

Public Service Company of New Mexico

File's
copy

June 23, 1993

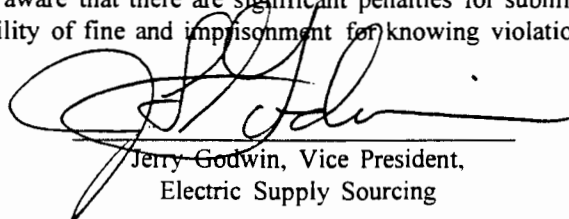
Certified Mail
Return Receipt Requested

Mr. Ed Horst
New Mexico Environment Department
Hazardous and Radioactive Materials Bureau
525 Camino de Los Marquez
Santa Fe, NM 87502

Dear Mr. Horst

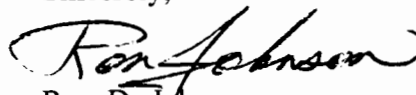
Subject: Person Station Corrective Action Directive,
NMT360010342, Cutting/Core Logs

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.


Jerry Godwin, Vice President,
Electric Supply Sourcing

Enclosed please find four (4) copies of the cutting/core logs specified as a deliverable in Attachment A, Item 7, of the Corrective Action Directive. If you have any questions please contact me at 848-2998.

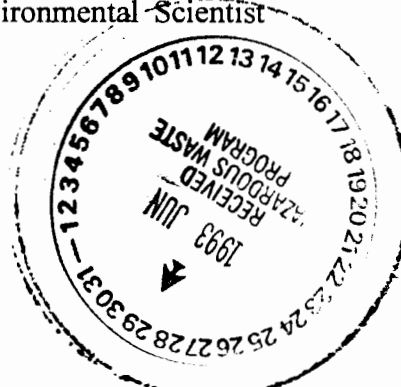
Sincerely,


Ron D. Johnson
Sr. Environmental Scientist

RDJ:rdj

enclosure

cc: Ms. Jane Cramer, NMED (w/o enclosure)



Corrective Action Directive
Assessment Summary Report
Person Generating Station
NMT360010342

APPENDIX C
Cutting/Core Logs

Prepared For
Public Service Company of New Mexico
Albuquerque, New Mexico

Prepared By
METRIC Corporation
Albuquerque, New Mexico

June, 1993

Corrective Action Directive

Assessment Summary Report

Person Generating Station

NMT360010342

APPENDIX C

Cutting/Core Logs

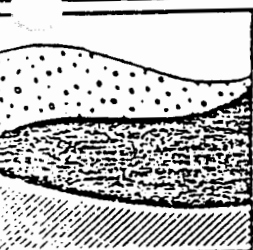
Prepared For

Public Service Company of New Mexico
Albuquerque, New Mexico

Prepared By

METRIC Corporation
Albuquerque, New Mexico

June, 1993



FIELD
SAMPLE LOG

N 1465669.78, E 382404.80

Well Number PSMW-1 Well Location 9N, 3E, 8, 213

Well Owner Public Service Company of New Mexico

Sample Logger Geoscience Consultants, Ltd. Alberto A. Gutierrez

Driller Sergent, Hauskins and Beckwith

Driller Medium Dry, Hollow Stem Auger (6 5/8" hole) 0-114'

Driving 114' - 131'

Date of Completion 2/6/84 Ground Elev. 5027.57
5027.8

Depth (feet)	Thickness (feet)	Stratigraphic Description
0-10	10	Uniform medium-coarse brown sand, no solvent odor
10-20	10	Uniform medium-coarse sand, occasional pebbles, brown, no odor
20-30	10	Uniform-medium coarse sand, no odor, brown
30-40	10	Medium-coarse sand, no odor, brown
40-50	10	Medium-coarse sand, no odor, brown
50-60	10	Medium-coarse sand, no odor, brown
60-70	10	Medium-coarse sand, no odor, occasional pebbles, brown
70-80	10	Uniform fine-coarse sand, no odor, brown
80-90	10	Medium-coarse sand, no odor, brown
90-100	10	Coarse sand, no odor, brown
100-110	10	Coarse sand, no odor, brown

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-1B Borehole Location N 1465666.53, E 382432.37
Property Owner Public Service Company of New Mexico
Sample Logger METRIC Corporation, Peter H. Metzner
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 12/10/92 Ground Elev. 5028.18

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 5.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, slightly clayey fine sand to granule gravel
5.0 - 10.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, medium sand to granule gravel
10.0 - 15.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, fine sand to small pebble gravel
15.0 - 20.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, medium sand to small pebble gravel
20.0 - 25.0	5.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, granule and pebble gravel
25.0 - 30.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine sand to pebble gravel
30.0 - 35.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very clayey, fine to very coarse sand, and pebble gravel

SAMPLE LOG

Continued

Borehole Number PSMW-1B Borehole Location N 1465666.53, E 382432.37

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
35.0 - 40.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very clayey, very fine sand to small pebble gravel
40.0 - 67.0	27.0	Pale yellowish brown (10 YR 6/1), poorly sorted, subangular, very clayey, very fine to very coarse sand
67.0 - 115.0	48.0	Pale yellowish brown (10 YR 6/1), poorly sorted, subangular to angular, clayey, very fine sand to small pebble gravel
115.0 - 120.0	5.0	Pale yellowish brown (10 YR 6/1), medium sorted subrounded, fine to coarse sand
120.0 - 140.0	20.0	Pale yellowish brown (10 YR 6/1), medium sorted, angular to subrounded, fine sand to granule gravel
140.0 - 145.0	5.0	Light gray (N7) to medium gray (N5), well sorted, angular to subangular, coarse to very coarse sand
145.0 - 150.0	5.0	Light gray (N7) to medium gray (N5), well sorted, angular to subangular, very coarse sand to granule gravel
150.0 - 160.0	10.0	Light gray (N7) to medium gray (N5), well sorted angular to subangular, granule to pebble gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-1R Borehole Location N 1465668.59, E 382417.48
Property Owner Public Service Company of New Mexico
Sample Logger Peter Metzner, METRIC Corporation
Driller Rodgers & Co., Inc.
Drilling Medium Hollow Stem Auger
Date of Completion 1/13/93 Ground Elevation 5027.77

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 3.0	3.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, very fine sand to granule gravel, with some large pebble gravel
3.0 - 4.0	1.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, fine sand to pebble gravel
4.0 - 6.0	2.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, very fine to very coarse sand
6.0 - 8.0	2.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, fine sand to granule gravel
8.0 - 10.0	2.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, medium sand to pebble gravel
10.0 - 13.0	3.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, slightly clayey very fine to very coarse sand

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-1R Borehole Location N 1465668.59, E 382417.48

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
13.0 - 19.0	6.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, fine sand to granule gravel
19.0 - 20.0	1.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, clayey very fine to very coarse sand
20.0 - 26.0	6.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, medium sand to pebble gravel
26.0 - 33.0	7.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, fine to very coarse sand, with some large pebble gravel
33.0 - 44.0	11.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, fine to very coarse sand
44.0 - 48.0	4.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, fine sand to pebble gravel
48.0 - 59.0	11.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, clayey, very fine to coarse sand
59.0 - 61.0	2.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, fine to very coarse sand

SAMPLE LOG
(continued)

Borehole Number PSMW-1R Borehole Location N 1465668.59, E 382417.48

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
61.0 - 73.0	12.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, fine sand to pebble gravel
73.0 - 83.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, very clayey, very fine sand to granule gravel
83.0 - 88.0	5.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular to sub-rounded, fine to coarse sand
88.0 - 90.0	2.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, very clayey, very fine to very coarse sand
90.0 - 98.0	8.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, fine sand to granule gravel, with some large pebble gravel
98.0 - 104.0	6.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, very clayey, very fine to coarse sand, with some pebble gravel
104.0 - 108.0	4.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, fine sand to granule gravel, with some large pebble gravel
108.0 - 118.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, clayey, fine sand to granule gravel with some pebble gravel

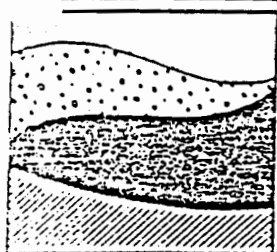
METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-1R Borehole Location N 1465668.59, E 382417.48
(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
118.0 - 123.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, very clayey, very fine to very coarse sand
123.0 - 128.0	5.0	Pale yellowish brown (10 YR, 6/2), medium sorted, very fine to medium sand
128.0 - 135.0	7.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, medium to very coarse sand, with some granule and pebble gravel
135.0 - 138.0	3.0	Light olive gray (5 Y, 6/1), sandy clay

Geoscience
Consultants, Ltd.



FIELD
SAMPLE LOG

N 1465675.8, E 382306.81

Well Number PSMW-2 Well Location 9M. 3E. 8, 213

Well Owner Public Service Company of New Mexico

Sample Logger Geoscience Consultants, Ltd. Randall T. Hicks

Driller Sergeant, Hauskins and Beckwith

Driller Medium Hollow Stem Auger (6 5/8' hole) 0-109'

Driving - 109' - 126.8'

Date of Completion 2/7/84 Ground Elev. 5024.18
5024.5

Depth (feet)	Thickness (feet)	Stratigraphic Description
0-10	10	Fine-coarse sand, no odor, 2-4cm pebbles, brown
10-20	10	Fine-medium sand, no odor, some large pebbles, brown
20-30	10	Fine-medium sand, no odor, brown
30-40	10	Fine-medium sand, no odor, few cobbles, brown
40-50	10	Fine-medium sand, no odor, brown
50-60	10	Fine-medium sand, no odor, brown
60-70	10	Fine sand, no odor, brown
70-80	10	Medium-coarse sand, no odor, brown
80-90	10	Coarse sand w/clay stringers, no odor, brown
90-100	10	Coarse sand, no odor, brown
100-110	10	Very coarse sand, some large pebbles, saturated, brown, no odor



FIELD
SAMPLE LOG

N 1465710.94, E 382357.38

Well Number PSMW-3 Well Location 9N, 3E, 8, 213

Well Owner Public Service of New Mexico

Sample Logger Geoscience Consultants, Ltd. Randall T. Hicks

Driller Sergeant, Hauskins and Beckwith

Driller Medium Hollow Stem Auger (6 5/8" hole) 0-111.4'

Driving 111.4' - 127.4'

Date of Completion 2/8/84 Ground Elev. 5025.6

Depth (feet)	Thickness (feet)	Stratigraphic Description
0-10	10	Some clay, coarse pebble lens, no odor brown
10-20	10	Medium-coarse sand, no odor, brown
20-30	10	Uniform fine-medium sand, no odor, brown
30-40	10	Uniform fine-medium sand, no odor, brown
40-50	10	Uniform medium sand, no odor, brown
50-60	10	Coarse sand with some pebbles, no odor, brown
60-70	10	Fine-coarse sand, with clay stringers some 1cm pebbles, no odor, brown
70-80	10	Fine-coarse sand with clay stringers, some 1cm pebbles, no odor, brown
80-90	10	1 cm pebbles in coarse sand matrix, trace clay, no odor, brown
90-100	10	Coarse sand, trace clay, no odor, brown
100-110	10	Coarse sand, some pebbles, no odor, brown

METRIC
Corporation

SAMPLE LOG

Well Number PSMW-3B Well Location N 1465710.62, E 382366.03
T9N, R3E, Sec. 8, 221
Well Owner Public Service Company of New Mexico
Sample Logger Garv L. Richardson
Driller Rodgers & Co., Inc.
Drilling Medium Mud Rotary 0-129, Air Rotary 129-150
Date of Completion 12/5/84 Ground Elev. 5026.06
5026.2

Depth (feet)	Thickness (feet)	Stratigraphic Description
0-5	5	Orange clayey gravel (fill)
5-40	35	Gray 1/4" to 1/2" gravel with 20% sand
40-45	5	Brn fine silty sand
45-55	10	Tan clay (with 10% fine gravel from above)
55-60	5	Brn clayey silt
60-65	5	Brn sandy silt
65-80	15	Brn coarse silty sand
80-85	5	Brn fine to very fine sand
85-125	40	Brn fine to medium sand
125-129	4	Brn very fine to medium sand, silty
129-131	2	Cemented (Portland)
131-133	2	Brn fine to medium sand
133-150	17	Brn fine to medium sand with 30% gravel to 1"

*Colors are for wet samples

Geoscience
Consultants, Ltd.



FIELD
SAMPLE LOG

N 1465710.62, E 382366.03

Well Number PSMW - 3B

Well Location T9N,R3E, Sec.8, 221

Well Owner Public Service Company of New Mexico

Sample Logger Randall T. Hicks

Driller Rodgers and Co.

