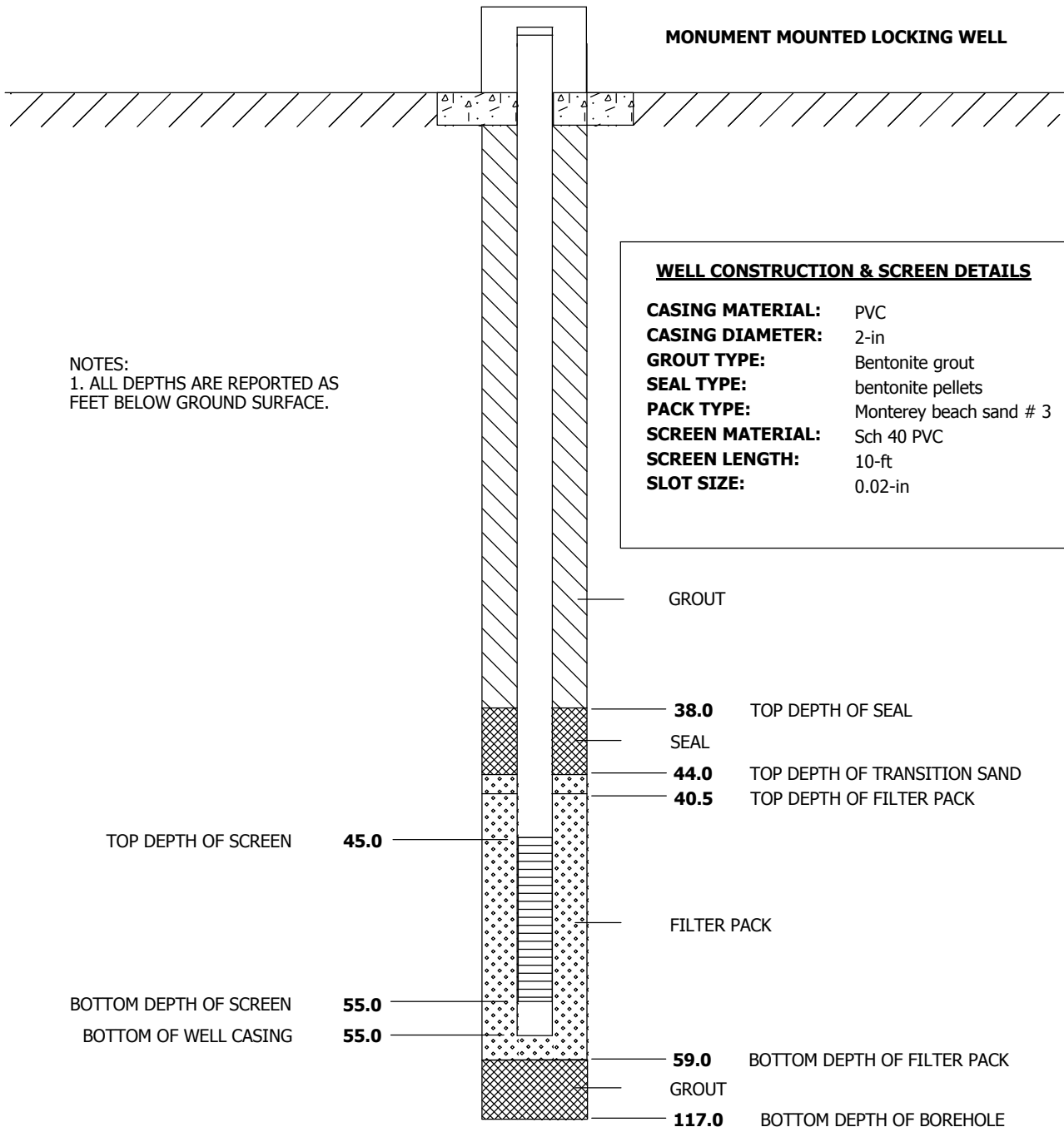


# WELL COMPLETION DIAGRAM

<b>PROJECT NO:</b> 326128.01.16.EN	<b>PROJECT:</b> IMPM Drill Program	<b>WELL NO:</b> <i>MW-47-055</i>
<b>LOCATION:</b> PG&E Compressor Station - Flood Plain, Topock, California		
<b>DRILLING CONTRACTOR:</b> Prosonic (Chato = Driller)	<b>DRILLING START DATE:</b> 3/13/2006	
<b>DRILLING METHOD:</b> Rotosonic	<b>DRILLING END DATE:</b> 3/15/2006	
<b>LOGGER:</b> Loren Kelly	<b>WELL COMPLETION DATE:</b> 3/15/2006	
<b>TOP OF WELL CASING (NGVD 29):</b> 483.87	<b>NORTHING COORDINATE (CCS DAND 27, ZONE 5):</b> 2103450.05	
<b>GROUND SURFACE ELEVATION (NGVD 29):</b> 482.59	<b>EASTING COORDINATE (CCS NAD 27 ZONE 5):</b> 7615629.49	



WELL DIAGRAM IS NOT TO SCALE



**SOIL BORING LOG**

<b>PROJECT NAME:</b> IMPM Drill Program		<b>HOLE DEPTH (ft):</b> 288.0	<b>DRILLING CONTRACTOR:</b> Prosonic Corp. Phoenix, AZ	
<b>SURFACE ELEVATION:</b> 482.6 ft. MSL	<b>NORTHING (CCS NAD 27 Z 5):</b> 2,103,450.05	<b>EASTING (CCS NAD 27 Z 5):</b> 7,615,629.49	<b>DATE STARTED:</b> 2/27/2006	<b>DATE COMPLETED:</b> 3/13/2006
<b>DRILLING METHOD:</b> Rotasonic			<b>DRILLING EQUIPMENT:</b> Sonic AT (track mounted)	
<b>LOCATION:</b> PG&E Compressor Station - Flood Plain, Topock, California			<b>LOGGED BY:</b> B. Moayyad, K. Ebel	

