VAPOR PROBE LOG

Project Name Guacamole's Borehole No. VP-6

Project No. 1207-ER Date 10-19-2000

Equipment Type AMS-SVP Borehole Type Rotary Hammer

Depth in Feet	Sample	Sample Type		Head Space (ppm)	Density, Firmness, or Consistency	Unified Soil Classification
3	A	~~FID~~	10:17	Ø		
6	A	~~FID~~	10:36	Ø		
9	A	~~FID~~	10:53	6		
12	A	~~FID~~	11:43	4		

Ground Water	Depth	Date

Visual Classification

SAMPLE TYPE

A – Air Sample
B – Bulk Sample
S – Split Spoon
C – Composite Sample
W – Water Sample

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VAPOR PROBE LOG

Project Name Guacamole's Borehole No. VA-7

Project No. 1207-ER Date 10-25-2000

Equipment Type AMS-SVP Borehole Type Rotary Hammer

Depth in Feet	Sample	Sample Type		Head Space (ppm)	Density, Firmness, or Consistency	Unified Soil Classification
3	Air	PID	11:28	ø		
6	A	PID	11:34	ø		
9	A	PID	11:41	ø		
12	A	PID	11:51	ø		
15	A	PID	11:58	ø		

Ground Water	Depth	Date

Visual Classification

RAN PUMP 5 MINS LONGER STILL ø

TIP HAS SLIGTH ODOR UPON RETRIEVAL 40 PPM HEADSPACE FROM SOIL ON TIP

SAMPLE TYPE

A – Air Sample
B – Bulk Sample
S – Split Spoon
C – Composite Sample
W – Water Sample

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VAPOR PROBE LOG

Project Name Guacamole's Borehole No. VP-8

Project No. 1207-ER Date 10-25-2000

Equipment Type AMS-SUP Borehole Type Rotary Hammer

Depth in Feet	Sample	Sample Type	Time	Head Space (ppm)	Density, Firmness, or Consistency	Unified Soil Classification
3	A	FID	12:29	Ø		
6	A	FID	12:35	Ø		
9	A	FID	12:42	Ø		
12	A	FID	12:46	Ø		
15	A	FID	12:51	Ø		

Ground Water	Depth	Date

Visual Classification

pulled soil from tip into Headspace JAR FID
Headspace sample 50 ppm

SAMPLE TYPE

A – Air Sample
B – Bulk Sample
S – Split Spoon
C – Composite Sample
W – Water Sample

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VAPOR PROBE LOG

Project Name Guacamole's Borehole No. VP-9

Project No. 1207-ER Date 10-25-2000

Equipment Type AMS-SVP Borehole Type Rotary Hammer

Depth in Feet	Sample	Sample Type		Head Space (ppm)	Density, Firmness, or Consistency	Unified Soil Classification	Visual Classification
3	A	FID	13:25	Ø			
6	A	FID	13:35	Ø			
8			13:38	Ø			
9	A	FID	13:34				
12	A	FID	13:46	Ø			
15	A	FID	13:52	Ø			soil from tip Headspace Ø ppm

Ground Water	Depth	Date

SAMPLE TYPE

A – Air Sample
B – Bulk Sample
S – Split Spoon
C – Composite Sample
W – Water Sample

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VAPOR PROBE LOG

Project Name Guacamole's Borehole No. VP-10

Project No. 1207-ER Date 10-25-2000

Equipment Type AMS - SVP Borehole Type Rotary Hammer

Depth in Feet	Sample	Sample Type		Head Space (ppm)	Density, Firmness, or Consistency	Unified Soil Classification
3	A	FID	14:20	0		
6	A	FID	14:28	0		
8	A	FID	14:34	2		
9	A	FID	14:36	0		
12	A	FID	14:41	0		
15	A	FID	14:50	0		

Ground Water	Depth	Date

Visual Classification

soil from tip Headspace Reading
strong ODOR 200 ppm
Dark stain soil

SAMPLE TYPE

A – Air Sample
B – Bulk Sample
S – Split Spoon
C – Composite Sample
W – Water Sample