Driller Medium Mud Rotary 0-129, Air Rotary 129-150

Date of Completion 12/5/84

Ground Elev. 5026.06
5026.2

Depth (feet)	Thickness (feet)	Lithologic Description
100-105	5	Med-V.F. Sand, Sand/Silt<5%, Fair Sort, Few Clasts > 1/4" Diam
105-110	5	M. Sand, Clay/Silt 10% ±, some clasts >1/4" poor sort
110-115	5	Granule size (1/10") to very fine, poor fair sort, no large (>1/4") clasts, sand silt 5%±
115-120	5	V.C.G. sand good sort, silt/clay << 5% granule-sized clasts (1/10"diam), some fine sand
120-125	5	Medium grained, no large clasts, TR. clay fair sort clay/silt ±5%
125-129	4	Poor sort fine silt and med. sand, no large clasts, poor perm clay/silt >5%, 10%±
129-133	4	(cement)
131-133	2	Fair sort, med. grained, some clasts 1/2" 5% < 1/100" << 5% "dust"
133-137	4	Poor sort, grain size 1"-1/100", clay size < 5%
137-141	4	Some (recemented ?) clasts of sand 2" diam. as below large clasts up to 1" volcanic clasts predominant



FIELD
SAMPLE LOG

Continued

Well Number PSMW - 3B Well Location N 1465710.62, E 382366.03
(Continued from Previous Page) T9N, R3E, Sec. 8, 221

Depth (feet)	Thickness (feet)	Lithologic Description
141-145	4	As below with some heavy minerals clay sized fraction < 5%
145-150	5	very poor sort - grn. size range 1/100" - 3/4" very little clay, mostly <u>clear</u> qtz. feedspar (pink and brown), some dark lithic frags TR. mica large (7 1/4") lithics are mainly volcanic, some granite 6 clean clay sized component is < 5%

METRIC Corporation

FIELD SAMPLE LOG

N 1465041.24, E 382225.24

Well Number PSMW-4 Well Location 9N, 3E, 8, 223
 Well Owner Public Service Company of New Mexico
 Sample Logger METRIC Corporation, Gary L. Richardson
 Driller Rodgers & Company, Inc.
 Drilling Medium Mud rotary 0-103, push tube sampler
103-115, driven 115-126.5
 Date of Completion 3/23/84 Ground Elev. 5022.22
5022.4

Depth (feet)	Thickness (feet)	Stratigraphic Description
0-5	5	Light brown fine to medium sand
5-10	5	Brown medium to coarse sand
10-20	10	Brown medium to very coarse sand with 10% 6mm maximum gravel
20-25	5	Brown medium to very coarse sand with 40% 12mm maximum gravel
25-30	5	Brown fine to medium sand with 10% 6mm maximum gravel
30-35	5	Brown fine to medium sand with 20% 6mm maximum gravel
35-40	5	Brown medium to very coarse sand with 30% 10mm maximum gravel
40-55	15	Brown very coarse sand with 20% 12mm maximum gravel
55-60	5	Brown medium to coarse sand
60-70	10	Brown medium to coarse sand with a few 12mm gravels
70-75	5	Brown clean coarse sand

Note: Colors are for wet samples

METRIC
Corporation

FIELD
SAMPLE LOG

Continued

Well Number PSMW-4 Well Location N 1465041.24, E 382225.24
9N, 3E, 8, 223

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
75-90	15	Brown medium to coarse clayey sand with 10% 9mm gravel
90-103	13	Brown medium to coarse sand with 10% 9mm gravel
103-105	2	Brown medium sand
105-106.5	1.5	Brown clay
106.5-115	8.5	Brown medium sand

Note: Colors are for wet samples

METRIC
Corporation

FIELD
SAMPLE LOG

Well Number PSMW-5 Well Location N 1464990.54, E 382832.34
Well Owner Public Service Company of New Mexico
Sample Logger METRIC Corporation, Gary L. Richardson
Driller Rodgers & Company, Inc.
Drilling Medium Mud rotary 0-145, push tube sampler
145-148, air rotary 148-161
Date of Completion 3/27/84 Ground Elev. 5059.43
5059.7

Depth (feet)	Thickness (feet)	Stratigraphic Description
0-5	5	Brown fine to medium sand with 10% 6mm maximum gravel
5-10	5	Brown medium to coarse sand with 10% 9mm maximum gravel
10-15	5	Brown coarse to very coarse sand with 10% 6mm maximum gravel
15-20	5	Brown coarse sand with 20% light brown clay and 10% 6mm maximum gravel
20-25	5	Light brown clay with 20% 9-12mm gravel
25-30	5	Light brown clay with 50% brown coarse sand
30-40	10	Brown coarse sand with a few 12mm maximum gravel
40-45	5	Brown 6-12mm gravel with 50% light brown clay
45-50	5	Light brown clay with 30% 9-18mm gravel

Note: Colors are for wet samples

METRIC
Corporation

FIELD
SAMPLE LOG

Continued

Well Number PSMW-5 Well Location N 1464990.54, E 382832.34
9N, 3E, 8, 223

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
50-55	5	White medium sand with 30% 12mm gravel and 30% orange clay
55-85	30	Orange clay with 10% 18mm maximum gravel
85-90	5	Brown and white medium to coarse sand
90-95	5	Brown and white medium to coarse sand with 50% orange clay
95-100	5	Orange clay with 10% very coarse sand and 18mm maximum gravel
100-105	5	Orange sandy clay
105-110	5	Orange sandy clay with 10% maximum 6mm gravel
110-120	10	Brown coarse clayey sand with 20% orange clay
120-125	5	Gray fine to coarse sand with 30% orange clay
125-145	20	Gray medium to coarse sand with 6mm maximum gravel
145-148	3	Gray medium to coarse sand with 6mm maximum gravel

Note: Colors are for wet samples

METRIC
Corporation

FIELD
SAMPLE LOG

Well Number PSMW-6 Well Location N 1466058.78, E 382854.53
Well Owner Public Service Company of New Mexico
Sample Logger METRIC Corporation, Gary L. Richardson
Driller Rodgers and Company, Inc.
Drilling Medium Mud rotary 0-109, push tube sampler
109-121, air rotary 121-140
Date of Completion 3/24/84 Ground Elev. 5037.12
5037.6

Depth (feet)	Thickness (feet)	Stratigraphic Description
0-10	10	Brown coarse to very coarse sand with 10% 9mm maximum gravel (some wood in cuttings)
10-15	5	Brown very coarse sand with 50% 18mm maximum gravel
15-20	5	Brown medium to coarse silty sand
20-25	5	Brown medium sand with 20% brown clay
25-30	5	Brown clay with 20% brown medium clay
30-35	5	Brown medium sand with <10% 18mm maximum gravel
35-40	5	Brown sandy clay
40-45	5	Brown fine to coarse sand
45-55	10	Brown clayey silt with <10% 9mm maximum gravel
55-70	15	Orange clay with <10% gravel 12mm maximum
70-75	5	Brown fine to medium sand with 30% orange clay

Note: Colors are for wet samples

METRIC
Corporation

**FIELD
SAMPLE LOG**

Continued

Well Number PSMW-6 Well Location N 1466058.78, E 382854.53
9N, 3E, 8, 221

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
75-80	5	Brown fine to medium sand
80-90	10	Brown fine silty sand
90-95	5	Brown fine to medium silty sand
95-105	10	Brown fine to coarse silty sand
105-109	4	Brown fine to medium silty sand
109-110.5	1.5	Brown medium sand
110.5-114	3.5	Gray clay
114-119	5	Gray medium sand
119-121	2	Brown medium sand
121-130	9	Brown medium to coarse sand
130-135	5	Brown fine to medium sand
135-140	5	Brown medium coarse sand

Note: Colors are for wet samples

METRIC
Corporation

FIELD
SAMPLE LOG

Well Number PSMW-7 Well Location N 1466085.34, E 382294.25
Well Owner Public Service Company of New Mexico
Sample Logger METRIC Corporation, Gary L. Richardson
Driller Rodgers & Company, Inc.
Drilling Medium Mud rotary 0-80, push tube sampler
80-93, air rotary 93-110
Date of Completion 3/27/84 Ground Elev. 5009.25
5009.6

Depth (feet)	Thickness (feet)	Stratigraphic Description
0-5	5	Brown fine to coarse sand
5-20	15	Brown coarse to very coarse sand with 50% 18mm maximum gravel
20-50	30	Brown clay with 10% coarse sand and 10% 18mm maximum gravel
50-65	15	Brown medium to coarse sand with 30% brown clay and 10% 18mm maximum gravel
65-75	10	Brown sandy clay with 10% 18mm maximum gravel
75-80	5	Brown silty fine to medium sand
80-84.5	4.5	Brown fine to medium sand
84.5-87	2.5	Brown sandy clay
87-93	6	Brown medium sand
93-110	17	Brown medium sand

Note: Colors are for wet samples

METRIC
Corporation

SAMPLE LOG

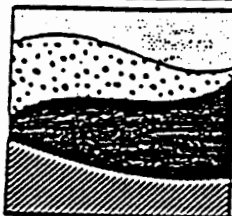
N 1465670.86, E 382885.00

Well Number PSMW-8A Well Location T9N,R3E,Sec. 8, 222
Well Owner Public Service Company of New Mexico
Sample Logger Gary L. Richardson
Driller Rodgers & Co., Inc.
Drilling Medium Mud Rotary 0-131.4, Air Rotary 131.4-154
Date of Completion 11/14/84 Ground Elev. 5044.2

Depth (feet)	Thickness (feet)	Stratigraphic Description
0-5	5	Gray coarse sand, clean
5-20	15	Brn silty fine sand with 15% max 3/8" gravel
20-25	5	Brn medium sand, silty
25-30	5	Gray medium coarse sand
30-45	15	Brn silty fine sand
45-50	5	Gray medium fine sand
50-65	15	Gray medium sand with 30% orange clay
65-75	10	Orange sandy clay
75-80	5	Orange sandy clay with 50% tan medium sand, clean
80-85	5	Brn medium fine sand, clayey
85-90	5	Brn medium fine sand, clayey, with 30% orange clay
90-100	10	Orange sandy clay
100-110	10	Brn silty medium sand
110-125	15	Brn clayey medium sand
125-132	7	Brn coarse clayey sand
132-136	4	No sample
136-152	16	Coarse tan sand with fine gravel

*Colors are for wet samples

Geoscience
Consultants, Ltd.



FIELD
SAMPLE LOG

N 1465670.86, E 382885.00

Well Number PSMW -8A Well Location T9N,R3E,Sec. 8, 222

Well Owner Public Service Co. of N.M.

Sample Logger Randall T. Hicks

Driller Rogers and Co.

Driller Medium Mud Rotary 0-131.4 Air Rotary 131.4-154

Date of Completion 11/14/84 Ground Elev. 5044.2

Depth (feet)	Thickness (feet)	Stratigraphic Description
105-110	5	Very poor, sort, no large (> 1/4") clasts, clay/silt >10% granule size (1/10") common [mud drilled?]
110-115	5	Very coarse sand, no large clasts, very fine common, bimodal distribution
115-120	5	As above (much clay-drilled with mud?)
120-125	5	As above (mud drilling ?)
125-130	5	As above (less mud) bimodal distributing
130-135	5	Very coarse sand, most granule size silt/clay < 5%, good sort, small volumes of fine sand
135-140	5	Bimodal pebbles and medium sand no silt/clay clasts 1/2" diam
140-145	5	As above
145-150	5	As above

METRIC
Corporation

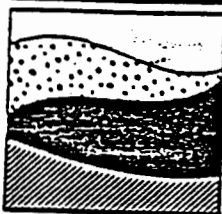
SAMPLE LOG

Well Number PSMW-8B Well Location N 1465680.46, E 382885.88
Well Owner Public Service Company of New Mexico
Sample Logger Gary L. Richardson
Driller Rodgers & Co., Inc.
Drilling Medium Mud Rotary 0-151.2, Air Rotary 151.2-167.2
Date of Completion 11/30/84 Ground Elev. 5043.82
5644.6

Depth (feet)	Thickness (feet)	Stratigraphic Description
0-5	5	Gray medium fine sand, clean
5-10	5	Brn medium sand, clean
10-15	5	Brn fine to coarse silty sand
15-25	10	Brn fine to medium silty sand
25-35	10	Gray medium sand
35-40	5	Gray coarse sand with 40% orange clay
40-60	20	Brn medium sand
60-80	20	Orange clay with 10% coarse sand
80-90	10	Brn fine to very fine sand
90-100	10	Orange clay
100-115	15	Brn, very fine silty sand
115-130	15	Brn, fine to very fine sand
130-140	10	Brn medium sand
140-153	13	Brn fine to medium sand (some gravel drilled rough)
153-169	16	Brn fine to medium sand (5% gravel to 3/4")

*Colors are for wet samples

Geoscience
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FIELD
SAMPLE LOG

N 1465680.46, E 382885.88

Well Number PSMW - 8B

Well Location T9N,R3E,Sec. 8.222

Well Owner Public Service Co of N.M.

Sample Logger Randall T. Hicks

Driller Rodgers and Co.