DEPTH BGS (feet)	SAMPLE			USCS CODE	SOIL DESCRIPTION  SOIL NAME, USCS SYMBOL, COLOR, PERCENT COMPOSITION, GRADING, GRAIN SHAPE, MINERALOGY, DENSITY/CONSISTENCY, STRUCTURE, MOISTURE.	COMMENTS  DRILLING OBSERVATIONS AND OPERATIONS, DAILY START AND END TIMES, DRILL RATE, REFUSALS, SAMPLING AND TESTING NOTES.
	INTERVAL	TYPE/NUMBER	RECOVERY (ft)			
40			2.5	SW	<b>WELL GRADED SAND w/ GRAVEL (SW)</b> - dr yellowish brn (10YR3/6), 30% gravel, 60% sand, 10% silty fines	Drilling smooth but proceeds less rapidly
45			10	SW	- gravel is mostly fine	Soil sample collected
50				SW		
55				SW	<b>WELL GRADED SAND w/ GRAVEL (SW)</b> - yellowish brn (10YR5/4), 40% subang met gravel up to 9cm, 55% f to c met sand, 5% silty fines, clast supported, m density, wet	
60				GW	- soil dries out	Collected Isoflow sample
65				GW	- moist sandy zone, 55% gravel, 35% sand, 10% fines - dry silty lt grey GW below 65'	Drill rate slows to 2' / min
70				SW		Moderate Drill Rate

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<b>SURFACE ELEVATION:</b> 482.6 ft. MSL	<b>NORTHING (CCS NAD 27 Z 5):</b> 2,103,450.05	<b>EASTING (CCS NAD 27 Z 5):</b> 7,615,629.49	<b>DATE STARTED:</b> 2/27/2006	<b>DATE COMPLETED:</b> 3/13/2006
<b>DRILLING METHOD:</b> Rotasonic			<b>DRILLING EQUIPMENT:</b> Sonic AT (track mounted)	
<b>LOCATION:</b> PG&E Compressor Station - Flood Plain, Topock, California			<b>LOGGED BY:</b> B. Moayyad, K. Ebel	