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VAPOR PROBE LOG

Project Name Guacamole's Borehole No. VP-11

Project No. 1207-ER Date 10-25-2000

Equipment Type AMS-SVP Borehole Type Rotary HAMMER

Depth in Feet	Sample	Sample Type		Head Space (ppm)	Density, Firmness, or Consistency	Unified Soil Classification
3	A	~~PID~~	15:~~40~~	Ø		
6	A	PID	15:51	Ø		
9	A	PID	16:00	Ø		
12	A	PID	16:06	Ø		

Ground Water	Depth	Date

Visual Classification

IN water, Grade is Below Area around Guacamole's ~3'
Head space on soil Ø ppm

SAMPLE TYPE

A – Air Sample
B – Bulk Sample
S – Split Spoon
C – Composite Sample
W – Water Sample

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VAPOR PROBE LOG

Project Name Guacamole's Borehole No. VP-12

Project No. 1207-ER Date 10-26-2000

Equipment Type AMS-SVP Borehole Type Rotary Hammer

Ground Water	Depth	Date

Depth in Feet	Sample	Sample Type		Head Space (ppm)	Density, Firmness, or Consistency	Unified Soil Classification	Visual Classification
3	A	PID	9:15	0			Headspace of soil 0 ppm
6	A	PID	9:24	0			
9	A	PID	9:34	0			
12	A	PID	9:47	0			
15	A	PID	9:52	0			

SAMPLE TYPE

A – Air Sample
B – Bulk Sample
S – Split Spoon
C – Composite Sample
W – Water Sample

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VAPOR PROBE LOG

Project Name Guacamole's Borehole No. VP-13

Project No. 1207-ER Date 10-26-2000

Equipment Type AMS-SVP Borehole Type Rotary Hammer

Depth in Feet	Sample	Sample Type		Head Space (ppm)	Density, Firmness, or Consistency	Unified Soil Classification	Visual Classification
3	A	FID	10:46	Ø			
6	A	FID	10:52	Ø			
9	A	FID	11:00	Ø			
12	A	FID	11:09	Ø			

Ground Water	Depth	Date

SAMPLE TYPE

A – Air Sample
B – Bulk Sample
S – Split Spoon
C – Composite Sample
W – Water Sample

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APPENDIX 2

Soil Boring Logs

BOREHOLE LOG • AUGER DRILLING

Project Name Guaca Mole's Borehole No. ~~MW-1~~ SB-1

Project No. 1207-ER Field Geologist _____ Date _____

Rig Type CME-75 Borehole Type Auger

Depth in Feet	Sample	Sample Type	Blows Per Foot 140 lb. 30" Free-fall Drop Hammer	Density, Firmness or Consistency	Headspace (ppm)	Time	Unified Soil Classification
0			5				
2			6				
			8			8:30	
4			1-4		0		
			2-4				
6			1-3			8:40	
			6-6				
8			2-4				
			2-4				
10			1-2		11	8:45	
			6-6				
12			2-1				
			2-2			8:50	
14			1-1				
			1-2				
15	S		0-1		0	9:00	
18							
20	S		1-2		9	9:30	
			4-7				

Ground Water	Depth	Date	Time

Visual Classification

Fill

SANDY clay lt. Brown

↓

clay SAND lt. Brown 4'

clay Brown ↓ clay 7'

clay Brown

SANDY ~~SA~~ clay water 10'

SAND TAN fine ↓ SAND water 12'

Black Stain

clay @ 12'

silt To 14'

water silt

silty SAND

silty SAND

SAND Gray 19' ↓ SAND Gray

SAMPLE TYPE

A – Auger Cuttings
B – Bulk Sample
S – 2" O.D., 1.38" I.D. Split Spoon
U – 3" O.D., 2.42" I.D. Ring Sample

