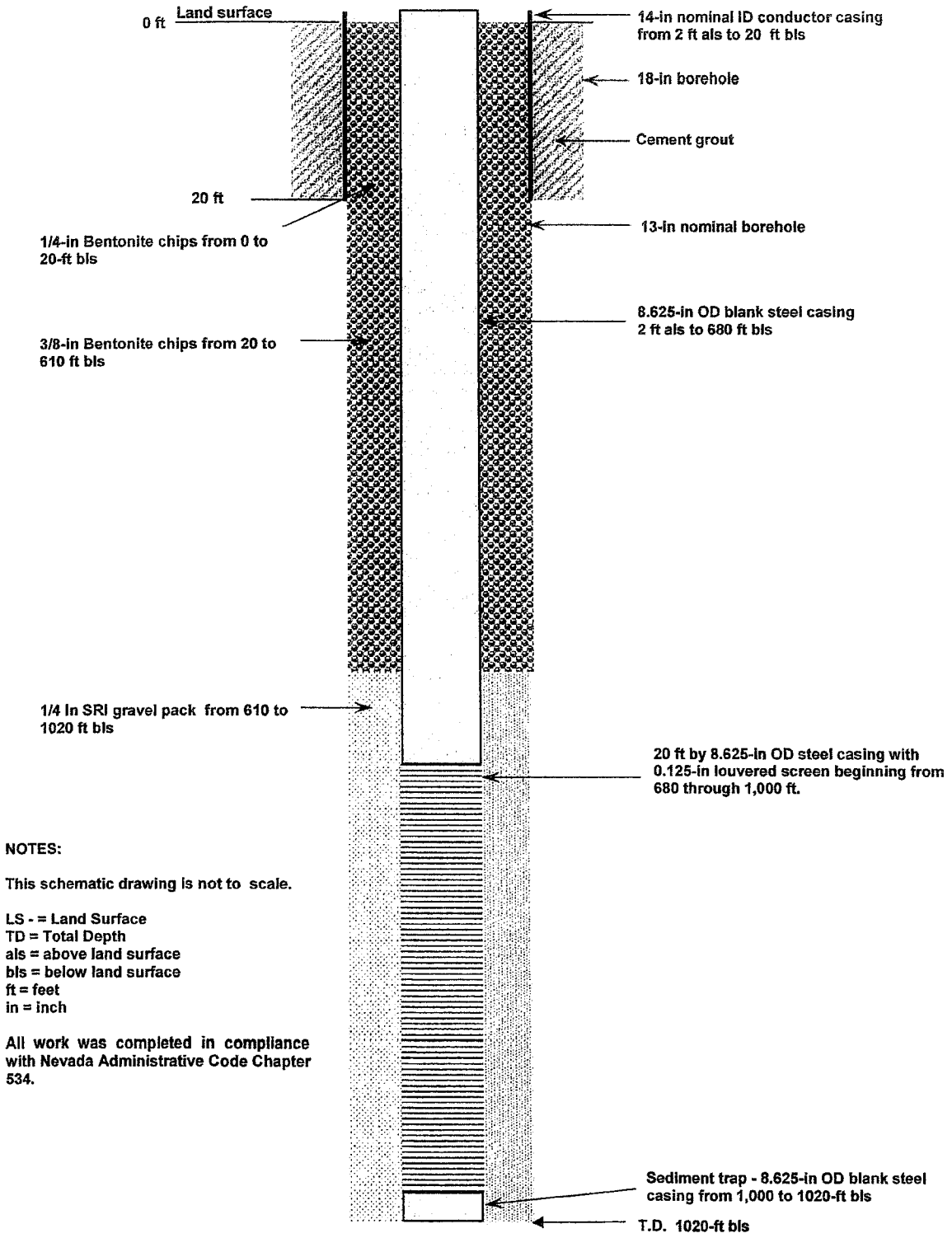
0.0 to 25 ft ALLUVIUM - Sandy gravel, with boulders, caliche and yellow clay

25 to 365 ft LIMESTONE - Color ranges from olive to dark gray, intermittent fractures are filled with calcite, exhibits a strong acid reaction. Brachiopod fossils observed at 310 ft. Trace clay observed near the contact at 365 ft.

365 to 840 ft - ARGILITIC MUDSTONE - Color ranges from dark gray to black, Grades from calcitic to siliceous with depth. Hardness increases from 5-6 with depth, corresponding with the increased silica content. Mudstone is characterized by calcite filled fracture surfaces throughout. First sustainable water was encountered at 385 ft. The airlifted flow rate increased from approximately 8 gpm to 50 gpm at 700 ft.

840 to 1,000 ft - DOLOMITE - Color is predominantly dark gray, with fractures at 850 ft, and a brecciated zone from 919 to 933 ft. The rock chips exhibit a weak HCl reaction. The maximum airlifted flow rate of 100 gpm was measured at 920 ft.

SCHEMATIC WELL COMPLETION DRAWING FOR TEST WELL 214T



NOTES:

This schematic drawing is not to scale.

LS - = Land Surface
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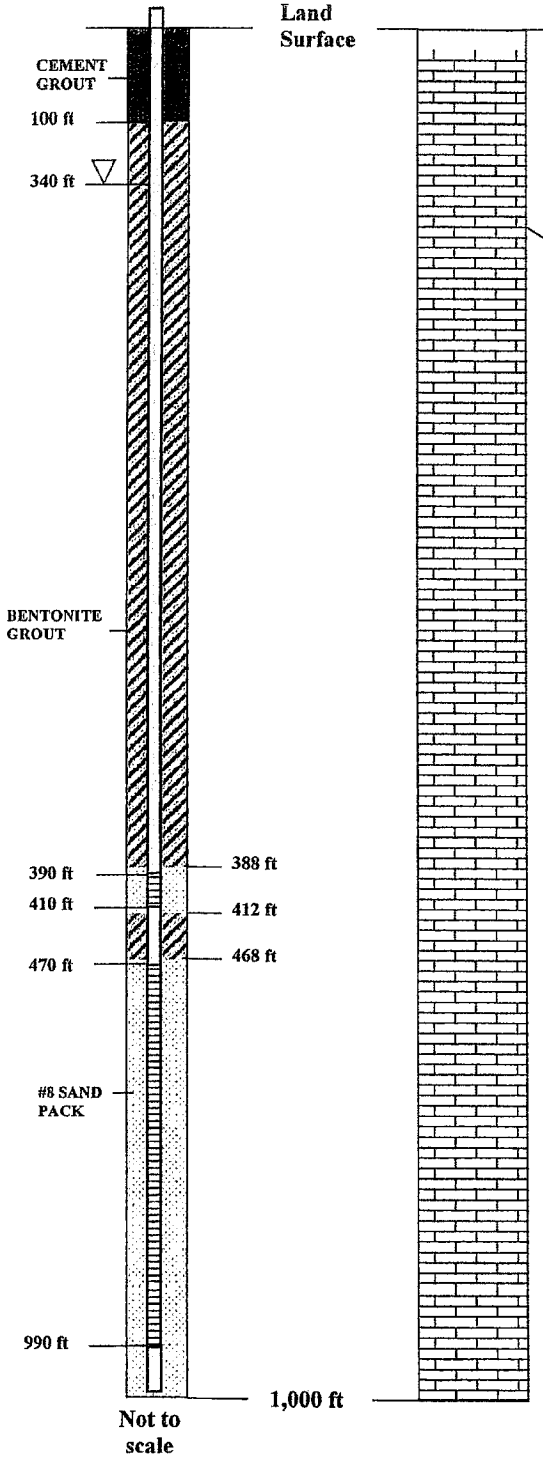
bls = below land surface
ft = feet
in = inch

All work was completed in compliance with Nevada Administrative Code Chapter 534.

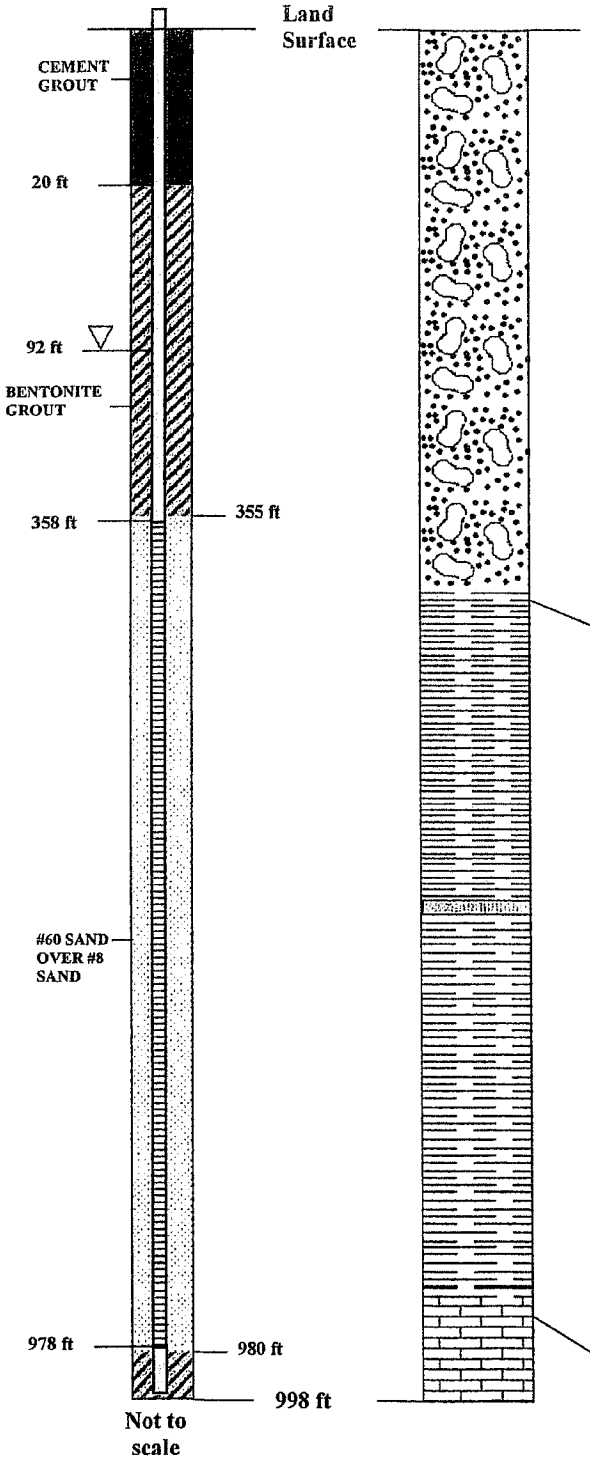
SUMMARY COMPLETION LOG FOR RWX—215 MW



0.0 to 150 ft WEATHERED LIMESTONE– Color is predominantly light to medium gray, with a light tan zone from 135 to 145 ft bls. Secondary calcite filled veinlets occur from 75 to 80 ft and at 105 ft bls. Rock chips display a moderate to strong acid reaction, depending on the relative volume of calcite crystals..

150 to 1,000 ft LIMESTONE - Color is predominantly medium to dark gray, with intermittent reddish brown oxidized zones beginning at 305 to 910 ft bls. Intermittent layers of breccia, clay and subrounded to subangular clastic limestone chips indicate a possible fault zone from 655 to 870 ft bls. This zone is characterized by iron staining, thin clay layers, secondary calcite as vein fill and minor chert layers. First sustainable water was encountered at 465 ft. Airlifted discharge rates increased steadily from 33 gallons per minute at 560 ft up to 97 gallons per minute at 940 ft bls.

SUMMARY COMPLETION LOG FOR RWX—219 MW

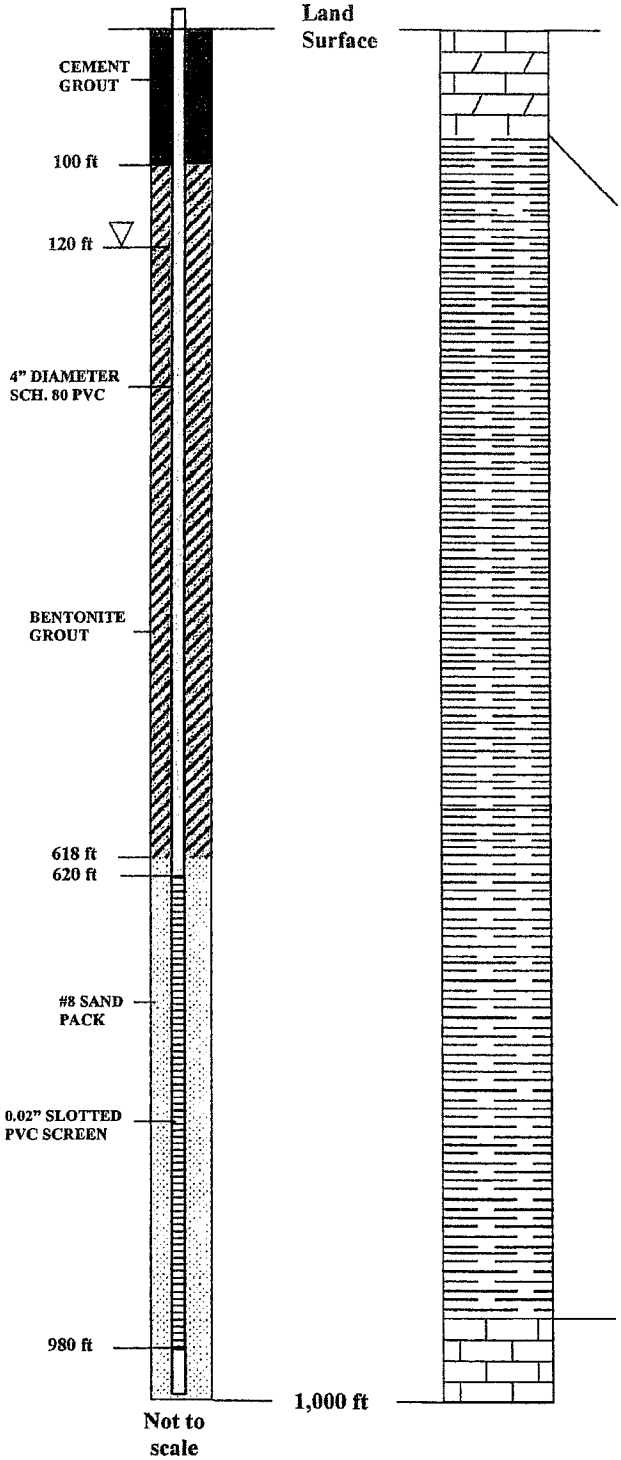


0.0 to 405 ft SAND AND GRAVEL– Stratified layers of clayey and gravelly sands. Clasts are of multiple origin, but predominately of argilic mudstone. First sustainable water was encountered at 325 ft bls.

405 to 960 ft ARGILIC MUDSTONE - Light to dark gray in color. Cement grades from calcitic to siliceous with depth. Hardness increases from 5-6 with depth, corresponding with the increased silica content. Mudstone is characterized by calcite filled fracture surfaces throughout. A bluish gray clay layer occurs from 645 to 665 ft bls. Trace sulfides occur intermittently from 700 to 960 ft bls. Maximum airlifted discharge was measured at 40 gallons per minute at 800 and 960 ft bls.

960 to 1,000 ft - LIMESTONE - Light to medium gray, fine grained siliceous limestone, characterized by calcite filled fracture surfaces. Rock chips exhibit a moderate to strong acid reaction.

SUMMARY COMPLETION LOG FOR RWX—220 MW

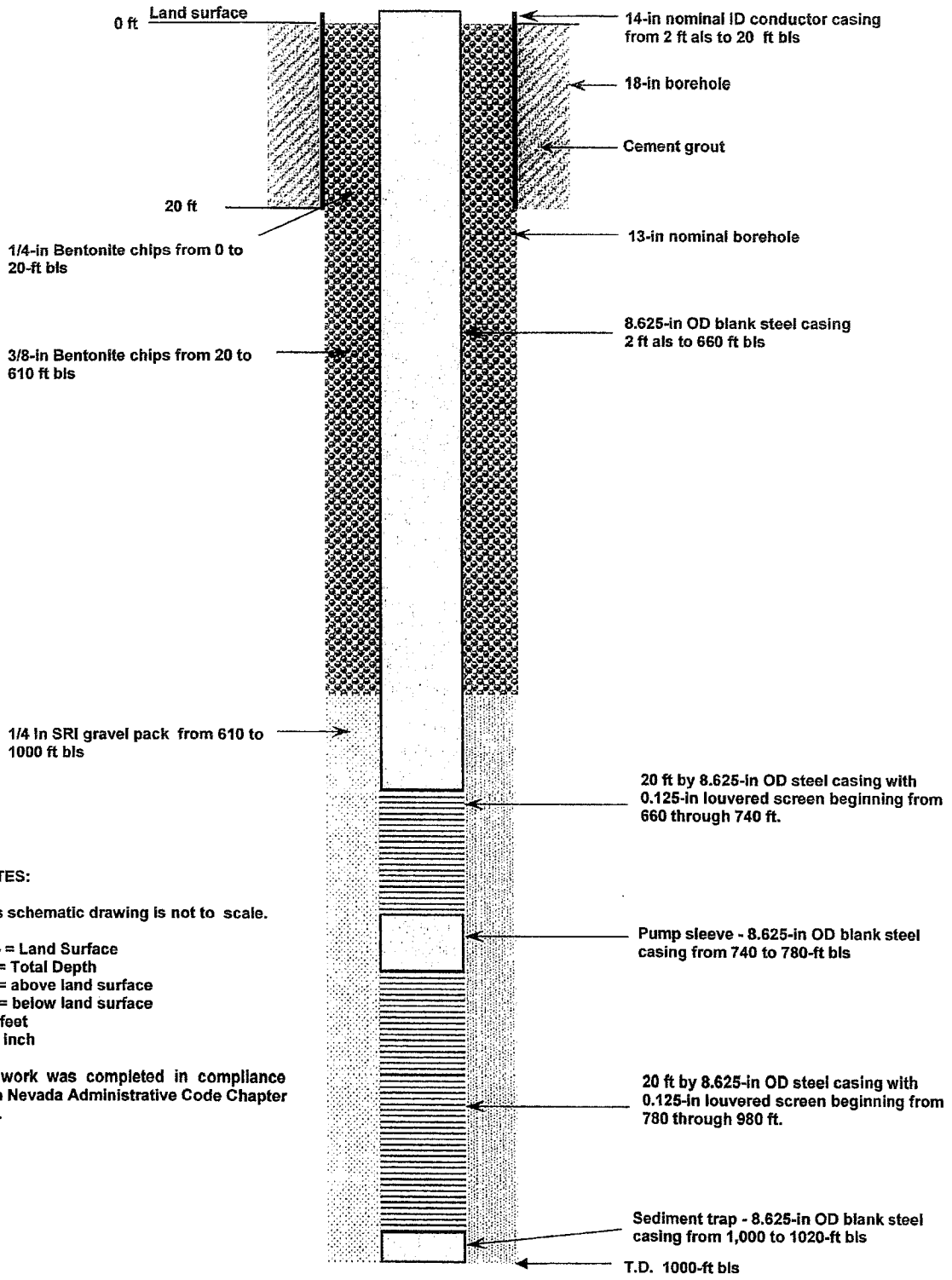


0.0 to 55 ft - INTERBEDDED LIMESTONE AND CALCAREOUS MUDSTONE - Color of sediments is variable including brown, reddish brown, tan and white. Rock chips display moderate to strong acid reaction.

55 to 950 ft - ARGILITIC MUDSTONE - Color ranges from dark gray to black, Grades from calcitic to siliceous with depth. Hardness increases from 5-6 with depth, corresponding with the increased silica content. Mudstone is characterized by calcite filled fracture surfaces throughout. Secondary mineralization occurs as sulfide coatings in fracture zones at 560 ft, 610-640 ft, 900 ft, and 970 ft. First sustainable water was encountered at 635 ft. The maximum airlifted flow rate of 176 gpm was measured at 980 ft. The basal contact is sharp with the underlying limestone.

950 to 1,000 ft (TD) LIMESTONE – Massive, micritic limestone from 950 to 1,000 ft. Strong acid reaction.

SCHEMATIC WELL COMPLETION DRAWING FOR TEST WELL 220T



NOTES:

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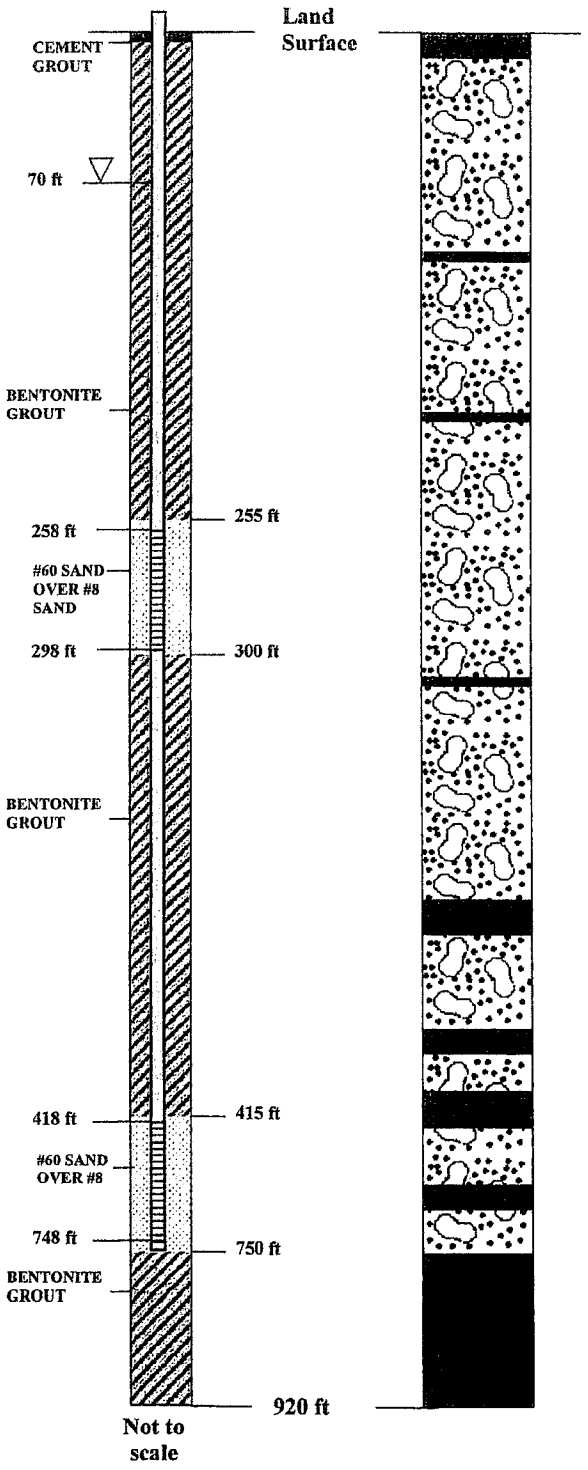
in = inch

All work was completed in compliance with Nevada Administrative Code Chapter 534.

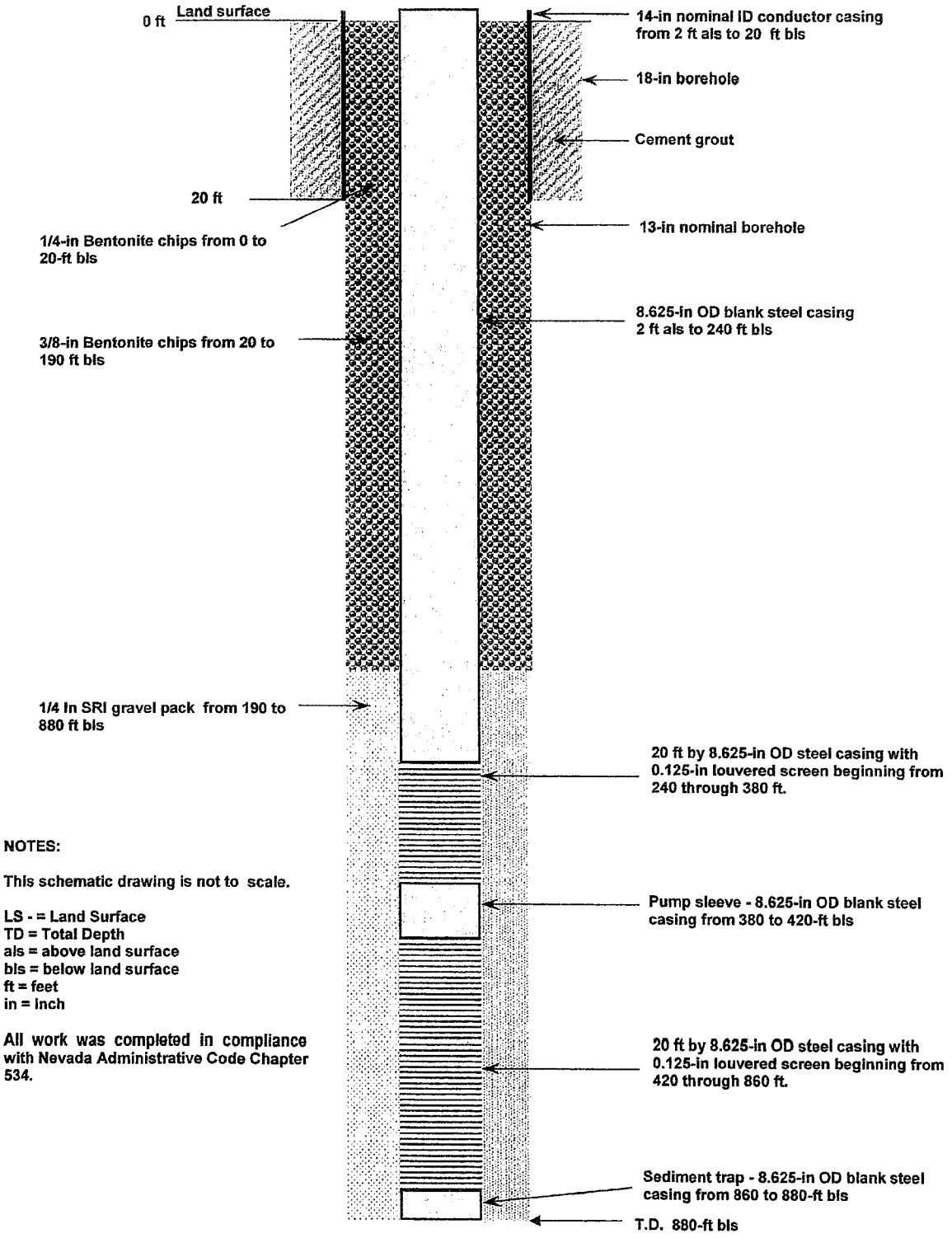
SUMMARY COMPLETION LOG FOR RWX—222 MW



0.0 to 750 ft SAND AND GRAVEL– alluvium with sand, gravel and clay. Gravels are subrounded to angular ranging in up to 50 mm in diameter. The sand is coarse grained. The clay is fat and from medium to high plasticity. Gravel and sand zones at 250'-305', 333'-345, 365'-385', 420'-650', and 670'-680' are interbedded with or separated by distinctive clay layers between 1' and 30' thick. The most distinctive and thickest clay zones are between 305'-333', 350'-365', 385'-420',and 650'-670'. First sustainable water was encountered at 160 ft bls. Airlifted groundwater discharge rates increased to over 100 gallons per minute beginning at 440 ft bls. The maximum airlifted discharge of 257 gallons per minute was measured at 760 through 820 ft bls.

750 to 920 ft CLAY– fat clay throughout with few thin intermittent sand and gravel layers.

SCHEMATIC WELL COMPLETION DRAWING FOR TEST WELL 222T



NOTES:

This schematic drawing is not to scale.

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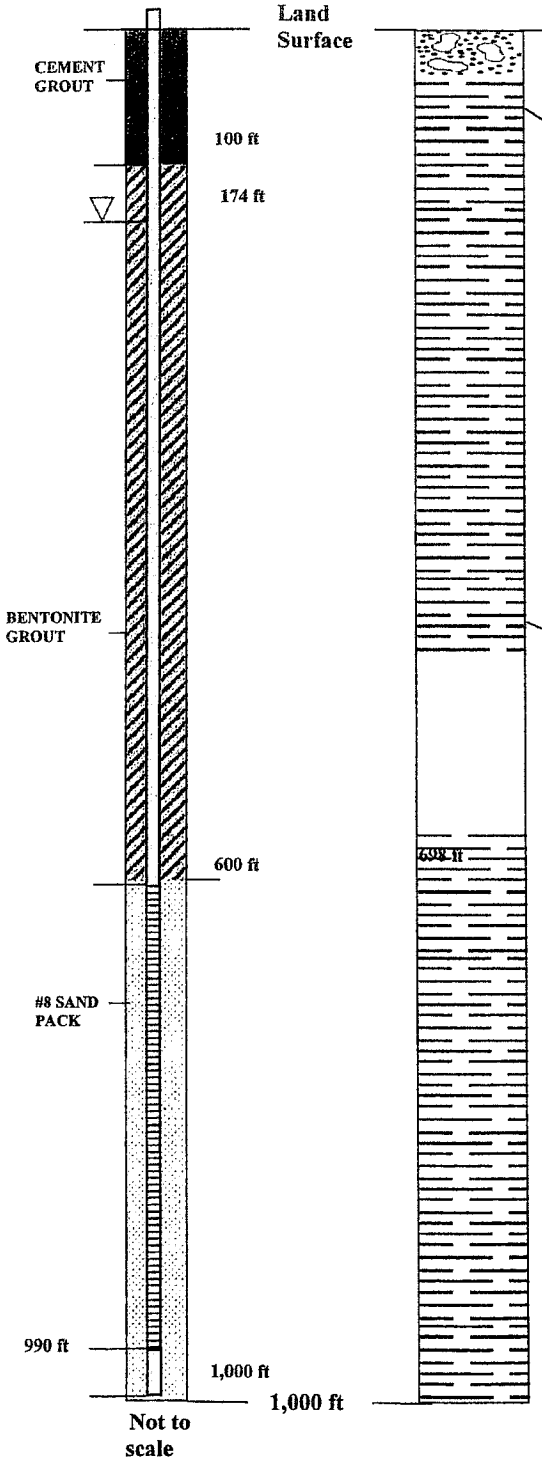
als = above land surface
bls = below land surface
ft = feet
in = inch

All work was completed in compliance with Nevada Administrative Code Chapter 534.

001899

SUMMARY COMPLETION LOG FOR RWX—223 MW

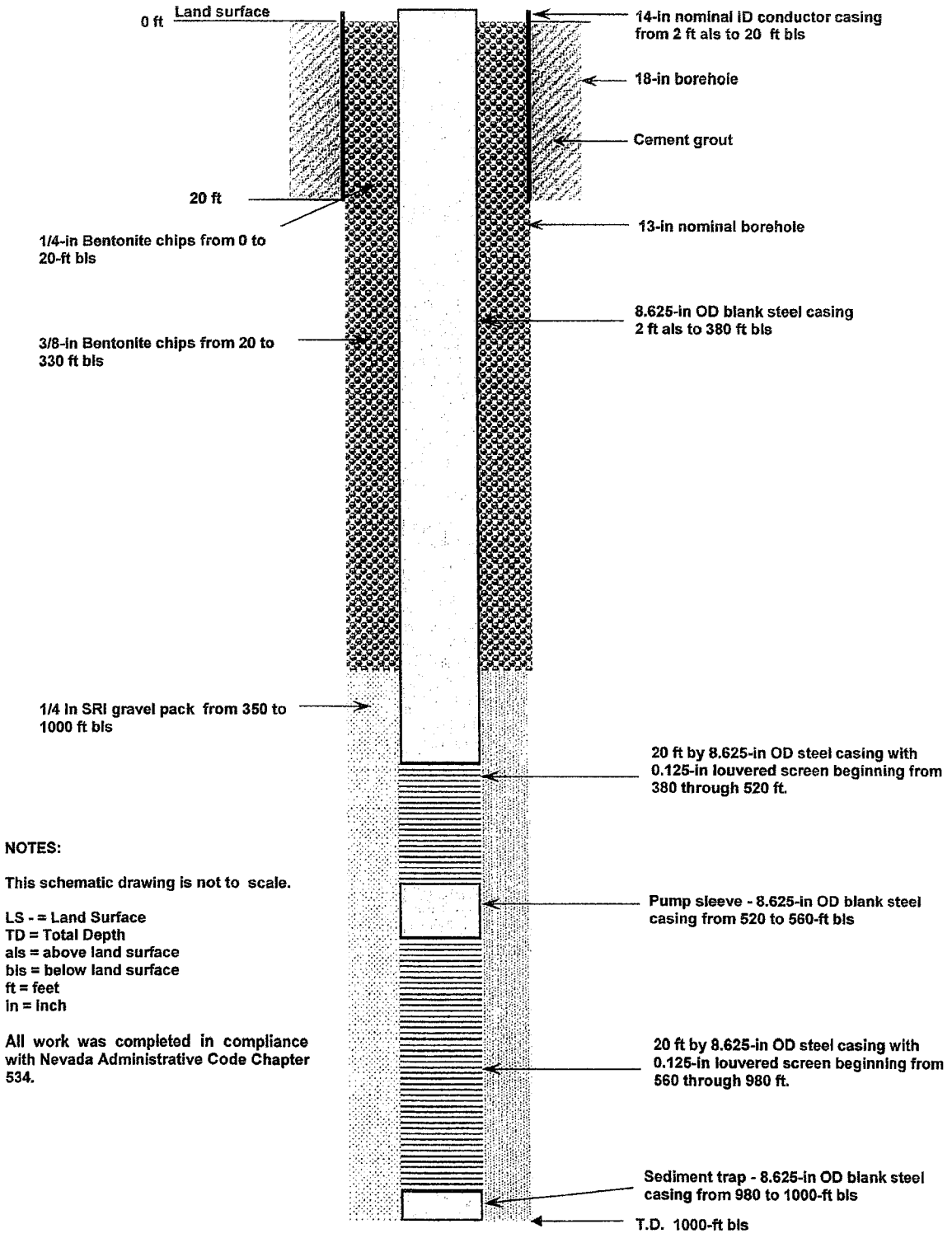


0.0 to 25 ft ALLUVIUM - Sandy gravel, with boulders, caliche and yellow clay

25 to 340 ft WEATHERED MUDSTONE - Color ranges from olive to dark gray, intermittent fractures are filled with calcite. Rock chips exhibit a weak acid reaction.

340 to 1000 ft - ARGILITIC MUDSTONE - Color ranges from dark gray to black. A distinctive red clay layer was encountered from 220 to 245 ft. Occasional thin interbedded clay layers were encountered above 305 ft. The mudstone grades from calcitic to siliceous with depth. Mudstone is characterized by calcite filled fracture surfaces throughout. First sustainable water was encountered at 320 ft. The maximum airlifted flow rate of XXX gallons per minute was measured at XXX ft.