Driller Medium Mud Rotary 0-151. Air Rotary 151.2-167.2

Date of Completion 11/30/84 Ground Elev. 5043.82
5044.00

Depth (feet)	Thickness (feet)	Lithologic Description
115-120	5	Fine sand, fair sort silt/clay 5%± largest clast 1/10"
120-125	5	As above silt/clay 5-7%
125-130	5	As above <u>no</u> larger clasts > 1/10"
130-135	5	Coarse sand clay/silt 5%± granule (1/10") size, no large clasts good/fair sort ()
135-140	5	Poor sort medium-very fine sand, clay/silt < 5% silt = 5%±
140-145	5	Good/fair sort coarse - medium sand silt = 5% ±
145-150	5	medium to fine sand, fair poor sort, clay/ silt < 5% no large clasts
150-155	5	As above
Last of 1/2# samples		
153-157	4	Coarse to medium sand/silt 5% + some large 1/2" clasts poor sort
157-160	3	Fine to medium sand, poor sort silt > 5%, some clasts > 1/2"
161-165	4	Fine sand, TR. large clasts silt/clay 5-10%

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FIELD
SAMPLE LOG

Continued

Well Number PSMW-8B Well Location N 1465680.46, E 382885.88
(Continued from Previous Page) T9N,R3E, Sec. 8, 222

Depth (feet)	Thickness (feet)	Lithologic Description
165-169	4	As above, very fine good/fair sort

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-9 Borehole Location N 1465862.93, E 382893.83
Property Owner Public Service Company of New Mexico
Sample Logger Peter H. Metzner, METRIC Corporation
Driller Rodgers & Company, Inc.
Drilling Medium Hollow Stem Auger

Date of Completion 2/28/92 Ground Elev. 5038.22

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 2	2.0	Moderate yellowish brown (10 YR 5/4) poorly sorted, subangular to subrounded, very fine sand to pebble gravel
2 - 3	1.0	Moderate yellowish brown (10 HR 5/4) poorly sorted, subangular to subrounded, very fine to very coarse sand
3 - 12	9.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, subangular to subrounded, very fine sand to small pebble gravel
12 - 25	13.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, subangular to subrounded, very fine to coarse sand
25 - 33	8.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, fine to medium sand
33 - 35	2.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, fine to very coarse sand
35 - 37	2.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine sand to small pebble gravel
37 - 40	3.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular, very fine to fine sand

SAMPLE LOG

Continued

Borehole Number PSMW-9 Borehole Location N 1465862.93, E 382893.83

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
40 - 44	4.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to coarse sand with some granule gravel
44 - 46	2.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded fine to medium sand
46 - 50	4.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to very coarse sand
50 - 51	1.0	Moderate yellowish brown (10 YR 5/4), sandy clay
51 - 54	3.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular, very fine to fine sand
54 - 61	7.0	Pale yellowish brown (10 YR 6/2), sandy clay
61 - 63	2.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular fine to medium sand
63 - 73	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to coarse sand
73 - 75	2.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine sand to medium pebble gravel
75 - 78	3.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular, very fine to medium sand
78 - 80	2.0	Moderate orange pink (5 YR 8/4), sandy clay
80 - 93	13.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular, very fine to medium sand
93 - 95	2.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand
95 - 97	2.0	Light brown (5 YR 6/4) clay
97 - 118	21.0	Pale yellowish brown (10 YR 6/2), and dark yellowish brown (10 YR 4/2), medium sorted, subangular to subrounded, fine to coarse sand

SAMPLE LOG

Continued

Borehole Number PSMW-9 Borehole Location N 1465862.93, E 382893.83

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
118 - 119	1.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular medium to very coarse sand
119 - 133	14.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, medium sand to pebble gravel
133 - 145	12.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand with some pebble and cobble gravel
145 - 150	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to coarse sand

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-10 **Borehole Location** N 1465562.41, E 383103.58

Property Owner Public Service Company of New Mexico

Sample Logger METRIC Corporation, Peter H. Metzner

Driller Rodgers & Company, Inc.

Drilling Medium Hollow Stem Auger

Date of Completion 3/13/92 **Ground Elev.** 5056.94

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 1	1.0	Moderate yellowish brown (10 YR 5/4), medium sorted, very fine to medium sand
1 - 2	1.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, subangular to subrounded, medium sand to pebble gravel
2 - 4	2.0	Pale yellowish brown (10 YR 6/2), clayey silt
4 - 8	4.0	Grayish orange (10 YR 7/4), very fine sand
8 - 10	2.0	Pale yellowish brown (10 YR 6/2) and moderate brown (5 YR 4/4) silty clay
10 - 13	3.0	Grayish orange (10 YR 7/4), silt to fine sand
13 - 18	5.0	Pale yellowish brown (10 YR 6/2), subangular, fine to medium sand with some granular gravel and cobbles
18 - 24	6.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular, very fine to medium sand
24 - 29	5.0	Very pale orange (10 YR 8/2) and light olive (5Y 5/2) silty clay
29 - 30	1.0	Moderate yellowish brown (10 YR 5/4), clayey fine sand
30 - 34	4.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular, fine to medium sand

SAMPLE LOG

Continued

Borehole Number PSMW-10 Borehole Location N 1465562.41, E 383103.58

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
34 - 49	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, medium to very coarse sand, with some granule and pebble gravel
49 - 60	11.0	Moderate yellowish brown (10 YR 5/4), medium sorted, subangular to subrounded, very fine to medium sand
60 - 68	8.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, fine to coarse sand
68 - 69	1.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, fine to coarse sand with some granule and pebble gravel
69 - 70	1.0	Moderate yellowish brown (10 YR 5/4), silty fine sand
70 - 75	5.0	Pale yellowish brown (10 YR 6/2), well sorted, subrounded, fine to medium sand
75 - 78	3.0	Grayish orange (10 YR 7/4), silty very fine sand
78 - 81	3.0	Grayish orange (10 YR 7/4), well sorted, slightly consolidated, very fine to fine sand
81 - 82	1.0	Grayish orange (10 YR 7/4) to moderate yellowish brown (10 YR 5/4) clay
82 - 83	1.0	Moderate yellowish brown (10 YR 5/4), well sorted, fine to medium sand
83 - 88	5.0	Moderate yellowish brown (10 YR 5/4) medium sorted, very fine to medium, slightly consolidated, sand
88 - 93	5.0	Moderate yellowish brown (10 YR 5/4), well sorted, fine to medium sand
93 - 98	5.0	Moderate yellowish brown (10 YR 5/4), silt to medium sand
98 - 100	2.0	Moderate yellowish brown (10 YR 5/4), medium sorted, medium to very coarse sand

SAMPLE LOG

Continued

Borehole Number PSMW-10 Borehole Location N 1465562.41, E 383103.58

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
100 - 101	1.0	Moderate yellowish brown (10 YR 5/4), silt to medium sand
101 - 104	3.0	Moderate to yellowish brown (10 YR 5/4), slightly consolidated, silt to fine sand
104 - 105	1.0	Light brown (5 YR 5/6), clayey very fine sand
105 - 108	3.0	Moderate yellowish brown (10 YR 5/4), slightly consolidated, silt to fine sand
108 - 113	5.0	Moderate yellowish brown (10 YR 5/4), medium sorted, very fine to medium sand
113 - 118	5.0	Moderate yellowish brown (10 YR 5.4), medium sorted, fine to coarse sand
118 - 119	1.0	Pale yellowish brown (10 YR 6/2), medium sorted, slightly consolidated, medium sorted, very fine to medium sand
119 - 120	1.0	Pale yellowish brown (10 YR 6/2), well sorted, subrounded, fine to medium sand
120 - 121	1.0	Moderate yellowish brown (10 YR 5/4), silt to medium sand
121 - 128	7.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, very fine to medium sand
128 - 148	20.0	Pale yellowish brown (10 YR 6/2), medium sorted, fine to coarse sand
148 - 153	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, slightly consolidated, very fine to medium sand
153 - 168	15.0	Pale yellowish brown (10 YR 6/2), medium sorted, very fine to medium sand

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-11 Borehole Location N 1465213.30, E 382843.00
Property Owner Public Service Company of New Mexico
Sample Logger Peter H. Metzner, METRIC Corporation
Driller Rodgers & Company, Inc.
Drilling Medium Hollow Stem Auger

Date of Completion 2/13/92 Ground Elev. 5054.10

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 3	3.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand with some small pebble gravel
3 - 29	26.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel with large pebble gravel
29 - 34	5.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, very fine to medium sand
34 - 38	4.0	Pale yellowish brown (10 YR 6/2) well sorted, subangular to subrounded fine to medium sand
38 - 39	1.0	Very pale orange (10 YR 8/2), clayey very fine sand, hard
39 - 41	2.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, fine to coarse sand
41 - 44	3.0	Pale yellowish brown (10 YR 6/2) well sorted, subrounded, fine to medium sand
44 - 47	3.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subrounded, fine to very coarse sand
47 - 48	1.0	Light brown (5 YR 6/4), very clayey fine sand

SAMPLE LOG

Continued

Borehole Number PSMW-11 Borehole Location N 1465213.30, E 382843.00

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
48 - 49	1.0	Moderate orange pink (5 YR 8/4), fine sandy clay
49 - 50	1.0	Pale yellowish brown (10 YR 6/2), medium sorted, subrounded, fine to medium sand
50 - 51	1.0	Very pale orange (10 YR 8/2), clayey fine sand, hard
51 - 63	12.0	Pale yellowish brown (10 YR 6/2), well sorted, subrounded, fine to medium sand
63 - 65	2.0	Very pale orange (10 YR 8/2) to moderate brown (5 YR 4/4) silty clay
65 - 73	8.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, fine to medium sand
73 - 84	11.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, fine to coarse sand
84 - 88	4.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, fine to very coarse sand, with some pebble gravel
88 - 98	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, slightly clayey very fine to coarse sand
98 - 103	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to coarse sand
103 - 108	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel with some small pebble gravel
108 - 109	1.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, fine to coarse sand
109 - 111	2.0	Moderate brown (5 YR 4/4) clay
111 - 123	12.0	Pale yellowish brown (10 YR 6/2) medium sorted, subrounded, very fine to medium sand

SAMPLE LOG

Continued

Borehole Number PSMW-11 Borehole Location N 1465213.30, E 382843.00

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
123 - 124	1.0	Dark yellowish brown (10 YR 4/2), poorly sorted, subrounded, fine to very coarse sand
124 - 133	9.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, slightly clayey very fine to very coarse sand
133 - 135	2.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel, with some small pebble gravel
135 - 138	3.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to coarse sand
138 - 143	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, clayey very fine to very coarse sand
143 - 149	6.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel with some small pebble gravel
149 - 150	1.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, clayey very fine sand to pebble gravel
150 - 163	13.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-12A Borehole Location N 1465715.35, E 382614.84
Property Owner Public Service Company of New Mexico
Sample Logger Peter H. Metzner, METRIC Corporation
Driller Rodgers & Company, Inc.
Drilling Medium Hollow Stem Auger

Date of Completion 2/14/92 Ground Elev. 5033.24

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 8	8.0	Moderate yellowish brown (10 YR 5/4), medium sorted, subangular to subrounded, very fine to coarse sand
8 - 14	6.0	Moderate yellowish brown (10 YR 5/4), very fine to very coarse sand with pebble gravel
14 - 15	1.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, subangular to subrounded, fine sand to small pebble gravel
15 - 23	8.0	Moderate yellowish brown (10 YR 5/4), medium sorted, subrounded, very fine to coarse sand
23 - 24	1.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, subrounded, slightly clayey very fine to coarse sand
24 - 38	14.0	Moderate yellowish brown (10 YR 5/4) medium sorted, subrounded, very fine to medium sand
38 - 40	2.0	Moderate yellowish brown (10 YR 5/4) clayey very fine to medium sand
40 - 43	3.0	Moderate yellowish brown (10 YR 5/4) clayey very fine to medium sand with some pebble gravel
43 - 48	5.0	Moderate yellowish brown (10 YR 5/4) clayey very fine to medium sand

SAMPLE LOG
Continued

Borehole Number PSMW-12A Borehole Location N 1465715.35, E 382614.84

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
48 - 53	5.0	Moderate yellowish brown (10 YR 5/4) medium sorted, subangular to subrounded, fine to coarse sand with some pebble gravel
53 - 58	5.0	Moderate yellowish brown (10 YR 5/4) medium sorted, subangular, fine to medium sand
58 - 68	10.0	Moderate yellowish brown (10 YR 5/4) poorly sorted, subangular, very fine to very coarse sand
68 - 73	5.0	Moderate yellowish brown (10 YR 5/4) well sorted, very fine to medium sand
73 - 79	6.0	Moderate yellowish brown (10 YR 5/4) medium sorted, subangular, fine to coarse sand
79 - 98	19.0	Moderate yellowish brown (10 YR 5/4) fine to very coarse sand with some pebble gravel
98 - 103	5.0	Moderate yellowish brown (10 YR 5/4) medium sorted, subrounded, fine to coarse sand
103 - 104	1.0	Moderate yellowish brown (10 YR 5/4) poorly sorted, subangular to subrounded, slightly clayey very fine to coarse sand
104 - 108	4.0	Moderate yellowish brown (10 YR 5/4) poorly sorted, subangular, very fine to coarse sand with some pebble gravel
108 - 109	1.0	Moderate yellowish brown (10 YR 5/4) poorly sorted, subangular to subrounded, slightly clayey very fine to coarse sand
109 - 118	9.0	Moderate yellowish brown (10 YR 5/4) poorly sorted, subangular, very fine to coarse sand with sand pebble gravel
118 - 123	5.0	Moderate yellowish brown (10 YR 5/4) poorly sorted, subangular, very fine to very coarse sand