BOREHOLE LOG • AUGER DRILLING

Project Name Guacamole's Borehole No. SB-2

Project No. 1207-ER Field Geologist Date

Rig Type CME-75 Borehole Type Auger

Ground Water	Depth	Date	Time

Depth in Feet	Sample	Sample Type	Blows Per Foot 140 lb. 30" Free-fall Drop Hammer	Density, Firmness or Consistency	Headspace (ppm)	Time	Unified Soil Classification	Visual Classification
5			3 2 1		0	10:45		Asphalt Fill SAND 3' Clay Lt. Brown 4'
10			4-3 3-4		150	11:00		SAND 5' Silt Gray SAND @ 10' very fine Clay 11' Brown
15			2-1 2-4		250	11:15		Silt Gray / water after 15'
20			1-C 0		170	11:30		SAND Gray Fine to medium

SAMPLE TYPE

A – Auger Cuttings
B – Bulk Sample
S – 2" O.D., 1.38" I.D. Split Spoon
U – 3" O.D., 2.42" I.D. Ring Sample

BOREHOLE LOG • AUGER DRILLING

Project Name Guacamole's Borehole No. SB-3

Project No. 1207-ER Field Geologist _____ Date _____

Rig Type CME-75 Borehole Type Auger

Ground Water	Depth	Date	Time

Depth in Feet	Sample	Sample Type	Blows Per Foot 140 lb. 30" Free-fall Drop Hammer	Density, Firmness or Consistency	Headspace (ppm)	Time	Unified Soil Classification	Visual Classification
5			1 2 2		3	12:50		Fill silt Brown silt lt. Brown
10			1-2 3-6		8	13:10		very fine silt lt. Brown WATER 1' ↕ silt silt Dry After
15			1-1 4-5		225	13:30		Gray SAND medium ODOR IN SAND WATER
20			3-4 2-5		3200	14:00		ODOR very strong Gray SAND while Drilling last 5' to medium ~~Start~~ DK. Gray

SAMPLE TYPE

A – Auger Cuttings
B – Bulk Sample
S – 2" O.D., 1.38" I.D. Split Spoon
U – 3" O.D., 2.42" I.D. Ring Sample

BOREHOLE LOG • AUGER DRILLING

Project Name Guacamole's Borehole No. SB-4

Project No. 1207.ER Field Geologist _____ Date _____

Rig Type GEM CME-75 Borehole Type Auger

Depth in Feet	Sample	Sample Type	Blows Per Foot 140 lb. 30" Free-fall Drop Hammer	Density, Firmness or Consistency	Headspace (ppm)	Time	Unified Soil Classification
5			1 2 3 4		Ø	14:10	
10			2 5 6 6		3	14:15	
15			5-4 3-2		1	14:30	
20			1-1 2-2		5	15:00	

Ground Water	Depth	Date	Time

Visual Classification

Fill

~~Silt Brown~~

Silt lt. Brown

SAND TAN 5' Dk Brown Clay ↓ 1'

SAND TAN 6'

Silt Brown 2'

↓ 10'

Dk Brown clay to 15'

Silt Brown 18' water

SAMPLE TYPE

A – Auger Cuttings
B – Bulk Sample
S – 2" O.D., 1.38" I.D. Split Spoon
U – 3" O.D., 2.42" I.D. Ring Sample