SCHEMATIC WELL COMPLETION DRAWING FOR TEST WELL 223T



NOTES:

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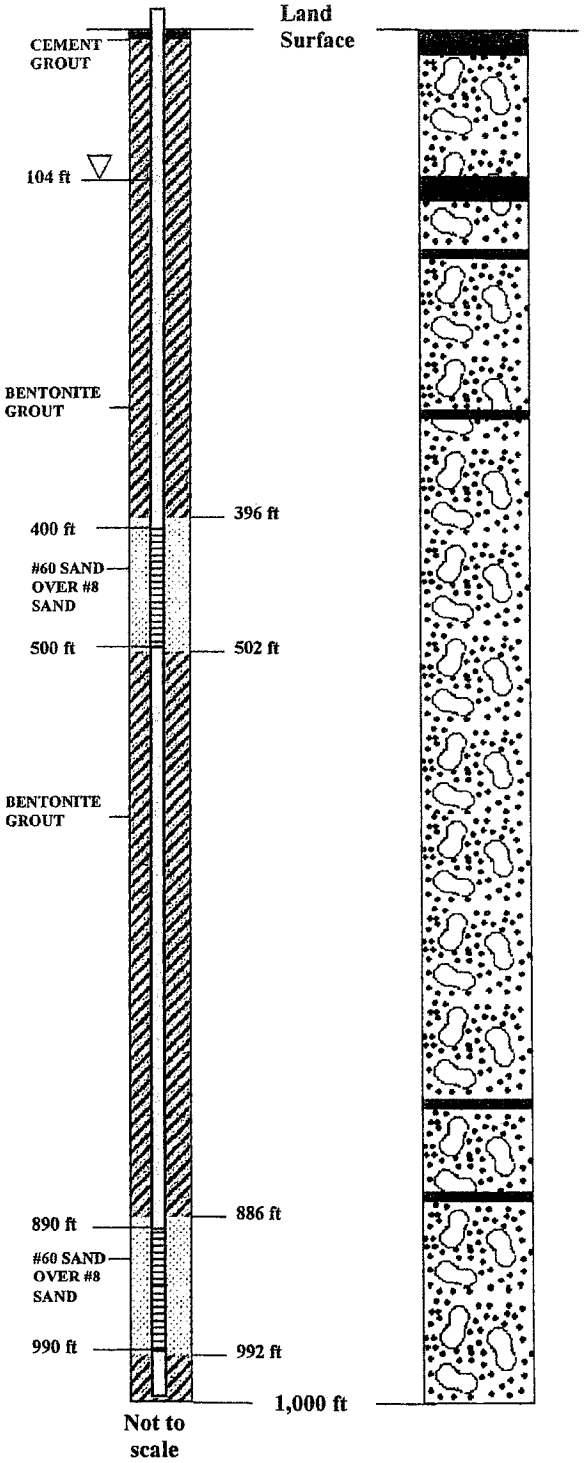
bls = below land surface
ft = feet
in = inch

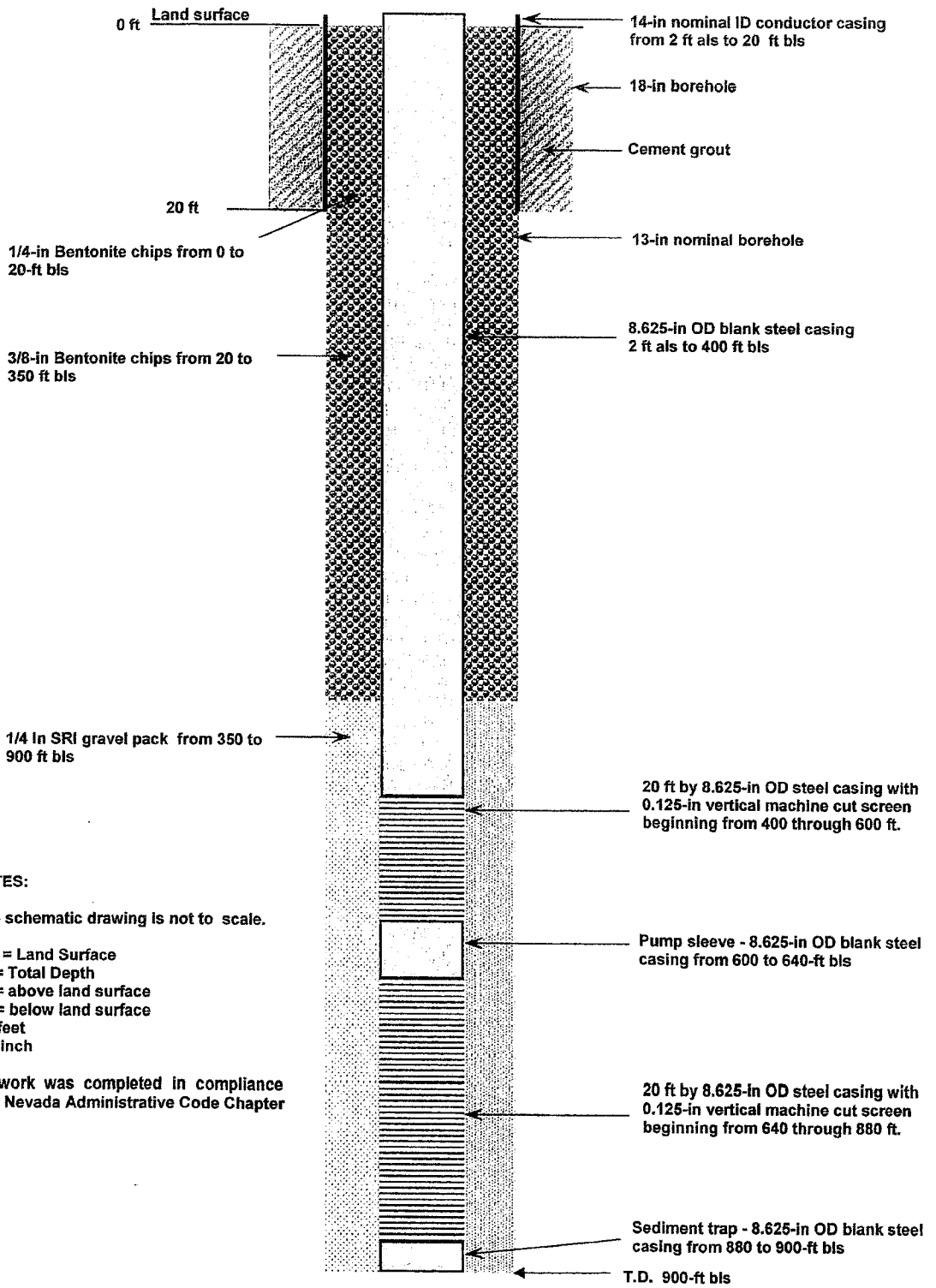
All work was completed in compliance with Nevada Administrative Code Chapter 534.

SUMMARY COMPLETION LOG FOR RWX—228 MW



0.0 to 1,000 ft SAND AND GRAVEL– Stratified layers of clayey and gravelly sands. Clasts are of multiple origin, including limestone, mudstone and chert. Clay layers occur from 0 to 20 ft, 100 to 120 ft, 145 to 150 ft, 260 to 265 ft, 736 to 737 ft and 795 to 797 ft bls. First sustainable water was encountered at 320 ft bls. Airlifted groundwater discharge rates increased to over 100 gallons per minute beginning at 620 ft bls and continuing to the total depth of the borehole. The maximum airlifted discharge was measured at 150 gallons per minute at 860 ft bls.

SCHEMATIC WELL COMPLETION DRAWING FOR TEST WELL 228T



NOTES:

This schematic drawing is not to scale.

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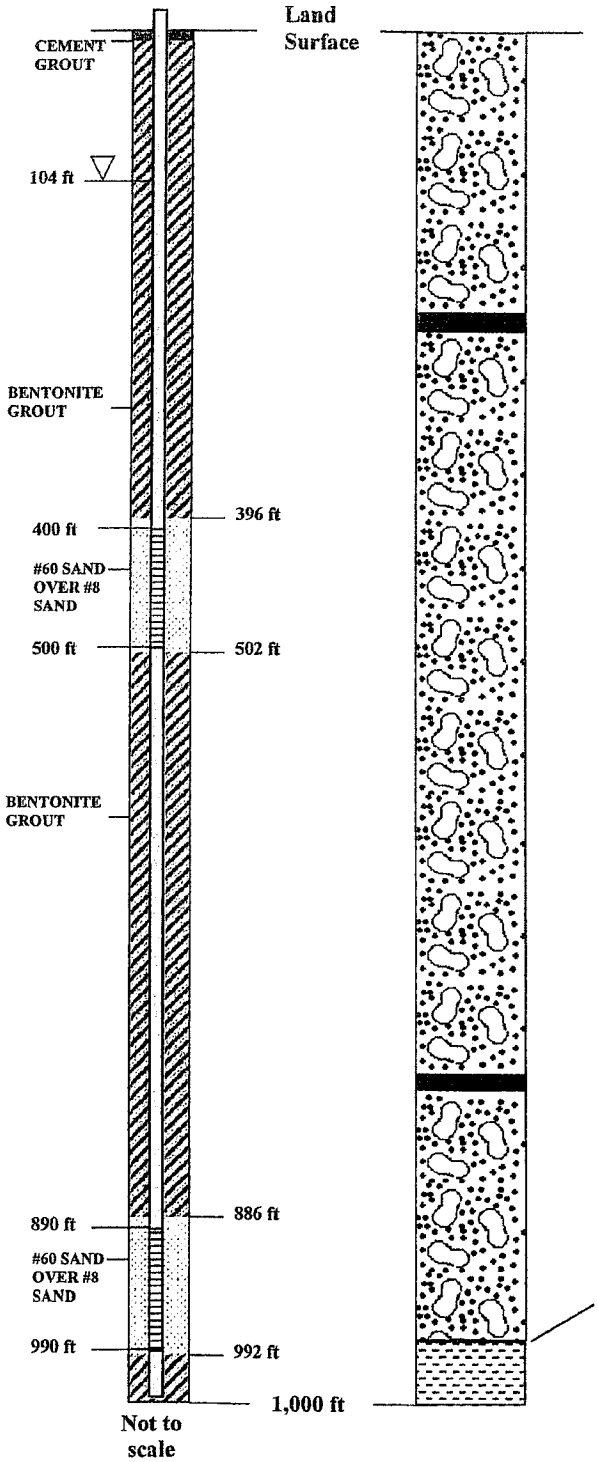
bls = below land surface
ft = feet
in = inch

All work was completed in compliance with Nevada Administrative Code Chapter 534.

001903

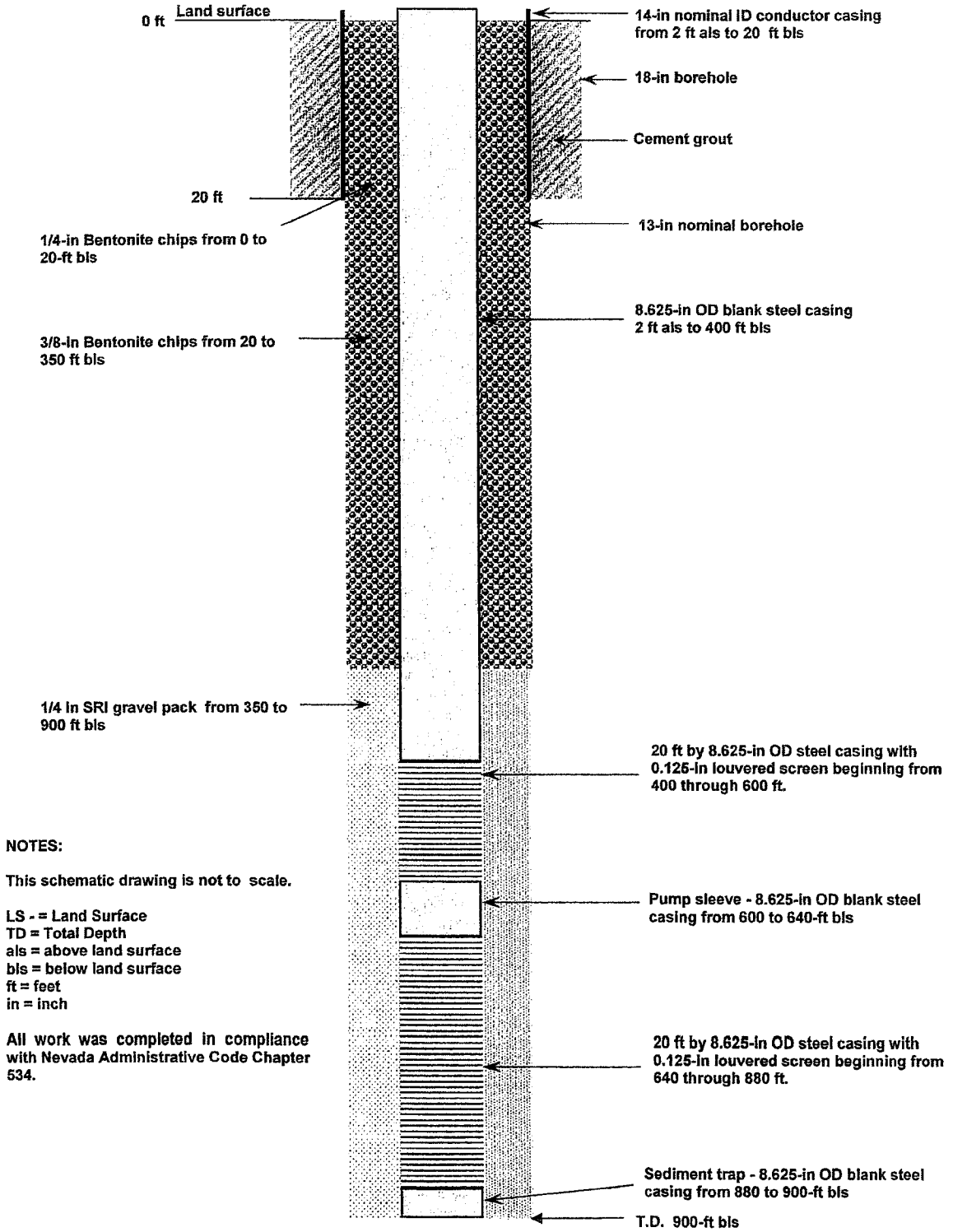
SUMMARY COMPLETION LOG FOR RWX—229 MW



0.0 to 970 ft SAND AND GRAVEL– Stratified layers of clayey and gravelly sands. Clasts are of multiple origin. Clay layers occur at 260 to 280 ft, and 720 to 740 ft bls. First sustainable water was encountered at 360 ft bls. Maximum airlifted discharge was measured at 132 gallons per minute at 860 ft bls.

970 to 1,000 ft - SILTSTONE - Color is gray, with iron staining beginning at 996 ft bls. Rock chips exhibit fine grained siliceous siltstone to fine sandstone.

SCHEMATIC WELL COMPLETION DRAWING FOR TEST WELL 229T



NOTES:

This schematic drawing is not to scale.

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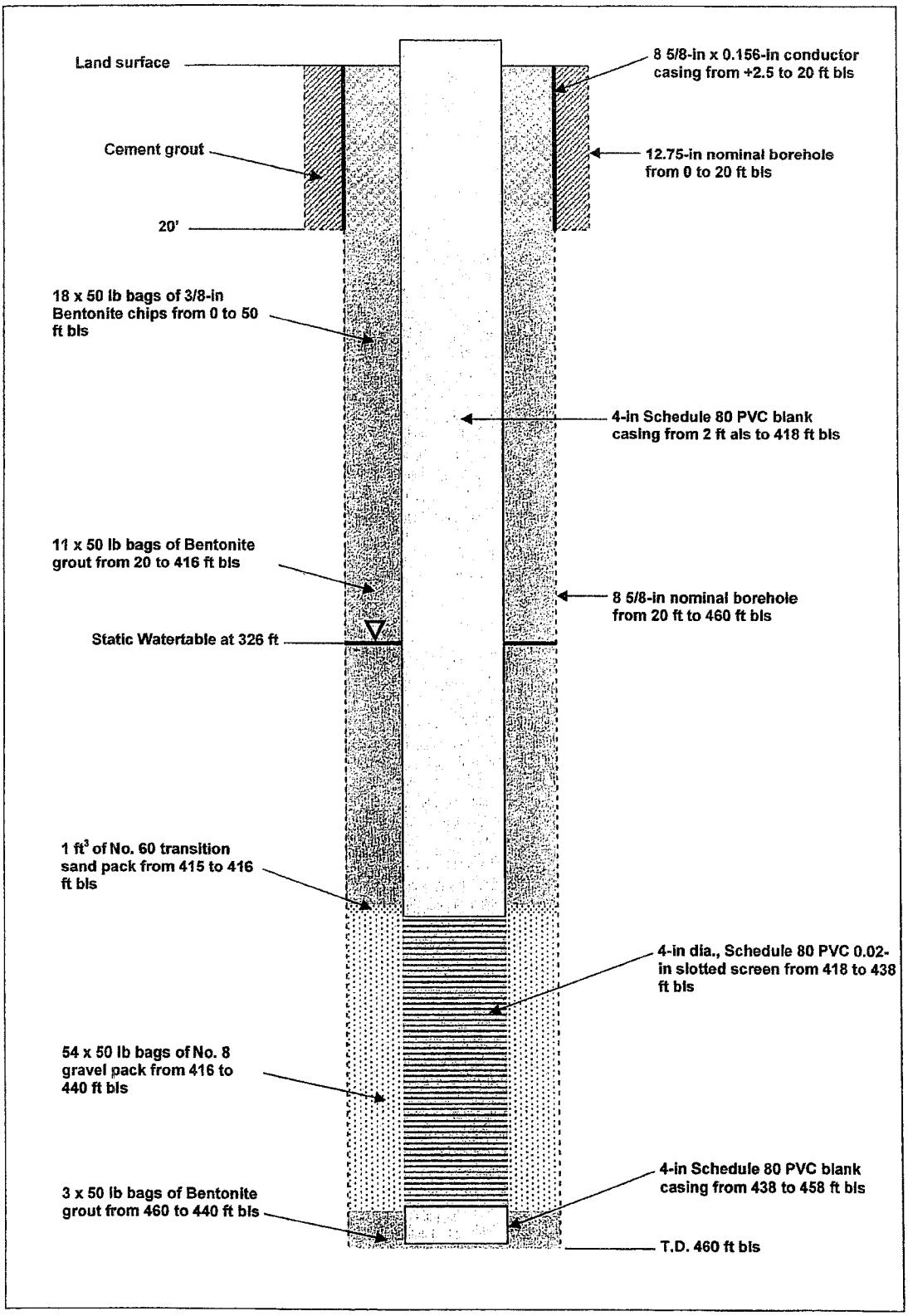
bls = below land surface
ft = feet
in = inch

All work was completed in compliance with Nevada Administrative Code Chapter 534.

001905

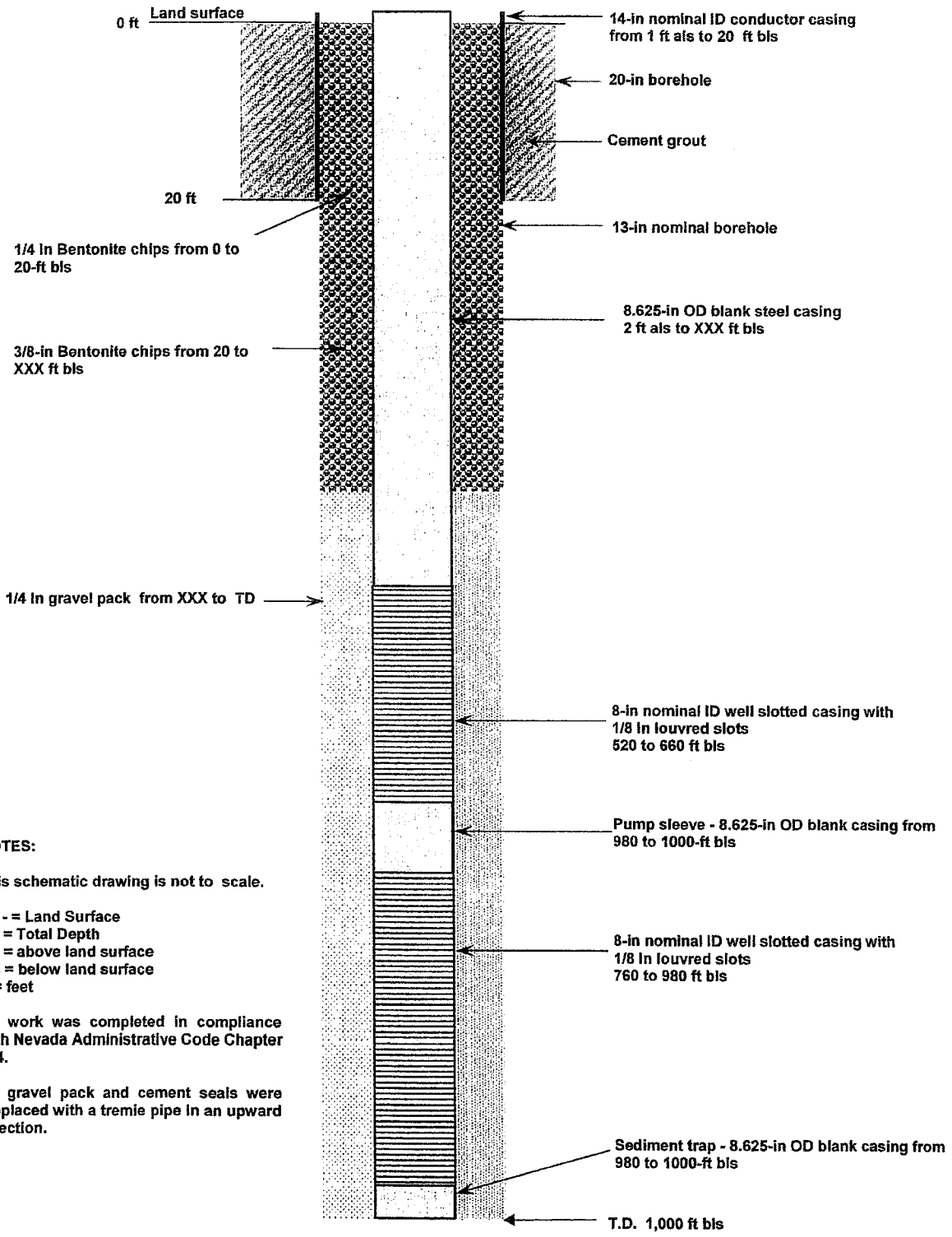
Schematic Well Completion Drawing—235P
(Not to Scale)



001906

JA2072

SCHEMATIC WELL COMPLETION DRAWING FOR TEST WELL TM-B



NOTES:

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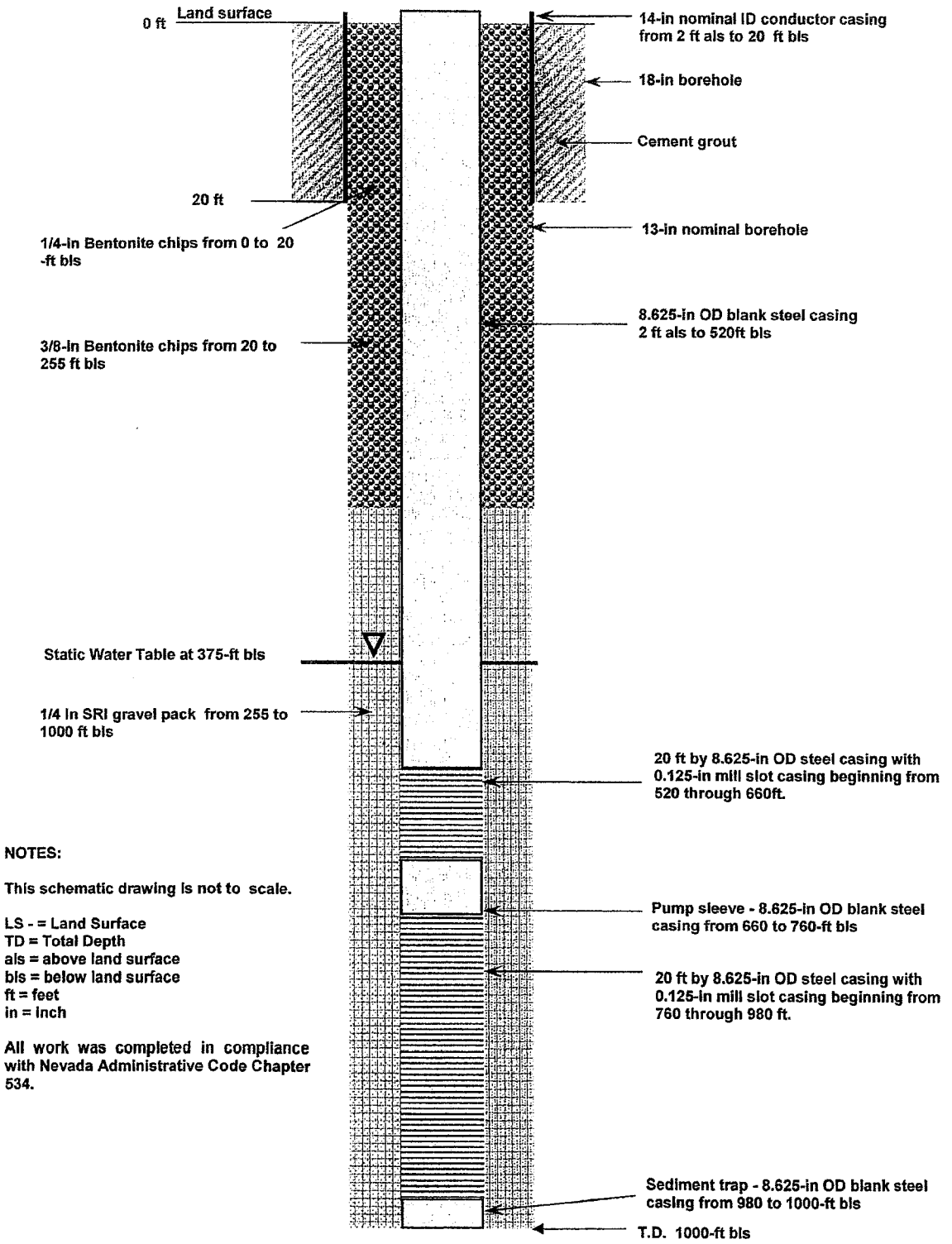
bls = below land surface
ft = feet

All work was completed in compliance with Nevada Administrative Code Chapter 534.

All gravel pack and cement seals were emplaced with a tremie pipe in an upward direction.

001907

SCHEMATIC WELL COMPLETION DRAWING FOR TEST WELL TFX-2



NOTES:

This schematic drawing is not to scale.

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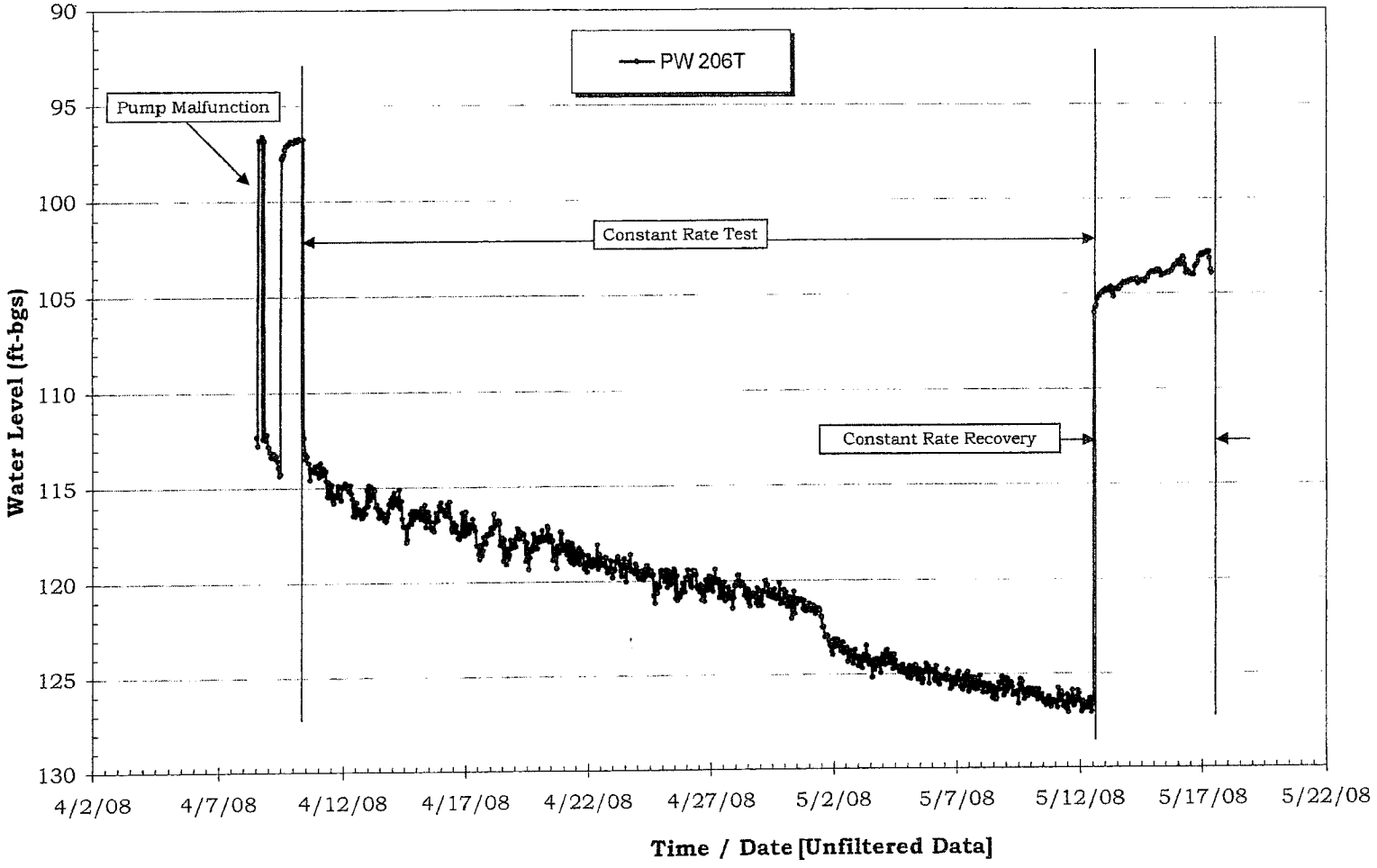
TD = Total Depth
als = above land surface
bls = below land surface
ft = feet
in = inch

All work was completed in compliance with Nevada Administrative Code Chapter 534.

001908

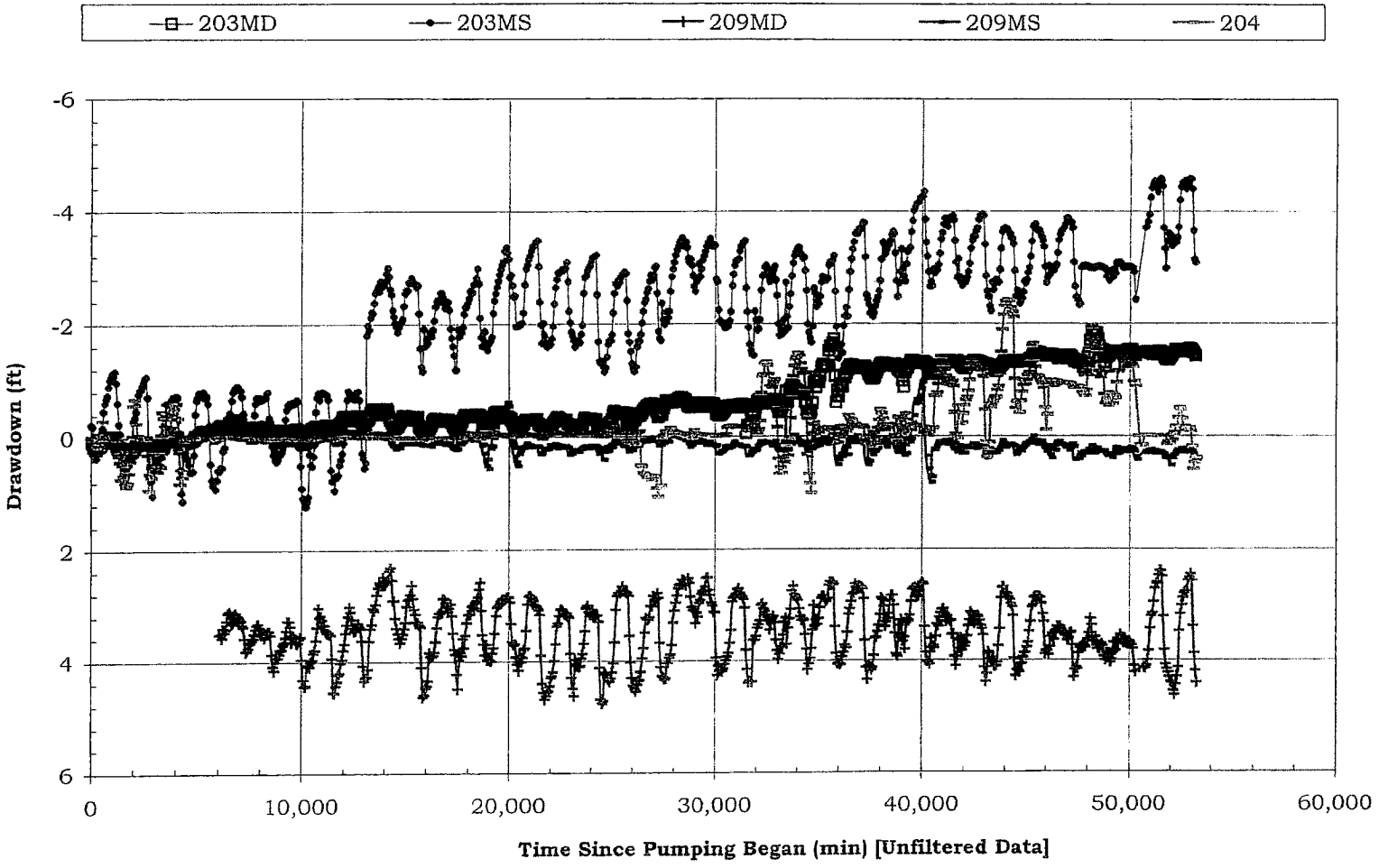
Mt. Hope Project - Eureka, NV

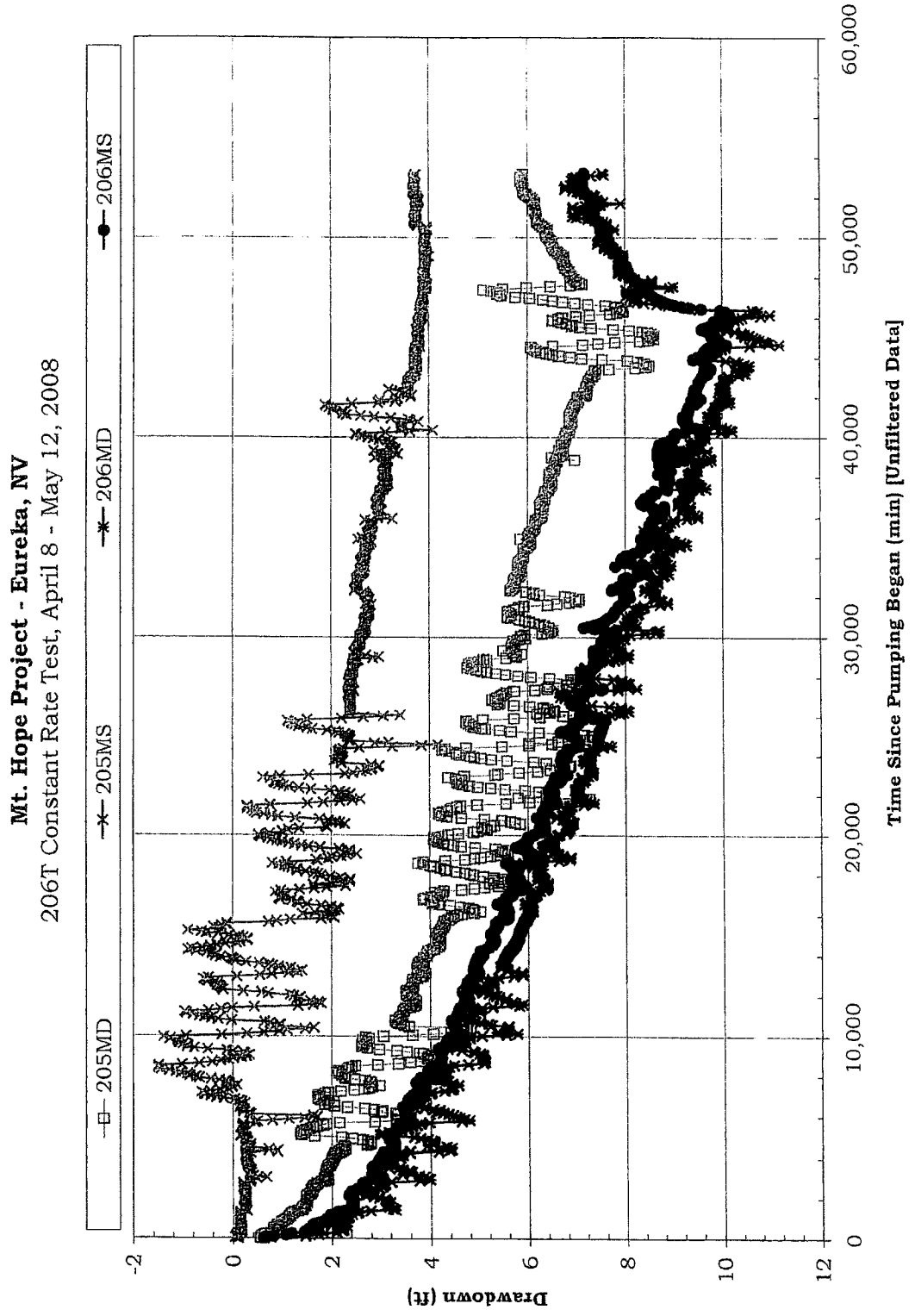
Complete Aquifer Test 4/8/08 - 5/17/08



Mt. Hope Project - Eureka, NV

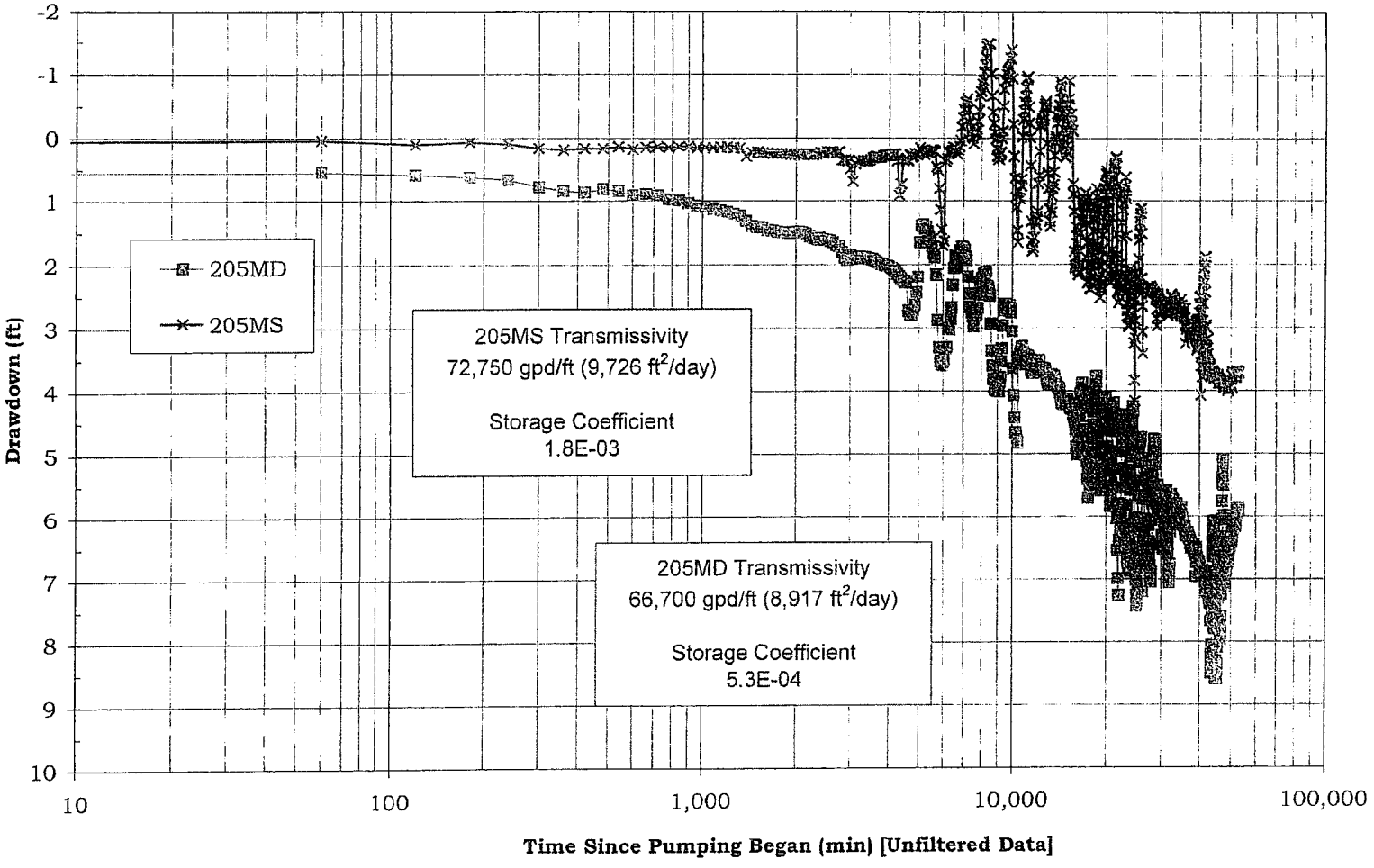
206T Constant Rate Test, April 8 - May 12, 2008