SAMPLE LOG
Continued

Borehole Number PSMW-12A Borehole Location N 1465715.35, E 382614.84

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
123 - 133	10.0	Moderate yellowish brown (10 YR 5/4) medium sorted, subrounded, very fine to coarse sand
133 - 143	10.0	Moderate yellowish brown (10 YR 5/4) well sorted, subrounded, fine to medium sand

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-12B Borehole Location N 1465728.86, E 382612.43
Property Owner Public Service Company of New Mexico
Sample Logger Peter H. Metzner, METRIC Corporation
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 2/11/92 Ground Elev. 5033.09

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 20	20.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to very coarse sand
20 - 25	5.0	Pale yellowish brown (10 YR 6/2) well sorted, subangular to subrounded, granule gravel to small pebble gravel
25 - 30	5.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, slightly clayey very fine sand to granule gravel
30 - 35	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, subrounded, fine to very coarse sand
35 - 40	5.0	Pale yellowish brown (10 YR 6/2) medium sorted, subangular to subrounded, clayey fine to very coarse sand
40 - 45	5.0	Pale yellowish brown (10 YR 6/2) very clayey fine sand and granule gravel
45 - 55	10.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, very clayey fine to very coarse sand
55 - 60	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, clayey fine sand to granule gravel

SAMPLE LOG

Continued

Borehole Number PSMW-12B Borehole Location N 1465728.86, E 382612.43

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
60 - 75	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, slightly clayey fine sand to granule gravel
75 - 80	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, medium sand to granule gravel
80 - 85	5.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, slightly clayey very fine to granule gravel
85 - 95	10.0	Pale yellowish brown (10 YR 6/2) angular to subangular, granule to small pebble gravel with slightly clayey fine to medium sand
95 - 125	30.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, slightly clayey very fine sand to small pebble gravel
125 - 135	10.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular, medium sand to granule gravel
135 - 140	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand
140 - 150	10.0	Pinkish gray (5 YR 8/1) medium sorted, subangular to subrounded, medium to very coarse sand
150 - 155	5.0	Pinkish gray (5 YR 8/1) well sorted, subrounded to rounded, medium to coarse sand
155 - 160	5.0	Pinkish gray (5 YR 8/1), medium sorted, subrounded to rounded, fine to coarse sand
160 - 165	5.0	Pinkish gray (5 YR 8/1) poorly sorted, subangular to subrounded, very fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-13A Borehole Location N 1465460.95, E 382871.46
Property Owner Public Service Company of New Mexico
Sample Logger METRIC Corporation, Peter H. Metzner
Driller Rodgers & Company, Inc.
Drilling Medium Hollow Stem Auger

Date of Completion 2/27/92 Ground Elev. 5050.34

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 2	2.0	Moderate yellowish brown (10 YR 5/4), medium sorted, subangular to subrounded, fine to coarse sand
2 - 10	8.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, subangular medium to very coarse sand with some pebble gravel
10 - 15	5.0	Moderate yellowish brown (10 YR 5/4), silty to fine sand
15 - 18	3.0	Moderate yellowish brown (10 YR 5/4), well sorted, very fine to medium sand
18 - 20	2.0	Pale yellowish brown (10 YR 6/2), medium sorted, very fine to medium sand with some pebble gravel
20 - 23	3.0	Pale yellowish brown (10 YR 6/2), poorly sorted, angular, fine to very coarse sand with granule and pebble gravel
23 - 28	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, very fine to medium sand with some pebble gravel
28 - 29	1.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular fine to very coarse sand with granule and small pebble gravel

SAMPLE LOG

Continued

Borehole Number PSMW-13A Borehole Location N 1465460.95, E 382871.46

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
29 - 39	10.0	Moderate yellowish brown (10 YR 5/4), medium sorted, subrounded very fine to medium sand
39 - 45	6.0	Moderate yellowish brown (10 YR 5/4), well sorted, subrounded medium to coarse sand
45 - 50	5.0	Light brown (5 YR 6/4), silt to very fine sand
50 - 54	4.0	Pale yellowish brown (10 YR 6/2), well sorted, very fine to fine sand
54 - 58	4.0	Pale yellowish brown (10 YR 6/2), medium sorted, silt to medium, sand
58 - 63	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, very fine to coarse sand
63 - 65	2.0	Moderate yellowish brown (10 YR 5.4), medium sorted, very fine to medium sand
65 - 66	1.0	Pale yellowish brown (10 YR 6/2), silt to fine cemented sand
66 - 67	1.0	Grayish orange pink (5 YR 7/2), silt to fine slightly cemented sand
67 - 69	2.0	Moderate yellowish brown (10 YR 5.4), well sorted, very fine to fine sand
69 - 75	6.0	Moderate yellowish brown (10 YR 5.4), silt to fine slightly cemented sand
75 - 79	4.0	Moderate yellowish brown (10 YR 5.4), medium sorted, very fine to medium sand
79 - 80	1.0	Pale yellowish brown (10 YR 6/2), silt to very fine sand
80 - 81	1.0	Pale yellowish brown (10 YR 6/2), well sorted, very fine to fine sand

SAMPLE LOG

Continued

Borehole Number PSMW-13A Borehole Location N 1465460.95, E 382871.46

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
81 - 83	2.0	Pale yellowish brown (10 YR 6/2), poorly sorted, very fine to coarse sand
83 - 85	2.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, subrounded coarse sand to pebble gravel
85 - 88	3.0	Moderate yellowish brown (10 YR 5/4), cemented silt to fine sand
88 - 98	10.0	Moderate yellowish brown (10 YR 5/4), medium sorted, very fine to medium sand
98 - 100	2.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, medium sand to granule gravel, with some pebble gravel
100 - 103	3.0	Moderate yellowish brown (10 YR 5/4), very fine to medium sand
103 - 110	7.0	Pale yellowish brown (10 YR 6/2), well sorted, fine to medium sand
110 - 113	3.0	Very pale orange (10 YR 8/2), medium sorted, silt to medium sand
113 - 118	5.0	Moderate yellowish brown (10 YR 6/2), medium sorted, silt to medium sand
118 - 124	6.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded fine to medium sand
124 - 125	1.0	Pale yellowish brown (10 YR 6/2), medium sorted, subrounded medium sand to granule gravel
125 - 133	8.0	Pale yellowish brown (10 YR 6/2), medium sorted, very fine to medium sand
133 - 143	10.0	Light brown (5 YR 6/4), poorly sorted, slightly cemented, silt to pebble gravel, with some cobbles
143 - 148	5.0	Light brown (5 YR 6/4), poorly sorted, silt to granule gravel

SAMPLE LOG

Continued

Borehole Number PSMW-13A Borehole Location N 1465460.95, E 382871.46

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
148 - 158	10.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, slightly cemented, very fine sand to pebble gravel
158 - 160	2.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, subangular to subrounded, fine sand to granule gravel
160 - 162	2.0	Moderate yellowish brown (10 YR 5/4), medium sorted, fine to coarse sand

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-13B Borehole Location N 1465449.51, E 382859.71
Property Owner Public Service Company of New Mexico
Sample Logger METRIC Corporation, Peter H. Metzner
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 4/13/92 Ground Elev. 5050.20

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 10	10.0	Pale yellowish brown (10 YR 6/2) medium sorted, subrounded, coarse sand to granule gravel
10 - 15	5.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, slightly clayey fine sand to small pebble gravel
15 - 25	10.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, medium sand to granule gravel
25 - 35	10.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular, clayey medium sand to small pebble gravel
35 - 40	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, slightly clayey very fine sand to granule gravel
40 - 60	20.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, clayey very fine sand to small pebble gravel
60 - 75	15.0	Pale yellowish brown (10 YR 6/2) very fine to very coarse sandy clay
75 - 100	25.0	Pale yellowish brown (10 YR 6/2) very fine to coarse sandy clay, with granule gravel

SAMPLE LOG

Continued

Borehole Number PSMW-13B Borehole Location N 1465449.51, E 382859.71

(Continued from Previous Page)

<u>Depth (feet)</u>	<u>Thickness (feet)</u>	<u>Stratigraphic Description</u>
100 - 105	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, very fine sand to granule gravel
105 - 115	10.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subrounded, slightly clayey very fine sand to granule gravel
115 - 130	15.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subrounded, very fine sand to granule gravel
130 - 135	5.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, granule gravel with some fine to coarse sand
135 - 140	5.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subrounded, fine sand to granule gravel
140 - 155	15.0	Pale yellowish brown (10 YR 6/2) well sorted, subangular to subrounded, granule gravel to small pebble gravel
155 - 170	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine sand to small pebble gravel
170 - 180	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, coarse sand to small pebble gravel
180 - 185	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular, granule gravel to small pebble gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-14 Borehole Location N 1466293.85, E 382916.20
Property Owner Schwartzman Trust
Sample Logger METRIC Corporation, Peter H. Metzner
Driller Rodgers & Company, Inc.
Drilling Medium Hollow Stem Auger

Date of Completion 3/11/92 Ground Elev. 5044.62

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 8	8.0	Light brown (5 YR 6/4), medium sorted, very fine to medium, angular to subangular, sand
8 - 13	5.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, very fine to coarse, angular to subangular, sand with pebble gravel
13 - 18	5.0	Moderate yellowish brown (10 YR 5/4), medium sorted very fine to medium, angular to subangular, sand, with some pebble gravel
18 - 23	5.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, fine to very coarse, subangular sand with granule and pebble gravel
23 - 47	24.0	Moderate yellowish brown (10 YR 5/4), medium sorted, fine to very coarse, subrounded sand with some granule and pebble gravel
47 - 48	1.0	Moderate yellowish brown (10 YR 5/4), well sorted, silty to very fine sand
48 - 49	1.0	Moderate yellowish brown (10 YR 5/4), medium sorted, fine to coarse sand with some granule gravel
49 - 58	9.0	Moderate yellowish brown (10 YR 5/4) medium sorted, very fine to medium sand

SAMPLE LOG

Continued

Borehole Number PSMW-14 Borehole Location N 1466293.85, E 382916.20

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
58 - 59	1.0	Moderate yellowish brown (10 YR 5/4), poorly sorted, very fine to very coarse sand with granule gravel
59 - 63	4.0	Very pale orange (10 YR 8/2), clayey silt
63 - 64	1.0	Very pale orange (10 YR 8/2), silt
64 - 65	1.0	Pale yellowish brown (10 YR 6/2), medium sorted, subrounded to rounded very fine to medium sand
65 - 69	4.0	Very pale orange (10 YR 8/2), clayey silt
69 - 70	1.0	Moderate yellowish brown (10 YR 5/4), clayey silt
70 - 73	3.0	Moderate yellowish brown (10 YR 5/4), silt to very fine sand
73 - 75	2.0	Moderate yellowish brown (10 YR 5/4), well sorted, to medium sand
75 - 76	1.0	Moderate yellowish brown (10 YR 5/4), medium sorted, very fine to medium sand
76 - 77	1.0	Moderate brown (5 YR 4/4), silty clay
77 - 88	11.0	Moderate yellowish brown (10 YR 5/4), medium sorted, very fine to medium sand
88 - 103	15.0	Pale yellowish brown (10 YR 6/2), well sorted, subrounded, medium sand
103 - 108	5.0	Moderate yellowish brown (10 YR 5/4), medium sorted, very fine to medium sand

SAMPLE LOG

Continued

Borehole Number PSMW-14 Borehole Location N 1466293.85, E 382916.20

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
108 - 113	5.0	Moderate yellowish brown (10 YR 5/4), well sorted, fine to medium sand
113 - 127	14.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand
127 - 133	6.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand, with some pebble gravel
133 - 138	5.0	Pale yellowish brown (10 YR 6/2), fine to very coarse sand
138 - 143	5.0	Pale yellowish brown (10 YR 6/2), very poorly sorted, slightly consolidated, very fine sand to granule gravel, with some pebble gravel
143 - 149	6.0	Pale yellowish brown (10 YR 6/2), very poorly sorted, very fine sand to granule gravel
149 - 156	7.0	Pale yellowish brown (10 YR 6/2), medium sorted, fine to very coarse sand