APPENDIX 3

Monitor Well Completion Diagrams

I Also MW-26

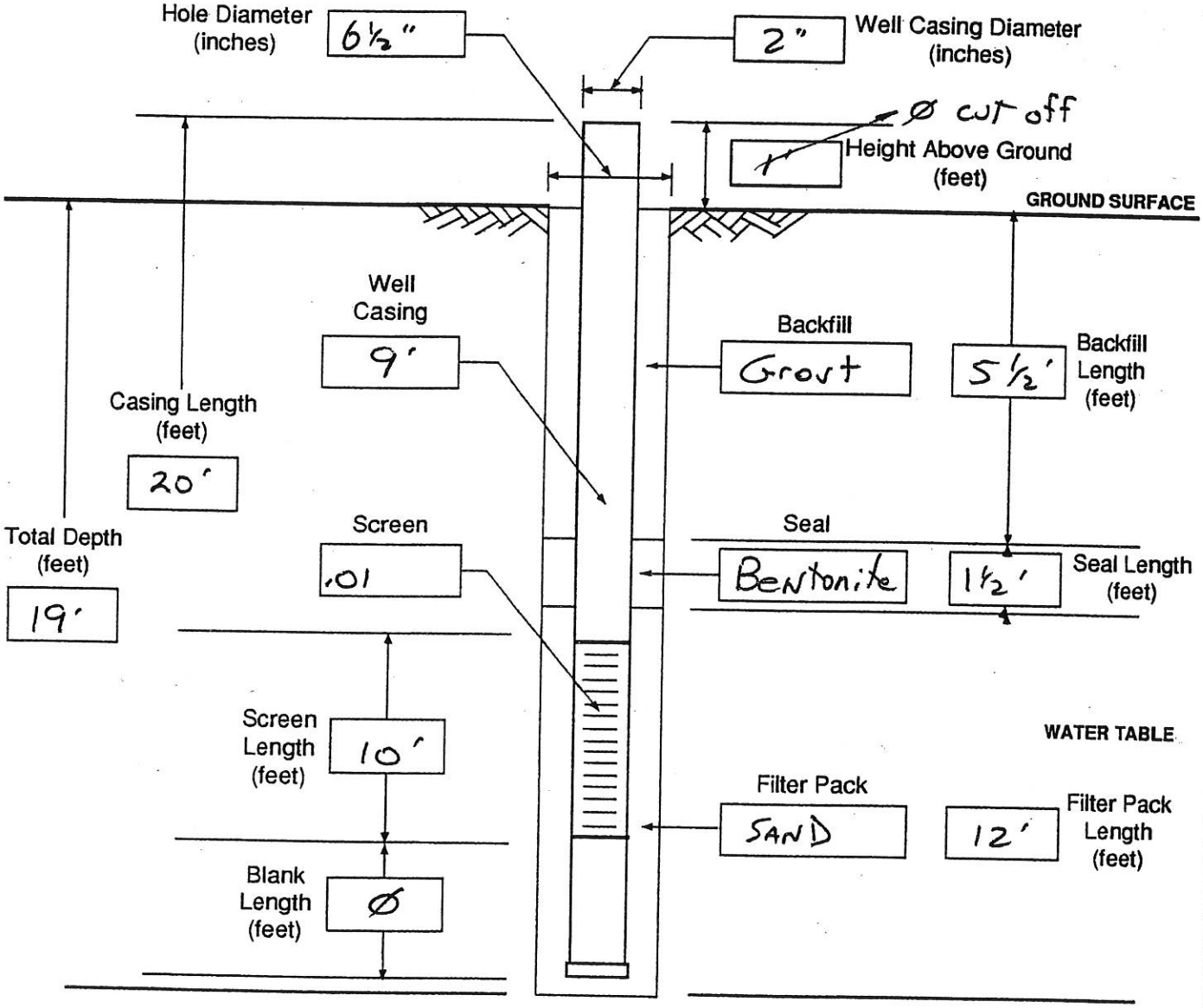
MONITOR WELL COMPLETION LOG

Project Name Guacamole's — Monitor Well No. MW-1

Project No. 1207-ER — Date Installed 10-27-00

Formation of Completion

Field Representative KGF — Driller SEI



Comments well set @ 20' ~~-~~ pulled up 1' so screening starts @ 9' Below Ground Surface