Mt. Hope Project - Eureka, NV
206T Constant Rate Test, April 8 - May 12, 2008
205MD
205MS
206MD
206MS
Drawdown (ft)
-2
0
2
4
6
8
10
12
0
10,000
20,000
30,000
40,000
50,000
60,000
Time Since Pumping Began (min) [Unfiltered Data]

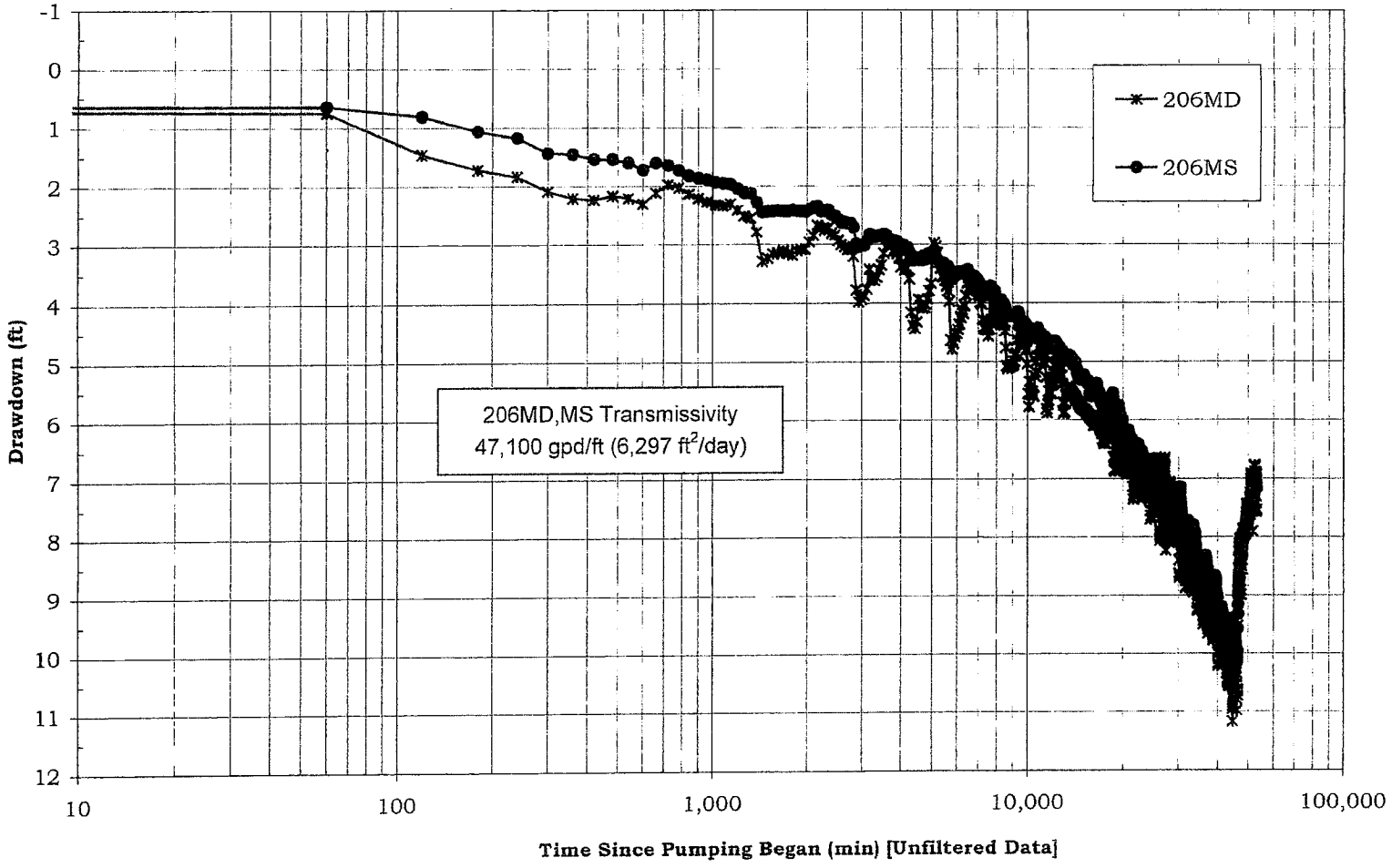
Mt. Hope Project - Eureka, NV

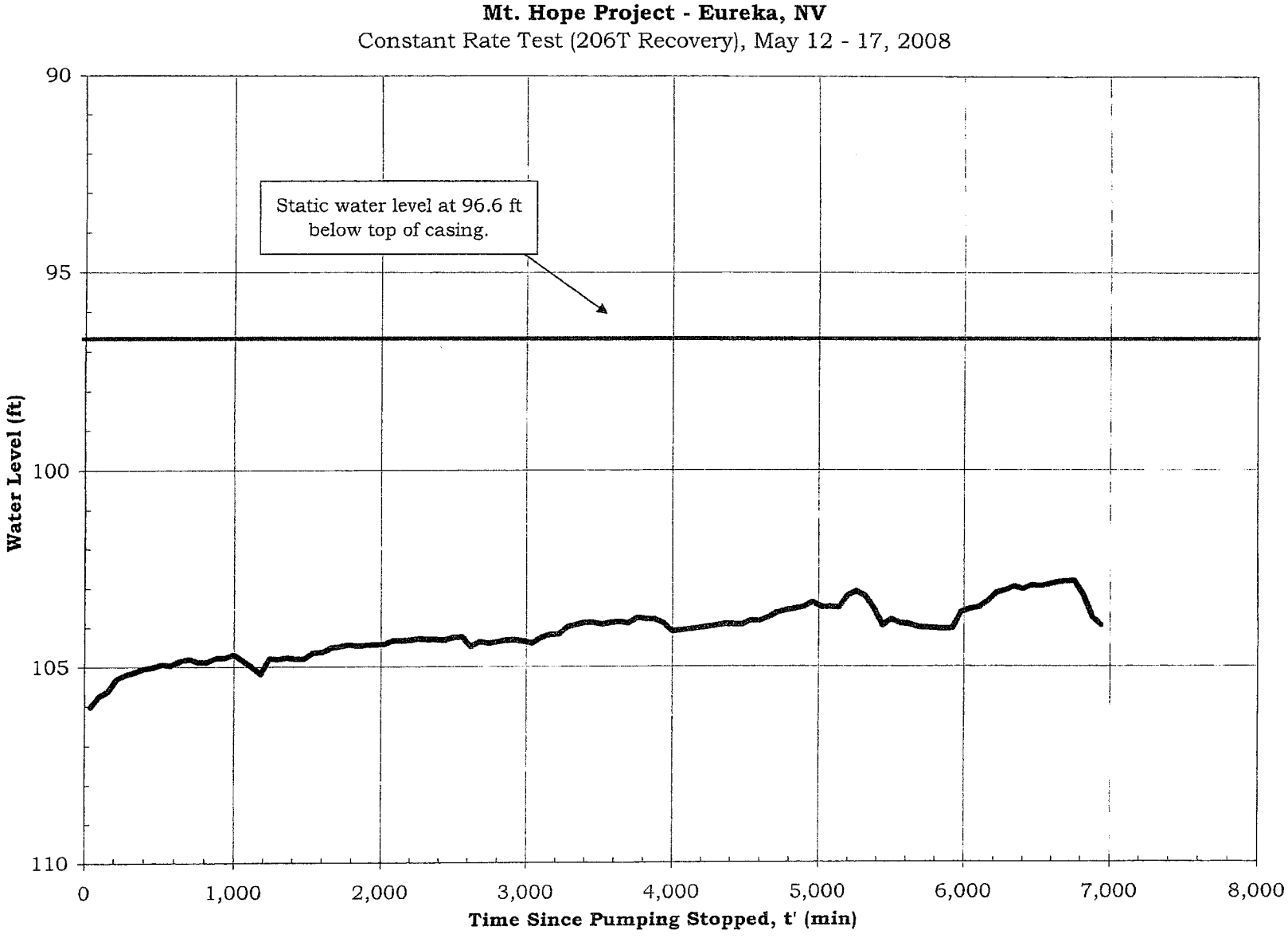
206T Constant Rate Test, April 8 - May 12, 2008

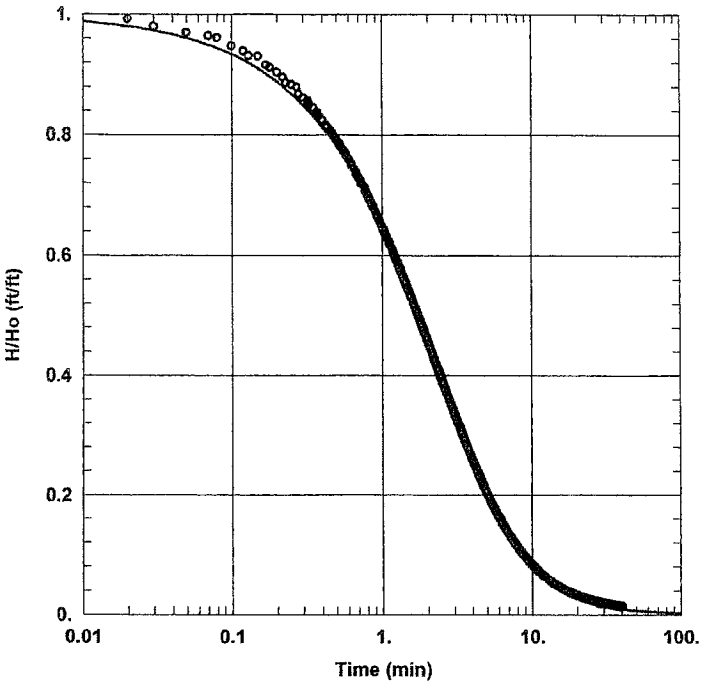


Mt. Hope Project - Eureka, NV

206T Constant Rate Test, April 8 - May 12, 2008




Mt. Hope Project - Eureka, NV
Constant Rate Test (206T Recovery), May 12 - 17, 2008
Static water level at 96.6 ft below top of casing.
Water Level (ft)
90
95
100
105
110
0
1,000
2,000
3,000
4,000
5,000
6,000
7,000
8,000
Time Since Pumping Stopped, t' (min)



FALLING HEAD TEST 203MS

Data Set: \...\203MS Falling Head.aqt
Date: 07/07/09 Time: 10:39:35

PROJECT INFORMATION

Company: Buqo
Client: General Moly
Project: Mount Hope
Location: Kobeh Valley
Test Well: 209MD
Test Date: November 2007

AQUIFER DATA

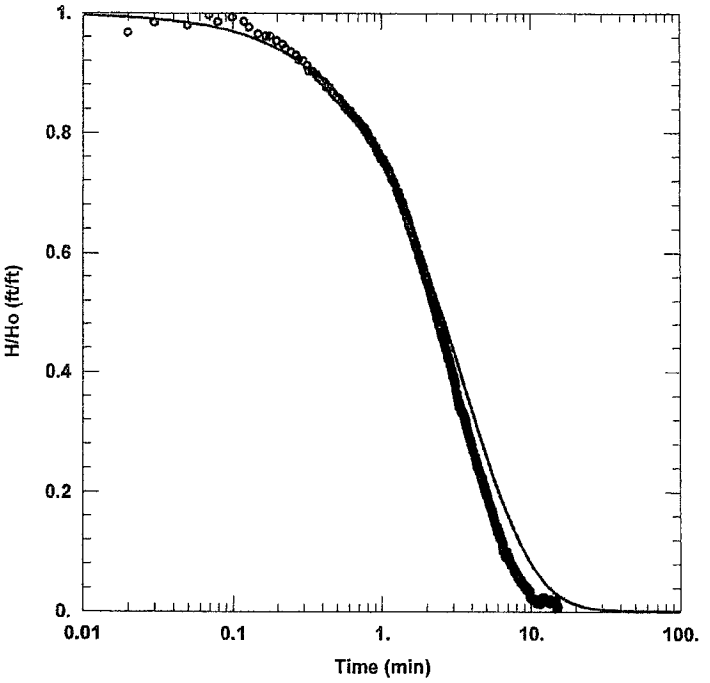
Saturated Thickness: 360. ft

WELL DATA (203MS)

Initial Displacement: 73.79 ft
Total Well Penetration Depth: 82.05 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 82.05 ft
Screen Length: 50. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Confined
Solution Method: KGS Model
Kr = 0.1417 ft/day
Kz/Kr = 0.01
Ss = 2.778E-6 ft^{-1}



WELL TEST ANALYSIS

Data Set: \...\203t Falling Head Early Time.aqt
Date: 07/07/09 Time: 10:41:19

PROJECT INFORMATION

Company: Bugo
Client: General Moly
Project: Falling Head Tests
Location: Kobeh Valley
Test Well: 203T
Test Date: Nov 17 2007

AQUIFER DATA

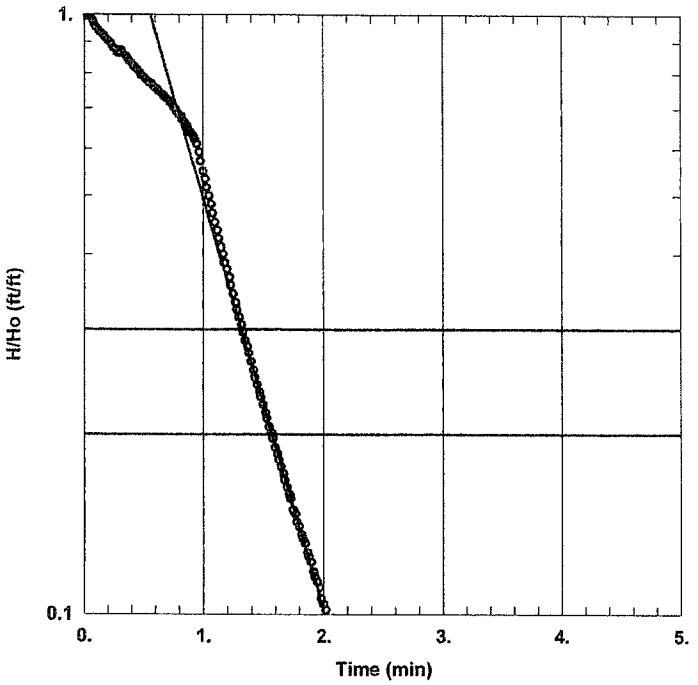
Saturated Thickness: 800. ft

WELL DATA (203T)

Initial Displacement: 26.02 ft
Total Well Penetration Depth: 760. ft
Casing Radius: 0.333 ft
Static Water Column Height: 760. ft
Screen Length: 500. ft
Well Radius: 0.5 ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Confined
Solution Method: KGS Model
Kr = 0.5019 ft/day
Kz/Kr = 0.0001
Ss = 1.25E-13 ft^{-1}



FALLING HEAD TEST 204P

Data Set: Z:\...\204 Falling Head.aqt
Date: 07/07/09 Time: 14:13:52

PROJECT INFORMATION

Company: Bugo
Client: General Moly
Project: Mount Hope
Location: Kobeh Valley
Test Well: 204
Test Date: November 2007

AQUIFER DATA

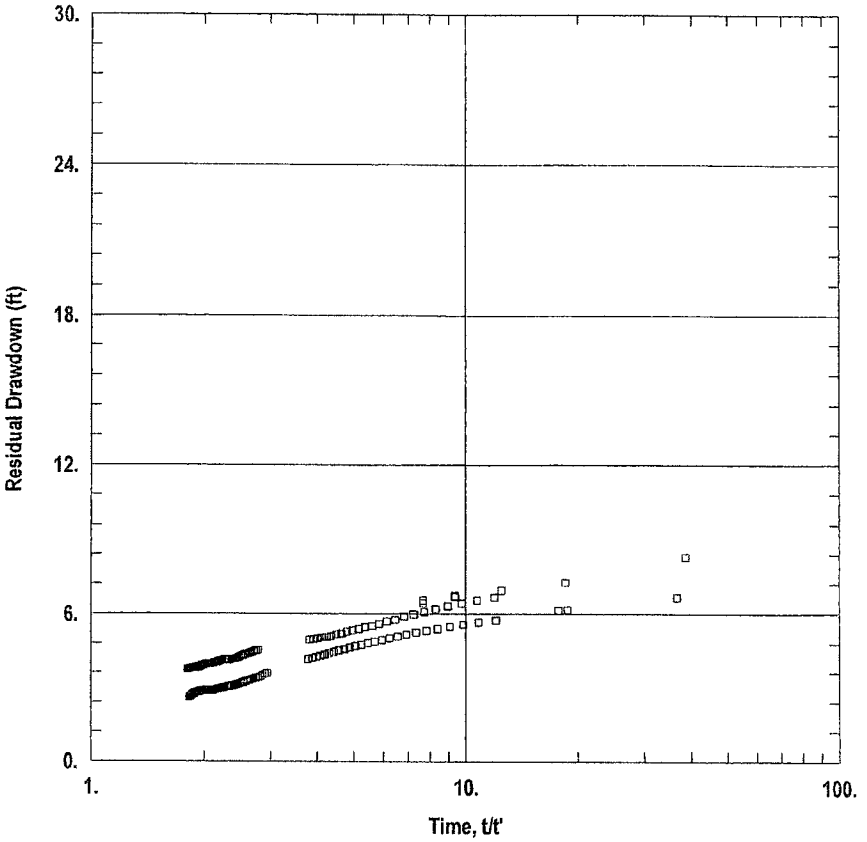
Saturated Thickness: 450. ft Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (204P)

Initial Displacement: 4.42 ft Static Water Column Height: 150. ft
Total Well Penetration Depth: 150. ft Screen Length: 50. ft
Casing Radius: 0.08333 ft Well Radius: 0.25 ft

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice
K = 0.7264 ft/day y0 = 10.74 ft



WELL TEST ANALYSIS

Data Set: C:\...\206T_DaysboundariesX2206MD.aqt
Date: 06/26/09 Time: 08:07:32

PROJECT INFORMATION

Company: InterFlow
Test Well: 206T

AQUIFER DATA

Saturated Thickness: 670. ft Anisotropy Ratio (Kz/Kr): 1.

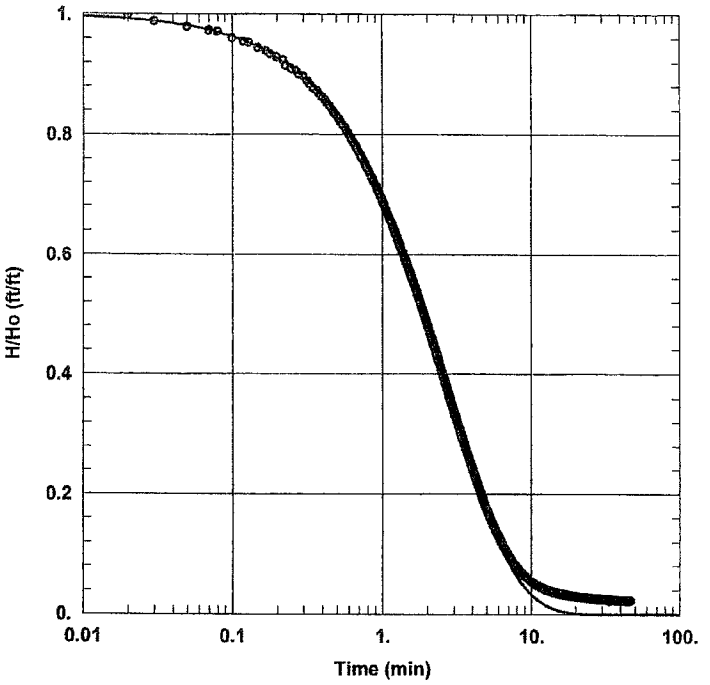
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
206T	1843680	14434590

Observation Wells

Well Name	X (ft)	Y (ft)
▫ 206MD	1843753	14434599
▫ 205MD	1846925	14429684



FALLING HEAD TEST 209MD

Data Set: \...\209MD Falling Head.aqt
Date: 07/07/09 Time: 10:51:14

PROJECT INFORMATION

Company: Bugo
Client: General Moly
Project: Mount Hope
Location: Kobeh Valley
Test Well: 209MD
Test Date: November 2007

AQUIFER DATA

Saturated Thickness: 360. ft

WELL DATA (209MD)

Initial Displacement: 91.43 ft
Total Well Penetration Depth: 360. ft
Casing Radius: 0.08333 ft
Static Water Column Height: 360. ft
Screen Length: 50. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.2

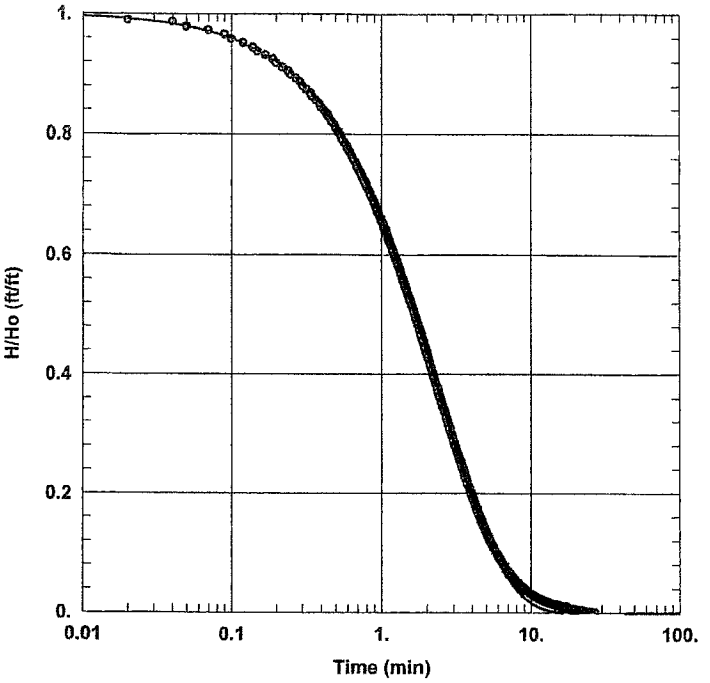
SOLUTION

Aquifer Model: Confined
Solution Method: KGS Model

Kr = 0.2901 ft/day
Kz/Kr = 0.01
Ss = 5.284E-12 ft^{-1}

001919

JA2085



FALLING HEAD TEST 209MS

Data Set: \...\209MS Falling Head.aqt
Date: 07/06/09 Time: 13:53:24

PROJECT INFORMATION

Company: Buqo
Client: General Moly
Project: Mount Hope
Location: Kobeh Valley
Test Well: 209MD
Test Date: November 2007

AQUIFER DATA

Saturated Thickness: 360. ft

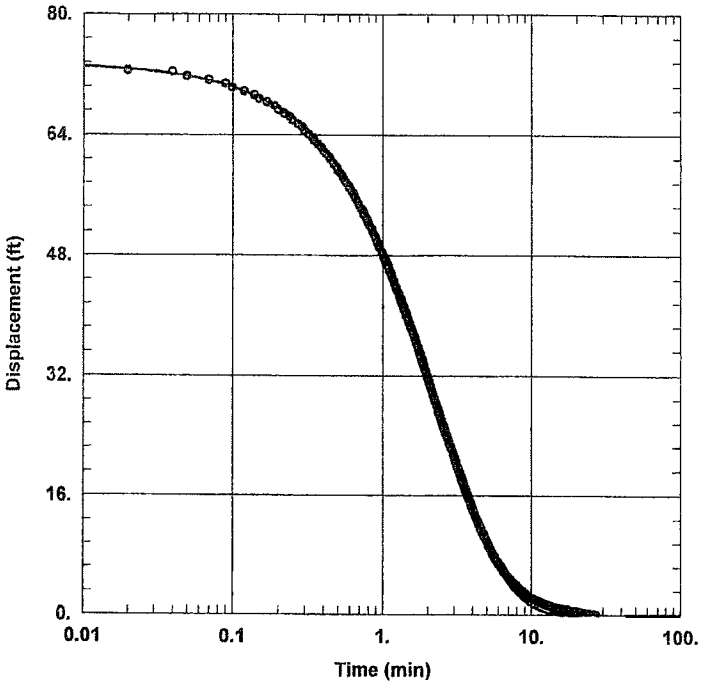
WELL DATA (209MS)

Initial Displacement: 73.32 ft
Total Well Penetration Depth: 82.05 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 82.05 ft
Screen Length: 50. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.3426 ft/day
Kz/Kr = 0.001
Ss = 2.778E-13 ft^{-1}



FALLING HEAD TEST 209MS

Data Set: \...\209MS Falling Head_KGS_Model.aqt
Date: 06/26/09 Time: 08:59:52

PROJECT INFORMATION

Company: Bugo
Client: General Moly
Project: Mount Hope
Location: Kobeh Valley
Test Well: 209MD
Test Date: November 2007

AQUIFER DATA

Saturated Thickness: 360. ft

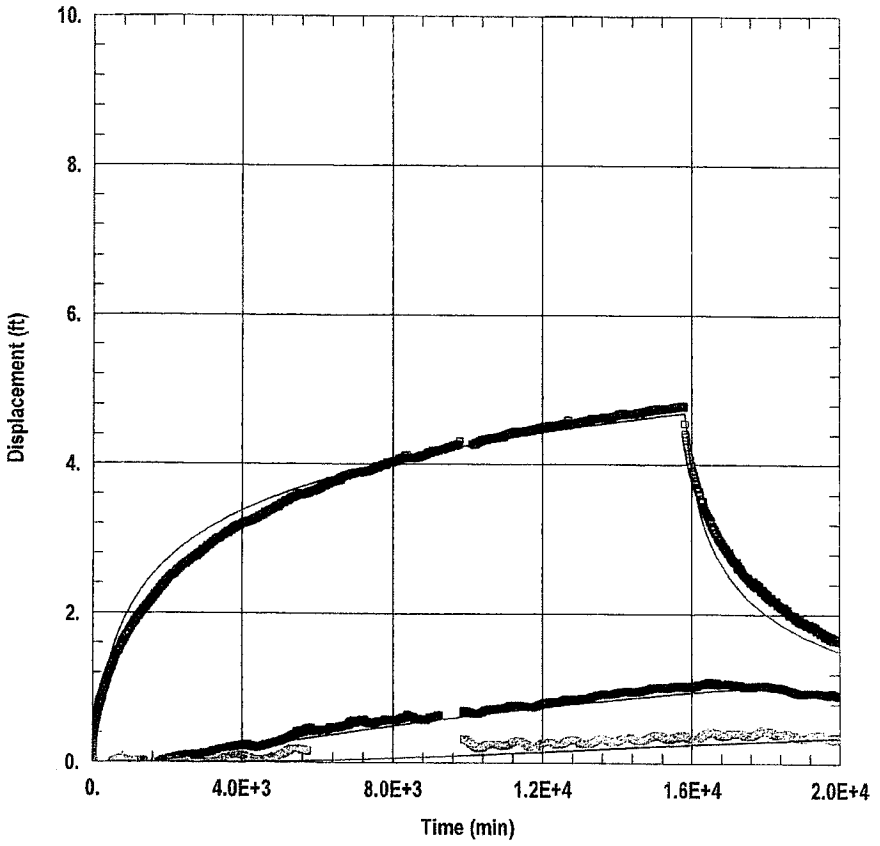
WELL DATA (209MS)

Initial Displacement: 73.32 ft
Total Well Penetration Depth: 82.05 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 82.05 ft
Screen Length: 50. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.1977 ft/day
Kz/Kr = 1.
Ss = 2.778E-13 ft^{-1}



WELL TEST ANALYSIS

Data Set: Z:\...\214TOb_wells_alldata.aqt
Date: 06/25/09 Time: 11:01:44

PROJECT INFORMATION

Company: InterFlow
Test Well: 222

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
214T	1841371.79	14440772.06

Observation Wells

Well Name	X (ft)	Y (ft)
▫ 215M	1841693.6	14441553.63
▫ 206MS	1843752.8	14434598.81
▫ 205MS	1846291.61	14429688.61

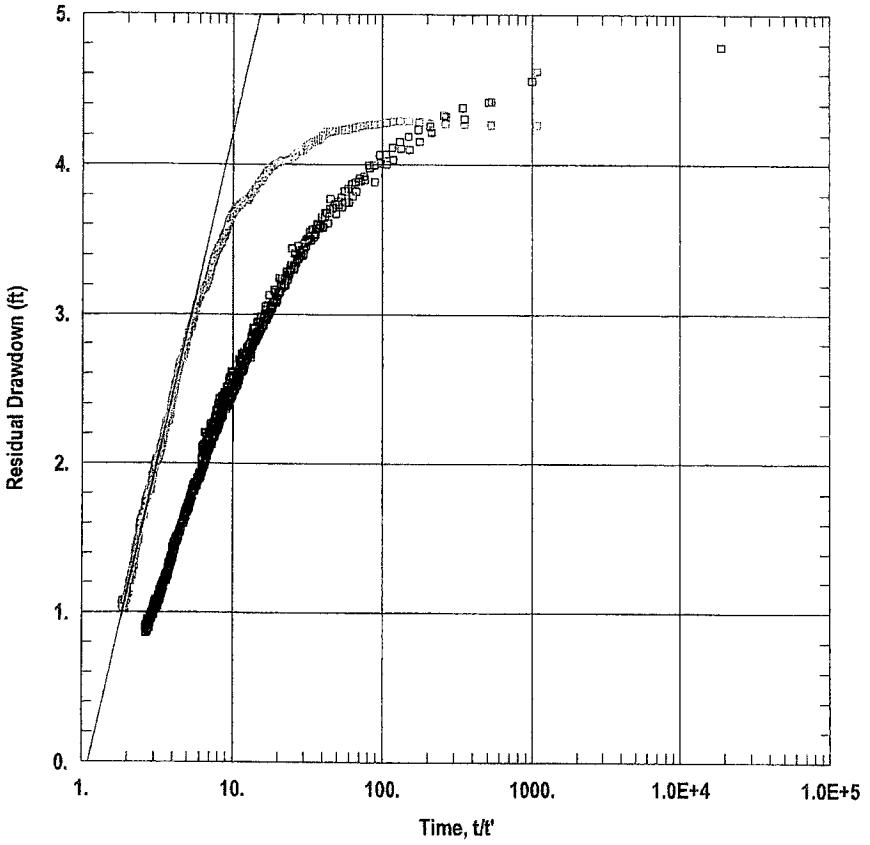
SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 7021.9 ft^2/day
S = 0.001922
Kz/Kr = 1.
b = 410. ft

001922

JA2088



WELL TEST ANALYSIS

Data Set: F:\Final_KobehWellFieldAnalysis\215Mrcovery.aqt
Date: 06/02/09 Time: 12:56:34

PROJECT INFORMATION

Company: InterFlow
Test Well: 222

AQUIFER DATA

Saturated Thickness: 550. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
214T	1841371.79	14440772.06