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-15B Borehole Location N 1465376.86, E 382593.77
Property Owner Public Service Company of New Mexico
Sample Logger Peter H. Metzner, METRIC Corporation
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 1/31/92 Ground Elev. 5038.89

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 25	25.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand
25 - 30	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel
30 - 40	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, medium to very coarse sand
40 - 50	10.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, fine to very coarse sand
50 - 65	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel
65 - 105	40.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, slightly clayey, very fine to very coarse sand
105 - 110	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, very coarse sand to small pebble gravel

SAMPLE LOG

Continued

Borehole Number PSMW-15B Borehole Location N 1465376.86, E 382593.77

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
110 - 125	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, fine sand to granule gravel
125 - 135	10.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, granule to small pebble gravel
135 - 145	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, fine sand to small pebble gravel
145 - 151	6.0	Pale yellowish brown (10 YR 6/2), well sorted, subrounded, pebble gravel
151 - 155	4.0	Pale yellowish brown (10 YR 6/2), medium sorted, subrounded, fine to coarse sand
155 - 160	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, medium sand to granule gravel
160 - 171	11.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, medium sand to granule gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-16 Borehole Location N 1465500.26, E 383481.43
Property Owner Public Service Company of New Mexico
Sample Logger Peter H. Metzner, METRIC Corporation
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 4/15/92 Ground Elev. 5091.39

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 30	30.0	Pale yellowish brown (10 YR 6/2), poorly sorted, angular to subangular, slightly clayey very fine sand to granule gravel
30 - 45	15.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, medium to very coarse sand
45 - 80	35.0	Very pale orange (10 YR 8/2), yellowish gray (5 YR 8/1), and light brownish gray (5 YR 6/1), yellowish brownish gray (5 YR 6/1) clay
80 - 90	10.0	Pale yellowish brown (10 YR 6/2), medium sorted, subrounded, coarse sand to granule gravel
90 - 105	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, very fine sand to small pebble gravel, with yellowish gray (5 Y 8/1), sandy clay
105 - 110	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, medium sand to small pebble gravel with very pale orange (10 YR 8/2), to light brown (5 YR 6/4) clay
110 - 185	75.0	Variaegated clay, mostly yellowish gray (5 YR 7/2), with some sand and granule gravel
185 - 208	23.0	Pale yellowish brown (10 YR 6/2), medium sorted, subrounded, medium to very coarse sand

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-17 Borehole Location N 1465200.21, E 383217.29
Property Owner Public Service Company of New Mexico
Sample Logger Peter H. Metzner, METRIC Corporation
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 4/21/92 Ground Elev. 5075.58

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 5	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, medium sand to granule gravel
5 - 25	20.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, medium sand to small pebble gravel
25 - 40	15.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, granule pebble gravel
40 - 50	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, medium sand to granule gravel
50 - 60	10.0	Grayish orange pink (5 YR 7/2) clayey medium to very coarse sand
60 - 65	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel
65 - 75	10.0	Medium gray (5N), well sorted, subangular, granule to small pebble gravel
75 - 85	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, slightly clayey fine to coarse sand with pebble gravel

SAMPLE LOG

Continued

Borehole Number PSMW-17 Borehole Location N 1465200.21, E 383217.29

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
85 - 105	20.0	Medium gray (N5) pebble gravel with some pale yellowish brown (10 YR 6/2) fine sandy clay
105 - 129	24.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, clayey very fine to coarse sand with some pebble gravel
129 - 145	16.0	Pale yellowish brown (10 YR 6/2), clayey fine to medium sand
145 - 150	5.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, fine sand to granule gravel
150 - 185	35.0	Pale yellowish brown (10 YR 6/2) slightly clayey fine to very coarse sand with granule gravel
185 - 191	6.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, pebble gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-18 Borehole Location N 1465861.77, E 383310.74
Property Owner Public Service Company of New Mexico
Sample Logger Peter H. Metzner, METRIC Corporation
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 4/23/92 Ground Elev. 5069.34

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 10	10.0	Light olive gray (5 YR 6/1) and grayish orange pink (5 YR 7/2) clay
10 - 15	5.0	Moderate yellowish brown (10 YR 5/4) clay
15 - 20	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, very fine sand to small pebble gravel, and pale yellowish brown (10 YR 6/2) sandy clay
20 - 30	10.0	Very pale orange (10 YR 8/2) to grayish orange (10 YR 7/4) clay with granule gravel
30 - 45	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine sand to pebble gravel
45 - 55	10.0	Very pale orange (10 YR 8/2) to pale yellowish brown (10 YR 6/2) sandy clay with granule to pebble gravel
55 - 60	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, slightly clayey very fine sand to granule gravel
60 - 85	25.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, very fine sand to pebble gravel, with some pale yellowish brown (10 YR 6/2) sandy clay

SAMPLE LOG

Continued

Borehole Number PSMW-18 Borehole Location N 1465861.77, E 383310.74

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
85 - 120	35.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, clayey very fine sand to pebble gravel
120 - 130	10.0	Light brown (5 YR 6/4) sandy clay
130 - 158	28.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, fine sand to granule gravel with some light brown (5 YR 6/4) sandy clay
158 - 170	12.0	Pale yellowish brown (10 YR 6/2), well sorted, angular to subangular, very coarse sand to granule gravel
170 - 180	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine sand to small pebble gravel
180 - 185	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, coarse sand to granule gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-19 Borehole Location N 1464958.35, E 383703.76
Property Owner New Mexico State Highway and Transportation Department
Sample Logger Peter H. Metzner, METRIC Corporation
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 4/28/92 Ground Elev. 5113.96

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 5	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, medium sand to small pebble gravel
5 - 15	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, slightly clayey fine sand to pebble gravel
15 - 30	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine sand to pebble gravel, with moderate orange pink (5 YR 8/4) clay layers
30 - 35	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, slightly clayey, very fine sand with some pebble gravel
35 - 55	20.0	Pale yellowish brown (10 YR 8/4), poorly sorted, subrounded, slightly clayey very fine to very coarse sand with some granule gravel
55 - 65	10.0	Pale yellowish brown (10 YR 8/4), poorly sorted, subrounded, slightly clayey fine sand to small pebble gravel
65 - 80	15.0	Pale yellowish brown (10 YR 8/4), poorly sorted, subrounded, very fine to coarse sand with small pebble gravel and some pinkish gray (5 YR 8/1) clay

SAMPLE LOG

Continued

Borehole Number PSMW-19 Borehole Location N 1464958.35, E 383703.76

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
80 - 90	10.0	Pale yellowish brown (10 YR 8/4), poorly sorted, subangular, to subrounded, very fine sand to granule gravel with yellowish gray (5 YR 8/1) clay
90 - 95	5.0	Pale yellowish brown (10 YR 8/4), poorly sorted, subangular to subrounded, very fine sand to granule gravel with yellowish gray (5 YR 8/1) clay and brownish gray (5 YR 4/1) clay
95 - 115	20.0	Pale yellowish brown (10 YR 8/4) clay with some granule gravel
115 - 135	20.0	Pale yellowish brown (10 YR 8/4), poorly sorted, subangular to subrounded, slightly clayey very fine sand to small pebble gravel
135 - 160	25.0	Very pale orange (10 YR 8/2) clay with some coarse sand and small pebble gravel
160 - 195	35.0	Pale yellowish brown (10 YR 8/4), poorly sorted, subangular to subrounded, clayey very fine sand to small pebble gravel
195 - 205	10.0	Pale yellowish brown (10 YR 6/2) clay with fine to coarse sand
205 - 215	10.0	Pale greenish yellow (10 YR 8/2) clay with very coarse sand to granule gravel
215 - 225	10.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, medium sand to granule gravel with some light olive brown (5 YR 5/6) and pale olive (10 YR 6/2) clay
225 - 233	8.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, granule gravel with some very pale orange (10 YR 8/2) clay

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-20 Borehole Location N 1465860.79, E 383762.16
Property Owner New Mexico State Highway and Transportation Department
Sample Logger METRIC Corporation, Peter H. Metzner
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 5/7/92 Ground Elev. 5108.00

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 20	20.0	Pale yellowish brown (10 YR 6/2), medium sorted, angular to subangular, coarse gravel
20 - 25	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, angular to subangular, coarse sand to pebble gravel
25 - 30	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, angular to subangular, coarse sand to pebble gravel, with thin grayish yellow green (5GY 7/2) clay layer
30 - 35	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, angular to subangular, coarse sand to pebble gravel
35 - 40	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel
40 - 45	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to granule gravel with thin layer of grayish orange pink (5 YR 7/2) clay

SAMPLE LOG

Continued

Borehole Number PSMW-20 Borehole Location N 1465860.79, E 383762.16

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
45 - 55	10.0	Grayish orange pink (5 YR 7/2) and grayish yellow green (5 GY 7/2) silty clay
55 - 60	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular, coarse sand to granule gravel
60 - 65	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to very coarse sand
65 - 70	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel with some grayish yellow green (5 GY 7/2) clay
70 - 80	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine sand to pebble gravel
80 - 85	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular, coarse sand to granule gravel
85 - 95	10.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, medium sand to granule gravel
95 - 105	10.0	Grayish orange pink (5 YR 7/2) clay with some pebble gravel
105 - 115	10.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, medium sand to granule gravel
115 - 125	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, very fine sand to pebble gravel and grayish orange pink (5 YR 7/2) clay

SAMPLE LOG

Continued

Borehole Number PSMW-20 Borehole Location N 1465860.79, E 383762.16

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
125 - 130	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, very fine sand to pebble gravel
130 - 140	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, fine sand to small pebble gravel
140 - 145	5.0	Pale yellowish brown (10 YR 6/2), clayey very fine sand with some granule and pebble gravels
145 - 155	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, very fine sand to granule gravel
155 - 160	5.0	Pale yellowish brown (10 YR 6/2), clayey very fine to granule gravel
160 - 180	20.0	Moderate yellowish brown (10 YR 5/4) silty clay
180 - 190	10.0	Pale yellowish brown (10 YR 6/2), clayey very fine to coarse sand with moderate yellowish brown (10 YR 5/4) clay
190 - 195	5.0	Pale yellowish brown (10 YR 6/2), clayey very fine to coarse sand
195 - 205	10.0	Pale yellowish brown (10 YR 6/2) and yellowish gray (5 Y 7/2) clay
205 - 210	5.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, coarse to very coarse sand with very pale orange (10 YR 8/2) clay
210 - 220	10.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, coarse sand to granule gravel
220 - 226	6.0	Pale yellowish brown (10 YR 6/2), well sorted, subrounded, coarse to very coarse sand

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-21 Borehole Location N 1464868.94, E 383258.40
Property Owner Public Service Company of New Mexico
Sample Logger Peter H. Metzner, METRIC Corporation
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 5/5/92 Ground Elev. 5104.92

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 5	5.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular, very coarse sand to small pebble gravel
5 - 15	10.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular, slightly clayey fine sand to granule gravel
15 - 40	25.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, fine sand to small cobble gravel with some very pale orange (10 YR 8/2) sandy clay
40 - 50	10.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular, medium sand to small cobble gravel
50 - 55	5.0	Very pale orange (10 YR 8/2) sandy clay
55 - 62	7.0	Very pale orange (10 YR 8/2) silty clay
62 - 75	13.0	Pale greenish yellow (10 YR 8/2) sandy clay
75 - 77	2.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular, clayey fine sand to granule gravel
77 - 80	3.0	Light olive gray (5 YR 6/1) clay

SAMPLE LOG

Continued

Borehole Number PSMW-21 Borehole Location N 1464868.94, E 383258.40

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
80 - 100	20.0	Pale yellowish brown (10 YR 6/2) well sorted, subangular to subrounded, slightly clayey very coarse sand to granule gravel
100 - 110	10.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subrounded, clayey fine sand to granule gravel
110 - 120	10.0	Light brown (5 YR 5/6) clay with pale yellowish brown (10 YR 6/2) medium sand to granule gravel
120 - 125	5.0	Very pale orange (10 YR 8/2) clay with some granule gravel
125 - 145	20.0	Light brown (5 YR 6/4) clay with some granule gravel
145 - 165	20.0	Pale yellowish brown (10 YR 6/3) poorly sorted, subangular to subrounded, clayey fine sand to very coarse sand
165 - 180	15.0	Pale yellowish brown (10 YR 6/2) clay with fine to very coarse sand
180 - 210	30.00	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, medium sand to granule gravel
210 - 221	11.0	Pale yellowish brown (10 YR 6/2) medium sorted, subangular to subrounded, very coarse sand to granule gravel with some yellowish gray (5 YR 8/1) clay

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-22 Borehole Location N 1465464.41, E 383720.03
Property Owner New Mexico State Highway and Transportation Department
Sample Logger Peter H. Metzner, METRIC Corporation
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 5/13/92 Ground Elev. 5109.05