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MW-27

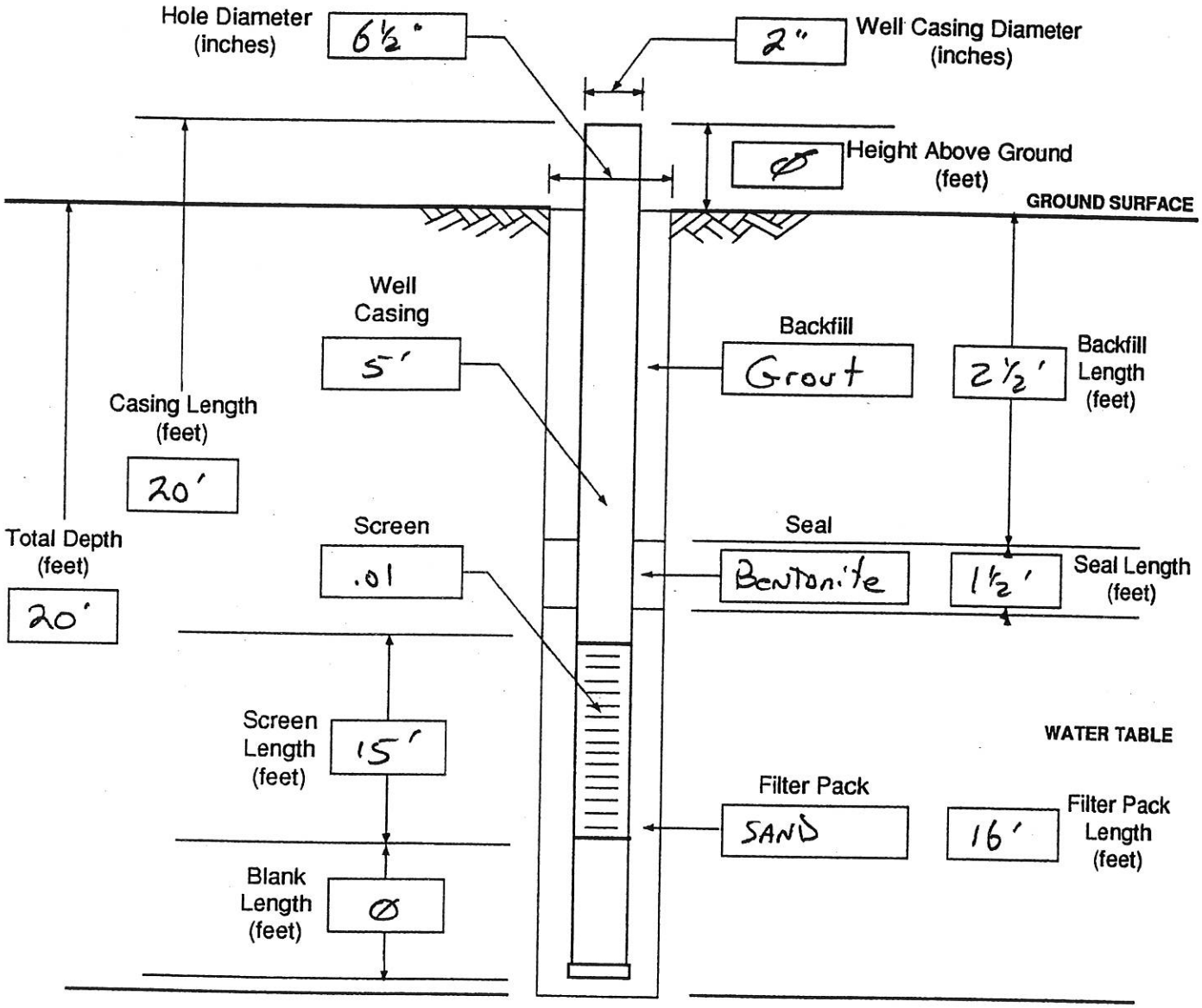
MONITOR WELL COMPLETION LOG

Project Name Guacamole's Monitor Well No. MW-2

Project No. 1207-ER Date Installed 10-27-00

Formation of Completion

Field Representative KGF MB Driller Southwest Engineering Inc



Comments