DEPTH BGS (feet)	SAMPLE			USCS CODE	SOIL DESCRIPTION  SOIL NAME, USCS SYMBOL, COLOR, PERCENT COMPOSITION, GRADING, GRAIN SHAPE, MINERALOGY, DENSITY/CONSISTENCY, STRUCTURE, MOISTURE.	COMMENTS  DRILLING OBSERVATIONS AND OPERATIONS, DAILY START AND END TIMES, DRILL RATE, REFUSALS, SAMPLING AND TESTING NOTES.
	INTERVAL	TYPE/NUMBER	RECOVERY (ft)			
75			9.5	SW	<b>WELL GRADED SAND w/ SILT AND GRAVEL (SW)</b> - yellowish brn (10YR5/4), 30% gravel, 50% sand, 20% silty fines, massive, dense, moist	Collected soil sample
				GW	<b>WELL GRADED GRAVEL w/ SILT AND SAND (GW)</b> - lt gray, 65% ang met gravel, 25% subang sand, 10% fines, dry	
80			19	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - brn (10YR5/3), 22% subang met gravel up to 3.5cm, 50% subrnd to subang f to c sand, 23% silty fines, m density, wet	Collected Isoflow sample  Moderate Drill Rate
85				SW	<b>WELL GRADED SAND w/ SILT AND GRAVEL (SW)</b> - brn, 30% subang fine gravel, 65% subang to subrnd m to c sand, 10% silty fines, m dense, wet  - silty zone, 15% fines	Driller reports harder drilling, likely stiff clay
90				GW	<b>WELL GRADED GRAVEL w/ SILT AND SAND (GW)</b> - brn, 55% subrnd to subang met gravel up to 4.5cm, 35% f to c sand, 10% silty fines, lose to medium, wet	Green alteration mineral in milky quartz fragment
95				SW	<b>SILTY SAND w/ GRAVEL (SM)</b> - 20% subang to subrnd met gravel, 60% subang f to c sand, 20% silty fines, massive, blocky, wet	
100			12.5	SW	<b>WELL GRADED SAND w/ GRAVEL (SW)</b> - grayish brn (10YR5/2), 15% subang to subrnd met gravel up to 2.5cm, 80% subrnd m to c sand, 5% silty fines, loose, wet	Drill Rate = 1.5' / min  Soil sample collected
105				SW	- becomes brn and gravelly, 30% gravel up to 3.5cm, 63% m to c sand, 7% fines	

**SOIL BORING LOG**

<b>PROJECT NAME:</b> IMPM Drill Program		<b>HOLE DEPTH (ft):</b> 288.0		<b>DRILLING CONTRACTOR:</b> Prosonic Corp. Phoenix, AZ	
<b>SURFACE ELEVATION:</b> 482.6 ft. MSL		<b>NORTHING (CCS NAD 27 Z 5):</b> 2,103,450.05		<b>EASTING (CCS NAD 27 Z 5):</b> 7,615,629.49	
<b>DRILLING METHOD:</b> Rotosonic			<b>DRILLING EQUIPMENT:</b> Sonic AT (track mounted)		
<b>LOCATION:</b> PG&E Compressor Station - Flood Plain, Topock, California			<b>LOGGED BY:</b> B. Moayyad, K. Ebel		