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 5	5.0	Very pale orange (10 YR 8/2) clay and pale yellowish brown (10 YR 6/2) medium sorted, subrounded, coarse sand to pebble gravel
5 - 15	10.0	Pale yellowish brown (10 YR 6/2) medium sorted, subangular, very coarse sand to pebble gravel
15 - 20	5.0	Pale yellowish brown (10 YR 6/2) medium sorted, subangular, clayey coarse sand to pebble gravel
20 - 22	2.0	Pale yellowish brown (10 YR 6/2) medium sorted, subangular, coarse sand to pebble gravel
22 - 35	13.0	Pale yellowish brown (10 YR 6/2) medium sorted, subangular to subrounded, coarse sand to pebble gravel with very pale orange (10 YR 8/2) clay
35 - 40	5.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, clayey medium sand to pebble gravel
40 - 60	20.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, slightly clayey fine sand to pebble gravel

SAMPLE LOG

Continued

Borehole Number PSMW-22 Borehole Location N 1465464.41, E 383720.03

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
60 - 62	2.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded clayey fine sand to pebble gravel
62 - 78	16.0	Pale yellowish brown (10 YR 6/2) clay with coarse sand to pebble gravel
78 - 85	7.0	Very pale orange (10 YR 8/2) silty clay
85 - 90	5.0	Pale greenish yellow (10 YR 8/2) silty clay
90 - 93	3.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, medium sand to pebble gravel
93 - 103	10.0	Very pale orange (10 YR 8/2) silty clay with some granule and pebble gravel
103 - 115	12.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to subrounded, fine sand to granule gravel
115 - 118	3.0	Light brown (5 YR 6/4) clay with some granule gravel
118 - 130	12.0	Pale yellowish brown (10 YR 6/2) poorly sorted subangular to subrounded, fine sand to granule gravel
130 - 137	7.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular, slightly clayey fine sand to granule gravel
137 - 155	18.0	Very pale orange (10 YR 8/2) sandy clay
155 - 160	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, fine to very coarse sand
160 - 162	2.0	Light brown (5 YR 6/4) sandy clay
162 - 167	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, very fine to very coarse sand
167 - 180	13.0	Pale yellowish brown (10 YR 6/2) clay

SAMPLE LOG

Continued

Borehole Number PSMW-22 Borehole Location N 1465464.41, E 383720.03

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
180 - 200	20.0	Pale yellowish brown (10 YR 6/2), sandy clay
200 - 210	10.0	Pale greenish yellow (10 YR 8/2) clay with pale yellowish brown (10 YR 6/2) coarse sand to granule gravel
210 - 225	15.0	Pale yellowish brown (10 YR 6/2) medium sorted, subrounded, medium sand to granule gravel
225 - 227	2.0	Pale yellowish brown (10 YR 6/2) well sorted, subrounded, very coarse sand to granule gravel with pale greenish yellow (10 YR 8/2) clay

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-23 **Borehole Location** N 1465861.77, E 383310.74

Property Owner New Mexico State Highway and Transportation Department

Sample Logger Peter H. Metzner, METRIC Corporation

Driller Rodgers & Company, Inc.

Drilling Medium Mud Rotary

Date of Completion 7/16/92 **Ground Elev.** 5085.77

Depth (feet)	Thickness (feet)	Stratigraphic Description
0 - 20	20.0	Pale yellowish brown (10 YR 6/2) medium sorted, subangular to subrounded, medium sand to granule gravel
20 - 25	5.0	Pale yellowish brown (10 YR 6/2) well sorted, subangular, granule gravel with grayish pink orange (5 YR 7/2) clay
25 - 34	9.0	Grayish pink orange (5 YR 7/2) clay
34 - 44	10.0	Pale yellowish brown (10 YR 6/2) clayey fine sand to granule gravel
44 - 55	11.0	Pale yellowish brown (10 YR 6/2) fine sand to granule gravel, with pebble gravel
55 - 60	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, subrounded, medium sand to granule gravel
60 - 71	11.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, fine sand to small pebble gravel
71 - 83	12.0	Grayish orange pink (5 YR 7/2) and yellowish gray (5 YR 7/2) clay with some coarse sand and granule gravel
83 - 93	10.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subangular to angular, clayey fine sand to granule gravel

SAMPLE LOG

Continued

Borehole Number PSMW-23 Borehole Location N 1465861.77, E 383310.74

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
93 - 102	9.0	Pale yellowish brown (10 YR 6/2), sandy clay with coarse sand and granule gravel
102 - 135	33.0	Pale yellowish brown (10 YR 6/2), medium sorted, subrounded, fine to coarse sand
135 - 145	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to coarse sand
145 - 150	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, subrounded, fine to coarse sand
150 - 154	4.0	Pale yellowish brown (10 YR 6/2) medium sorted, subrounded, fine to coarse sand with some grayish orange pink (5 YR 7/2)
154 - 175	21.0	Pale yellowish brown (10 YR 6/2) poorly sorted, subrounded, fine sand to granule gravel
175 - 205	30.0	Brownish gray (5 YR 4/1) poorly sorted, subrounded medium sand to granule gravel, with some small pebble gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-24 Borehole Location N 1465389.86, E 384191.36

Property Owner Ethicon

Sample Logger METRIC Corporation - Peter H. Metzner

Driller Rodgers & Company, Inc.

Drilling Medium Rotary Mud

Date of Completion 9/16/92 Ground Elev. 5138.29

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 8.0	8.0	Light brown (5 YR 6/4), poorly sorted subangular to subrounded, very coarse sand to small pebble gravel
8.0 - 19.0	11.0	Moderate orange pink (5 YR 8/4), slightly clayey, very fine to coarse sand, with small pebble gravel
19.0 - 22.0	3.0	Moderate orange pink (5 YR 8/4), slightly clayey, very fine sand to small pebble gravel
22.0 - 50.0	28.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular fine sand to granule gravel
50.0 - 55.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular medium sand to small pebble gravel
55.0 - 70.0	15.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular very coarse sand to small pebble gravel
70.0 - 90.0	20.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, fine sand to small pebble gravel

SAMPLE LOG

Continued

Borehole Number PSMW-24 Borehole Location N 1465389.86, E 384191.36

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
90.0 - 103.0	13.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, very fine to very coarse sand
103.0 - 120.0	17.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, silt to granule gravel
120.0 - 126.0	6.0	Yellowish gray (5 YR 7/2) clay with granule and small pebble gravels
126.0 - 135.0	9.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, very fine sand to granule gravel
135.0 - 140.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, medium sand to small pebble gravel
140.0 - 155.0	15.0	Pale yellowish brown (10 YR 6/2), poorly, sorted, angular to subangular, medium sand to small pebble gravel, with light brown (5 YR 6/4) and yellowish gray (5 Y 7/2) clay
155.0 - 170.0	15.0	Very pale orange (10 YR 8/2), clayey fine to medium sand, with some small pebble gravel
170.0 - 175.0	5.0	Very pale orange (10 YR 8/2), poorly sorted, angular to subangular clayey fine sand to small pebble gravel
175.0 - 195.0	20.0	Very pale orange (10 YR 8/2), poorly sorted, angular to subangular, clayey fine sand to granule gravel

SAMPLE LOG

Continued

Borehole Number PSMW-24 Borehole Location N 1465389.86, E 384191.36

(Continued from Previous Page)

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Stratigraphic Description</u>
195.0 - 225.0	30.0	Very pale orange (10 YR 8/2), poorly sorted, angular to subangular clay fine to coarse sand
225.0 - 235.0	10.0	Very pale orange (10 YR 8/2), poorly sorted, subangular to subrounded, medium to very coarse sand, with yellowish gray (5 Y 7/2) clay
235.0 - 240.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand
240.0 - 259.0	19.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-25 Borehole Location N 1465780.13, E 384243.49
Property Owner Ethicon
Sample Logger METRIC Corporation, Peter H. Metzner
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 11/19/92 Ground Elev. 5121.79

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 5.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand
5.0 - 20.0	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel
20.0 - 25.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand
25.0 - 30.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded fine sand to granule gravel
30.0 - 35.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to coarse sand
35.0 - 45.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded fine to very coarse sand

SAMPLE LOG

Continued

Borehole Number PSMW-25 Borehole Location N 1465780.13, E 384243.49

(Continued from Previous Page)

<u>Depth (feet)</u>	<u>Thickness (feet)</u>	<u>Stratigraphic Description</u>
45.0 - 55.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand
55.0 - 63.0	8.0	Pale yellowish brown (10 YR 6/2), well sorted, subrounded, granule gravel
63.0 - 80.0	17.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, medium to very coarse sand
80.0 - 85.0	5.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, medium to coarse sand
85.0 - 89.0	4.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand
89.0 - 95.0	6.0	Pale yellowish brown (10 YR 6/2), poorly sorted, fine to very coarse sand, with yellowish gray (5 Y 8/1), clay
95.0 - 100.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, fine to very coarse sand
100.0 - 105.0	5.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular, granule gravel with some yellowish gray (5 Y 8/1) clay
105.0 - 108.0	3.0	Yellowish gray (5 Y 8/1), clay with granule gravel
108.0 - 120.0	12.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, very coarse sand to granule gravel
120.0 - 150.0	30.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel

SAMPLE LOG

Continued

Borehole Number PSMW-25 Borehole Location N 1465780.13, E 384243.49

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
150.0 - 160.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, slightly clayey, very fine sand to granule gravel
160.0 - 175.0	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, slightly clayey, fine to coarse sand
175.0 - 185.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to coarse sand, with some yellowish gray (5 Y 8/1) clay
185.0 - 195.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, clayey, fine to coarse sand, with some granule gravel
195.0 - 200.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, medium to very coarse sand
200.0 - 215.0	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, slightly clayey, fine to coarse sand
215.0 - 220.0	5.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, coarse sand to granule gravel
220.0 - 249.0	29.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, medium to very coarse sand

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-26 Borehole Location N 1465007.19, E 384219.41
Property Owner Ethicon
Sample Logger METRIC Corporation, Peter H. Metzner
Driller Rodgers & Company, Inc.
Drilling Medium Rotary Mud

Date of Completion 11/25/92 Ground Elev. 5145.13

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 5.0	5.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, coarse to very coarse sand
5.0 - 20.0	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, clayey, fine sand to granule gravel
20.0 - 25.0	5.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, coarse sand to granule gravel
25.0 - 40.0	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, fine sand to granule gravel
40.0 - 45.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, fine to very coarse sand
45.0 - 50.0	5.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, coarse to very coarse sand
50.0 - 60.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to very coarse sand

SAMPLE LOG

Continued

Borehole Number PSMW-26 Borehole Location N 1465007.19, E 384219.41

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
60.0 - 80.0	20.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel with some yellowish gray (5 Y 8/1) clay
80.0 - 90.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to coarse sand with some pinkish gray (5 YR 8/1) clay
90.0 - 105.0	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to very coarse sand
105.0 - 110.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to very coarse sand with some pebble gravel
110.0 - 119.0	9.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, clayey, very fine to very coarse sand, and yellow gray (5 Y 8/1), clay
119.0 - 135.0	16.0	Yellowish gray (5 Y 8/1), sandy clay
135.0 - 145.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, clayey, medium to very coarse sand, and yellow gray (5 Y 8/1) clay
145.0 - 155.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, angular to subangular medium to coarse sand
155.0 - 160.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted angular to subangular, clayey, very fine to very coarse sand

SAMPLE LOG

Continued

Borehole Number PSMW-26 Borehole Location N 1465007.19, E 384219.41

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
160.0 - 170.0	10.0	Pale yellowish brown (10 YR 6/2), sandy clay
170.0 - 230.0	60.0	Pale yellowish brown (10 YR 6/2), poorly sorted, angular to subangular, clayey, fine to very coarse sand
230.0 - 235.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to coarse sand
235.0 - 245.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, fine to coarse sand, and yellowish gray (5 Y 8/1) clay
245.0 - 250.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, slightly clayey very fine to coarse sand
250.0 - 264.0	14.0	Pale yellowish brown (10 YR 6/2), medium sorted, subrounded, fine to coarse sand

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-27 Borehole Location N 1465491.18, E 384562.95

Property Owner Ethicon

Sample Logger METRIC Corporation, Peter H. Metzner

Driller Rodgers & Company, Inc.