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MW-28

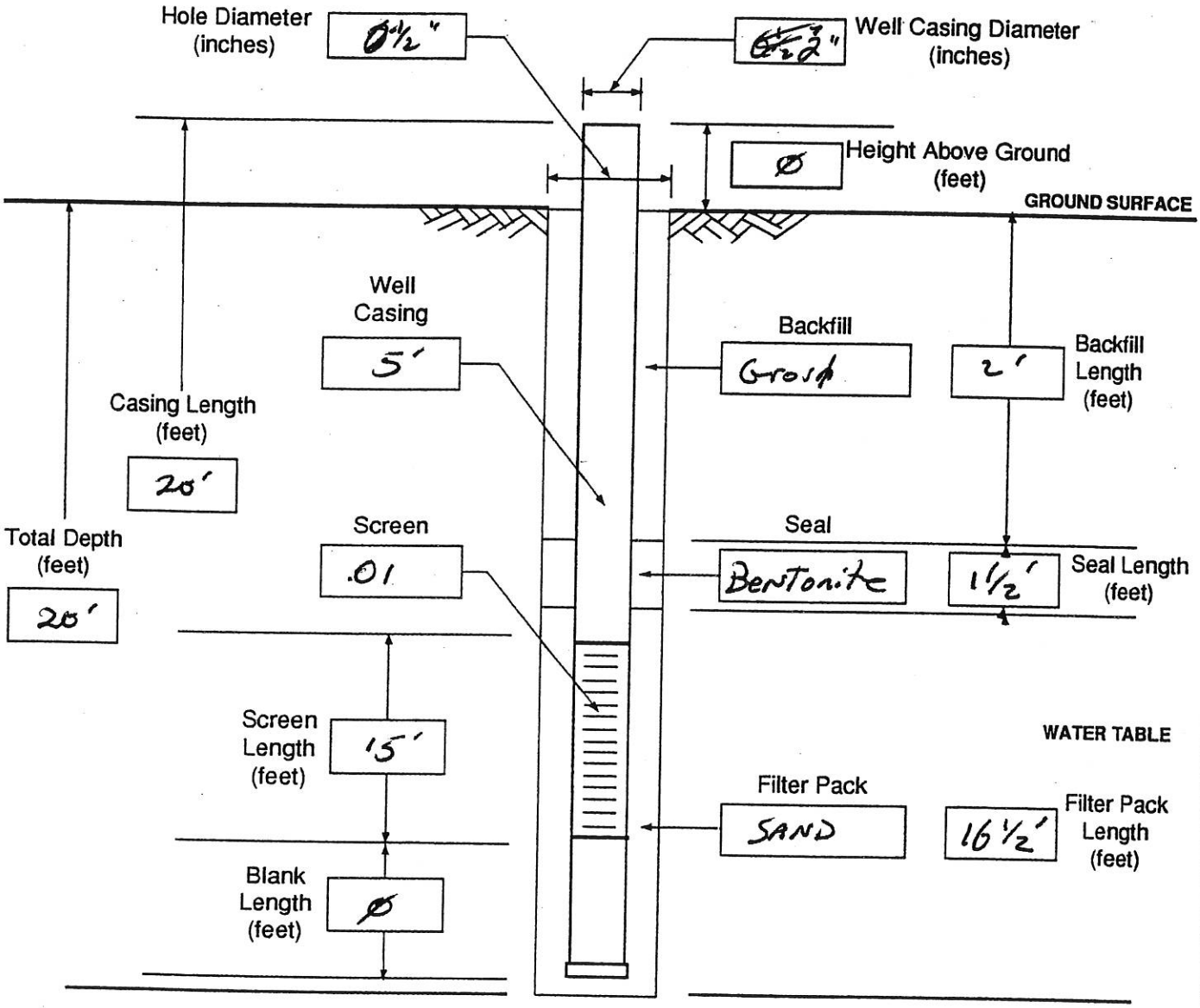
MONITOR WELL COMPLETION LOG

Project Name: Guacamole's — Monitor Well No.: MW-3

Project No.: 1207-ER — Date Installed: 10-27-00

Formation of Completion:

Field Representative: KGF, MB — Driller: SEI



Comments

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