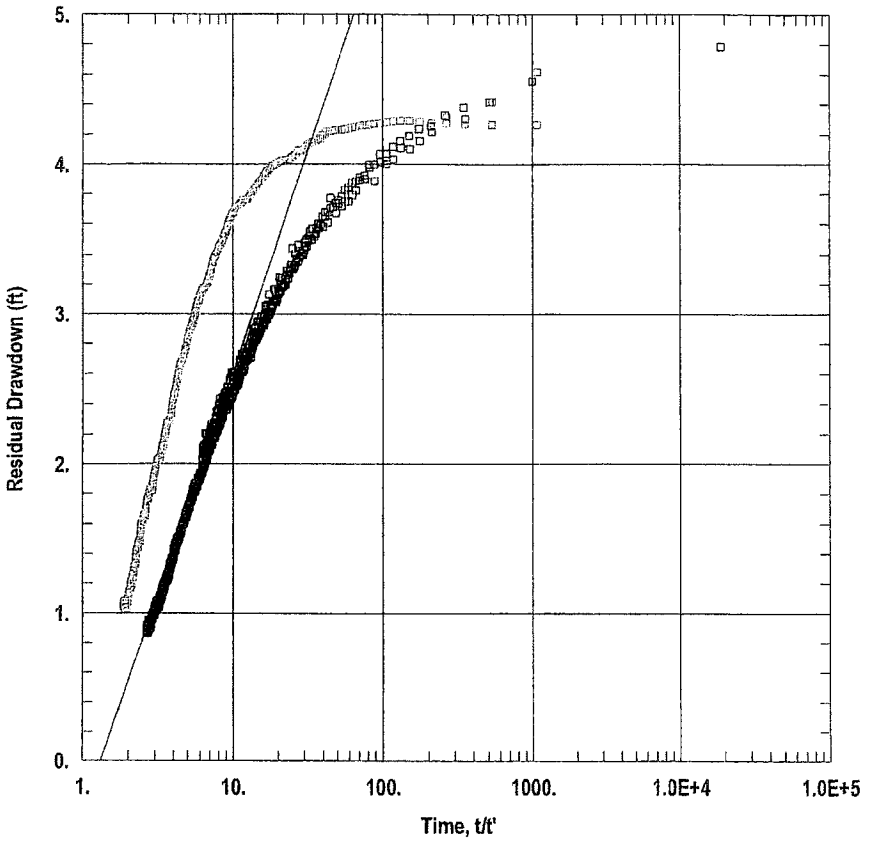
Observation Wells

Well Name	X (ft)	Y (ft)
215M	1841693.6	14441553.63
213M	1840499.63	14444466.77
214M	1841368.69	14440744.11

SOLUTION

Aquifer Model: Confined Solution Method: Theis (Recovery)

T = 3457.8 ft^2/day S/S' = 1.101



WELL TEST ANALYSIS

Data Set: F:\Final_KobehWellFieldAnalysis\215Mrcovery.aqt
Date: 06/02/09 Time: 12:55:52

PROJECT INFORMATION

Company: InterFlow
Test Well: 222

AQUIFER DATA

Saturated Thickness: 550. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
214T	1841371.79	14440772.06

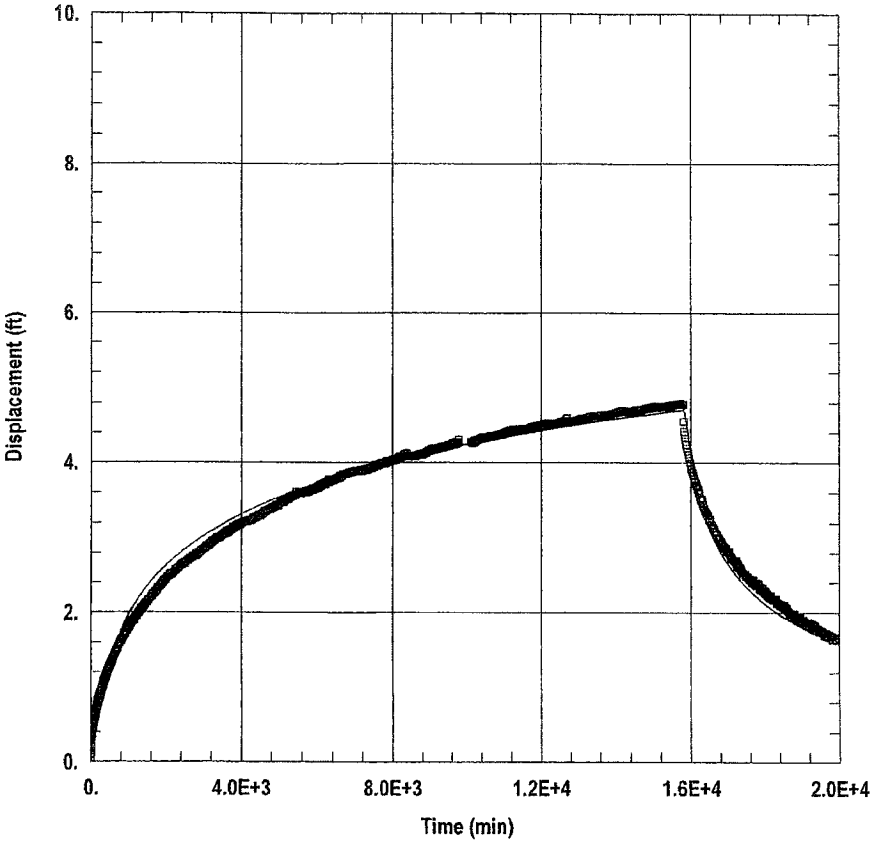
Observation Wells

Well Name	X (ft)	Y (ft)
▫ 215M	1841693.6	14441553.63
▫ 213M	1840499.63	14444466.77
▫ 214M	1841368.69	14440744.11

SOLUTION

Aquifer Model: Confined Solution Method: Theis (Recovery)

T = 5142.3 ft^2/day S/S' = 1.311



WELL TEST ANALYSIS

Data Set: F:\Final_KobehWellFieldAnalysis\215Malldata.aqt
Date: 06/03/09 Time: 15:53:30

PROJECT INFORMATION

Company: InterFlow
Test Well: 222

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
214T	1841371.79	14440772.06

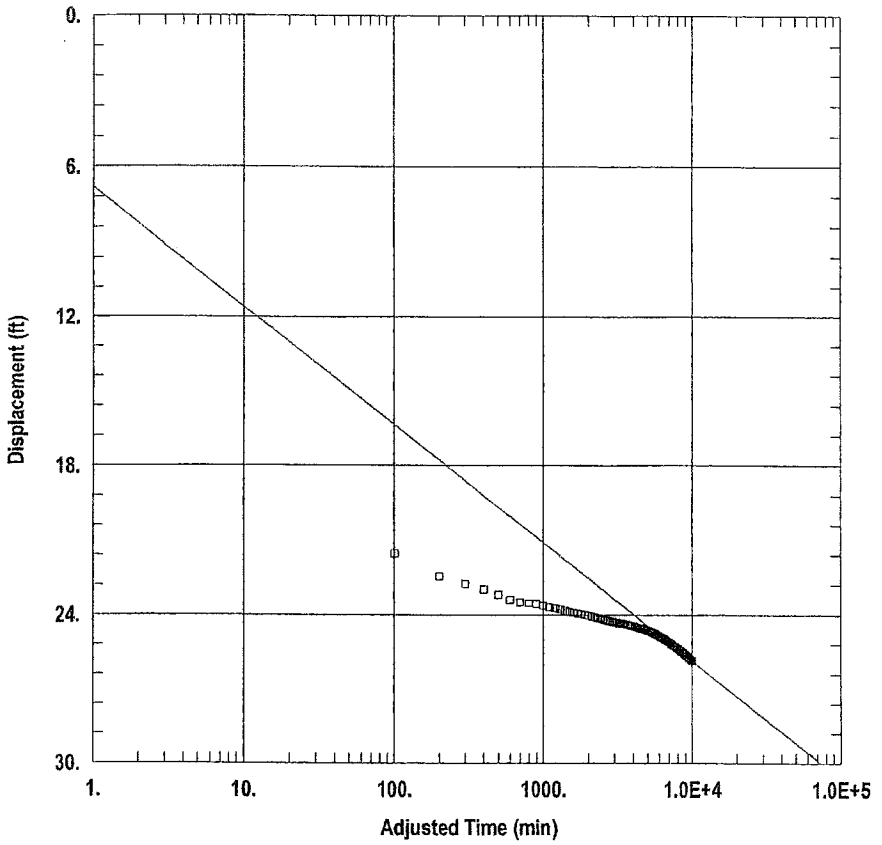
Observation Wells

Well Name	X (ft)	Y (ft)
▫ 215M	1841693.6	14441553.63

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 6621.1 ft^2/day
S = 0.002357
Kz/Kr = 1.
b = 550. ft



WELL TEST ANALYSIS

Data Set: \...\220ConstantRate_SmoothedData.aqt
Date: 07/07/09 Time: 09:20:34

PROJECT INFORMATION

Company: InterFlow Hydrology, Inc.
Test Well: 220T_Step

AQUIFER DATA

Saturated Thickness: 800. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
220T	1826782.056	14424795.1

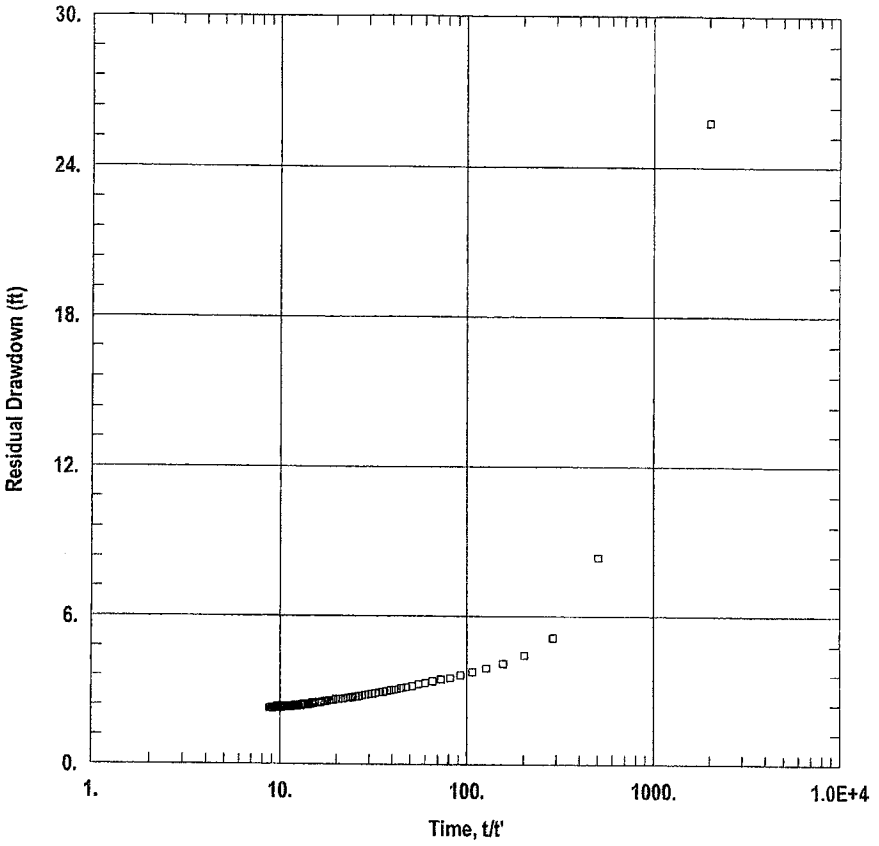
Observation Wells

Well Name	X (ft)	Y (ft)
▫ 220M	1826762.37	14424841.04

SOLUTION

Aquifer Model: Confined Solution Method: Cooper-Jacob

T = 3704.3 ft^2/day S = 8.609E-5



WELL TEST ANALYSIS

Data Set: F:\Work\220ConstantRate.aqt
Date: 06/26/09 Time: 10:11:09

PROJECT INFORMATION

Company: InterFlow Hydrology, Inc.
Test Well: 220T_Step

AQUIFER DATA

Saturated Thickness: 390. ft Anisotropy Ratio (Kz/Kr): 1.

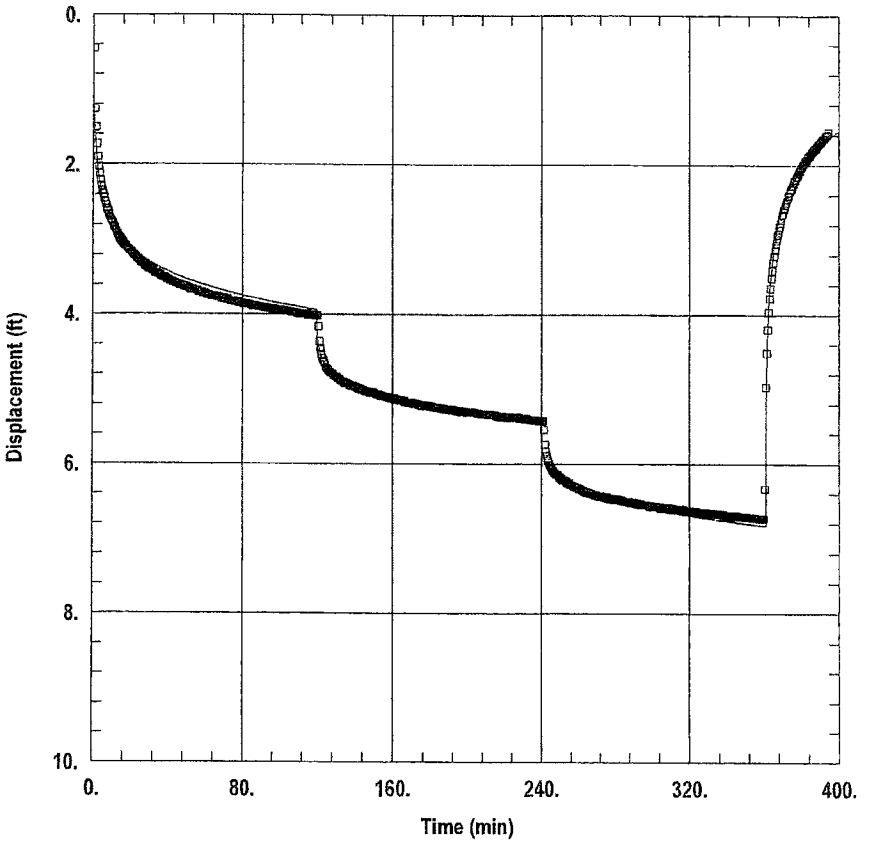
WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
220T	1826689.18	14424058.11

Observation Wells

Well Name	X (ft)	Y (ft)
▫ 220M	1826674.29	14424094.94



WELL TEST ANALYSIS

Data Set: \...\222Step_222MOb.aqt
Date: 06/25/09 Time: 08:44:29

PROJECT INFORMATION

Company: InterFlow
Test Well: 222

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
222T	1844089.331	14416322.41

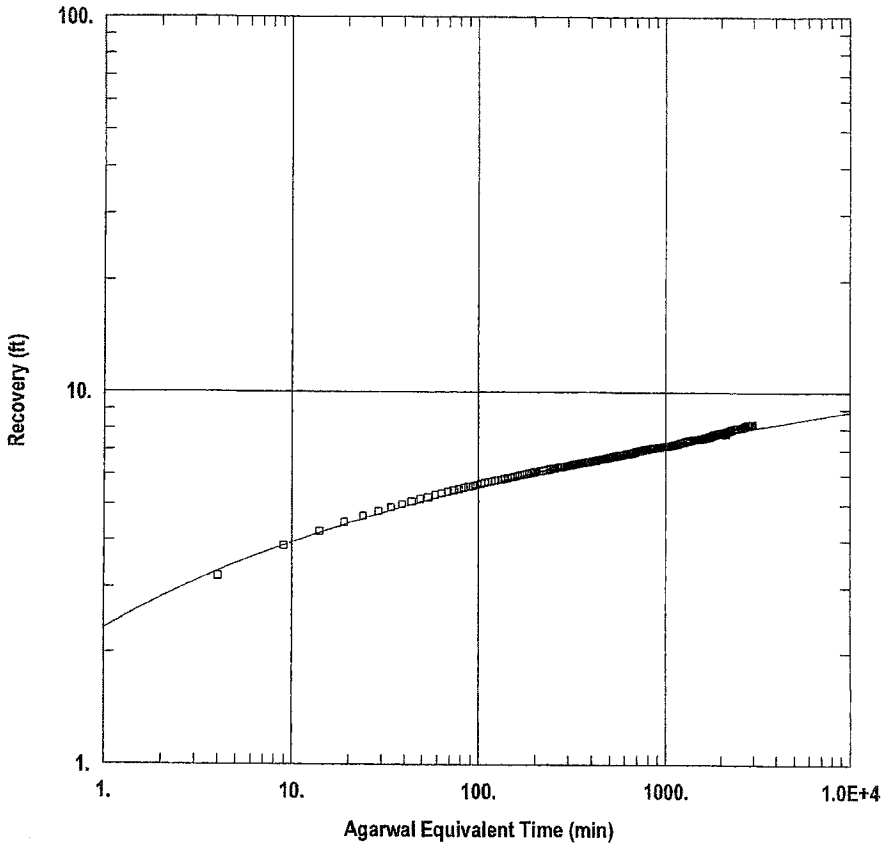
Observation Wells

Well Name	X (ft)	Y (ft)
222M	1844072.926	14416342.1

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1.292E+4 ft^2/day
S = 0.0008542
Kz/Kr = 1.
b = 690. ft



WELL TEST ANALYSIS

Data Set: F:\MayJuneAquiferAnalysis\222ConstantRateTheis.aqt
Date: 05/27/09 Time: 14:22:50

PROJECT INFORMATION

Company: InterFlow
Test Well: 222

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
222T	1844089.331	14416322.41

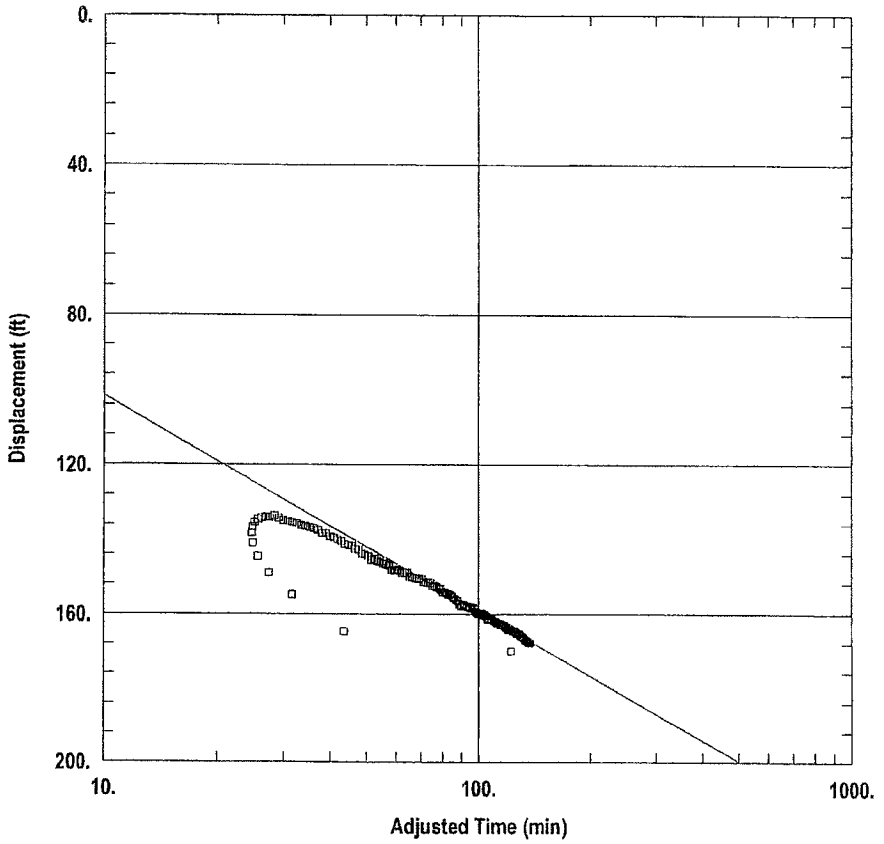
Observation Wells

Well Name	X (ft)	Y (ft)
▫ 222M	1844072.926	14416342.1

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 1.289E+4 ft^2/day
S = 0.001199
Kz/Kr = 1.
b = 690. ft



WELL TEST ANALYSIS

Data Set: \...\223T_CJ_Drawdown.aqt
Date: 07/06/09 Time: 13:03:37

PROJECT INFORMATION

Company: InterFlow
Test Well: 223

AQUIFER DATA

Saturated Thickness: 600. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
223t	0	0

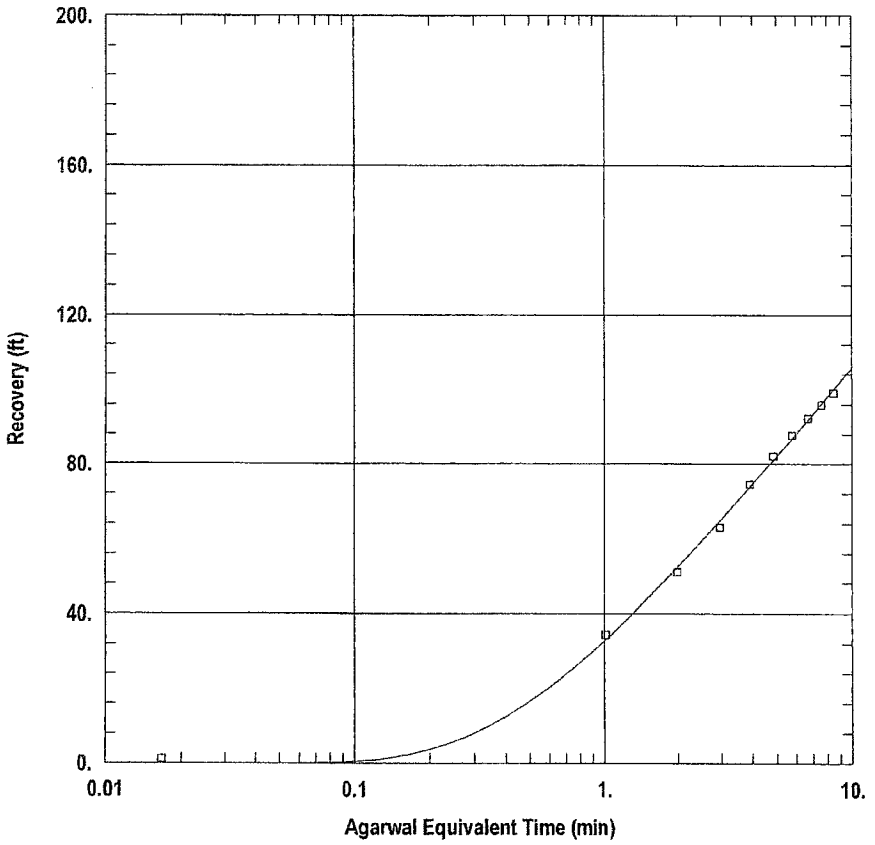
Observation Wells

Well Name	X (ft)	Y (ft)
▫ 223t	0	0

SOLUTION

Aquifer Model: Confined Solution Method: Cooper-Jacob

T = 73.33 ft^2/day S = 0.04418



WELL TEST ANALYSIS

Data Set: C:\Documents and Settings\Jack Childress\My Documents\223t.aqt
Date: 06/25/09 Time: 09:42:13

PROJECT INFORMATION

Company: InterFlow
Test Well: 223

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
223t	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
▫ 223t	0	0

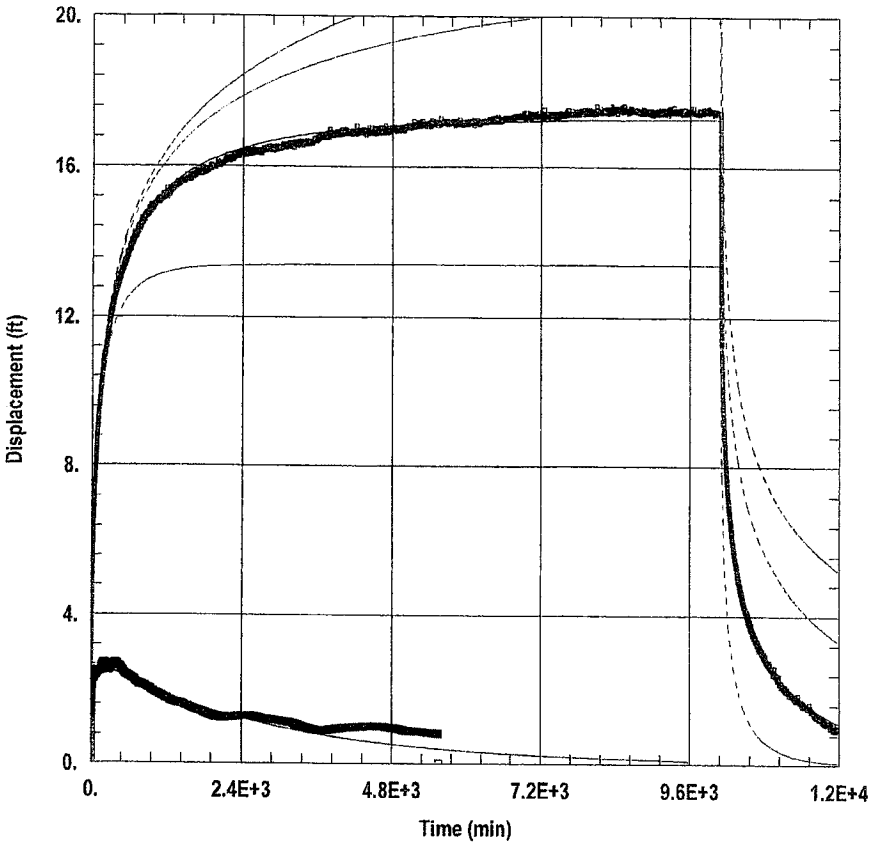
SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 51.99 ft^2/day
S = 0.09376
Kz/Kr = 1.
b = 600. ft

001931

JA2097



WELL TEST ANALYSIS

Data Set: Z:\...\228M_Leaky_Drawdown_and_recovery.aqt
Date: 06/25/09 Time: 10:58:03

PROJECT INFORMATION

Company: InterFlow Hydrology, Inc.
Test Well: 228T_Step

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
228T	1839442.56	14431124.4

Observation Wells

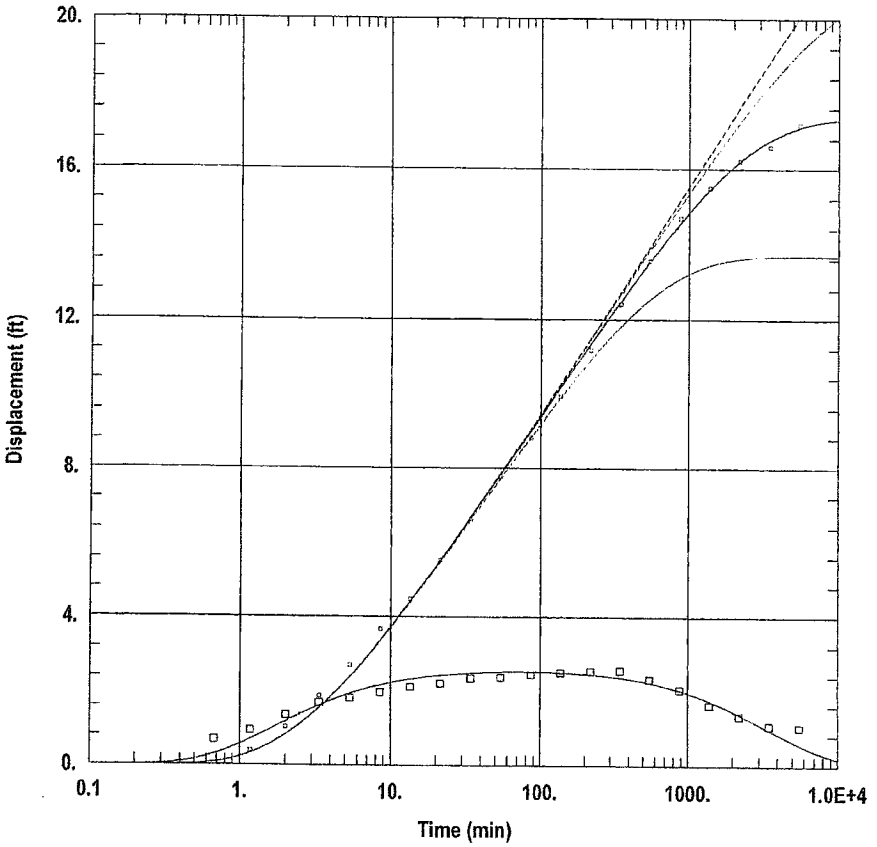
Well Name	X (ft)	Y (ft)
228M	1839490.05	14431109.74

SOLUTION

Aquifer Model: Leaky
Solution Method: Hantush-Jacob

T = 2438.1 ft^2/day
1/B = 0.001063 ft^{-1}
b = 550. ft

S = 0.005465
Kz/Kr = 1.



WELL TEST ANALYSIS

Data Set: F:\Final_KobehWellFieldAnalysis\228M_Leaky_Filtered.aqt
Date: 05/27/09 Time: 10:08:10

PROJECT INFORMATION

Company: InterFlow Hydrology, Inc.
Test Well: 228T_Step

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
228T	1839532.022	14431162.38

Observation Wells

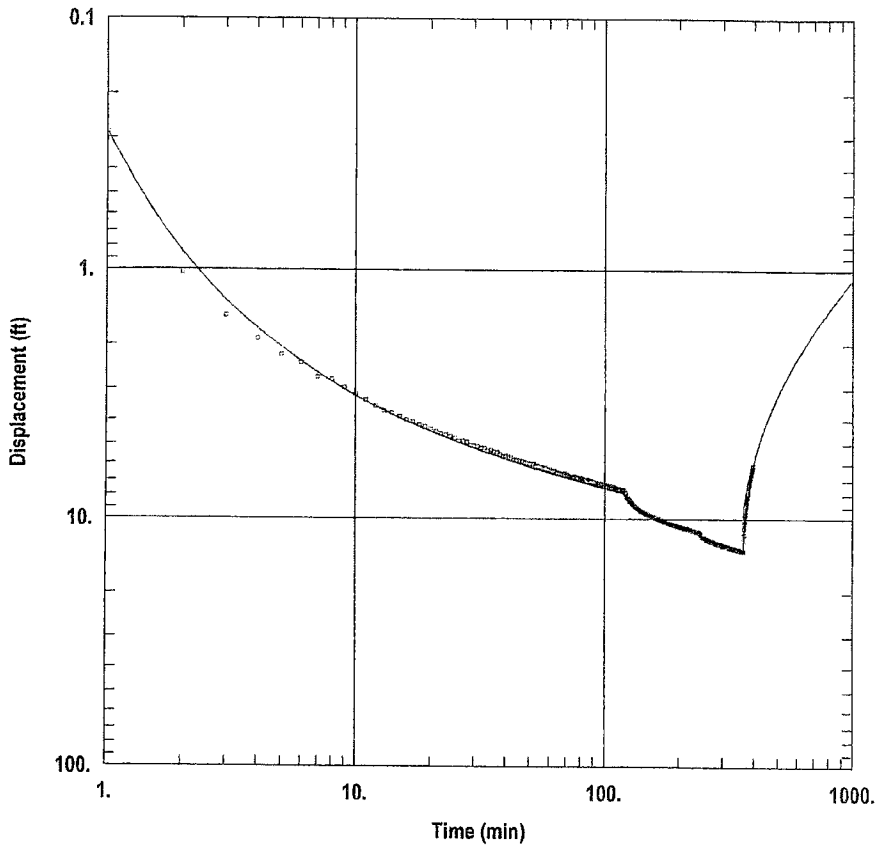
Well Name	X (ft)	Y (ft)
228M	1839591.08	14431145.97

SOLUTION

Aquifer Model: Leaky
Solution Method: Hantush-Jacob

T = 2596. ft^2/day
1/B = 0.0006994 ft^{-1}
b = 550. ft

S = 0.003111
Kz/Kr = 0.001



WELL TEST ANALYSIS

Data Set: C:\Documents and Settings\Jack Childress\My Documents\228T_Step.aqt
Date: 05/27/09 Time: 10:05:12

PROJECT INFORMATION

Company: InterFlow Hydrology, Inc.
Test Well: 228T_Step

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
228T	1839535.303	14431865.66

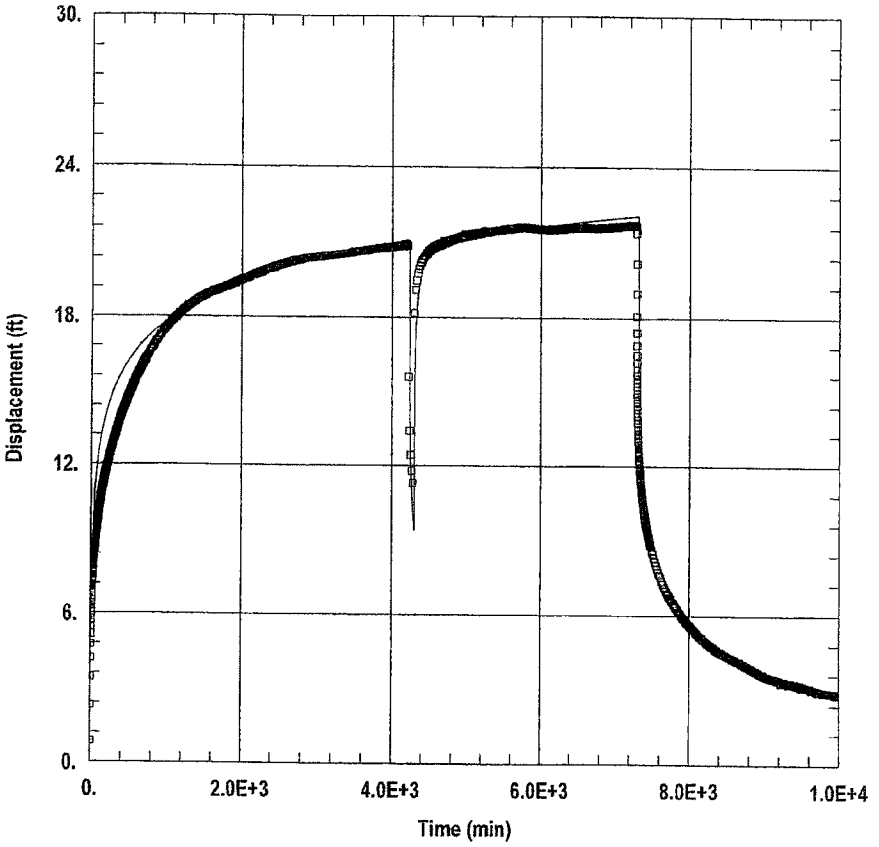
Observation Wells

Well Name	X (ft)	Y (ft)
228M	1839584.518	14431845.97

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 2767.5 ft^2/day
S = 0.003435
Kz/Kr = 1.
b = 550. ft



WELL TEST ANALYSIS

Data Set: \...\229M_dd.aqt
Date: 07/06/09 Time: 16:34:12

PROJECT INFORMATION

Company: InterFlow Hydrology, Inc.
Test Well: 228T_Step

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
229T	1843061.435	14430607.86

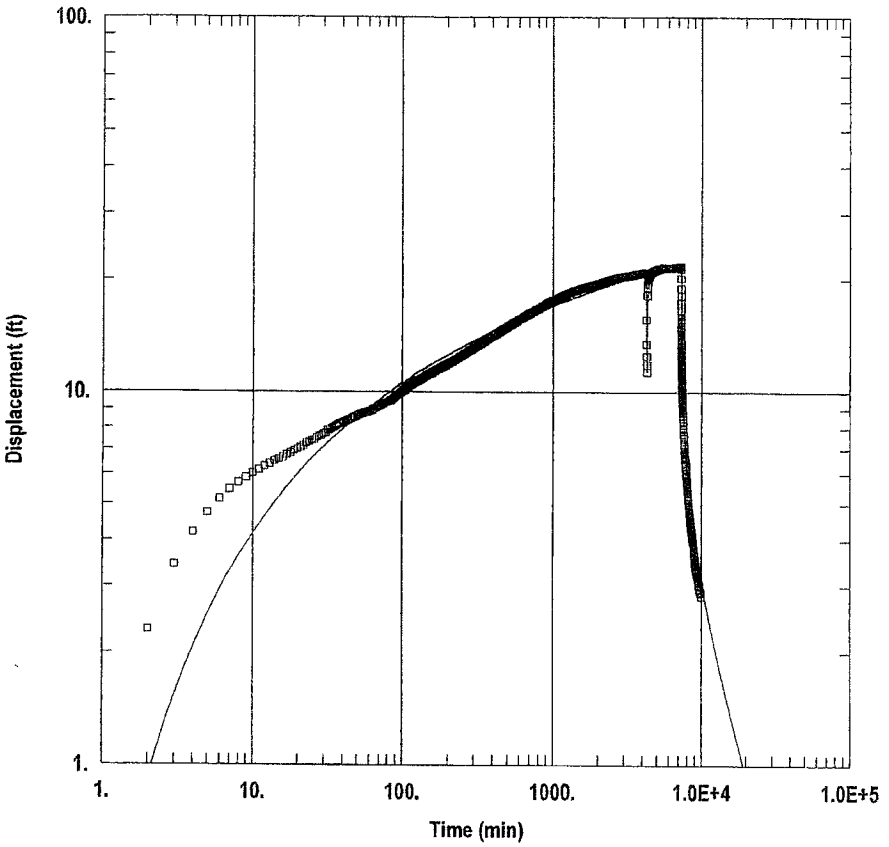
Observation Wells

Well Name	X (ft)	Y (ft)
▫ 229M	1843077.08	14430638.3

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 3323.7 ft^2/day
S = 0.0018
Kz/Kr = 0.01
b = 550. ft