Drilling Medium Rotary Mud

Date of Completion 12/3/92 Ground Elev. 5148.22

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 5.0	5.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, medium to coarse sand
5.0 - 20.0	15.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, coarse to very coarse sand
20.0 - 25.0	5.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, granule gravel
25.0- 30.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, fine to very coarse sand
30.0 - 35.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, very fine to very coarse sand with some granule gravel
35.0 - 50.0	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, very fine to coarse sand
50.0 - 60.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subrounded, very fine to very coarse sand

SAMPLE LOG

Continued

Borehole Number PSMW-27 Borehole Location N 1465491.18, E 384562.95

(Continued from Previous Page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
60.0 - 70.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to coarse sand
70.0 - 85.0	15.0	Pale yellowish brown (10 YR 6/2), medium sorted, subrounded, medium to very coarse sand
85.0 - 100.0	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to very coarse sand
100.0 - 120.0	20.0	Pale yellowish brown (10 YR 6/2), medium sorted subangular, medium to very coarse sand
120.0 - 135.0	15.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, clayey, fine to very coarse sand
135.0 - 155.0	20.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, slightly clayey, fine sand to granule gravel
155.0 - 175.0	20.0	Pale yellowish brown (10 YR 6/2), poorly sorted subangular to subrounded, fine to very coarse sand
175.0 - 185.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, fine sand to granule gravel
185.0 - 225.0	40.0	Pale yellowish brown (10 YR 6/2), poorly sorted, clayey, very fine to very coarse sand
225.0 - 235.0	10.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular to subrounded, very fine to very coarse sand
235.0 - 240.0	5.0	Pale yellowish brown (10 YR 6/2), poorly sorted subangular to subrounded, very fine sand to granule gravel

SAMPLE LOG

Continued

Borehole Number PSMW-27 Borehole Location N 1465491.18, E 384562.95

(Continued from Previous Page)

<u>Depth</u> <u>(feet)</u>	<u>Thickness</u> <u>(feet)</u>	<u>Stratigraphic Description</u>
240.0 - 250.0	10.0	Pale yellowish brown (10 YR 6/2), medium sorted, subangular to subrounded, medium to very coarse sand
250.0 - 255.0	5.0	Pale yellowish brown (10 YR 6/2), well sorted, subangular to subrounded, coarse to very coarse sand
255.0 - 269.0	14.0	Pale yellowish brown (10 YR 6/2), poorly sorted, subangular, very fine to very coarse sand

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-28 Borehole Location N 1466131.94, E 384684.66
Property Owner University of New Mexico
Sample Logger Phil Berry, METRIC Corporation
Driller Rodgers & Co., Inc.
Drilling Medium Rotary Mud
Date of Completion 2/18/93 Ground Elevation 5159.65

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 5.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, very fine to very coarse sand
5.0 - 10.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, angular to subangular, fine to very coarse sand
10.0 - 20.0	10.0	Pale yellowish brown (10 YR, 6/2), well sorted, angular to subangular, very coarse sand to granule gravel
20.0 - 30.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, angular to subangular, fine sand to granule gravel
30.0 - 35.0	5.0	Pale yellowish brown (10 YR, 6/2), medium sorted, angular to subangular, medium to very coarse sand
35.0 - 40.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, very fine to very coarse sand, with some granule gravel

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-28 Borehole Location N 1466131.94, E 384684.66

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
40.0 - 45.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, fine to very coarse sand, some granule gravel
45.0 - 50.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, very fine to coarse sand, with some very coarse sand
50.0 - 60.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, very fine to very coarse sand
60.0 - 75.0	15.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, very fine sand to granule gravel, with some small pebble gravel
75.0 - 80.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, very fine sand to coarse sand
80.0 - 90.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, very fine to very coarse sand
90.0 - 100.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, silt to very coarse sand
100.0 - 105.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, very fine to coarse sand

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-28 Borehole Location N 1466131.94, E 384684.66

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
105.0 - 110.0	5.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded to rounded, fine to very coarse sand
110.0 - 120.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, very fine to very coarse sand
120.0 - 125.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, fine to very coarse sand
125.0 - 129.0	4.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, very fine to coarse sand
129.0 - 135.0	6.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, clayey very fine to very coarse sand
135.0 - 140.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, silt to very coarse sand
140.0 - 156.0	16.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, clayey subrounded to rounded, silt to coarse sand
156.0 - 160.0	4.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, very fine to very coarse sand
160.0 - 180.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, fine to very coarse sand

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-28 Borehole Location N 1466131.94, E 384684.66

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
180.0 - 200.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, very fine to very coarse sand
200.0 - 205.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, very fine to very coarse sand
205.0 - 215.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, silt to granule gravel
215.0 - 220.0	5.0	Pale yellowish brown (10 YR, 6/2), well sorted, subangular to subrounded, very coarse sand to granule gravel
220.0 - 235.0	15.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, silt to very coarse sand, with same granule gravel
235.0 - 240.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, medium sand to granule gravel
240.0 - 265.0	25.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, very fine to very coarse sand
265.0 - 270.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, silt to coarse sand
270.0 - 280.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, fine to very coarse sand

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-29 Borehole Location N 1464684.89, E 385483.44
Property Owner University of New Mexico
Sample Logger Phil Berry, METRIC Corporation
Driller Rodgers & Co., Inc.
Drilling Medium Drilling mud
Date of Completion 2/11/93 Ground Elevation 5219.25

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 20.0	20.0	Grayish orange (10 YR, 7/4), poorly sorted, subangular to subrounded, very fine sand to small pebble gravel
20.0 - 30.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted subrounded, medium to granule gravel
30.0 - 40.0	10.0	Pale yellowish brown (10 YR, 6/2), well sorted, subrounded, coarse to very coarse sand
40.0 - 50.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, medium sand to small pebble gravel
50.0 - 86.0	36.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, coarse sand to medium pebble gravel
86.0 - 88.0	2.0	Pale yellowish brown (10 YR, 6/2), clay
88.0 - 120.0	32.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, fine sand to small pebble gravel

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-29 Borehole Location N 1464684.89, E 385483.44
(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
120.0 - 140.0	20.0	Pale yellowish brown (10 YR, 6/2), clay with some very coarse sand
140.0 - 160.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, very fine sand to very coarse sand
160.0 - 200.0	40.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel, with some small pebble gravel
200.0 - 208.0	8.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded to rounded, very fine to coarse sand
208.0 - 229.0	21.0	Pale yellowish brown (10 YR, 6/2), clay, with some granule gravel
229.0 - 255.0	26.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, fine sand to granule gravel
255.0 - 265.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, clayey very fine sand to granule gravel
265.0 - 270.0	5.0	Pale yellowish brown (10 YR, 6/2), clay, with some granule gravel

SAMPLE LOG
(continued)

Borehole Number PSMW-29 Borehole Location N 1464684.89, E 385483.44
(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
270.0 - 280.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, clayey very fine sand to granule gravel
280.0 - 285.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, fine sand to granule gravel
285.0 - 300.0	15.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, clayey very fine sand to granule gravel
300.0 - 305.0	5.0	Pale yellowish brown (10 YR, 6/2), well sorted, subrounded to rounded, fine to medium sand
305.0 - 314.0	9.0	Pale yellowish brown (10 YR, 6/2), clay, with granule gravel
314.0 - 330.0	16.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, fine sand to granule gravel
330.0 - 342.0	12.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, clayey very fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-30 Borehole Location N 1464104.75, E 384313.07
Property Owner Ethicon
Sample Logger Phil Berry, METRIC Corporation
Driller Rodgers & Co., Inc.
Drilling Medium Rotary mud
Date of Completion 2/25/93 Ground Elevation 5141.84

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 15.0	15.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular to subrounded, coarse sand to granule gravel
15.0 - 20.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel
20.0 - 35.0	15.0	Grayish orange (10 YR, 7/4), poorly sorted, subangular, clayey very fine sand to very coarse sand, with some granule gravel
35.0 - 40.0	5.0	Grayish orange (10 YR, 7/4), medium sorted, subangular to subrounded, medium to very coarse sand
40.0 - 45.0	5.0	Grayish orange (10 YR, 7/4), poorly sorted, subangular to subrounded, fine to very coarse sand
45.0 - 60.0	15.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular to subrounded, medium to very coarse sand

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-30 Borehole Location N 1464104.75, E 384313.07
(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
60.0 - 80.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, fine to very coarse sand
80.0 - 110.0	30.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded, fine to coarse sand
110.0 - 115.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, fine to very coarse sand
115.0 - 120.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, medium sand to granule gravel
120.0 - 125.0	5.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded, fine to coarse sand
125.0 - 130.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, fine sand to granule gravel
130.0 - 145.0	15.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular, coarse sand to granule gravel
145.0 - 175.0	30.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, very fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-30 Borehole Location N 1464104.75, E 384313.07

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
175.0 - 180.0	5.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular to subrounded, medium sand to granule gravel
180.0 - 195.0	15.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel
195.0 - 200.0	5.0	Pale yellowish brown (10 YR, 6/2), well sorted, subrounded, very coarse sand to granule gravel
200.0 - 233.0	33.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, very fine sand to very coarse sand, with some granule gravel
233.0 - 237.0	4.0	Pale yellowish brown (10 YR, 6/2), clay with some granule gravel
237.0 - 240.0	3.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded, medium to very coarse sand
240.0 - 242.0	2.0	Grayish orange (10 YR, 7/4), clay with very coarse sand
242.0 - 262.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-31 Borehole Location N 1465041.54, E 385661.46
Property Owner University of New Mexico
Sample Logger Phil Berry, METRIC Corporation
Driller Rodgers & Co., Inc.
Drilling Medium Drilling mud
Date of Completion 3/4/93 Ground Elevation 5228.02

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 2.0	2.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, medium sand to granule gravel
2.0 - 3.0	1.0	Pale yellowish brown (10 YR, 6/2), clay
3.0 - 18.0	15.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, fine sand to small pebble gravel
18.0 - 22.0	4.0	Grayish orange (10 YR, 7/4), clay with some granule gravel
22.0 - 35.0	13.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel
35.0 - 40.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, fine sand to granule gravel
40.0 - 63.0	23.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded, medium sand to granule gravel.
63.0 - 64.0	1.0	Very pale orange (10 YR, 8/2), clay

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-31 Borehole Location N 1465041.54, E 385661.46

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
64.0 - 90.0	26.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, fine sand to granule gravel
90.0 - 95.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, clayey very fine sandy to granule gravel
95.0 - 120.0	25.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, fine sand to granule gravel, with some small pebble gravel
120.0 - 123.0	3.0	Pale yellowish brown (10 YR, 6/2), clay
123.0 - 138.0	15.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, clayey very fine sand to granule gravel
138.0 - 157.0	19.0	Pale yellowish brown (10 YR, 6/2), clay
157.0 - 180.0	23.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular to subrounded, fine to very coarse sand
180.0 - 205.0	25.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel
205.0 - 223.0	18.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-31 Borehole Location N 1465041.54, E 385661.46

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
223.0 - 233.0	10.0	Pale yellowish brown (10 YR, 6/2), clay, with some granule gravel
233.0 - 280.0	47.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, fine sand to granule gravel
280.0 - 290.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, clayey very fine sand to granule gravel
290.0 - 315.0	25.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, very fine sand to granule gravel
315.0 - 325.0	10.0	Pale yellowish brown (10 YR, 6/2), clay, with some very coarse sand
325.0 - 347.0	22.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded, fine to very coarse sand
347.0 - 348.0	1.0	Grayish orange (10 YR, 7/4), clay
348.0 - 349.0	1.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, very fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-32 Borehole Location N 1465608.94, E 385735.14
Property Owner Ethicon
Sample Logger Phil Berry, METRIC Corporation
Driller Rodgers & Co., Inc.
Drilling Medium Rotary mud
Date of Completion 3/10/93 Ground Elevation 5226.64

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 18.0	18.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, fine sand to small pebble gravel
18.0 - 22.0	4.0	Moderate orange pink (5 YR, 8/4), poorly sorted, subrounded, very fine sand to small pebble gravel, with some interbedded clay
22.0 - 31.0	9.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, clayey very fine sand to granule gravel
31.0 - 62.0	31.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular to subrounded, fine to coarse sand with some very coarse sand
62.0 - 74.0	12.0	Pale yellowish brown (10 YR, 6/2), clay with some very coarse sand
74.0 - 80.0	6.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, very fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-32 Borehole Location N 1465608.94, E 385735.14

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
80.0 - 100.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, very fine sand to small pebble gravel
100.0 - 115.0	15.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded to rounded, fine to very coarse sand
115.0 - 120.0	5.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular, coarse sand to small pebble gravel
120.0 - 125.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel
125.0 - 130.0	5.0	Very pale orange (10 YR, 8/2), clay with some granule gravel
130.0 - 135.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, very fine sand to pebble gravel
135.0 - 153.0	18.0	Yellowish gray (5 Y, 7/2), clay with some small pebble gravel
153.0 - 160.0	7.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, very fine sand to small pebble gravel

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-32 Borehole Location N 1465608.94, E 385735.14

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
160.0 - 170.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, clayey very fine sand to granule gravel
170.0 - 173.0	3.0	Pale yellowish brown (10 YR, 6/2), clay
173.0 - 195.0	22.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, clayey very fine sand to granule gravel
195.0 - 200.0	5.0	Very pale orange (10 YR, 8/2), clay
200.0 - 210.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, clayey very fine sand to granule gravel
210.0 - 242.0	32.0	Very pale orange (10 YR, 8/2), clay with some very coarse sand
242.0 - 255.0	13.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular, coarse sand to granule gravel
255.0 - 290.0	35.0	Pale yellowish brown (10 YR, 6/2), clay with very coarse sand and granule gravel
290.0 - 315.0	25.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, very fine sand to granule gravel
315.0 - 330.0	15.0	Pale yellowish brown (10 YR, 6/2), clay