DEPTH BGS (feet)	SAMPLE			USCS CODE	SOIL DESCRIPTION  SOIL NAME, USCS SYMBOL, COLOR, PERCENT COMPOSITION, GRADING, GRAIN SHAPE, MINERALOGY, DENSITY/CONSISTENCY, STRUCTURE, MOISTURE.	COMMENTS  DRILLING OBSERVATIONS AND OPERATIONS, DAILY START AND END TIMES, DRILL RATE, REFUSALS, SAMPLING AND TESTING NOTES.
	INTERVAL	TYPE/NUMBER	RECOVERY (ft)			
110				GW	<b>WELL GRADED SAND w/ GRAVEL (SW)</b> - grayish brn (10YR5/2), 15% subang to subrnd met gravel up to 2.5cm, 80% subrnd m to c sand, 5% silty fines, loose, wet  - silty with calcite nodules  <b>WELL GRADED GRAVEL w/ SILT AND SAND (GW)</b> - brn, 60% gravel up to 4cm, 30% sand, 10% fines, dry	Core barrel fills at 108' bgs
115			7	SW	<b>WELL GRADED SAND w/ SILT AND GRAVEL (SW)</b> - brn (7.5YR4/3), 25% subang met gravel up to 3.5cm, 65% subrnd f to c sand, 5% fines, loose, wet  - greenish grey sand lenses  - 4" gravel zone	Significant rig chatter  Driller reports intermittent hard layers
120			10	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - dusky red (2.5YR4/4), 15% subang met gravel up to 2.5cm, 60% subrnd to subang f to c sand, 20% fines, massive, blocky, clast supported, moist to wet	Significant rig chatter
125				GW	<b>WELL GRADED GRAVEL w/ SILT AND SAND (GW)</b> - light brownish gray (10YR6/2), 65% ang met gravel up to 4cm, 25% f to c sand, 5% silty fines, dry	
130				SW	<b>WELL GRADED SAND w/ SILT AND GRAVEL (SW)</b> - dusky red, 15% gravel, 75% sand, 10% fines	
135			9	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - dusky red (2.5YR4/6), 15% subang to subrnd met gravel up to 3cm, 60% sand, 25% fines, massive, dense, clast supported, wet  - more loose and less silty	
				SW	<b>WELL GRADED SAND w/ SILT (SW)</b> - dusky red (2.5YR4/6), 5% gravel, 90% subrnd f to c sand, 5% fines, loose, wet	
140					<b>POORLY GRADED SAND w/ SILT (SP)</b> - brn (7.5YR4/4), 5% subrnd to subang met gravel up to 4cm, 85% f to c sand, 10% fines, poorly graded, wet, no odor	



**SOIL BORING LOG**

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<b>SURFACE ELEVATION:</b> 482.6 ft. MSL	<b>NORTHING (CCS NAD 27 Z 5):</b> 2,103,450.05	<b>EASTING (CCS NAD 27 Z 5):</b> 7,615,629.49	<b>DATE STARTED:</b> 2/27/2006	<b>DATE COMPLETED:</b> 3/13/2006
<b>DRILLING METHOD:</b> Rotasonic			<b>DRILLING EQUIPMENT:</b> Sonic AT (track mounted)	
<b>LOCATION:</b> PG&E Compressor Station - Flood Plain, Topock, California			<b>LOGGED BY:</b> B. Moayyad, K. Ebel	