WELL TEST ANALYSIS

Data Set: \...\229M_dd_Neuman.aqt
Date: 07/07/09 Time: 08:41:58

PROJECT INFORMATION

Company: InterFlow Hydrology, Inc.
Test Well: 228T_Step

AQUIFER DATA

Saturated Thickness: 550. ft

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
229T	1843061.435	14430607.86

Observation Wells

Well Name	X (ft)	Y (ft)
▫ 229M	1843077.08	14430638.3

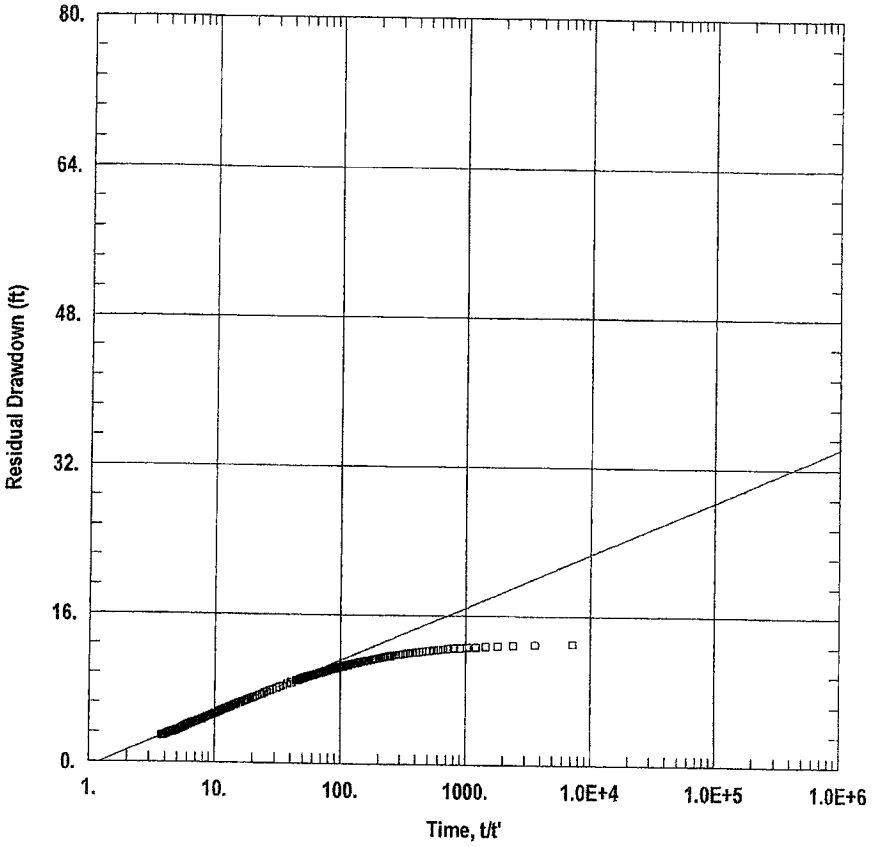
SOLUTION

Aquifer Model: Unconfined
Solution Method: Neuman

T = 2533.1 ft^2/day
S = 0.009727
Sy = 0.1122
Kz/Kr = 0.01065

001936

JA2102



WELL TEST ANALYSIS

Data Set: F:\MayJuneAquiferAnalysis\229M.aqt
Date: 06/22/09 Time: 11:17:03

PROJECT INFORMATION

Company: InterFlow Hydrology, Inc.
Test Well: 228T_Step

AQUIFER DATA

Saturated Thickness: 550. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
229T	1843061.435	14430607.86

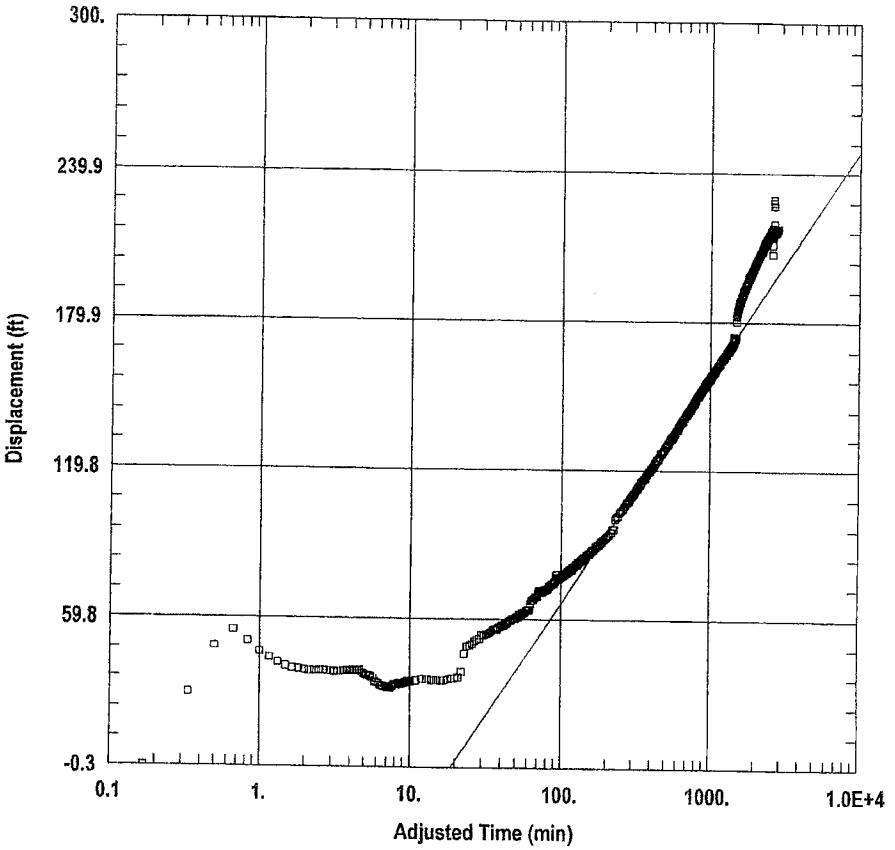
Observation Wells

Well Name	X (ft)	Y (ft)
▫ 229M	1843077.08	14430638.3

SOLUTION

Aquifer Model: Confined Solution Method: Theis (Recovery)

T = 2989.9 ft^2/day S/S' = 1.212



WELL TEST ANALYSIS

Data Set: F:\MayJuneAquiferAnalysis\Finals\TFX-2.aqt
Date: 06/22/09 Time: 11:10:29

PROJECT INFORMATION

Company: InterFlow
Client: GMI
Location: Kobeh Valley
Test Well: TFX-2

AQUIFER DATA

Saturated Thickness: 360. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
TFX-2	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
TFX-2	0	0

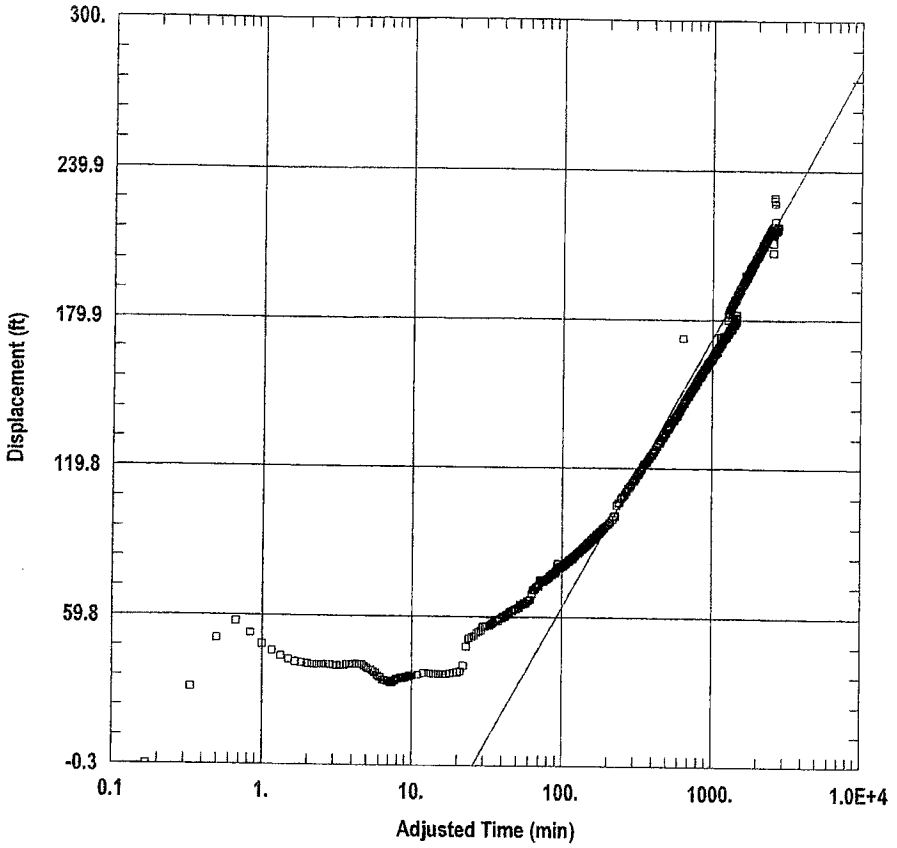
SOLUTION

Aquifer Model: Confined Solution Method: Cooper-Jacob

T = 56.79 ft^2/day

001938

JA2104



WELL TEST ANALYSIS

Data Set: \...\TFX-2_latetime_drawdown.aqt
Date: 07/06/09 Time: 10:53:28

PROJECT INFORMATION

Company: InterFlow
Client: GMI
Location: Kobeh Valley
Test Well: TFX-2

AQUIFER DATA

Saturated Thickness: 360. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
TFX-2	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
TFX-2	0	0

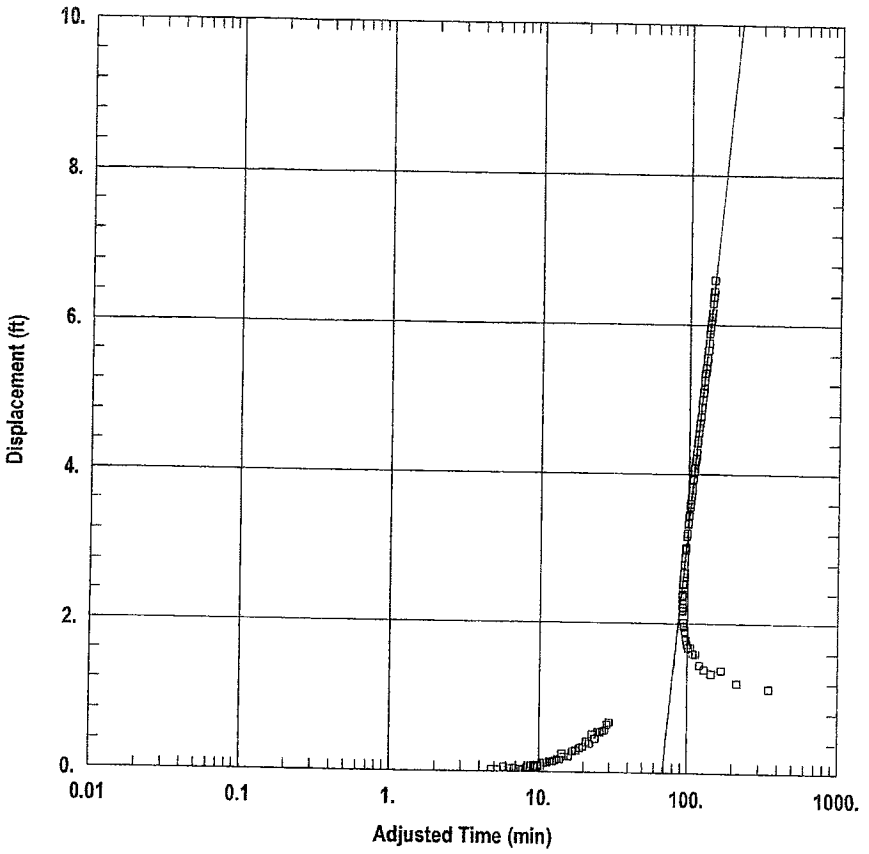
SOLUTION

Aquifer Model: Confined Solution Method: Cooper-Jacob

T = 50.12 ft^2/day

001939

JA2105



WELL TEST ANALYSIS

Data Set: F:\MayJuneAquiferAnalysis\235P_Ob.aqt
Date: 05/27/09 Time: 10:43:04

PROJECT INFORMATION

Company: InterFlow
Client: GMI
Location: Kobeh Valley
Test Well: TMB

AQUIFER DATA

Saturated Thickness: 500. ft Anisotropy Ratio (Kz/Kr): 0.005

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
TM-B	1883279.7	14422152.5

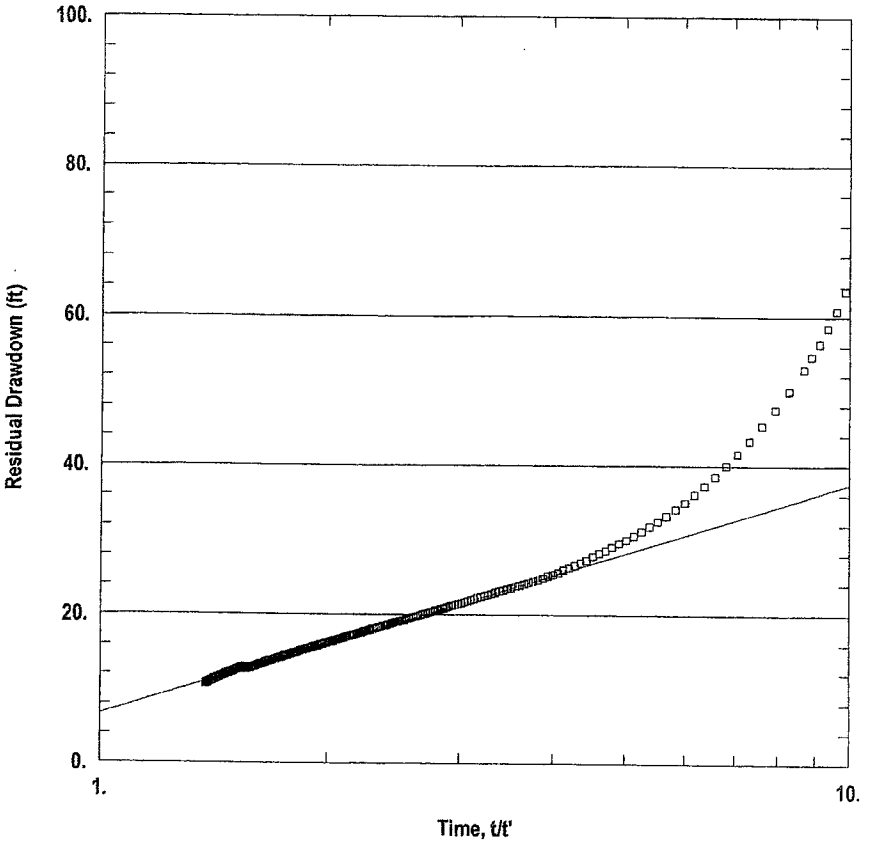
Observation Wells

Well Name	X (ft)	Y (ft)
▫ 235P	1883275.2	14422216.7

SOLUTION

Aquifer Model: Confined Solution Method: Cooper-Jacob

T = 105. ft^2/day S = 0.002723



WELL TEST ANALYSIS

Data Set: F:\MayJuneAquiferAnalysis\Finals\TM-B_Recovery.aqt
Date: 06/22/09 Time: 11:09:07

PROJECT INFORMATION

Company: InterFlow
Client: GMI
Location: Kobeh Valley
Test Well: TMB

AQUIFER DATA

Saturated Thickness: 500. ft Anisotropy Ratio (Kz/Kr): 0.005

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
TM-B	1883279.7	14422152.5

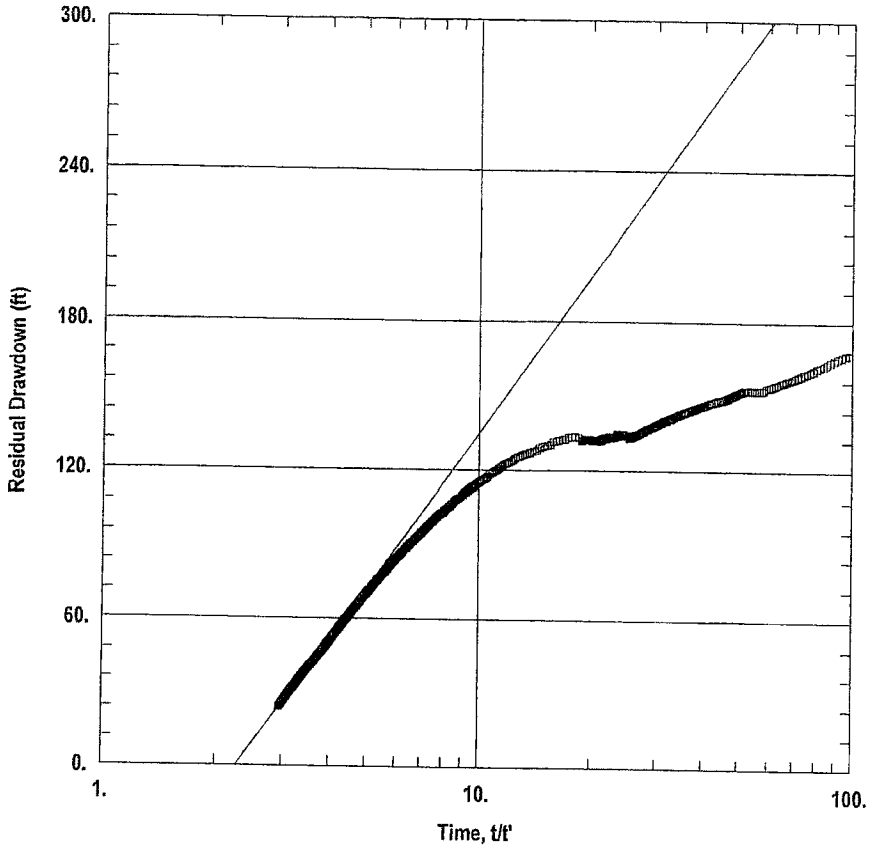
Observation Wells

Well Name	X (ft)	Y (ft)
TM-B	1883279.7	14422152.5

SOLUTION

Aquifer Model: Confined Solution Method: Theis (Recovery)

T = 68.5 ft^2/day S/S' = 0.6102



WELL TEST ANALYSIS

Data Set: Z:\...\TSX-2_recovery_Theis.aqt
Date: 06/25/09 Time: 09:46:19

PROJECT INFORMATION

Company: InterFlow
Client: GMI
Location: Kobeh Valley
Test Well: TFX-2

AQUIFER DATA

Saturated Thickness: 800. ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
New Well	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
▫ New Well	0	0

SOLUTION

Aquifer Model: Confined Solution Method: Theis (Recovery)

T = 24.49 ft^2/day S/S' = 2.276

001942

JA2108

CERTIFICATE OF SERVICE

Pursuant to NRAP Rule 25(1)(c), I hereby certify that I am an employee of ALLISON, MacKENZIE, PAVLAKIS, WRIGHT & FAGAN, LTD., Attorneys at Law, and that on this date, I caused a CD-ROM version of same to be served to all parties to this action by:

_____ Placing a true copy thereof in a sealed postage prepaid envelope in the United States Mail in Carson City, Nevada
_____ Hand-delivery - via Reno/Carson Messenger Service
_____ Facsimile
_____ Federal Express, UPS, or other overnight delivery
_X_ E-filing pursuant to Section IV of District of Nevada Electronic Filing Procedures

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__X__ Placing a true copy of a CD-ROM version thereof in a sealed postage prepaid envelope in the United States Mail in Carson City, Nevada

fully addressed as follows:

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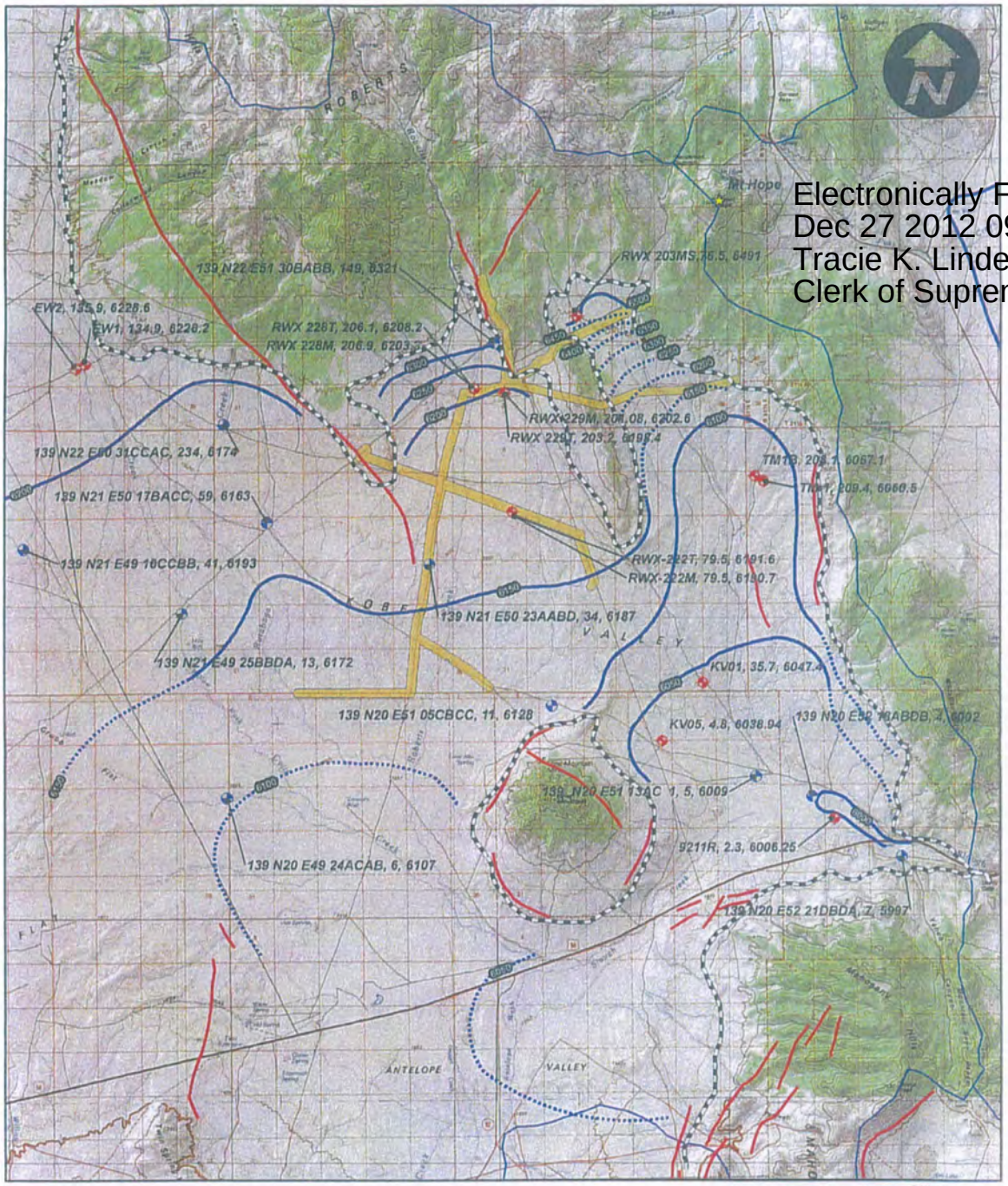
Francis M. Wikstrom
Parsons Behle & latimer
201 South Main Street, Ste 1800
Salt Lake City, UT 84111

DATED this 21st day of December, 2012.

/s/ Nancy Fontenot



Explanation

- EMLLC Well Completed in Basin-Fill Aquifer (Name, Depth to Water, Water Level Elevation in Feet)
- Existing Well Completed in Basin-Fill Aquifer (Name, Depth to Water, Water Level Elevation in Feet)
- Approximate Limit of Basin-Fill Aquifer
- QuaternaryFaults
- Well Field Corridor

Line of Equal Water Level Altitide, in Feet Above Sea Level

Type

- Higher Certainty
- Lower Certainty

Figure 46 - Potentiometric water level map for the basin-fill aquifer in the Kobeh Valley Well Field area

8.0 CONCLUSIONS

EMLLC has conducted an extensive drilling program in the northern portion of Kobeh Valley. In total approximately 40 monitor and test wells have been drilled in the proposed well field and surrounding area. Data from the drilling and testing of these wells has increased the knowledge base of geologic and hydrogeologic interests. Aquifer testing at thirteen locations has provided information on well yields and hydraulic properties. Additional information provided by this report includes chemistry data, water level information, and important potential geologic structures that may affect groundwater flow paths.

The extensive testing program has delineated productive sections of the basin-fill aquifer, and noted compartmentalization in portions of the carbonate aquifer. Geologic maps and cross sections were developed to aid in the understanding of the local geology and hydrogeology.

These data should provide information to help EMLLC and regional land and resource managers understand the hydrogeologic context of the well field area. Information provided in this report can also be used to develop conceptual and numeric models for estimating the changes in the hydrologic system that may occur from utilizing the water resources of Kobeh Valley.

Key findings are summarized below.

- The geology of the Kobeh Valley Well Field area is complex, with multiple episodes of faulting, basin-fill deposition, lake formation and disappearance, and volcanic activity.

- The general structure of the northern well field area, south of Roberts Creek, is that of a central graben bordered by horst blocks to the west and east. Further east, a deep rift valley has formed via normal faulting as evidenced from well logs from 203 and 204.

- The graben that formed south of Roberts Creek is at least 1,000 feet deep at locations 228T and 222T; this basin is filled with basin-fill deposits and underlying bedrock is presumably the Vinini Formation shale and clastic sedimentary rocks, as intercepted at 229T.

- Transmissivity values for the basin-fill materials in the well field area were observed to range from between less than 3,000 ft^2/day to nearly 13,000 ft^2/day. Storage coefficient estimates for the basin-fill aquifer generally ranged from approximately 0.0001 to 0.003.

- Depths-to-water and estimated transmissivity values appears to increase in a southerly direction from 228T and 229T to 222T. This may be due in part to increased saturated thickness of sand and gravel in a southerly direction.

- Hydraulic properties derived from aquifer testing from well completed in alluvial materials support completion of the production wells at the tested locations.

- Transmissivity of the carbonate rock aquifer can be large, but due to boundary conditions and compartmentalization, the aquifer is locally limited in extent. Within the well field area the eastern carbonate block behaves similar to an aquifer with an average transmissivity of between 6,000 and 7,000 ft^2/day, and a storage coefficient of around 0.002. For short pumping durations, highly permeable zones in the carbonate rock, such as encountered at 206T, display very high transmissivity values, but are not observed to be sustained over the course of long-term pumping. Carbonate rock tapped on the western side of the well field area (220T) has a transmissivity of approximately 3,700 ft^2/day with a storage coefficient of approximately 0.0001.

- The well field area is bounded to the north by a fault-related low-permeability barrier condition at the base of the Roberts Mountains. This barrier condition is reflected in static water differentials of approximately 330 feet on either side of the fault as documented in monitoring wells at 213M and the Lower and Middle Roberts Creek monitoring wells.

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Lithologic Log Well No. Lower Roberts Creek Monitoring Well (LRCMW)

Dates Logged June, 2008 Initials SJ, MT

Location Rig Supervisor C. Brooks

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow Rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	pH	GPM
0	25		Limey CLAY grading to light grey LIMESTONE at 30'	---	---							
25	45			0:04	0:32							
45	65		30' Fine-Grained, Med-gray LIMESTONE w/ CALCITE	0:37	1:10							
65	85			1:14	1:37							
85	105			1:40	2:03							
105	125		--- fractured and oxidized	2:34	2:54							
125	145		125' Grey LIMESTONE	2:57	3:16							
---	---			---	---							
145	165		--- fractured and oxidized	3:20	3:40							
---	---		--- thin CALCITE vein	---	---							
165	185		--- fractured and oxidized	3:43	4:04							
185	205			4:08	4:31							
205	225		220' Fractured DOLOMITE with reddish-brown	4:35	5:06							
225	245		oxidation, weak HCl reaction, H2S odor	5:12	5:34	13.7	13.9	13.8	11.6	620	8.17	22
245	265		250: Light grey fractured DOLOMITE, weak HCl reaction, H2S odor	8:37	8:50	14	12	13	13.5	737	8.23	23
265	285		--- some reddish-brown oxidation, minor calcite (vein fill); stonger HCl reaction, strong H2S odor	9:01	9:15	10.7	11.3	12.1	13.5	705	8.4	26
285	300		285' Reddish-brown dolomitic BRECCIA, weak HCl	9:24	9:30	6.5	6.5	6.5	13.2	670	8.38	46
300	305		reaction, stong H2S odor	11:28	11:33	6.2	5.5	5.8	16.2	660	8.4	51
305	325		305' Light gray DOLOMITE, minor oxidation, stong	11:42	12:02	5.7	6	5.8	14.1	674	8.32	51
325	345		H2S odor	12:13	12:32	5.5	5.6	5.8	14.6	677	8.34	53
345	365		--- fractures, reddish-brown, trace clay	12:42	13:02	5.7	5.9	5.8	15.6	675	8.35	52
365	385		--- dark gray DOLOMITE	13:09	13:29	5.7	5.6	5.3	13.7	690	8.34	54
385	405		--- fractures, oxidation, weak HCL reaction, trace calcite	13:42	13:59	5.3	5.3	5.2	14	670	8.36	57
405	425		--- dark gray, trace calcite veinlets	14:10	14:28	3.4	3.5	3.6	14.2	662	8.35	86
425	445		435': Dark and light grey dolomitic BRECCIA	14:40	15:03	3.4	3.5	3.6	14.2	662	8.35	86
445	465			15:17	15:35	4.4	4.2	3.9	14	658	8.35	72
465	478		445': Gray DOLOMITE, trace CALCITE in veinlets	15:46	15:56	4.6	4.8	4.1	14	658	8.35	67

Lithologic Log Well No. MRCMW

Dates Logged 8/6/2008 through 8/7/2003 — Initials SJ, CC, KH
Location 559743 E, 14404761N , 6747' — Supervisor Kati Gibler

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	(gpm)
0	25		CLAYEY GRAVEL: brown, 70% sand and gravel, 30% plastic greenish yellow clay below 20 ft. Saprolite indicated by a zone of relict 1mm amphibole in a highly weathered siliceous groundmass .	---	---	Set 20' x 8" diameter steel casing						
---	---			---	---							
---	---			---	---							
20	25			13:55	13:58							
25	45			13:58	14:21							
45	65			14:23	14:38							
65	85		65' DACITE: aphanitic siliceous groundmass with euhedral amphibole phenocrysts, 1mm length 0.2 to 0.5 mm diameter.	14:41	14:51							
85	---			15:01	---							
---	---			---	---							
---	---			---	---							
---	105		--- fractures at 89'	---	15:17							
105	---		105' CLAYEY GRAVEL: stratified, grades from pinkish to blueish gray, 70% subangular limestone, quartz amphibole clasts, fine to coarse sand and fine gravel, 30% clay.	15:22	---							
---	---			---	---							
---	---			---	---							
---	---			---	---							
---	120			---	15:47							
120	130		120' MUDSTONE: bluish gray, gravel size pieces of mudstone, no reaction with H Cl, with few sand size limestone.	---	---							
130	140			---	---							
140	145			---	16:23							
145	150		--- very fine fragments, trace calcite	16:33	---							
150	155		--- samples appear To be wetter.	---	---							
155	160			16:47	16:55							
160	165		--- small amount of gravel	16:55	17:03							
165	170		--- more consolidated MUDSTONE, ~ 30% coarse sand size fragments.	17:10	---							
170	185			---	17:32							
185	190			17:36	---							
190	205		190' gray DOLOMITE, some mudstone, chips are angular and fine gravel to coarse sand size, weak reaction to HCl when scratched.	---	17:53							
205	210			19:54	20:00							
210	215			20:01	20:05							
215	220			20:06	20:11							
220	225		205' LIMESTONE. some clay, oxidized	20:12	20:19	74	78	80	14.2	545	7.6	3.9
225	230			20:42	20:52							
230	235			20:52	21:04							
235	240			21:06	21:21							
240	245			21:22	21:36	6.4	6.5	6.6	11.9	1163	7.8	46.2
245	250			22:13	22:36							
250	255		--- bedding planes	22:36	22:58							
255	260		--- fractures	22:58	23:24							
260	265			23:25	23:35	6.0	6.2	6.3	11.8	1164	7.8	48.6
265	270		--- some clay and dolomite with limestone.	23:46	23:54							
270	275			23:55	00:03							
275	280			00:04	00:30							
280	285		--- fractures chert and limestone	00:31	00:36	5.8	5.6	5.6	11.4	1153	7.8	52.9
285	290			00:50	01:01							
290	295		--- dolomite and limestone with clay	01:02	01:12							
295	300		--- chert	01:13	01:31	5.4	5.4	5.6	11.2	1135	7.8	54.9

Lithologic Log Well No. RWX- 213B

Dates Logged 7/23/2008 through 7/29/2008 — Initials EC, CB

Location 14444466.77N, 1840499.63E, 6639.7 — Supervisor C. Brooks

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	(gpm)
0	5		CALICHE, and weathered siltstone GRAVEL	2222	2225							
5	20		5': Light grey fractured DOLOMITE, <1/2" diameter chips	2229	2236	Set 20' x 8" diameter steel casing						
20	30			0338	0402							
30	45			0539	0555							
45	65		55': Yellowish-brown CLAY (paleosol)	0745	0801							
65	85		60': Light to medeum grey fractured DOLOMITE, <3/8" chips	0805	0819							
85	105			0822	0835							
105	125		115': Light grey fractured DOLOMITE, with intermittent CALCITE veinlets, <3/8" diameter chips	1012	1023							
125	145			1026	1036							
145	165			1044	1105							
165	185			1110	1130							
185	205		185': Grey to dark grey DOLOMITE, intermittent CALCITE veinlets, <1/8" diameter chips	1135	1154							
205	225			1201	1220							
225	245			1228	1239							
245	265			1243	1254							
265	285			1402	1413							
285	305			1419	1426							
305	325			1435	1446							
325	345		340' Dolomitic BRECCIA, with light tan clay matrix	1455	1509							
345	365		342' Grey to dark grey DOLOMITE, trace CALCITE from intermittent veinlets, <1/4" diameter chips	1519	1538							
365	385			1552	1622							
385	405			1626	1644							
405	425			1651	1711	13	14	16	Too muddy to test			21
425	445			1859	1925	15	16	13				20
445	465			1931	2009	16	14	15				20
465	485		485' Dolomitic BRECCIA	2028	2102	17	16	14				19
485	505		486' Light to dark grey DOLOMITE, trace CALCITE veinlets	2145	2208	18	18	18	14.3	537	7.87	17
---	---			---	---							
505	525			2231	2306	14	15	16	13.3	585	8.10	20
525	545		526': White, very soft chalky CLAY with light grey DOLOMITE	2324	2357	14	15	16	13.3	585	8.10	20
---	---			---	---							
545	565		527' Grey DOLOMITE, trace CALCITE vein fill, occasional white CLAY and BRECCIA	0109	0145	11	13	10	13.3	572	7.94	26
565	585			0158	0243	8	7	8	12.8	545	7.86	39
585	605			0255	0333	8	8	7	12.6	539	7.82	39
605	625			0347	0420	8	8	7	12.5	538	7.75	39
625	645			0434	0506	6	8	7	12.4	512	7.87	43
645	665			0520	0550	9	7	8	12.2	512	7.87	38
665	685			0713	0758	9	9	9	Re-calibrating			33
685	705			0812	0858	6	7	7	14.8	625	8.28	45
705	725			0915	0952	7	7	7	19.8	625	8.28	43
725	745			1015	1050	6	7	6	15.9	616	8.34	47
745	765		745': Light grey DOLOMITE, trace CALCITE	1117	1157	4	4	5	18.0	618	8.34	69
765	785			1213	1302	4	4	4	17.9	600	8.29	75
785	805			1333	1426	4	4	4	18.4	587	8.29	75
805	820			1908	2152	4	4	4	14.1	521	8.41	75
820	840			2208	0058	4	4	5	13.2	511	8.17	69
840	860			0114	0303	4	4	4	12.7	514	8.13	75
860	880		--- fracture zone, with larger CALCITE crystals <1/4" diameter	0315	0530	4	4	4	12.8	513	8.07	75
880	900			0655	0925	4	4	4	16.2	600	8.00	75
900	920			0947	1138	4	4	4	16.4	592	8.46	75
920	940			1210	1354	4	3	4	19.3	586	8.31	82
940	960			1406	1610	3	3	3	18.2	584	8.31	100
960	980			1638	-	3	3	3	18	580	8.40	100
980	1000		996': Tan DOLOMITE	1851	2132	3	4	3	15.8	571	8.35	90