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-32 Borehole Location N 1465608.94, E 385735.14

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
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330.0 - 348.0	18.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, very fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-33 Borehole Location N 1464458.48, E 385065.80
Property Owner Ethicon
Sample Logger Phil Berry, METRIC Corporation
Driller Rodgers & Co., Inc.
Drilling Medium Rotary mud
Date of Completion 3/16/93 Ground Elevation 5215.12

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 4.0	4.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, very fine sand to small pebble gravel
4.0 - 7.0	3.0	Very pale orange (10 YR, 8/2), clay
7.0 - 22.0	15.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded, coarse sand to small pebble gravel
22.0 - 26.0	4.0	Grayish orange (10 YR, 7/4), clay
26.0 - 35.0	9.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded, coarse sand to granule gravel
35.0 - 40.0	5.0	Pale yellowish brown (10 YR, 6/2), well sorted, subangular to subrounded, very coarse sand to granule gravel
40.0 - 65.0	25.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded, medium sand to granule gravel
65.0 - 90.0	25.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel, with some small pebble gravel

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-33 Borehole Location N 1464458.48, E 385065.80
(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
90.0 - 100.0	10.0	Pale yellowish brown (10 YR, 6/2), pebble gravel with clay
100.0 - 110.0	10.0	Pale yellowish brown (10 YR, 6/2), clay with some small pebble gravel
110.0 - 120.0	10.0	Very pale orange (10 YR, 8/2), clay with some small pebble gravel
120.0 - 125.0	5.0	Pale yellowish brown (10 YR, 6/2), clay with some granule gravel
125.0 - 140.0	15.0	Yellowish gray (5 Y, 7/2), clay
140.0 - 145.0	6.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded, fine to very coarse sand
145.0 - 153.0	7.0	Pale yellowish brown (10 YR, 6/2), clay
153.0 - 173.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, very fine sand to granule gravel
173.0 - 183.0	10.0	Very pale orange (10 YR, 8/2), clay
183.0 - 195.0	12.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel
195.0 - 220.0	25.0	Pale yellowish brown (10 YR, 6/2), clay

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-33 Borehole Location N 1464458.48, E 385065.80

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
220.0 - 235.0	15.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, very fine sand to granule gravel
235.0 - 240.0	5.0	Very pale orange (10 YR, 8/2), clay
240.0 - 250.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, clayey very fine sand to granule gravel
250.0 - 255.0	5.0	Pale yellowish brown (10 YR, 6/2), clay with granule gravel
255.0 - 275.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, very fine sand to granule gravel
275.0 - 280.0	5.0	Pale yellowish brown (10 YR, 6/2), clay
280.0 - 295.0	15.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, very fine sand to granule gravel
295.0 - 300.0	5.0	Pale yellowish brown (10 YR, 6/2), clay
300.0 - 310.0	10.0	Pale yellowish brown (10 YR, 6/2), well sorted, rounded, medium to very coarse sand, with some granule gravel
310.0 - 330.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, rounded, fine sand to granule gravel
330.0 - 334.0	4.0	Pale yellowish brown (10 YR, 6/2), clay

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-33 Borehole Location N 1464458.48, E 385065.80

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
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334.0 - 336.0	2.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, clayey very fine sand to very coarse sand

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-34 Borehole Location N 1464063.60, E 384920.85
Property Owner University of New Mexico
Sample Logger Phil Berry, METRIC Corporation
Driller Rodgers & Co., Inc.
Drilling Medium Rotary mud
Date of Completion 3/22/93 Ground Elevation 5182.64

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 3.0	3.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel
3.0 - 6.0	3.0	Very pale orange (10 YR, 8/2), clay
6.0 - 40.0	34.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel
40.0 - 45.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, clayey very fine sand to granule gravel
45.0 - 63.0	18.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel
63.0 - 88.0	25.0	Pale yellowish brown (10 YR, 6/2), clay with some granule gravel
88.0 - 100.0	12.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, very fine sand to granule gravel
100.0 - 120.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-34 Borehole Location N 1464063.60, E 384920.85

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
120.0 - 130.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, clayey very fine sand to granule gravel
130.0 - 135.0	5.0	Pale yellowish brown (10 YR, 6/2), clay with granule gravel
135.0 - 145.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, clayey very fine sand to granule gravel
145.0 - 155.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, very fine sand to granule gravel
155.0 - 180.0	25.0	Very pale orange (10 YR, 8/2), clay with some granule gravel
180.0 - 190.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, very fine sand to granule gravel
190.0 - 207.0	17.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, fine sand to small pebble gravel
207.0 - 235.0	28.0	Pale yellowish brown (10 YR, 6/2), clay
235.0 - 240.0	5.0	Pale yellowish brown (10 YR, 6/2), medium sorted, rounded, medium sand to granule gravel

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-34 Borehole Location N 1464063.60, E 384920.85

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
240.0 - 255.0	15.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, rounded, very fine sand to granule gravel
255.0 - 268.0	13.0	Grayish orange (10 YR, 7/4), clay
268.0 - 285.0	17.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded to rounded, very fine sand to granule gravel
285.0 - 290.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, clayey very fine sand to granule gravel
290.0 - 304.0	14.0	Pale yellowish brown (10 YR, 6/2), clay with some granule gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-35 Borehole Location N 1465900.22, E 385537.58
Property Owner Ethicon
Sample Logger Phil Berry, METRIC Corporation
Driller Rodgers & Co., Inc.
Drilling Medium Rotary mud
Date of Completion 4/22/93 Ground Elevation 5230.01

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 12.0	12.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subround, medium sand to small pebble gravel
12.0 - 28.0	16.0	Grayish orange (10 YR, 7/4), clay with some pebble gravel
28.0 - 40.0	12.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular, coarse sand to granule gravel
40.0 - 55.0	15.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded, coarse sand to small pebble gravel
55.0 - 69.0	14.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, fine sand to granule gravel
69.0 - 73.0	4.0	Pale yellowish brown (10 YR, 6/2), clay
73.0 - 120.0	47.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-35 Borehole Location N 1465900.22, E 385537.58

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
120.0 - 146.0	26.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, fine sand to small pebble gravel
146.0 - 153.0	7.0	Very pale orange (10 YR, 8/2), clay
153.0 - 178.0	25.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel, with some small pebble gravel
178.0 - 200.0	22.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, clayey very fine sand to pebble gravel
200.0 - 210.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, fine sand to granule gravel
210.0 - 225.0	15.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, rounded, clayey very fine sand to granule gravel
225.0 - 243.0	18.0	Very pale orange (10 YR, 8/2), clay
243.0 - 270.0	27.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, very fine sand to granule gravel
270.0 - 285.0	15.0	Pale yellowish brown (10 YR, 6/2), clay with granule gravel

METRIC

Corporation

SAMPLE LOG (continued)

Borehole Number PSMW-35 Borehole Location N 1465900.22, E 385537.58

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
285.0 - 300.0	15.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, clayey very fine sand to granule gravel
300.0 - 320.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, very fine sand to granule gravel
320.0 - 331.0	11.0	Pale yellowish brown (10 YR, 6/2), clay
331.0 - 340.0	9.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, clayey very fine sand to granule gravel
340.0 - 345.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, fine sand to granule gravel
345.0 - 351.0	6.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, clayey very fine sand to granule gravel

METRIC

Corporation

SAMPLE LOG

Borehole Number PSMW-36 Borehole Location N 1466148.92, E 385167.04
Property Owner University of New Mexico
Sample Logger Phil Berry, METRIC Corporation
Driller Rodgers & Co., Inc.
Drilling Medium Rotary mud
Date of Completion 4/28/93 Ground Elevation 5193.76

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 10.0	10.0	Pale yellowish brown (10 YR, 6/2), well sorted, subangular to subrounded, coarse sand to granule gravel
10.0 - 20.0	10.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded, fine to very coarse sand
20.0 - 35.0	15.0	Pale yellowish brown (10 YR, 6/2), well sorted, subrounded to rounded, fine to coarse sand
35.0 - 40.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, fine sand to small pebble gravel
40.0 - 75.0	35.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subrounded to rounded, fine to very coarse sand, with occasional granule gravel
75.0 - 90.0	15.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, fine sand to granule gravel
90.0 - 95.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, very fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-36 Borehole Location N 1466148.92, E 385167.04
(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
95.0 - 98.0	3.0	Pale yellowish brown (10 YR, 6/2), clay
98.0 - 100.0	2.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular, coarse sand to small pebble gravel
100.0 - 110.0	10.0	Yellowish gray (5 YR, 7/2), clay with granule gravel
110.0 - 130.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, fine sand to granule gravel
130.0 - 140.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, very fine sand to granule gravel
140.0 - 143.0	3.0	Pale yellowish brown (10 YR, 6/2), clay
143.0 - 175.0	32.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub- rounded, fine sand to granule gravel
175.0 - 195.0	20.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to subrounded, clayey very fine sand to granule gravel
195.0 - 205.0	10.0	Pale yellowish brown (10 YR, 6/2), clay
205.0 - 215.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, fine sand to granule gravel

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-36 Borehole Location N 1466148.92, E 385167.04

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
215.0 - 236.0	21.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, very fine sand to granule gravel
236.0 - 270.0	34.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, clayey very fine sand to very coarse sand, with some granule gravel
270.0 - 285.0	15.0	Pale yellowish brown (10 YR, 6/2), sandy clay
285.0 - 295.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, clayey very fine sand to very coarse sand
295.0 - 306.0	11.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subrounded, fine sand to granule gravel
306.0 - 308.0	2.0	Pale yellowish brown (10 YR, 6/2), clay
308.0 - 315.0	7.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, clayey very fine sand to very coarse sand, with some granule gravel

METRIC
Corporation

SAMPLE LOG

Borehole Number PSMW-37 Borehole Location N 1465723.90, E 381981.75
Property Owner Capitol Lumber
Sample Logger Peter Metzner, METRIC Corporation
Driller Rodgers & Co., Inc.
Drilling Medium Hollow Stem Auger
Date of Completion 5/17/93 Ground Elevation 5003.26

Depth (feet)	Thickness (feet)	Stratigraphic Description
0.0 - 1.4	1.4	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, fine to very coarse sand
1.4 - 3.0	1.6	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, fine sand to granule gravel
3.0 - 4.0	1.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, fine sand to pebble gravel
4.0 - 13.0	9.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, slightly clayey, very fine to very coarse sand
13.0 - 23.0	10.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, clayey, very fine to coarse sand
23.0 - 43.0	20.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular to sub-rounded, fine to coarse sand

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-37 Borehole Location N 1465723.90, E 381981.75

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
43.0 - 44.0	1.0	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular to sub-rounded, medium to very coarse sand, with some granule gravel
44.0 - 46.0	2.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, clayey, very fine to coarse sand
46.0 - 51.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular to sub-rounded, medium to very coarse sand, with some granule gravel
51.0 - 63.0	12.0	Pale yellowish brown (10 YR, 6/2), medium sorted, slightly clayey, very fine to medium sand
63.0 - 74.5	11.5	Pale yellowish brown (10 YR, 6/2), poorly sorted, clayey, fine to very coarse sand, with some granule gravel
74.5 - 75.5	1.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, clayey, very fine to coarse sand
75.5 - 83.0	7.5	Pale yellowish brown (10 YR, 6/2), medium sorted, subangular to sub-rounded, very fine to medium sand
83.0 - 84.4	1.4	Pale yellowish brown (10 YR, 6/2), well sorted, very fine to fine sand
84.4 - 88.0	3.6	Pale yellowish brown (10 YR, 6/2), medium sorted, very fine to medium sand

METRIC
Corporation

SAMPLE LOG
(continued)

Borehole Number PSMW-37 Borehole Location N 1465723.90, E 381981.75

(Continued from previous page)

Depth (feet)	Thickness (feet)	Stratigraphic Description
88.0 - 93.0	5.0	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, to sub-rounded, fine to very coarse sand
93.0 - 95.5	2.5	Pale yellowish brown (10 YR, 6/2), poorly sorted, subangular, very fine to very coarse sand
95.5 - 101.5	6.0	Pale yellowish brown (10 YR, 6/2), slightly clayey, well sorted, very fine to fine sand
101.5 - 104.4	2.9	Very light gray (N8), fine sandy clay
104.4 - 105.0	.6	Pale yellowish brown (10 YR, 6/2), fine sandy clay
105.0 - 108.0	3.0	Pale yellowish brown (10 YR, 6/2), slightly clayey, well sorted, very fine to fine sand
108.0 - 111.0	3.0	Pale yellowish brown (10 YR, 6/2), well sorted, very fine to fine sand