Lithologic Log Summary Well No. RWX- 214 Monitoring Well

Dates Logged 8/14/2008 – 8/26/2008 Initials BC, EC, MT

Location 14440744.11N, 1841368.69E, 6620.5' Rig Supervisor C. Brooks

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	(gpm)
0	22		Sandy GRAVEL, with boulders, caliche	13:20	16:45	Set 8" diameter steel casing to 20' bls						
22	25		and yellow clay	16:45	16:54							
25	45		LIMESTONE, olive gray, fractures filled	16:56	17:32							
45	65		with calcite	18:37	18:53							
65	85			18:59	19:15							
85	105			20:06	20:24							
105	125		--- increased calcite at 110'; minor	20:29	20:45							
125	145		oxidation stain, stong HCl reaction	20:52	21:28							
145	165			21:36	21:48							
165	185			23:12	23:21							
185	205			23:36	23:53							
205	225		--- 215' LIMESTONE, medium to dark	00:00	01:00							
225	245		gray, minor oxidation, sparce calcite as	---	---							
245	265		fracture fill	02:48	03:25							
265	285			03:55	04:24							
285	305			04:35	05:10							
305	325		--- 310' fossils; brachiopods	---	07:36							
325	345		--- 335' calcite filled fractures, moderate	07:42	08:12							
345	365		oxidation, trace clay	08:17	08:55	First water; unsustainable						
365	385		Dark gray argilitic MUDSTONE,	09:02	09:37							3
385	405		fossiliferous, trace oxidized calcite as	09:50	10:37							4
405	425		fracture fill	10:42	11:21							3
425	445		--- 425' fat clay on fractures	11:32	12:14				24.7	501	7.93	3
445	465		--- 460-461' yellow-brown oxidation	12:24	13:12							3
465	485			13:20	---							3
485	505			---	14:55				25.6		7.56	
505	525			15:05	15:46							2
525	545			15:54	16:40				31.9		8.05	2
545	565			16:47	19:16							2
565	585			19:24	20:24				21.0		8.25	3
585	605			20:37	21:29							3
605	625		Black, MUDSTONE, indurated, siliceous,	21:36	22:57				18.8		8.28	6
625	645		with calcite filled veinlets	23:06	00:24							6
645	665			00:32	01:42				17.7		8.27	8
665	685			01:58	02:44				17.6		8.23	8
685	700			02:57	09:59	6	6	6	14.4	471	8.14	50
700	720		--- 700-705 reddish brown fat clay	10:27	12:45	5	5	5	15.3	226	8.13	60
720	740			12:50	16:45	4	4	4	15.1	439	7.75	75
740	760			17:02	20:43	5	5	5	14.9	494	7.72	60
760	780			20:57	23:39	5	5	5	13.8	490	7.82	60
780	800			23:49	02:51	5	5	5	12.8	486	7.92	60
800	820			02:51	05:46	4	4	4	13.3	488	7.81	75
820	840			---	10:02	4	4	4	14.7	486	7.82	75
840	860		Fractured DOLOMITE at 850', dark gray,	10:24	11:42	4	3	4	15.2	495	7.75	82
860	880		tabular to blocky, weak HCl reaction	---	---	3	3	4	---	---	---	90
880	900			---	---				---	---	---	
900	920		--- brecciated from 919-933'	---	15:20	3	3	3	16.3	505	7.72	100
920	940			17:49	19:10	4	4	4	18.1	520	7.71	75
940	960		--- quartz as vein fill	19:20	21:14	4	4	4	16.2	522	7.90	75
960	980			21:20	23:35	4	4	4	16.1	450	7.90	75
980	1000			23:40	01:01	4	3	4	13.5	506	8.21	82

Lithologic Log Summary Well No. RWX- 215

Dates Logged 6/25/2008 – 7/10/2008 **Initials** BC, EC

Location 14441553.63N, 1841693.6E, 6684.77' **Rig Supervisor** C. Brooks

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	GPM
0	20		Weathered LIMESTONE tan to light	---	---							
20	70		gray, with silt and clay	10:30	12:03							
70	90		---75'-85' minor calcite veins	12:03	12:46							
90	105		--- grades to dark gray	13:23	13:52							
135	150		---135'-145' brown weathered zone	14:25	14:42							
150	170			14:42	17:00							
170	190		185'-190' Tan and gray LIMESTONE	05:00	07:46							
190	210		--- dark gray	07:46	08:03							
300	320		---305'-320' brown soft zone	10:57	11:17							
320	340		---drak gray	11:20	11:46							
380	400		370-375' brown soft zone	14:12	15:03							
400	420		420-460' oxidized fractures	15:20	---							
420	440			---	---							
440	460			---	---							
460	480		---calcite vein massive	08:15	---							
480	500		---480-485' mostly calcite	13:53	14:20							
500	520		---495-515' calcite veinlets, iron stain	14:20	14:50							
520	540		515'-540' mixed brown to dark gray	14:55	15:15							
540	560		---545-560' oxidized fractures	15:20	15:38							
560	580		intermittent from 545-595'	15:52	16:11							
580	590			16:16	17:15							
595	600		---gray to dark gray	17:34	17:45							
600	620		Interbedded limestone and siltstone, thin	05:10	08:42							
620	640		chert beds	---	08:42							
640	645		Local calcite veinlets common	08:50	09:22							
645	655			09:22	09:47							
655	660		clastic LIMESTONE grains in fine sand	09:47	10:20				16	412	8	
660	680		matrix, possible fault, trace sulfides	10:35	11:02							
665	670		---1/4" calcite vein	11:02	11:22							
670	680		---675' local recrystallized limestone	12:04	13:04							
680	685		---682'-689' iron oxide staining	13:38	14:42							
690	692			15:10	15:55							
695	700		---700'-710' iron oxide staining	09:04	09:18				16.3	472	7.8	
700	705		700-705' Red orange CLAY, few	09:36	09:40							
710	715		secondary limestone clasts	09:46	10:00							
720	740		725-730' Chert clasts, clay at 734'	10:15	10:45	4.75	4.2	4.53	15.3	413.9	7.89	67
740	760		745-750' stained calcite crystals	---	---							
760	780		777.5-780 red orange clay	13:25	13:43	4.3	4.4	4.9	18.5	449	7.83	66
780	800		--- clay at 796 to 797'	13:53	15:23	4.3	4.1	4.2	17.3	430	7.93	71
800	820		Gray LIMESTONE, minor iron stain	05:10	06:25	4.1	4.2	4.4				71
820	840		Light gray DOLOMITIC LIMESTONE	06:25	08:12	3.8	3.4	4	14.9	432	7.92	80
840	860			08:24	09:28	3.8	3.9	3.8	15.6	438	7.92	78
860	880		---light gray	---	---							
880	900			---	14:10	3.4	3.6	3.6	16.5	424	7.89	85
900	920		--- gray dolomitic limestone, sulfides	---	---							
920	940			---	---							
940	960		Tan LIMESTONE, trace sulfides	---	---							
960	980			---	16:20	3.3	3.7	3.5	15.5	442	7.88	86
980	1000			---	16:49	3.1	3.3	3.5	15.7	438	7.81	91

Lithologic Log Well No. RWX- 219

Dates Logged 8/7/2008 through 8/12/2003 Initials SJ, MT

Location 14441016.89 N, 1857186.35 E, 6611.18' Rig Supervisor Kati Gibler

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow Rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	(gpm)
0	25			---	---	Set 8" diameter steel conductor casing to 20' bls							
25	45		CLAYEY GRAVEL. 70%sand and gravel, 30% plastic clay mixed with lithic clasts of quartzite, dolomite, chert	08:13	---							
45	65			---	---							
65	85		--- 60% sand and gravel	08:38	---							
85	105		--- 60% sand and gravel, with cobbles stratified with 2' lenses of clean gravel with cobbles (100'-200')	---	---							
105	125			---	---							
125	145		CLAYEY SAND: 15% gravel, 60% sand, 25%	---	---							
145	165		CLAYEY GRAVEL stratified with SANDY CLAY: 1'-2' clayey gravel lenses with 2'-3' sandy clay lenses	---	10:03							
165	185			---	---							
185	205		CLAYEY SAND: with gravel stratified in 1'-2' lenses with SANDY CLAY	---	10:25							
205	225			10:26	12:05							
225	245			---	---	< 5 gpm water in hole after break in drilling at 245'							
245	265		CLAY: bluish gray	---	---							
265	285		CLAYEY SAND 65-80% sand and gravel, 20-35% plastic fines	12:02	12:18	First water; not sustainable						
285	305			14:00	14:13							
305	325			14:25	110.0	-	-	23.0	646	8.3	3	13
325	345		CLAYEY argillaceous SAND: 20- 30% plastic fines, 70-80% sand and gravel stratified dark	14:35	14:48	110.0	-	-	23.3	664	7.9	3
345	365			---	15:10	31.0	36.0	109.0	22.4	617	7.9	5
365	385		GRAVELLY SAND, with 15-30% fines, gravel clasts are moderately welded gray tuff	---	15:37	119.0			24.3	615	8.0	3
385	405			---	16:03	19.3	15.7	20.0	23.3	609	8.2	16
405	425		Dark gray argilic MUDSTONE, microcrystalline silica, trace sulfides	---	---							
425	445			---	18:41	14.0	15.2	14.4	15.5	545	8.6	21
445	465		--- possibly fractured, ~40% clay	---	19:17	16.4	16.7	16.7	15.6	535	8.6	18
465	485		Dark gray argilic MUDSTONE with calcareous veinlets	19:36	20:06	14.2	14.2	14.4	14.9	542	8.4	21
485	505		Argilic MUDSTONE: siliceous, microcrystalline, calcite filled veinlets	20:22	20:46	15.3	15.7	16.5	14.8	539	8.5	19
505	525			---	21:23	15.2	15.5	15.9	14.7	547	8.3	19
525	545		---calcite filled fractures.	---	22:04	14.9	14.8	15.0	14.7	552	8.4	20
545	565			---	23:10	13.7	14.2	14.0	13.6	537	8.4	21
565	585		--- fractures	23:25	00:20	11.5	12.3	12.9	14.3	566	8.3	25
585	605			---	01:29	16.8	17.6	18.0	14.8	551	8.4	17
605	610		Calcareous MUDSTONE: gray, with calcite filled fractures.	01:49	05:05	Hammer watered out. Switched to rock bit.						
610	620			05:19	---	11.2	11.3	10.9	13.9	554	8.6	27
620	640		MUDSTONE: siliceous, microcrystalline with disseminated sulfide mineralization. CALCITE filled fractures. Black film on mud pit.	07:53	---	8.8	9.3	8.9	16.3	596	8.1	33
640	660			---	08:35	9.8	9.4	10.4	18.5	590	8.1	30
660	680			09:56	---	10.0	10.0	11.0	17.9	592	8.2	29
680	700			---	10:51	10.0	10.0	11.0	18.3	593	8.1	29
700	720		--- 5% sulfides.	11:01	12:22	11.0	10.0	11.0	20.0	602	8.0	28
720	740		--- hardness 5-6, dark slate gray		13:25	11.0	13.0	14.0	19.7	604	8.2	24
740	760		--- conchoidal fracture, cherty dolomite	13:30	14:35	11.6	11.7	11.5	19.8	604	8.2	26
760	780		--- softer 770-790', no sulfides 770'-800'	---	15:33	9.5	8.4	8.6	19.9	604	8.1	34
780	800			---	16:30	6.8	7.9	7.8	20.7	606	8.1	40
800	820			---	00:34	8.9	9.3	9.8	15.4	565	8.6	32
820	840		--- sulfides	00:52	01:29	10.8	9.9	11.0	15.1	602	8.5	28
840	860		--- gray and black	---	04:14	8.1	8.6	8.8	15.1	596	8.4	35
860	880			---	03:25	9.6	10.3	10.0	14.5	606	8.5	30
880	900		Siliceous MUDSTONE: with pyrite and calcite filled veins	---	04:14	8.1	8.6	8.8	15.1	596	8.4	35
900	920			04:26	05:01	9.0	9.6	9.4	15.0	618	8.4	32
920	940		Calcareous MUDSTONE: fine grained, black, trace disseminated pyrite, chalcopyrite, shaley,	---	05:45	7.2	8.3	8.6	15.3	660	8.4	37
940	960			06:55	07:40	8.7	8.7	8.9	19.3		8.4	34
960	980		sandy LIMESTONE or calcareous QUARTZITE sand: light gray; calcite cement	---	08:30	7.6	7.3	7.6	19.4		8.4	40
980	1000			---	09:35	8.2	8.9	8.8	18.5	660	8.3	35

Lithologic Log Summary Well No. RWX- 220

Dates Logged 8/7/2008 – 8/12/2008 Initials CC, KH

Location 14424094.94 N, 1826674.29E, 6350.84' Rig Supervisor C. Brooks

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	GPM
0	25		0'-55': interbedded LIMESTONE	11:10	11:36	Set 8" diameter steel conductor casing						
20	40		and DOLOMITE	16:30	16:50							
40	60			16:50	19:22							
60	80		50' – 280' Calcareous MUDSTONE	19:22	19:38							
80	100			19:38	20:04							
100	120			20:04	20:20							
120	140			20:20	20:46							
140	160			20:46	21:05							
160	180			21:05	21:19							
180	200			21:19	21:40							
200	220			21:40	21:59							
220	240			21:59	22:19							
240	260		--- slightly altered	22:19	22:38							
260	280			22:38	22:50							
280	300		280' – 950' Calcareous	22:50	23:20							
300	320		MUDSTONE (argilic alteration)	23:20	23:36							
320	340			23:36	00:32							
340	360			00:32	00:58							
360	380			00:58	01:24							
380	400			01:24	02:12							
400	420			02:12	02:33							
420	440			02:33	03:03							
440	460			03:03	03:33							
460	480			03:33	03:57							
480	500			03:57	04:26							
500	520			04:26	04:51							
520	540			04:51	05:15							
540	560			---	---							
560	580		--- calcite filled fractures with	---	07:35							
580	600		increased sulfides	07:35	08:53							
600	620			08:53	09:36							
620	640		---610-640' fractures	09:36	10:38	13.0	13.0	13.0	20.6	665	8.0	23.1
640	660			10:38	14:05	7.0	7.0	7.0	19.8	631	8.2	42.9
660	680			14:05	15:08	7.3	7.0	7.2	19.2	629	8.0	41.9
680	700			15:08	16:51	7.7	7.9	7.6	18.8	614	8.1	38.7
700	720			16:51	19:06	7.6	7.0	7.1	14.6	594	7.8	41.5
720	740			19:06	20:14	7.4	7.2	7.8	14.5	591	7.7	40.1
740	760			20:14	21:18	8.8	7.9	8.1	14.3	580	7.7	36.3
760	780			21:18	22:17	7.1	7.1	6.5	14.3	536	7.7	43.5
780	800			22:17	23:19	5.8	5.8	5.4	13.9	478	7.7	53.0
800	820			23:19	00:25	5.6	5.4	5.1	13.9	481	7.7	56.1
820	840			00:25	01:17	5.8	5.6	5.1	13.3	471	7.7	54.5
840	860			01:17	02:22	4.9	5.2	4.8	13.2	476	7.7	60.6
860	880			02:22	03:30	4.8	4.7	4.7	13.2	465	7.7	63.5
880	900		--- fractures	03:30	04:45	4.0	3.9	3.4	13.1	435	7.8	79.3
900	920			04:45	07:40	2.7	2.2	2.9	14.2	437	8.1	115.4
920	940			07:40	08:17	2.4	2.3	2.7	14.7	460	8.1	121.8
940	960		950' – 1000' LIMESTONE	08:17	09:34	2.2	2.8	2.6	16.0	443	8.0	117.8
960	980		--- fractures	09:34	11:17	1.7	1.6	1.8	19.0	452	8.0	176.5
980	1000			11:17	12:53	1.8	1.8	1.8	20.0	432	8.1	169.2

The static water level measured by fluid resistiviy curves was 124'. Fracture zones were seen in rock chips and or geophysical logs at 560' 610'-640' 790', 900, and 970'bgs.

Lithologic Log Summary Well No. RWX- 222

Dates Logged 9/2/2008 – 9/17/2008 Initials KG, KH

Location 14416286.37 N, 1843978.42 E, 6270.55' Rig Supervisor Kati Gibler

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	GPM
0	40		ALLUVIUM: unconsolidated silt,	15:05	15:39	Set 20' x 8" steel casing						
40	50		sand, and gravel with 5'-10' clayey	07:40	07:58							
50	150		SAND and GRAVEL with sandy clay between 75'-85'	07:58	12:00							
150	160		CLAY	12:08	12:15	160' First water						
160	175		SAND: mostly fine	12:20	12:43							
175	180		SAND and GRAVEL: fine sand to 1	12:43	12:50	18.0	16.0	16.0	19.1	772	7.2	18.0
180	200		mm diameter subangular gravel	14:04	14:46	12.0	11.0	12.0	19.3	442	7.6	25.7
200	220		Interbedded CLAY with SAND and	14:47	15:19	18.0	23.0	22.0	18.0	882	8.8	14.3
220	240		GRAVEL	15:28	15:58	14.0	22.0	60.0	20.1	576	8.2	9.4
240	255			16:06	16:18							
255	260		SAND and GRAVEL	16:18	16:22	9.0	9.0	9.0	16.3	753	8.9	33.3
260	280			16:27	16:51	50.0			17.7	425	8.5	6.0
280	300			06:30	06:50	5.0	4.0	4.0	11.3	447	8.3	69.2
300	305			07:08	07:12							
305	320		CLAY: 40 to 90%	07:12	07:42	No water test due to caving from 295'-305'						
320	325			07:47	07:56							
325	330			07:56	08:03							
330	340		333'-350' GRAVEL and SAND	08:03	08:10	4.0	4.0	4.0	11.6	413	8.6	75.0
340	360		350'-365' CLAY	08:17	08:37	7.0	7.0	11.0	12.4	423	8.4	36.0
360	380		365'-385' GRAVEL and SAND	08:49	09:01	7.0	6.0	5.0	12.6	408	8.7	50.0
380	400		385'-420' CLAY	09:06	09:40	No water discharge						
400	420			12:20	12:44	No water discharge						
420	440		420'-460' GRAVEL and SAND	12:47	12:59	2.4	2.0	2.0	19.8	414	8.8	140.6
440	460			13:01	13:24	3.0	3.4	3.0	16.5	721	8.8	95.7
460	480		--- clay 460'-465'	13:28	13:42	2.0	2.2	1.8	15.1	556	8.8	150.0
480	500		--- clay 485' - 500'	13:47	14:09	No water discharge						
500	520			14:15	14:28	2.0	1.5	2.0	16.7	593	8.8	163.6
535	540			14:42	14:47	1.7	1.0	1.0	15.4	559	8.7	243.2
555	560			15:05	15:09	1.5	1.0	1.0	15.5	580	8.7	257.1
560	580			15:15	15:29	2.7	2.0	2.3	15.8	494	8.7	128.6
580	600			16:32	16:44	1.8	2.0	1.6	18.6	194	8.7	166.7
600	620			16:48	17:01	1.6	1.8	1.8	14.4	653	8.8	173.1
635	640			17:15	17:19	1.8	1.5	1.8	15.8	494	8.7	176.5
640	660		650'-670' CLAY	17:23	17:38							
660	680		670'-680 GRAVEL and SAND	17:44	17:58	2.5	1.8	1.8	17.8	787	8.6	147.5
680	700		680'-725 CLAY	06:36	07:00	1.7	1.5	1.3	15.6	656	8.6	200.0
700	720			07:12	07:32							
---	---			---	---							
720	740		725'-750' GRAVEL and SAND	09:18	09:45	1.5	1.3	1	19.6	306	8.56	236.8
740	760		750'-920' CLAY	09:53	10:11	1.3	1.0	1.2	15.8	404	8.6	257.1
760	780			10:16	10:38	1.2	1.1	1.2	16.0	400	8.6	257.1
780	800			10:45	11:08	1.4	1.2	1.4	17.1	409	8.5	225.0
800	820			11:15	11:32	1.2	1.2	1.1	16.3	420	8.5	257.1
820	840			11:39	11:56	1.2	1.2	1.2	20.5	456	8.6	250.0
840	860			---	---							
860	880			---	---	4.2			17.6	449	8.8	71.4
880	900			14:15	14:55							
900	910			15:02	17:00	Tension cable broke at top head.						

Lithologic Log Summary Well No. RWX- 223

Dates Logged 8/11/2008 – 8/28/2008 Initials CC, DS

Location 14413328.14N, 1852081.65 E, 6267.19' Rig Supervisor C. Brooks

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	GPM
0	40		ALLUVIUM	---	---	Drill and set 8" steel casing to 20' bls						
40	60		Highly weathered MUDSTONE	1833	1952							
60	80			1955	2145							
---	---			---	---							
80	100			2316	30							
100	120			36	215							
120	140			220	406							
140	160			414	930							
160	180			934	1135							
180	200			1143	1405							
200	220			1410	1550							
220	240			1555	1633							
240	260			1831	1925							
260	280			1930	2054							
280	300			2057	2238							
300	320			2244	6	320' First water						
320	340			12	155	15	14	14	14.8	414	8.30	21
340	360		Argillitic MUDSTONE	221	421	10	10	11	13.3	399	8.30	30
360	380		Color ranges from dark gray to black,	410	957	8	8	8	16.6	362	---	38
380	400		Grades from calcitic to siliceous with	1010	1201	7	8	8	16.8	369	8.09	41
400	420		depth. Hardness increases from 5-6 with	1205	1439	7	7	7	17.5	339	7.91	43
420	440		depth. Calcite filled fracture surfaces	1445								
440	460		intermittent.									
460	480											
480	500											
500	520											
520	540											
540	560											
560	580											
580	600											
600	620											
620	640											
640	660											
660	650											
650	655											
655	665											
665	680											
680	685											
685	705											
705	721											
721	725											
725	745											
745	765											
765	785											
785	805											
805	825											
825	845											
845	865											
865	885											
885	905											
905	925											

Lithologic Log Summary Well No. RWX- 223T

Dates Logged 9-10-2008 - 9/25/08 — Initials CB, EC, CM, SJ

Location 14413341.97 N, 1852070.56 E, 6266.09' — Rig Supervisor Kati Gibler

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	GPM
0	40		Light brown SANDY GRAVEL, 1/8"-3/8"	---	---	Set 8" diameter steel conductor casing						
40	65		diameter with silt and clay	---	12:05							
65	85			12:05	14:34							
85	105		70' - 80' more clay, fewer gravel clasts.	14:39	19:37							
105	125		--- clasts with some oxidation	19:41	20:10							
125	145		Weathered ARGILITIC MUDSTONE	20:05	21:26							
145	165		with thin interbedded CLAY layers.	21:29	22:11							
165	185			23:00	23:20	First water 190'.						
185	205		CLAY: with ~40% oxidized mudstone	23:24	23:50	6.4	6.9	8.3				41.7
205	225		--- red brown clay with 1/8" diameter	23:58	0:35							
225	245		mudstone clasts	0:52	1:37	8.2	9.1	8.7				34.6
245	265			1:44	1:50	6.1	7.7	7.8				41.7
265	285			3:10	3:57	13.8	13.9	14.4				21.4
285	305		--- 50% oxidization, sandy, clayey	4:06	5:31	10.0	9.4	10.0				30.6
305	325			6:39	7:43							
325	345		--- weathered and interbedded siliceous	7:49	9:06	9.2	9.3	10.2	16.8	516	8.4	31.4
345	365		to cherty MUDSTONE and thin <5'	9:14	10:46	9.3	8.6	7.4	21.2	515	8.3	35.6
365	385		LIMESTONE with calcite filled fractures.	10:55	13:43	7.3	7.7	8.9	23.8	490	8.1	37.7
385	405			14:35	16:32	6.7	6.8	6.8	22.8	591	8.1	44.3
405	425			16:45	19:19	6.9	5.9	6.7	17.4	485	8.6	46.2
425	445			19:29	21:35	5.6	6.0	5.8	17.4	494	8.4	51.7
445	465			21:44	0:11	6.3	6.9	5.6	17.1	494	8.3	47.9
465	485			0:56	5:07	4.7	5.0	5.5	15.9	390	8.2	59.2
485	505		pyrite, hematite filled fractures.	5:13	10:55	4.6	4.5	5.1	19.9	483	8.3	63.4
505	525			11:08	15:34	5.8	6.0	5.1	20.1	510	8.3	53.3
525	545			15:57	17:44	5.7	5.3	5.6	19.9	454	8.3	54.2
545	565		523' 5% hematite	18:57	22:59	4.8	4.3	4.5	16.6	444	8.4	66.2
565	585		up to 5% iron oxide between 585' to	23:11	2:30	8.7	10.0	10.7	17.4	510	8.6	30.6
585	605		595'	2:41	5:40	9.7	9.9	9.5	17.2	516	8.6	30.9
605	625			8:30	11:10	11.7	11.3	10.2		630	8.2	27.1
625	645			11:20	14:57	11.1	12.9	13.8	21.4	578	8.2	23.8
645	665			15:12	19:30	9.9	10.6	11.3	17.4	498	8.7	28.3
665	685			19:38	1:24	11.8	11.9	12.3	17.9	502	8.8	25.0
685	705		trace pyrite, siliceous	1:36	7:22	10.6	10.4	11.6	17.1	592	8.3	27.6
705	725			7:40	9:28	11.1	12.3	11.8	19.5	582	8.7	25.6
725	745			9:40	13:01	6.8	7.7	8.1	21.2	566	8.6	39.8
745	765			13:10	16:06	6.2	8.7	6.4	21.4	573	8.6	42.3
765	785			15:18	19:54	5.8	6.3	6.4	19.3	558	8.5	48.6
785	805			20:06	22:55	7.8	8.3	7.9	19.2	564	8.7	37.5
805	825			23:07	2:19	6.2	6.4	6.5	19.3	535	8.5	47.1
825	845			2:24	7:16	5.6	4.1	4.1		586	8.6	65.2
845	865			7:27	10:16	7.4	7.4	6.2	21.6	538	8.5	42.9
865	885			10:26	19:40	3.0	2.9	3.3	17.1	505	8.3	97.8
885	905		903' - 904' fractures	19:50	22:13	3.1	3.4	2.9	16.9	484	8.4	95.7
905	925			21:35	1:22	2.9	3.2	3.0	16.3	485	8.4	98.9
925	945			1:33	4:27	2.8	2.8	2.8	14.6	502	8.4	107.1
945	965		Slightly fractured MUDSTONE with little	3:45	9:41	2.8	2.7	3.1	18.2	488		104.7
965	985		to no clay	9:58	13:04	3.0	2.9	3.0	19.9	285		101.1
985	1000			12:20	15:26	3.5	3.0	3.0	17.6	517		94.7

Lithologic Log Well No. RWX- 228

Dates Logged 7/30/2008 – 8/5/2008 Initials KG, DS, MT

Location: 1839494.4 E, 14431143.3 N, 6409' Rig Supervisor: C. Brooks

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow Rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	(gpm)
0	20		SILT and CLAY	07:30	08:10	Set 8" diameter steel conductor casing						
20	40		Sandy GRAVEL with SILT; clasts <2.5mm diameter	11:29	12:08							
40	60			12:10	-							
60	80		Gravelly SAND; fine grained with ~10% gravel	12:32	-							
80	100			-	-							
100	120		Fat CLAY with SAND and few gravel	13:50	14:18							
120	140		GRAVEL with SAND; <3cm clasts	-	-							
140	160		--- 145-150' CLAY	14:40	-							
160	180			-	15:38							
180	200		SAND and GRAVEL	-	15:56							
200	220		--- 2.5 cm gravel to coarse sand	16:03	-							
220	240		--- oxidized zone	-	16:19							
240	260		Gravelly SAND, trace fines	16:57	-							
260	280		--- minor clay over interbedded sand and gravel	17:31	17:50							
280	300			19:02	-							
300	320		Coarse SAND	19:07	19:58	First sustainable water, 20 gpm						
320	340		SAND and GRAVEL	20:08	20:32	12.0	13.0	13.0	14.9	500	8.0	24
340	360		--- few gravel	-	21:10	11.0	10.0	10.0	12.5	435	8.2	29
360	380			-	21:53	9.0	8.0	9.0	12.6	439	8.1	35
380	400		SAND and GRAVEL	-	22:38	8.0	8.0	8.0	12.5	429	8.1	38
400	420		1/4" yellow clasts	22:43	23:16	8.0	8.0	8.0	12.7	426	8.1	38
420	440			-	00:28	8.0	7.0	8.0	12.1	410	8.1	39
440	460			-	01:08	7.0	6.0	6.0	12.0	406	8.1	47
460	480		--- few 1/2" to 1" gravel	01:16	01:44	7.0	7.0	7.0	12.1	413	8.1	43
480	500		--- increased fines	02:01	02:26	8.0	7.0	6.0	12.4	399	8.1	43
500	520			-	03:03	9.0	8.0	7.0	12.3	391	8.2	38
520	540			-	03:35	6.0	6.0	5.0	12.3	400	8.1	53
540	560			-	04:10	6.0	6.0	6.0	12.2	386	8.2	50
560	580			-	04:44	7.0	6.0	6.0	12.5	377	8.0	47
580	600			-	05:21	7.0	6.0	6.0	12.5	377	8.0	47
600	620		SAND and GRAVEL with CLAY	07:45	08:22	3.1	3.0	3.3	14.2	423	8.1	96
620	640			-	09:20	3.1	3.0	2.7	15.4	446	8.2	102
640	660		--- 50% coarse grained sand, 20% gravel	19:20	---							
680	700		Gravelly SAND: medium-coarse, 1/4" diameter gravel	23:32	06:00	Lost circulation. Drilling fluids and water was lost in fractures						
695	700			10:50	10:58	3.0	3.0	3.0	14.1	311	8.3	100
700	720			11:07	11:44	2.0	2.0	2.0	14.6	374	8.6	150
720	740		--- 736'-737' CLAY	12:01	12:34	No test, circulation blocked.						
740	760			12:57	13:30	2.0	3.0	2.0	14.4	291	8.28	129
760	780			13:38	---							
780	800		--- 795-797' CLAY	---	15:08	3.0	3.0	2.0	13.2	318	8.3	113
800	820		Gravelly SAND, medium to fine grained, < ½' diameter angular to subangular gravel	15:19	16:01	2.0	2.0	2.0	13.0	316	8.4	150
820	840			16:10	16:43	2.0	2.0	2.0	13.6	301	8.4	150
840	860		Sandy GRAVEL , subangular to subrounded clasts, 1/2" diameter, 35% with medium to coarse sand <55%, ~10% clay clasts	16:52	---	2.0	1.9	1.9	13.6	283	8.4	155
860	880			18:52	19:57	2.5	2.0	2.1	13.5	256	8.4	136
880	900			20:08	20:43	2.5	2.4	2.5	14.4	207	8.6	122
900	920			21:02	21:45	2.0	2.5	2.0	13.5	257	8.5	138
920	940			21:59	22:36	2.5	2.5	2.5	13.2	296	8.5	120
940	960			22:47	23:35	2.4	2.0	2.0	13.1	305	8.4	141
960	980			23:50	00:36	2.5	2.5	2.4	13.1	356	8.5	122
980	1000			00:48	02:23	2.4	2.4	2.4	13.8	339	8.6	125

RWX-228T
Lithologic and Water Production Log

Location: E1820441.6 N14431105.6
Dates Logged: 8-19-2008 through 8-24-2008

Initials KH,TR
Supervisor: C. Brooks

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	GPM
0	40		ALLUVIUM	09:35	12:10	Set 20' x 14" diameter steel casing						
40	60		SAND: coarse, poorly graded, sub-rounded,	18:33	19:52							
60	80		few dark gray & brown gravel, limestone clasts.	19:54	21:45							
80	100			23:16	00:30							
100	120			00:36	02:15							
120	140			02:20	04:06							
140	141			04:14	04:28							
141	160		GRAVELLY SAND: sub-rounded to sub-	06:50	09:30							
---	---		angular, ranging from 1/4" to 1/2".	---	---							
160	170			09:34	---							
170	180		GRAVELLY CLAY: brown with well graded up to	---	11:35							
--	--		3/4" angular gravel.	---	---							
180	200		GRAVELLY SAND: gray to black, sub-rounded	11:43	14:05							
200	220		to sub-angular, with some fines (clay).	14:10	15:50							
220	225			15:55	16:33							
225	240			18:31	19:25							
240	260		--- thin CLAY layers (6 to 12" thick).	19:30	20:54							
260	280		--- rounded GRAVEL up to 1"	20:57	22:38							
280	300			22:44	00:06							
300	320			00:12	01:55	15	14	14	14.8	414	8.0	21.3
320	340		--- smooth rounded up to 2"	02:21	04:21	10	10	11	13.3	399	8.0	29.6
340	360			07:10	09:57	8	7	8	16.6	362.0	10.1	37.7
360	380			10:10	12:00	7	8	8	16.8	369	8.1	40.9
380	400			12:05	14:39	7	7	7	17.5	339	7.9	42.7
400	415		--- trace clay	14:45	16:45							
415	420		--- larger GRAVEL up to 2.3"	18:45	19:32	7	6	7	13.1	350	--	45.9
420	440		--- more GRAVEL with occasional boulder size	19:43	22:15	6	6	6	13.1	345	--	50.0
440	460		rocks (bit chatter)	22:22	01:18	6	5	6	12.3	352	--	52.3
460	480			01:29	04:05	5	6	6	12.1	342	--	54.2
480	500			04:14	05:52	6	5	5	14.4	345	--	58.1
500	520			08:15	10:10	5	5	5	16.4	378	--	61.2
520	540			10:15	12:09	4	4	4	16.7	392	--	71.4
540	560			12:16	14:35	5	4	5	18.1	351	--	67.7
560	575			14:42	16:45	Rig Maintenance						
575	580			18:50	19:53	4	4	4	12.7	399	8.3	76.1
580	600			20:19	22:38	4	4	4	12.7	408	8.3	78.6
600	620		--- 597' CLAY, easy drilling, 600 to 605'	22:52	01:03	4	4	4	12.5	400	8.3	81.2
640	660		--- 642' large chips, clay on fractures	01:17	04:45	4	5	4	12.7	245	8.3	68.2
660	680			07:05	08:45	3	3	3	16.2	535	7.2	95.7
680	700			09:00	10:55	3	3	3	18.2	407	7.4	100.0
700	720		--- CLAY at 705'. SILTY CLAY 710 to 713'	11:00	14:40	3	3	3	16.7	407	7.9	107.1
720	740			---	19:47	4	3	2	14.1	373	8.2	101.8
740	760		--- 745' increase in SAND, 758' CLAY	20:01	22:10	2	3	3	12.6	379	8.3	118.0
760	780			22:40	00:32	2	2	2	12.3	350	8.5	136.4
780	800			00:42	03:02	2	2	2	11.6	331	8.4	136.8
800	820		--- CLAY at 795', 802', and 808' stiff	03:10	04:45	3	3	2	11.9	291	8.3	109.6
820	840			07:05	09:00	2	2	2	16.6	410	8.1	128.6
840	860		GRAVEL, SAND	09:11	12:42	2	2	2	17.8	392	8.1	138.5
860	880		--- CLAY at 870'	12:54	14:12	2	2	2	17.5	348	8.1	135.5
880	900		SILTY CLAY; with some fine sand	14:20	15:45	2	2	2	18.3	332	8.2	145.2

Notes: drill chatter observed at 375', 387' 491', 557', 576', 586', 670', 679', 695', 730', 748', 754', 780', 795', 813', and 879', indicating the presence of cobble size clasts.

Lithologic Log Summary Well No. RWX- 229T

Location 1820441.6 E, 14431105.6N

Rig Geologist Initials CC, TWR, KJH
Supervisor: C. Brooks

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	GPM
0	40		ALLUVIUM	12:50	22:05	Set 20' x 14" diameter steel casing						
40	60		50'-60' CLAY	22:12	22:29							
60	80		GRAVEL with SAND: subangular	22:32	23:00							
80	100		clasts of quartzite, limestone, and	23:02	23:35							
100	120		volcanic clasts.	23:39	0:08							
120	140			1:35	2:03							
140	160		140'-145' and 155' to 160' CLAY	2:06	2:28							
160	180		Interbedded GRAVEL with SAND	2:32	3:08							
180	200		and thin CLAY layers.	3:12	4:35							
200	220		215' - 220' CLAY with 20% gravel	4:45	5:13							
220	240		---up to 30 mm angular to subangular	7:20	7:43							
240	260		GRAVEL	7:46	8:16							
260	265		---10% CLAY from 260' to 265'	8:20	8:46							
265	280		GRAVEL with SAND	8:51	---							
280	300		---20% clay	---	9:12							
300	320		---315'-320' more GRAVEL, >10mm diameter	9:18	9:45							
320	340		---up to 15mm clasts	10:26	11:10	8.0	8.2	8.5	16.9	460	8.4	36.4
340	360		---345' - 355' angular, less gravel	11:25	12:47	8.0	7.3	6.3	16.7	451	8.4	41.7
360	380		---angular to subangular, up to 15mm diameter GRAVEL	12:57	14:28	5.7	5.8	5.9	15.1	446	8.3	51.7
380	400		370' - 375' <10% CLAY	14:35	16:09	5	5.2	5.8	15.3	452	8.4	56.3
400	420		---up to 20mm GRAVEL	16:17	17:10	5.1	5.6	5.2	15	443	8.3	56.6
425	440			18:12	19:22	5.2	5.2	5.5	13.6	422	8.4	56.6
440	460		GRAVEL with SAND: subangular to	19:34	20:56	4.8	5.9	5.6	13.0	434	8.4	55.2
460	480		angular up to 2" diameter.	21:05	22:16	4.9	5.2	4.7	13.1	438	8.4	60.8
480	500			22:26	0:09	4.3	4.3	4.3	12.6	432	8.4	69.8
500	520			0:17	1:41	4.5	4.3	4.8	12.2	428	8.3	66.2
520	540		---545'-555' with some clay	1:48	3:09	3.9	4.5	4.5	11.3	417	8.4	69.8
540	560		---trace CLAY	3:19	4:37	4.7	4.5	4.3	12.6	385	8.5	66.7
570	580		---up to 10mm GRAVEL	7:45	8:50	4.3	4.2	3.6	14.9	437	8.4	74.4
580	600		---trace CLAY	9:02	10:28	3.0	3.7	3.4	15.7	425	8.3	89.1
600	620		---600' - 610' more CLAY	10:37	12:05	3.1	3.1	2.9	15.6	439	8.3	98.9
620	640		---625 to 640 CLAY increases	12:15	13:15	2.6	2.6	2.8	14.9	448	8.3	112.5
640	660		plasticity increase	13:26	14:46	2.5	2.6	2.6	14.6	461	8.3	116.9
660	680		CLAY, brown fat	14:57	16:15	2.3	3.0	2.7	14.7	454	8.3	112.5
696	700		SAND with angular to subangular	18:50	19:08	2.8	3.0	2.4	14.1	426	8.4	109.8
700	720		GRAVEL and CLAY	19:19	21:38	3.2	2.9	3.0	12.8	424	8.4	98.9
720	740		720' little CLAY	21:49	23:18	3.2	2.9	3.0	12.4	424	8.3	98.9
740	760		SANDY CLAY	23:28	0:46	2.9	3.0	2.8	12.7	425	8.3	103.4
760	780		coarse poorly graded SAND with	0:56	2:32	2.6	2.6	2.8	12.7	425	8.3	112.5
780	800		GRAVEL and CLAY	2:40	4:33	2.5	2.6	3.0	12.5	441	8.3	111.1
815	820			10:42	11:10	2.7	2.7	3.0	15.8	508	8.3	107.1
820	840		815' trace CLAY	11:17	12:30	2.4	2.7	2.5	15.1	463	8.2	118.4
840	860		up to 15mm diameter GRAVEL	12:45	14:09	2.6	2.8	2.8	15.4	418	8.3	109.8
860	880			14:20	16:00	3.0	2.8	3.1	15.4	405	8.3	101.1
880	900			16:15	17:05	2.9	2.8	2.6	14.6	426	8.3	108.4

631	638			2010	2050								
638	644			2050	0530								
644	645		--- 640' minor oxidation, quartz veinlets, disseminated traces of molybdenum,	0700	0800								
645	647		sphalerite, pyrite	0800	0945								
647	649			0945	1147								
649	650			1203	1315								
650	651			1315	1420				24.7	439	7.7		
651	653.5			1420	1720				24.5	478	7.7		
653.5	664		--- 655' pyrrhotite, pyrite	1915	0525								
664	665		--- 660' molybdenum	0730	0837								
665	667			0837	1030								
667	670			1030	1341				25.7	562	7.9		
670	672			1341	1537				27.7	492	8		
672	675		--- 670' molybdenum, pyrite, pyrrhotite	1537	1730								
675	680			1405	0029								
680	683		--- less sulfides	0046	0529								
683	685			0700	0922				24.1	896	7.7		
685	687			0922	1146								
687	688			1146	1405								
688	690			1405	1610								
690				1610	1730								

General Moly, INC. DAILY WATER WELL DRILLING LOG 235P

CONTRACT		WELL NO		DATE	3/4/2008
LOCATION/CODE		235P		CONTRACTOR	Eklund
TIME	START OF WORKING HR	END OF WORKING HR		WEATHER	Cold Warm Snow Melt
DATE				DURATION OF RAINFALL	
DEPTH OF HOLE(ft)				GEOPHYSICS	
DEPTH CASED (ft)				REF. POINT	

LITHOLOGICAL BOUNDARIES AND SAMPLES OF FORMATION

DEPTH OF CONTACT ZONE		DRILLING PROCESS			DESCRIPTION OF FORMATION	YIELD (gpm)	REMARKS (Drilling Methods Including Change of Bit)
DEPTH	SAMPLE	FROM	TO	SPEED			
0-27	Y				Alluvium-Light brown sandy silt with some gravel-mostly mudstone at 0-20' with shale (dark grey) gravel to 27'		Set 8" surface casing
27-50					Ordovician vinini-Dark grey highly weathered mudstone with brown oxidized faces		
50-150					Ordovician vinini-Dark grey mudstone - fractured from 100'-110' with minor quartz layers		
150-195					Ordovician vinini-Dark grey to black mudstone with trace quartz and possibly calcite		Blew on pipe no water
195-595					Ordovician vinini-Dark grey to black fractured mudstone/shale with trace white mineralization (quartz and/or calcite)	25	at 440' /changed at 525'
595-630					Ordovician vinini-Highly mineralized with calcite on old faces	19	at 620' /Fractured-lighter gey in color. 600' blew on pipe <1gpm 620' blew on pipe ~2gpm, Ec-86.5, T-56 at PH-6.5 Sample taken
630-645					Ordovician vinini-Dark grey mudstone - less calcite		
645-775					Ordovician vinini-Dark grey mudstone with varying thin layers of quartz and some calcite		
775-785					Ordovician vinini-Dark grey to black mudstone finer chips almost no mineralization		
785-865					Ordovician Vinini-Dark grey mudstone, some pyrite and trace quarts	39	at 860'
865-930					Ordovician Vinini-Dark grey mudstone, very fine alternating layers of light grey	60	At 900' Dark grey water
930-960					Ordovician Vinini- Dark grey and light mudstone some green oxidized with euhedral pryite crystals		Discharge is lighter grey
960-1120					Ordovician Vinini-Black-Dark grey finer chips, still with subhedralpyrite		Black discharge sulfur odor again
1120-1140					Ordovician Vinini-Light grey mudstone	88	PH-8.68, T-63.6F, Ec-626mC
1140-1500					Ordovician Vinini-As above	110	PH-8.6, T-63.6F, Ec-664mC
							120gpm at 1420', PH-8.41, T-64.1F, Ec-636mC

Summary Lithologic Log Well No. TM-B

Dates Logged 10/29/2008 to 11/7/2008 — Initials KG, EC, CB, KH

Location: 11S 574019E, 4395886N, 6598' — Supervisor: Kati Gibler

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Drill Rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	min/ft
0	20		unconsolidated ALLUVIUM	18:32	19:10							1.9
20	40		MUDSTONE: microcrystalline, dark grey	---	---							
40	60			---	14:22							
60	80			14:22	15:37							3.8
80	100			15:37	16:45							3.4
100	120			16:45	---							
120	140			---	---	Lost circulation at 2055 to 445						
140	160			---	---							
160	180		hardness increasing, chips are 10 to 15	---	---							
180	200		mm	---	12:15							
200	220		very hard	12:15	14:39							7.2
220	240		calcareous	14:39	---							
240	260		glassy luster, calcite veinlets	---	21:55							
260	280		few shaley partings, less calcite	21:55	23:13							3.9
280	300			23:04	---							
300	320		smaller cuttings (1 to 2 mm diameter),	---	04:35							
320	340		glassy luster is more prominent, less	---	03:02							
340	360		calcareous	04:35	---							
360	380			---	11:15							
380	400		decrease in hardness. No HCl reaction	11:15	---							
400	420			---	15:47							
420	440			15:47	18:25							7.9
440	460			18:25	23:22							14.9
460	480			23:22	02:20							8.9
480	500		trace silica	02:30	08:42							18.6
500	520		calcareous, hardness 5 to 6	08:42	12:32							11.5
520	540		trace silica	12:32	17:30							14.9
540	560			17:30	20:47							9.9
560	580		dark grey with calcite	20:47	00:22							10.8
580	600			00:22	05:38							15.8
600	620			05:38	---							
620	640		competent	---	01:02							
640	660			01:02	---							
660	680			---	10:45							
680	700		trace silica, fine chips (1-2mm), H=6	10:45	---							
700	720			---	00:03							
720	740		hardness > 6	00:03	06:30							19.4
740	760			06:30	15:30							27.0
760	780			15:30	19:30							12.0
780	800			19:30	00:36							15.3
800	820			00:36	03:25							8.5
820	840			03:25	06:53							10.4
840	860		trace pyrite crystals locally	06:53	09:21							7.4
860	880			09:21	11:43							7.1
880	900			11:43	14:38							8.8
900	920		1-2mm chips, trace calcite crystals, H=5-	14:38	16:34							5.8
920	940		6	16:34	20:45							12.6
940	960			20:45	00:11							10.3
960	980			00:11	05:40							16.5
980	1000			05:40	08:47							9.4

Note: No flow rate or water chemistry data were collected due to the use of drilling mud. Mud viscosity was held between 50 and 58 seconds
The penetration rate has been calculated in the last column.

Detailed Lithologic Log Well No. TFX-2

Dates Logged 11/20/2008 to 12/2/2008 — Initials KH, KG, EC, SJ
Location: 11S 573386E, 4398079N — Supervisor: Kati Gibler

Depth Interval		Rock Sym	Rock Type	Drill Time		Comments	Drill Rate
From	To			Start	Finish		min/ft
0	20		SILT	20:55	21:40	Install surface casing. Wait for cement to cure.	2.3
20	40		Shaley MUDSTONE: yellowish brown,	03:30	04:28		2.9
40	60		CLAYSTONE: brown with yellow clay filled fractures.	04:28	05:03		1.8
60	80			05:14	06:09		2.8
80	100		MUDSTONE: brown, 20% SILT, 10% fractures with clay fill, iron stain,	06:09	07:20		3.6
100	120			07:20	09:32		6.6
120	140		MUDSTONE with QUARTZITE: silica cement, clay filled fractures.	09:32	10:14		2.1
140	160			10:14	11:54		5.0
160	180		MUDSTONE: calcite filled fractures,	--	16:09		---
180	200		oxidized, weathered, few shaley partings.	16:09	17:39		4.5
200	220			17:39	18:32		2.7
220	240		--- more calcite.	18:32	19:47		3.8
240	260			19:47	21:17		4.5
260	280		--- fracture.	21:17	22:23		3.3
280	300			22:23	23:55		4.6
300	320			23:55	01:46		5.6
320	340		--- dark gray, moderately indurated, h=	01:46	06:39		14.7
340	360		5.5, 5 to 15% silt, silica cement, silica	06:39	07:34		2.8
360	380		filled fractures, trace carbon.	07:34	08:18		2.2
380	400		--- trace disseminated pyrite, variable	08:18	09:28		3.5
400	420		hardness 4 to 6.	09:28	11:20		5.6
420	440		--- softer clayey beds.	11:20	12:08		2.4
440	460		--- trace carbon.	12:08	13:22		3.7
460	480		--- smaller cuttings	13:22	17:13		11.6
480	500		--- trace clay.	17:13	19:31		6.9
500	520			19:31	21:54		7.2
520	540			21:54	23:30		4.8
540	560			23:30	01:21		5.5
560	580			01:21	03:14		5.7
580	600		--- slightly fissile to non-faminated	03:14	06:20		9.3
600	620		Fracture 618'.	06:20	08:03		5.2
620	640		--- trace calcite, pyrite	08:03	11:38		10.8
640	660		Fracture 641.	11:38	13:43		6.3
660	680		--- no pyrite.	13:43	15:31		5.4
680	700			15:31	16:41		3.5
700	720		--- siliceous, cherty	16:41	18:43		6.1
720	740		--- conchoidal fracture.	18:43	20:16		4.7
740	760			20:16	22:17		6.1
760	780			22:17	00:21		6.6
780	800			00:21	02:27		6.3
800	820		trace pyrite.	02:27	05:36		9.5
820	840		high percentage of silica.	05:36	09:15		11.0
840	860			03:05	05:00	Prepare for days off. Clean and winterize mud hoses, pump and tank. Trip out to 85'.	5.8
860	880		fractures 861 - 868, 10% silt.	05:00	07:30		7.5
880	900			07:30	12:36		15.3
900	920			12:36	19:34		20.9
920	940		--- no apparent fractures.	19:34	22:32		8.9
940	960			22:32	02:42		12.5
960	980			02:42	05:31		8.5
980	1000			05:31	07:53		7.1

Note: No flow rate or water chemistry data were collected during drilling due to the use of drilling mud. The drilling mud viscosity was held between 44 and 58 seconds by adding max gel, polypac R, and water to the drilling mud. The penetration rate has been calculated in the last column.

Summary Lith Log

Lithologic Log Summary Well No. TXF-3

Dates Logged 10-4-2008 to 10-7-2008 Initials CB, EC, KG

Location: 6740', Zone 11S 0573608E, 4097707N UTM taken with eTREX Rig Supervisor: Kati Gibler

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	PH	(gpm)
0	20		sandy **SILT**: with thin interbeds of GRAVEL	12:25	12:35	Installed 6" diameter steel casing.						
20	40			14:15	14:23							
40	60		20' Clayey **MUDSTONE:** weathered	14:25	14:32							
60	80		--- fractured grey and tan MUDSTONE, with iron staining, very thin calcite vein fill at 70'	14:34	14:40							
80	100			14:43	14:49							
100	120			14:52	14:57							
120	140		135' to 165' **transition zone** to dark grey MUDSTONE, 145' -155' large chips.	15:05	15:10							
140	160			15:14	15:20							
160	180			15:23	15:39							
180	200			15:42	15:48							
200	220			15:51	15:57							
220	240		Dark gray **argillite MUDSTONE**, hardness of 6, silicic cementation, trace secondary iron sulfide crystals as large as 3/8"	16:00	16:06							
240	260			16:09	16:15							
260	280			16:19	16:25							
280	300			16:30	16:37							
300	320			16:41	16:49							
320	340		---340', minor fat clay in return	16:53	17:01							
340	360			17:46	17:57							
360	365			18:03	18:06							
365	380			18:06	18:14							
385	400		380' to 420' Fracture zone containing higher concentrations of sulfides	18:24	18:36							
400	405			18:36	18:38	22	24	27	16.7	993	06:43	12.3
405	425		Dark gray **MUDSTONE:** hard	18:47	19:20	24	26	25	16.7	988	8.4	12.0
425	445			19:26	19:39	29	30	39	16.9	970	8.5	9.2
445	465		--- 450' softer MUDSTONE	19:49	20:00				16.8	995	8.5	
465	485			20:08	20:27				16.5	1044	8.2	
485	505		--- 495' to 505' softer, increased water	20:38	20:56	16	17	18	15.7	1108	8.46	17.8
505	525			21:21	21:57	15	17	15	15.2	1069	8.4	19.1
525	545		--- 535' to 565' softer, increased water production	22:14	22:56	15	16	17	15.5	1091	8.3	18.6
545	565			00:34	00:46	9	8	9	13.8	1070	8.2	33.6
565	585		--- hard dark grey with microcrystalline	01:00	01:13	10	12	14	14.1	1052	8.1	24.9
585	605		--- fracture 589'	01:25	01:34	24	24	23	14.4	1016	8.1	12.7
605	625		--- pyrite, carbonaceous, with microcrystalline quartz	01:48	02:00	Drill string stuck at 0200 hrs. dislodged pipe.						
625	645			16:05	16:28	Installed rock bit. See detail log.						
645	660			16:28	16:39	12	12	12	20.3	986	7.8	25.0
660	680			17:38	02:06							
680	700		--- 700' to 740' fractured zone containing quartz and pyrite veinlets. Increased water production.	02:50	03:15	4	4	5	13.5	1168	7.9	68.2
700	720			03:27	03:40							
720	740			06:10	06:30	4	3	3	14.7	369	7.7	87.4
740	760		shaley. 755' - 785' fractured.	07:15	07:37	4	4	4	16.3	392	7.5	79.6
760	780		blocky **MUDSTONE** with quartz and pyrite veinlets	07:44	09:27	4	4	4	17.0	422	7.5	75.0
780	775			10:03	10:29	5	4	4	21.1	409	7.7	70.3
800	820		810' - 815' fractured mudstone	10:38	11:09	10	10	10	20.1	487	7.7	30.0
820	840		835' - 836' **QUARTZITE**	11:28	12:30	4	4	4	19.7	471	7.7	75.0
840	860			12:39	13:20	4	4	4	20.4	501	7.4	73.8
860	880			13:23	13:58							

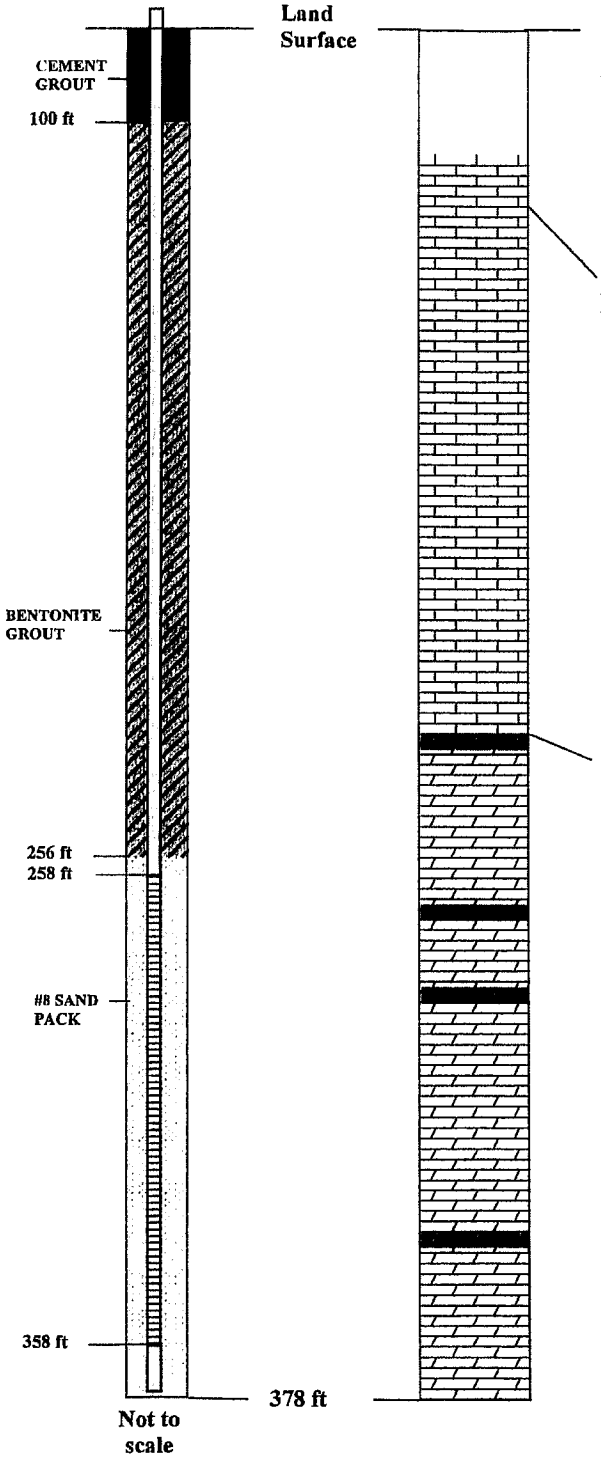
Lithologic Log Summary Well No. TXF-4

Dates Logged 9/2/2008 – 9/3/2008 Initials CB, EC

Location: Rig Supervisor: Kati Gibler

Depth Interval		Rock Sym	Rock Type	Drill Time		Water Production			Water Quality			Flow rate
From	To			Start	Finish	Sec	Sec	Sec	T	K	pH	)
0	20		Light brown, highly weathered	13:26	13:35	Installed 6" diameter steel casing						
---	---		MUDSTONE	---	---	Rig geologist: Evan Champa 10/2/08						
20	25			17:50	17:52							
25	45			17:55	18:02							
45	65		Fine grained, black to grey	18:05	18:11							
65	85		MUDSTONE, with trace sulfide	18:16	18:21							
85	105		crystals	18:25	18:31							
105	125			18:36	18:41							
125	145		---120' -150', color grades from	18:45	18:51							
145	165		black to gray	18:55	19:04							
---	---		---160', larger chips, open fractures,	---	---							
165	185		color grades to black	19:08	19:17							
185	205			19:21	19:28							
205	225			19:34	19:42							
225	245			19:46	19:55							
245	265			20:00	20:09							
265	285			20:15	20:26							
---	---			---	---							
285	305		---302', open fractures	20:36	20:47							
305	325			20:50	20:58							
325	345		---325', open fractures	21:13	21:24							
345	365			21:36	21:47							
365	385			22:01	22:13	19	20	21	17.9	1756	8.08	15
385	405			22:31	22:44	32	29	30	17.4	1721	8.10	10
405	425			22:50	23:02	28	29	30	16.8	1689	8.04	10
425	445			23:13	23:24	23	26	30	16.9	1627	8.02	11
445	465		---449'-455', open fractures	23:36	23:47	18	20	20	16.5	1646	8.04	16
465	485			23:54	00:05	17	15	18	16.2	1603	8.1	18
485	505			00:14	00:26	14	17	16	16.2	1616	8.0	19
505	525			00:36	00:48	15	15	16	16.3	1658	8.02	19
525	545			00:56	01:08	12	12	13	16.2	1673	8.00	25
545	565			01:16	01:25	12	12	11	15.3	1654	7.88	26
565	585			01:46	01:56	11	12	11.1	15	1632	7.94	26
585	605			02:13	02:25	12	12	13	15.0	1541	8.05	25
605	625			02:35	02:46	14	13	13	15.0	1508	8.01	23
625	645			02:56	03:09	15	12	12	15.1	1513	8.00	23
645	665			03:16	03:27	11	27	42	15.3	1468	7.97	11
665	685			03:38	03:48	11	13	13	14.8	1472	8.03	24
685	705			03:55	04:10	14	11	11	13.6	1446	8.07	25
705	725			04:18	04:30	9	9	10	13.9	1498	8.02	33
725	745			04:36	04:48	8	9	9	14.2	1545	7.98	36
---	---			---	---	Rig Geologist: Courtney Brooks 10/3/08							
745	765		Dark gray MUDSTONE, trace	05:40	05:51	9	8	9	13.6	1506	7.97	35
765	785		sulfide crystals locally up to 3mm in	06:00	06:13	8	8	8	15.1	1486	7.96	39
785	805		diameter, fractures to 800'	06:20	06:32	9	8	8	15.0	1439	7.98	38
805	825			06:39	06:52	9	8	8	15.2	1263	7.98	35
825	845		---830', trace sulfide and calcite	07:00	07:10	8	8	8	15.4	1267	7.95	39
845	865		crystals locally up to 2mm in	07:17	07:30	9	9	9	14.6	1280	7.97	33
865	885		diameter	07:38	07:50	8	8	8	15.6	1286	7.94	38
885	905			07:58	08:11	8	9	9	16.4	1310	7.97	36
905	925			08:19	08:32	8	8	8	15.7	1367	7.96	39
925	945			08:40	08:54	9	9	8	15.9	1345	7.96	35
945	965			09:03	09:13	8	8	8	15.7	1312	7.93	37
965	985			09:22	09:32	8	7	7	15.8	1293	7.95	42
985	1000			09:42	09:53	8	8	8	15.6	1233	7.92	39

SUMMARY COMPLETION LOG FOR RWX—LOWER ROBERTS CREEK MW

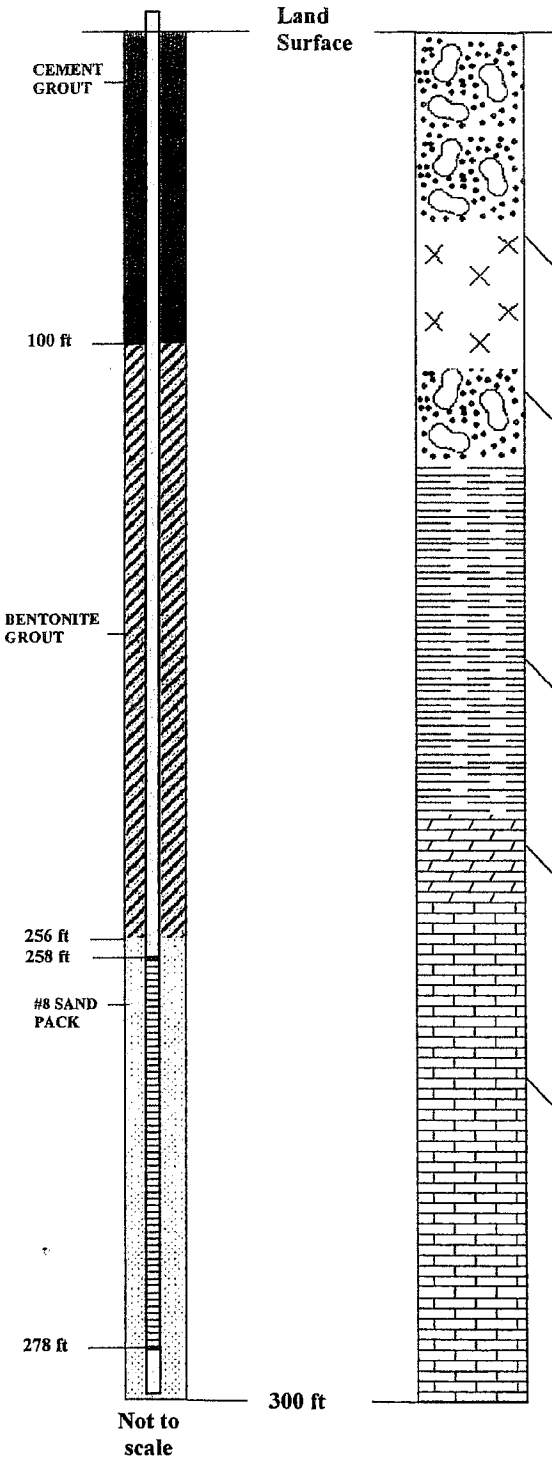


0.0 to 30 ft LIMEY CLAY - Light gray color. Grades to highly weathered LIMESTONE. Rock chips display a strong acid reaction.

30 to 220 ft LIMESTONE - Massive, fine grained limestone, with secondary calcite crystals present in fractures. Color of rock chips is variable, ranging from predominantly gray to olive and tan in fracture zones. Secondary mineralization occurs as iron staining and calcite coatings on fracture surfaces at 89 ft, 148 ft and 180 ft bls. Rock chips exhibit a moderate to strong acid reaction.

220 to 378 DOLOMITE - Light to medium gray, fine grained dolomite, characterized by oxidation on fracture surfaces at 220 ft, 275 ft, 285 ft and 345 ft bls. A brecciated zone occurs from 285 to 290'. Rock chips exhibit a week acid reaction. First sustainable water was encountered at 245 ft. The maximum air-lifted flow rate of 86 gpm was measured at 405 ft.

SUMMARY COMPLETION LOG FOR RWX—MIDDLE ROBERTS CREEK MW



0.0 to 65ft CLAYEY GRAVEL - brown, comprised of approximately 70% sand and gravel and 30% plastic greenish yellow clay below 20 ft, which grades to a.saprolite indicated by a zone of relict 1mm amphibole in a highly weathered siliceous groundmass. Rock chips display a strong acid reaction.

65 to 105ft DACITE - aphanitic felsic groundmass with euhedral amphibole phenocrysts, 1mm length 0.2 to 0.5 mm diameter.

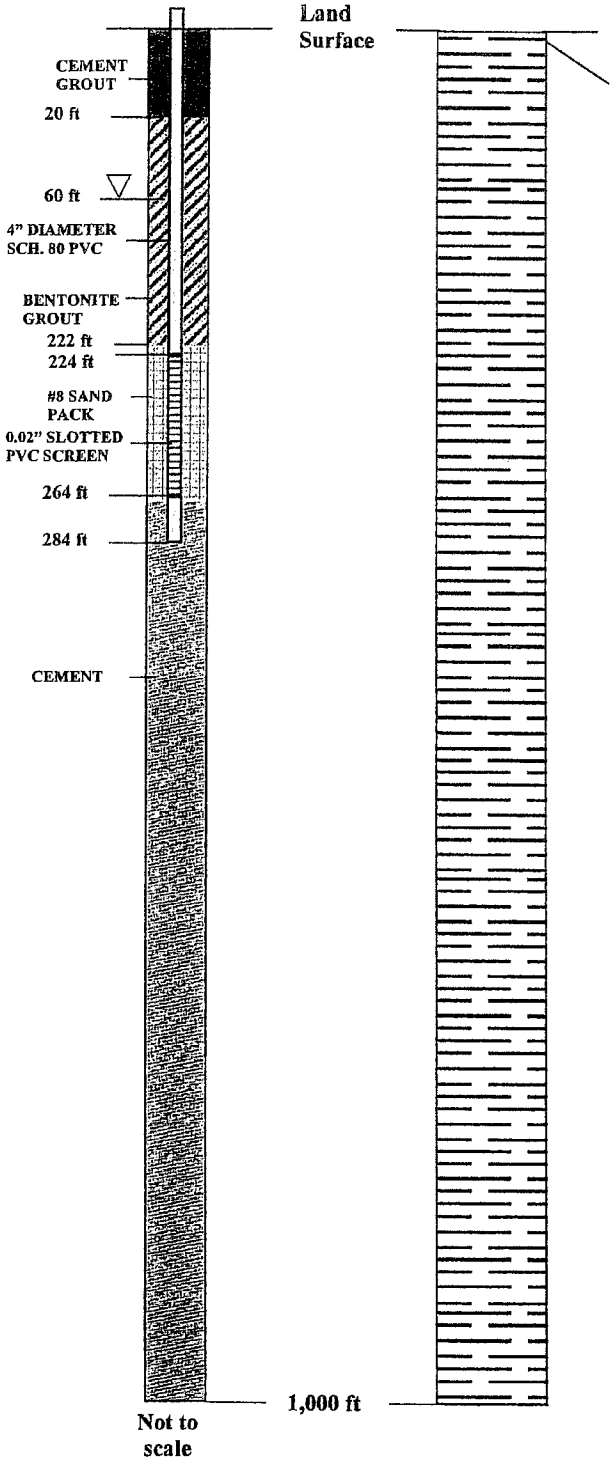
105 to 120ft CLAYEY GRAVEL - stratified, grades from pinkish to blueish gray at 105', 70% subangular limestone, quartz amphibole clasts, fine to coarse sand and fine gravel, 30% clay

120 to 190ft MUDSTONE - bluish gray mudstone, characterized by no reaction with HCl, with few sand size limestone clasts.

190 to 205ft DOLOMITE - gray dolomite, which exhibits a weak reaction to HCl when scratched

205 to 300ft LIMESTONE - light gray limestone, characterized by intermittent zones with oxidized clay, bedding planes at 250 ft bls, and chert filled fractures at 280 to 285 ft and 295 to 300 ft bls. The maximum airlifted flow rate of 55 gpm was measured at 300 ft.

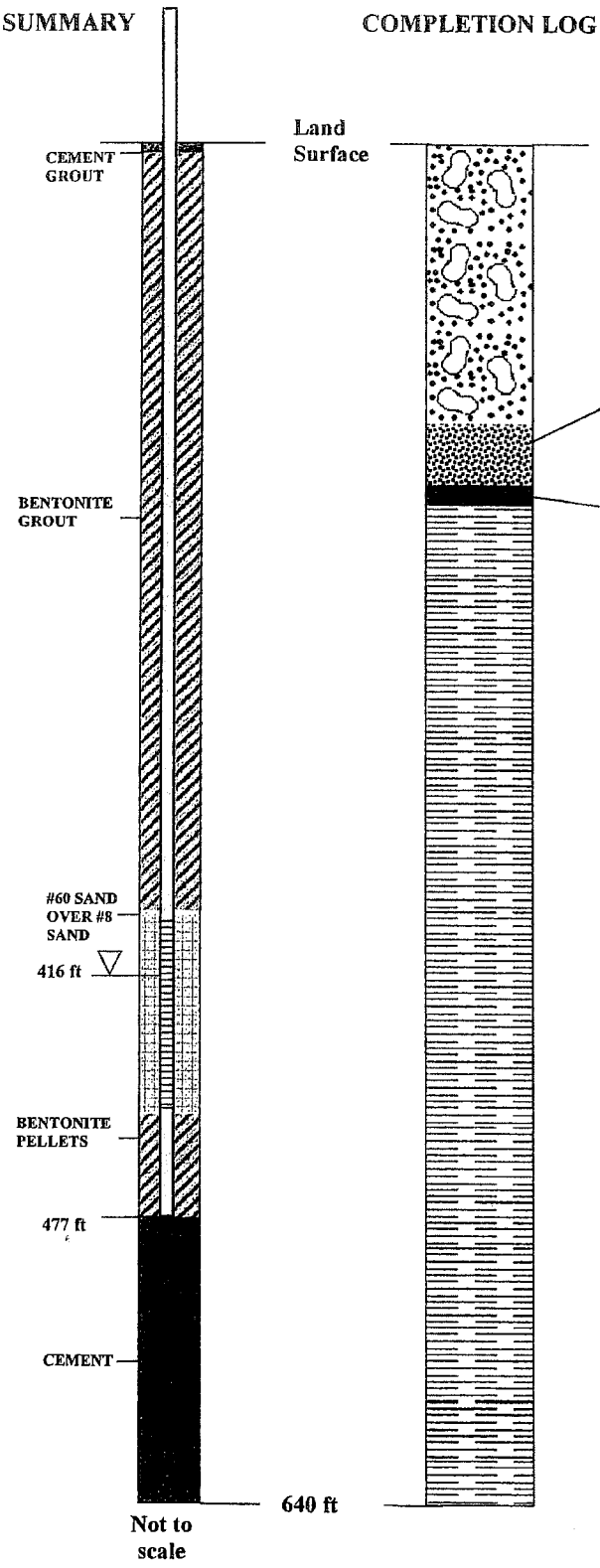
SUMMARY COMPLETION LOG FOR RWX—FAR EAST MW



0.0 to 1000 ft - ARGILITIC MUDSTONE - Color ranges from gray to dark gray, Grades from calcitic to siliceous with depth. Hardness increases from 5 to 6 with depth, corresponding with the increased silica content. Mudstone is characterized by calcite filled fracture surfaces throughout. First sustainable water was encountered at 740 ft. The maximum airlifted flow rate of 14 gpm was measured at 1,000 ft.

SUMMARY

COMPLETION LOG FOR RWX—FAR WEST MW



0.0 to 145 ft SAND AND GRAVEL COLLUVIUM– Poorly stratified clayey and gravelly sands. Clasts are comprised primarily of weathered limestone and dolomite.

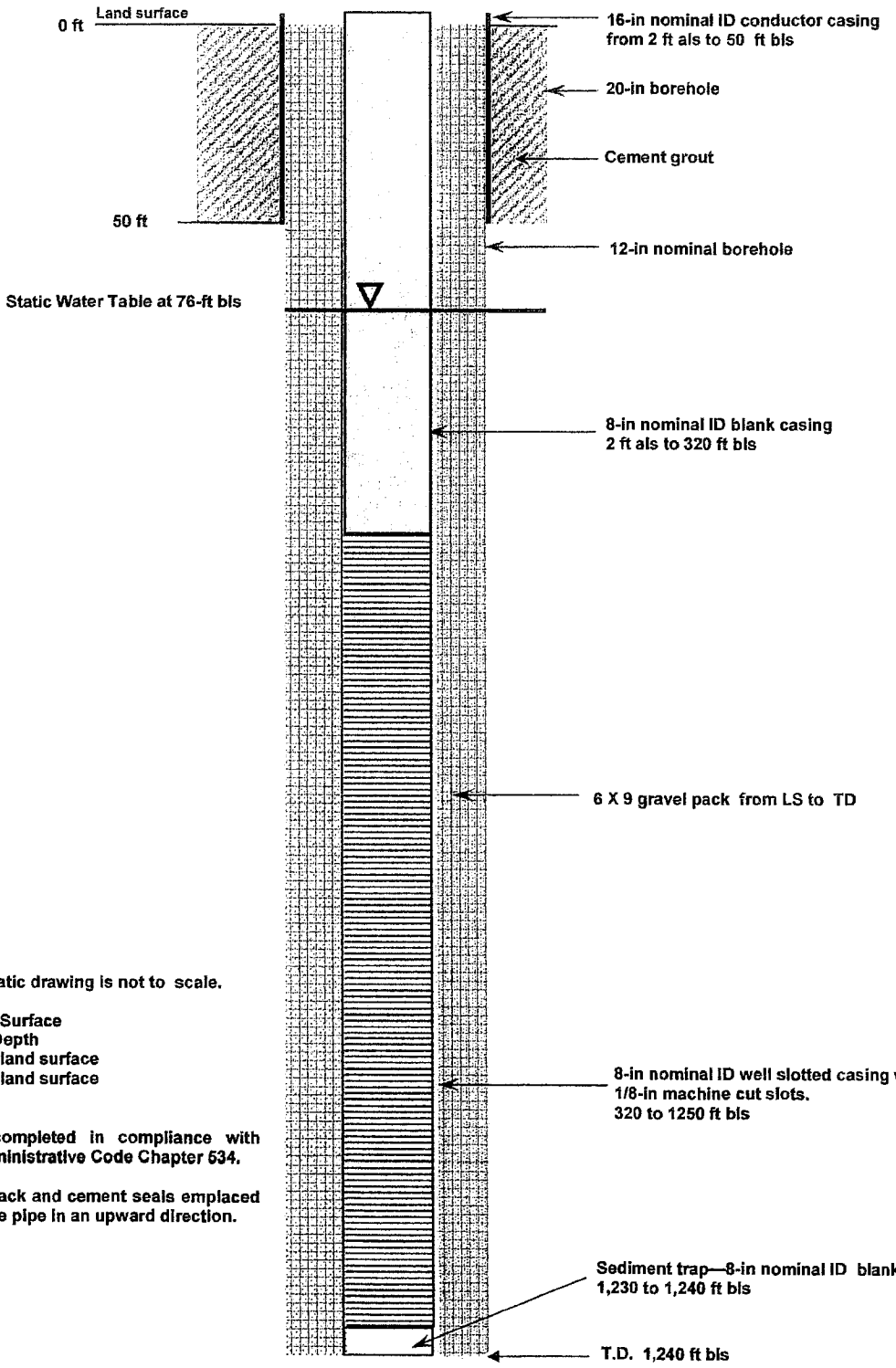
145 to 180 ft SAMDSTONE– Fine grained quartz sandstone comprised of sub-rounded grains with a moderate quartz cement.

180 to 185 ft Clay— Highly oxidized fat clay with sharp upper and lower contacts.

185 to 640 ft ARGILITIC MUDSTONE - Color ranges from gray to almost black. The cement grades from calcitic to siliceous with depth. Hardness increases from 5-6 with depth, corresponding with the increased silica content. Mudstone is characterized by calcite filled fracture surfaces throughout.

First sustainable water was encountered at 480 ft bls. Maximum airlifted discharge was measured at 57 gallons per minute at 580 ft bls prior to formation collapse.

SCHEMATIC WELL COMPLETION DIAGRAM FOR TEST WELL 203T



NOTES:

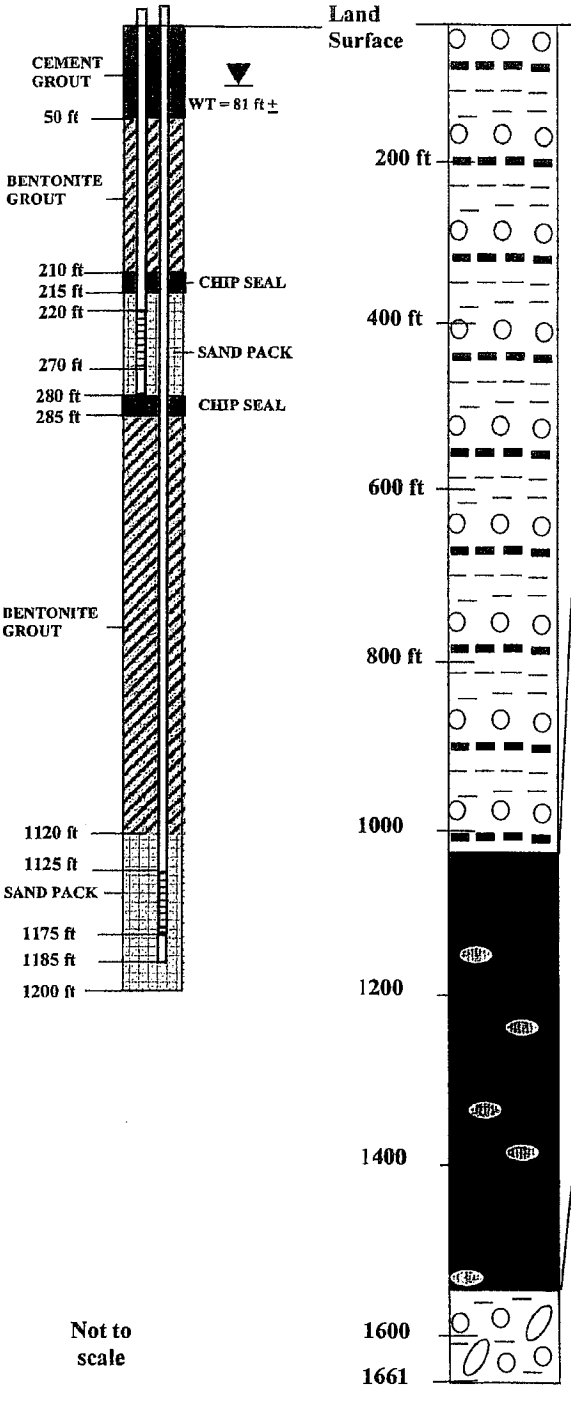
This schematic drawing is not to scale.

LS - = Land Surface
TD = Total Depth
als = above land surface
bls = below land surface
ft = feet

All work completed in compliance with Nevada Administrative Code Chapter 534.

All gravel pack and cement seals emplaced with a tremie pipe in an upward direction.

SUMMARY COMPLETION AND LITHOLOGIC LOG FOR RWX—203 MSMD

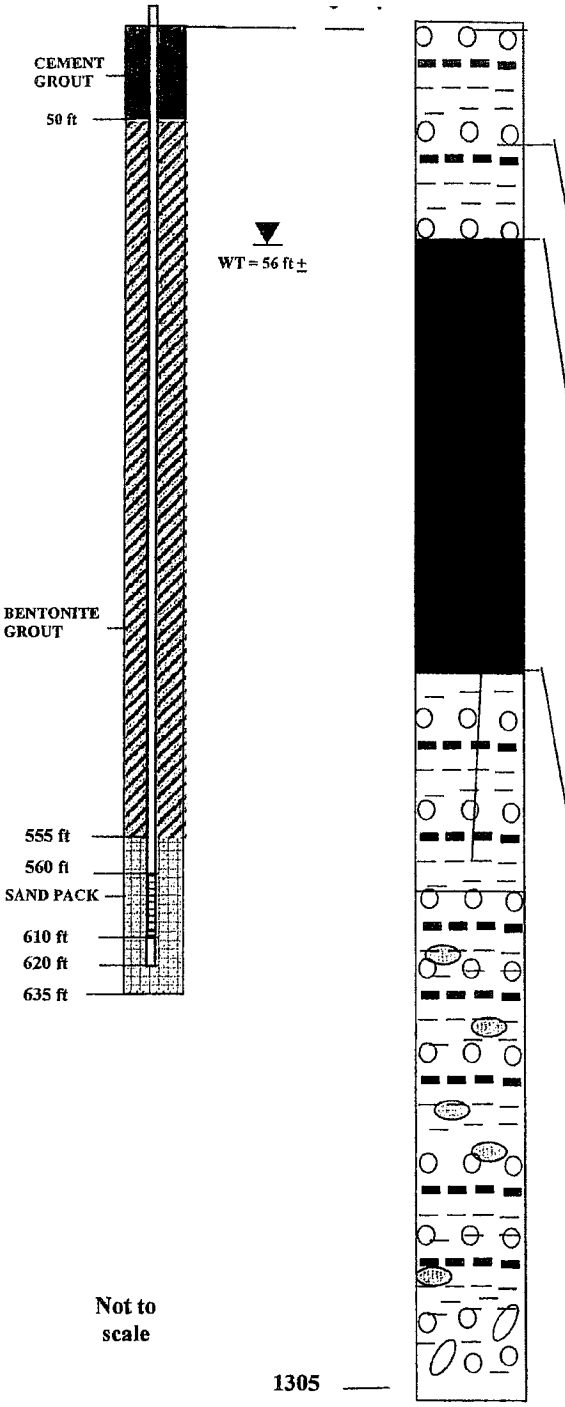


0.0 to 1025 ft VALLEY-FILL DEPOSITS—LACUSTRINE SEDIMENTS (VF3) and OLDER ALLUVIUM (VF1) - Thick sequence of interbedded locally derived alluvial materials and lacustrine clay and silt. Alluvial units contain coarse to fine-grained sand and fine to medium-grained gravels in a clayey matrix. Lacustrine sediments are clay and silt-rich. Clay content ranges from 5 to 95%. Clay and silts become hard from 585-630 ft and stiff from 1010-1015 ft. Clasts in alluvium are predominantly sandstone, siltstone, limestone, minor dolomite, chert, basalt and tuff clasts. Basalt clasts increase near the base of the sequence (805-1025 ft) from 5 to 20%. Color variable, black, tan, green, red, orange, pink and white. Moderate to strong acid reaction.

1025 to 1541.5 ft VOLCANIC -TERTIARY BASALT (VOL1) - Thick basalt flow sequence, black to dark gray and predominantly unweathered with minor (<5%) clay alteration and traces of calcite mineralization generally in thin veinlets. Secondary mineralization occurs as light blue to greenish blue opaline material altered to clay locally and white to clear opaline and calcedonic quartz. Traces of iron and manganese oxides are found throughout. Massive from 1025-1120 ft. Vesicular, hard, and glassy from 1120-1145 ft and 1200-1350 ft. Few to no vesicles from 1350-1445 ft. Vesicles are rounded to flat with local occurrences of clay lining. From 1445-1539.7 ft the basalt is massive. Core began at 1240 ft and several structural elements could be identified in the core segments. From 1275-1320 ft numerous joints and fractures and one fault are present. Joints display low to high angles ranging from 10 -70°. A low angle fault occurs at about 1280 ft and dips at 40°, with slickensides on fracture surfaces and brecciated zones. Fracture surfaces are clean except in the brecciated zones associated with the fault where crackle textures are filled with calcite, opal, clay, and rounded to subangular clasts of basalt. Calcite crystals common in vugs and on druzy quartz. At 1312 ft slickensides are present on fracture surfaces indicating another possible fault zone but there is less clay alteration and fewer fractures. At 1393 ft, calcite, clay, and druzy quartz fillings increase on fracture surfaces. From 1539.7-1541.5 ft a transitional zone occurs with basalt and the underlying conglomeratic sediment coarsening downward sequence.

1541.5 to 1661 ft (TD) VALLEY-FILL DEPOSITS - CONGLOMERATE (VF3) - Predominantly poorly sorted, poorly to moderately-well indurated sediments that contains clasts that range in size from fine sand to 2-in. gravels to 12-in. fragments in expansive clay matrix. Clasts are predominantly limestone with lesser quartz-rich tuff, black basalt, minor chert, and silicified breccia fragments. Sediment is clayey from approximately 1555-1565 ft with some calcite in the clay and silt. At 1647.4 ft the sediment becomes increasingly finer and becomes moderately to well sorted. From 1656-1660 ft is a thin bed of pinkish tan freshwater limestone (marl) with expansive clays at 1658.8 ft. Below 1660 ft the same conglomeratic sediment as above persists until 1661 ft (TD)

SUMMARY COMPLETION LOG FOR RWX—204 MSMD



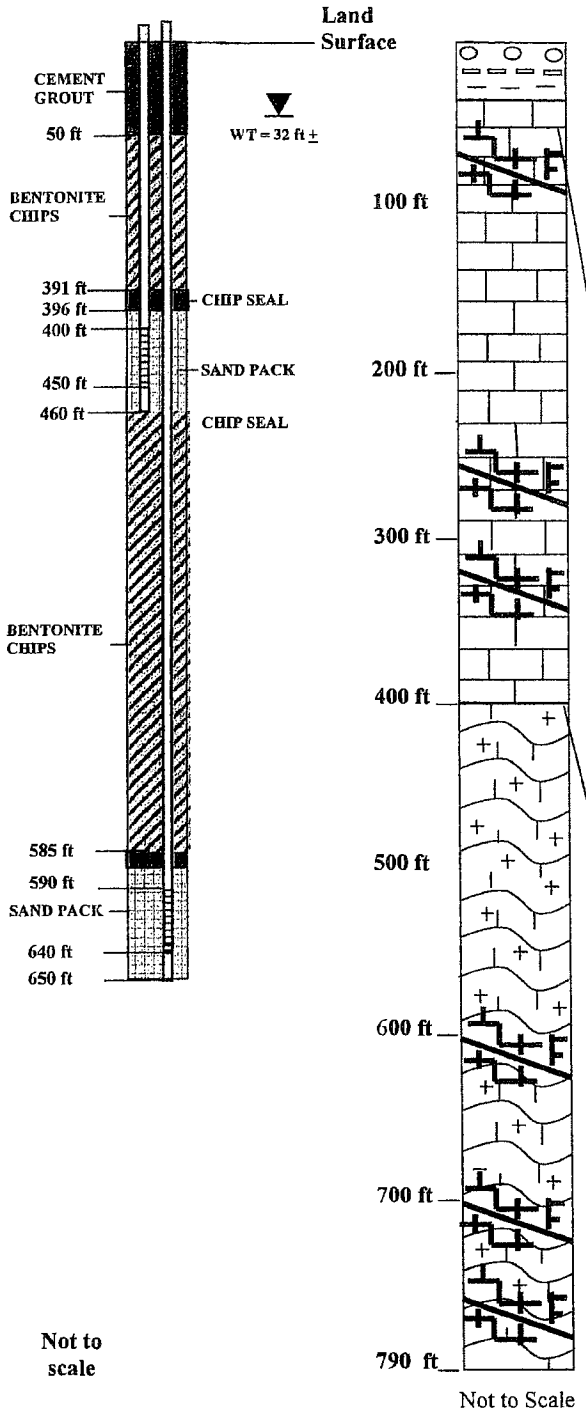
0.0 to 55 ft VALLEY-FILL DEPOSITS – LACUSTRINE SEDIMENTS (VF3) - Thin sequence of locally derived fluvial and lacustrine materials, predominantly clays with lesser sand and fine gravels. Clay content ranges from 70 to 85%. Clays are stiff and hard with a calcite component. Sands are generally very fine to fine grained. Local gravels occur especially toward lower contact at 55 ft with clasts of basalt, crystal tuff and quartz feldspar porphyry. Color of sediments is variable including brown, reddish brown, tan and white. Sediments display moderate to strong acid reaction.

55 to 115 ft VALLEY-FILL DEPOSITS – OLDER ALLUVIUM (VF1) - Thin sequence of locally derived fluvial and alluvial materials, coarse to fine-grained sand and fine to medium-grained gravels in a clayey matrix. Sands comprise up to 70%, decreasing toward base where gravels increase 70%, indicating a general fining upward sequence, overlain by lacustrine lake bed clays. Gravel clasts consist predominantly of sandstone, limestone, basalt and minor chert clasts. Color variable, black, tan, green, red, orange, pink and white. Moderate to strong acid reaction.

115 to 665 ft VOLCANIC - TERTIARY BASALT (VOL1) - Thick basalt flow sequence consisting of massive to weakly vesicular black to dark gray and light gray basalt flows. Basalts are predominantly unweathered with minor (<5%) clay alteration and traces of calcite mineralization generally in thin veinlets. Secondary mineralization occurs as red iron oxide coatings, pale blue to greenish blue calcedonic quartz in veinlets with clay alteration. Vesicle content varies from trace to 2%, filled with white to dark gray opaline quartz +/- calcite. Traces of iron and manganese oxides are found throughout. Flows are generally massive with vesicular zones noted from 175 to 230 ft, from 360 to 445 ft. From 625 to 635 ft a zone near the basal contact occurs where the basalt is altered and/or weathered and consists of predominantly clay with sand and gravel, possibly a flow top. The basal contact is sharp with the underlying conglomeratic sediments.

665 to 1305 ft (TD) VALLEY-FILL DEPOSITS - TERTIARY SILTY SANDSTONE and CONGLOMERATE (VF3) – Thick sequence of silty sandstone or weakly consolidated sediments grading downward to clayey and sandy conglomerate. From 665 to 1000 ft, the sediments consist predominantly of light brown to dark brown, fine to medium sand with a silt component, with local beds of pebbly sandstone. These units also contain beds of clay and minor gypsum. Pebbly beds contain clasts of mudstone, quartz felpspar porphyry, chert and sandstone. From 1000 ft to TD at 1305, the sequence consists predominantly of brown conglomeratic sandstone with a clay and sand-rich matrix. Below 1035 ft, the matrix clay content ranges from 10 to 50%. Matrix also contains a calcite and gypsum component, possibly as beds within the sequence. Coarser sections contain clasts of mudstone, chert, quartz feldspar porphyry that range in size from fine sand to 1-in. gravels. Moderate to strong acid reaction.

SUMMARY COMPLETION LOG FOR RWX—205 MSMD

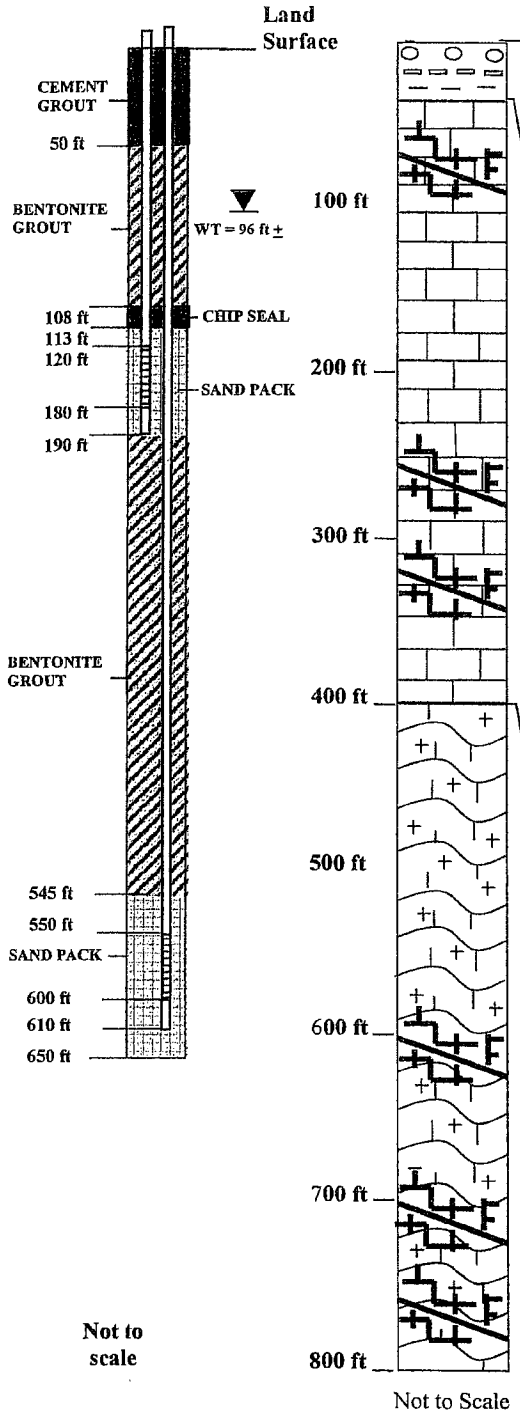


0.0 to 80 ft VALLEY-FILL DEPOSITS – LACUSTRINE SEDIMENTS (VF3) - Thin sequence of locally derived fluvial and lacustrine materials, with silts grading downward into silty gravels, clayey sand and sands and clays at base of the unit. Silt-rich sediments from surface to 12 ft consist of silty calcareous lake sediments overlying silty sands with gravel from 12 to 65 ft. containing locally derived clasts of sandstone, mudstone and quartz feldspar porphyry to 1in. in a similar silty matrix. From 65 to 70 ft a bed of clayey sands separates the lower interbedded section from 70 to 80 ft of sands and calcareous clay beds. Sands are generally medium-grained. Color of sediments is variable including tan to gray-orange and grayish reds at the base. Sediments display moderate acid reaction to 12 ft, and weak to no reaction from 12 to 77 ft and from 77 to 80 ft a strong reaction.

80 to 535 ft PALEOZOIC ROCKS - DOLOMITE and ALTERED LIMESTONE (CA1) - Thick unit of predominantly dolomitic limestones with silicification and argillic alteration present. Carbonate rocks are generally argillically altered from 80 to 165 ft, with silicification in local zones with silicified limestone and mudstones (jasperlitic zones) in layers, especially from 110 to 140 ft. Carbonates contain marble from 155 to 180 ft, and become siltier below 170 ft to the base at 535 ft. Granular pyrite (1-2%) occurs from 80 to 210 ft, locally to 1% from 210 to 340 ft, 2-3% from 340 to 400 ft and 1% from 400 to 535 ft. Locally up to 1% calcite veining occurs from 80 to 400 ft, with 2-3% from 400 to 535 ft. Rock becomes more reactive to acid below 165 ft, with silty limestone as a predominant component. Locally there are small fractures and shears especially toward the base of the unit. Color is variable with dark to light gray and gray brown. Acid reaction is weak to moderate from 80 to 155 ft and moderate to strong from 155 to 535 ft.

535 to 790 ft PALEOZOIC ROCKS - LIMESTONES (CA1) - Thick unit of predominantly massive to crystalline and fossiliferous limestones. Limestones are argillically altered from 540 to 635 ft with faulted, sheared, broken and lesser brecciated zones from 535 to 635 ft and 660 to 670 ft. Calcite veining ½ to 4 %, locally with 10-15% veining near faulted zones at 590 to 635 ft and 665 to 670 ft. Secondary mineralization (FeOx) occurs as 1 to 4% goethite and hematite from 540 to 690 ft. Color is variable with tan and cream colors, gray and light to dark brown. Strong acid reaction.

SUMMARY COMPLETION AND LITHOLOGIC LOG FOR RWX—206 MSMD

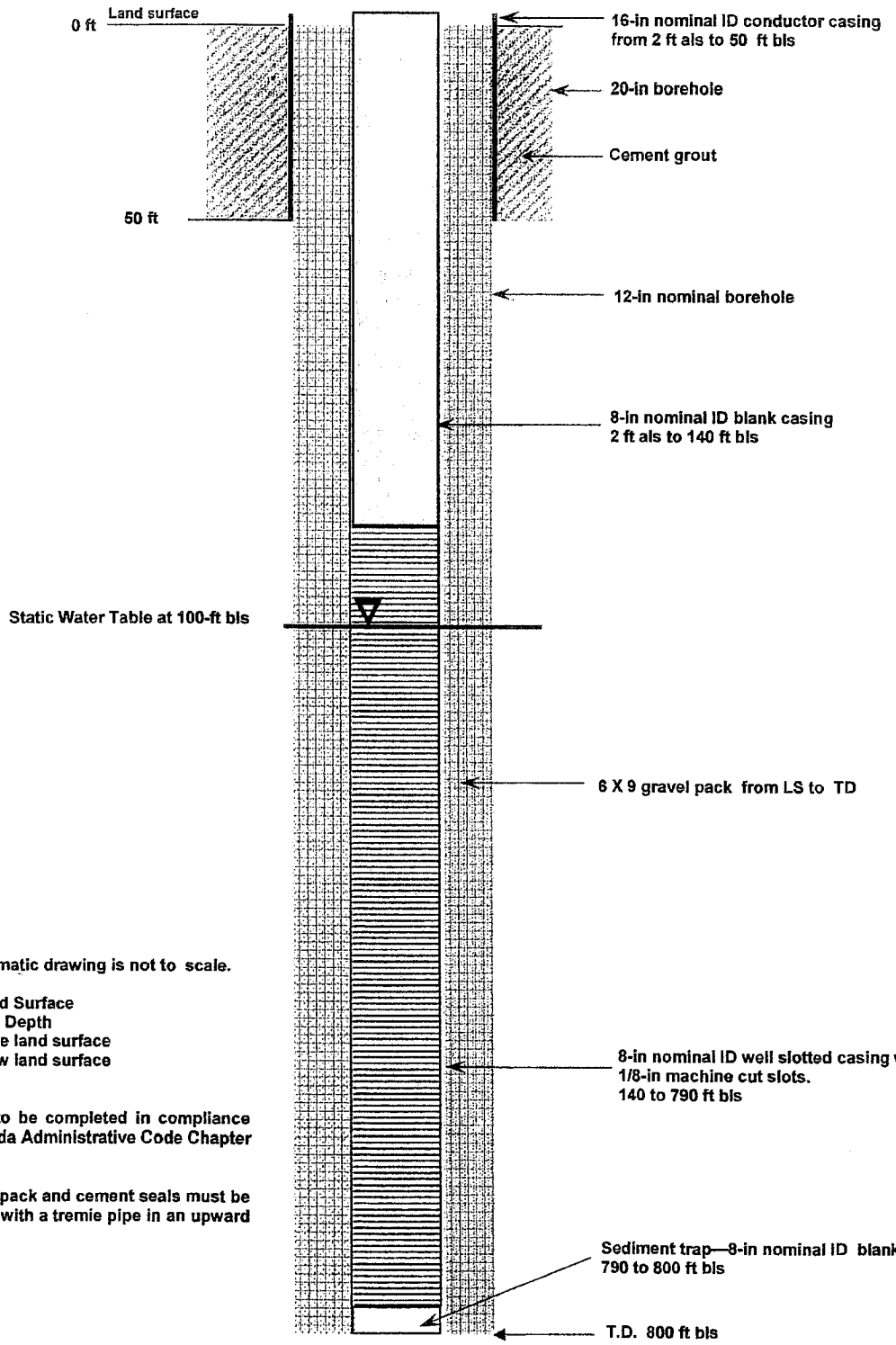


0.0 to 43 ft VALLEY—FILL DEPOSITS - OLDER ALLUVIUM (VF1) and LACUSTRINE SEDIMENTS (VF3) - Thin sequence of locally derived fluvial and alluvial materials, poorly sorted, fine to coarse-grained sand, fine to medium-grained pebbles in a silty and clayey matrix. From 0.0 to 35 ft sequence is typical of silty lakebed sediments. Approximately 5% pebbles near the top, increasing to 30% at 35 ft. Pebble clasts are limestone, dolomite, siltstone, basalt, and quartz porphyry and range in size from 12 to 25 mm in this interval. Calcareous silt constitutes up to 60% of lakebed sediments. From 35 to 42 ft sediment coarsens and is more typical of fluvial or alluvial fan deposition. Material contains 60% gravels and pebbles up to 16 mm with 20% sand. Silt constitutes 20% of interval. Basal clay layer from 42 to 43 ft altered, light orange- brown calcareous clay possibly kaolinitic. Iron oxides present throughout entire sequence. Color is light brown. Strong acid reaction.

43 to 400 ft PALEOZOIC ROCKS - LIMESTONE (CA1) - Thick unit of massive to crystalline limestone. Highly fractured, contains healed breccia zones and hydrothermally altered breccia locally. Secondary mineralization common within fractures, goethite, hematite prevalent, and localized gossan zones. Heavy calcite veining common, locally calcite fills large fractures. Several zones of silicification at 270 to 275 ft, 320 to 340 ft, and at the base from 385 to 400 ft. Probable fault zone at 75 to 95 ft, 135 to 145 ft, clay altered with calcite veins, heavily oxidized, bright reddish orange and bright red colors. Zones also contain healed tectonic breccia with angular fragments of massive limestone in fine-grained orange, strongly oxidized matrix. Other thinner occurrences of breccias present below 145 ft and display less alteration. Several fault zones at 75 ft, 260 ft, 295 ft, 310 ft, and 340 ft, have clay alteration, some sulfide mineralization, cross-cutting calcite veins, and calcite fracture-fill. Goethite altered igneous dike cross cuts in unfractured, massive zone from 275 to 295 ft. Travertine deposits in open fractures/cave at 303 to 307 ft, may have been above a paleo-water level. Below 330 ft to the base of the unit, rock is highly argillized and localized marblized. From 385 to 400 ft rock is highly fractured, argillized, contains copper oxide and black chalcocite. Color is variable, gray, brown, tan, white, with red, orange, and yellow in the altered horizons. Strong acid reaction.

400 to 800 ft (TD) PALEOZOIC ROCK - DOLOMITIC MARBLE (CA1) - Thick unit of crystalline marble locally dolomitic. Marble consist of interlocking crystals to 0.5 mm. Intervals of open fractures with lesser alteration than overlying limestone unit. Iron oxide coats fracture surfaces. Lathy porphyry dike cross-cuts dolomitic-marble horizon at 455 ft, from 455 to 525 ft rock is altered by orange sericite and orange goethitic clay. From 525 to 600 ft rock has open fractures, very little alteration or oxidation, and white dolomitic veins locally. Possible fractured fault zone at 600 ft. From 600 to 655 ft rock contains 5 to 10% goethite alteration, and 2% dolomitic veins within fractures. From 655 to 690 ft fractures are open with very little alteration. Possible fault zone from 690 to 800 ft (TD). Interval is brecciated, red hematitic stains on fractures, white dolomite cross-cutting veins, rare yellow coatings on and in dolomite veins, and possibly siderite. From 758 to 762 ft breccia is healed with calcite bearing yellow orange crystals of what may be siderite, and breccia fragments are rounded. Rock is moderately hard. Color variable, light to medium brown, orange, and white. Moderate to strong acid reaction.

SCHEMATIC WELL DESIGN FOR TEST WELL 206T



NOTES:

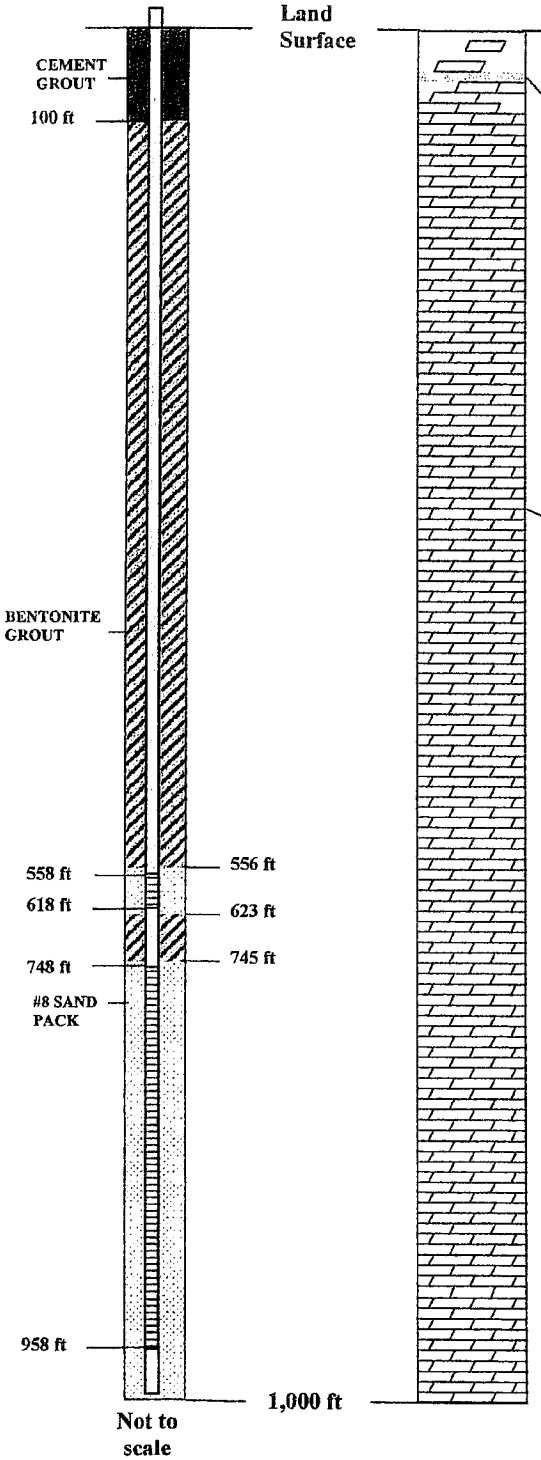
This schematic drawing is not to scale.

LS - = Land Surface
TD = Total Depth
als = above land surface
bls = below land surface
ft = feet

All work to be completed in compliance with Nevada Administrative Code Chapter 534.

All gravel pack and cement seals must be emplaced with a tremie pipe in an upward direction.

SUMMARY COMPLETION LOG FOR RWX—213B MW



0.0 to 55 ft HIGHLY WEATHERED DOLOMITE- Light gray color. Rock chips display a moderate to weak acid reaction.

55 to 60 ft CLAY - Fat clay, possibly a paleosol. Color is predominantly yellowish orange. Clay exhibits a strong acid reaction.

60 to 1,000 ft - DOLOMITE - Light to medium gray, fine grained dolomite, characterized by calcite filled fracture surfaces at 115 ft, 185 ft, 340 ft, 485 ft, 525 ft and 885 ft bls. Thin brecciated zones occur from 340 to 342 ft and 485 to 486 ft bls. Rock chips exhibit a week acid reaction. Dolomite chips change sharply from gray to light tan at 980 ft bls. First sustainable water was encountered at 425 ft. The maximum airlifted flow rate of 100 gpm was measured from 960 through 980 ft.