DEPTH BGS (feet)	SAMPLE			USCS CODE	SOIL DESCRIPTION  SOIL NAME, USCS SYMBOL, COLOR, PERCENT COMPOSITION, GRADING, GRAIN SHAPE, MINERALOGY, DENSITY/CONSISTENCY, STRUCTURE, MOISTURE.	COMMENTS  DRILLING OBSERVATIONS AND OPERATIONS, DAILY START AND END TIMES, DRILL RATE, REFUSALS, SAMPLING AND TESTING NOTES.
	INTERVAL	TYPE/NUMBER	RECOVERY (ft)			
145			6	SP	<b>POORLY GRADED SAND w/ SILT (SP)</b> - brn (7.5YR4/4), 5% subrnd to subang met gravel up to 4cm, 85% f to c sand, 10% fines, poorly graded, wet, no odor	Collected Isoflow sample  Drill rate = 0.75' to 1.5' / min
			3	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - brn (7.5YR4/4), 20% subang to subrnd gravel up to 6cm, 60% f to c sand, 20% silty fines, well graded, m consolidated, met, wet, no odor	
150			5	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - dk yellowish brn (10YR4/4), 25% subang to subrnd up to 4cm met gravel, 60% well graded f to c sand, 15% fines, wet, no odor	
			4	SW	<b>WELL GRADED SAND w/ SILT AND SAND (SW)</b> - dr yellowish brn (10YR4/4), 10% subang to subrnd up to 3cm met gravel, 75% well graded f to c sand, 15% fines, moist to wet	
155			2	SW	<b>SILTY SAND (SM)</b> - brn (7.5YR4/4), 5% ang to subrnd met gravel up to 1.5cm increasing with depth, 85% poorly graded m to c sand, 10% fines, loose, wet	
			2	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - dk yellowish brn (10YR4/4), 15% subang to subrnd up to 2.5cm met gravel, 75% well graded f to c sand, 10% fines, mostly met, trace chert, loose, wet, no odor	
160			4	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - brn (7.5YR4/4), 25% subang to subrnd gravel up to 6.5cm, 60% m to c sand, 15% silty fines, well graded, m consolidated, met, wet, no odor	
			4	SW	<b>SILTY SAND (SW)</b> - mottled dk reddish brn (5YR3/4), 10% subang to subrnd gravel up to 2.5cm, 50% well graded f to m sand, 40% silt, metamorphic, dry to damp, no odor, interbedded sandy silt laminations	
170			5.5	SW	<b>SAND w/ GRAVEL (SW)</b> - dk reddish brn (5YR3/4), 20% subang to subrnd gravel up to 5cm, 75% f to c sand, 5% fines, well graded, loose, met, wet	
			2.5	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - brn (7.5YR4/4), 15% subang to subrnd gravel, 70% f to m sand, 15% fines, poorly graded, met, increasingly consolidated, slightly to moderately calcareous, moist to wet	

**SOIL BORING LOG**

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<b>SURFACE ELEVATION:</b> 482.6 ft. MSL	<b>NORTHING (CCS NAD 27 Z 5):</b> 2,103,450.05	<b>EASTING (CCS NAD 27 Z 5):</b> 7,615,629.49	<b>DATE STARTED:</b> 2/27/2006	<b>DATE COMPLETED:</b> 3/13/2006
<b>DRILLING METHOD:</b> Rotosonic			<b>DRILLING EQUIPMENT:</b> Sonic AT (track mounted)	
<b>LOCATION:</b> PG&E Compressor Station - Flood Plain, Topock, California			<b>LOGGED BY:</b> B. Moayyad, K. Ebel	

DEPTH BGS (feet)	SAMPLE			USCS CODE	SOIL DESCRIPTION  SOIL NAME, USCS SYMBOL, COLOR, PERCENT COMPOSITION, GRADING, GRAIN SHAPE, MINERALOGY, DENSITY/CONSISTENCY, STRUCTURE, MOISTURE.	COMMENTS  DRILLING OBSERVATIONS AND OPERATIONS, DAILY START AND END TIMES, DRILL RATE, REFUSALS, SAMPLING AND TESTING NOTES.
	INTERVAL	TYPE/NUMBER	RECOVERY (ft)			
180			2	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - reddish brn (5YR4/4), 20% subang to subrnd gravel, 60% m to c sand, 20% fines, poorly graded, m consolidated, very calcareous, dry to damp, no odor	Collected Isoflow sample
			4	SW	<b>SILTY SAND (SW)</b> - brn (7.5YR4/3), 10% subrnd to subang gravel up to 4.6cm, 70% f to c sand, 20% fines, well graded, met, moist to wet, no odor	
185			8	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - brn (7.5YR4/4), 20% subrnd to subang gravel up to 2.4cm, 65% f to c sand, 15% clayey fines lenses, well graded, met, very calcareous, dry to damp with locally moist areas, no odor	Drill Rate - 1.6' / min
			6	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - dr brn (7.5YR3/4), 10% subrnd to subang gravel up to 4cm, 75% f to c sand, 15% fines, well graded, loose to poorly consolidated, met, moist to wet, no odor	
195			2	GM	<b>SILTY GRAVEL w/ SAND (GM)</b> - reddish brn (5YR4/4), 45% subang to subrnd gravel up to 5.5cm, 40% f to c sand, 15% fines, slight to moderately calcareous, met, dry to damp with locally moist areas	Collected Isoflow sample  Drill Rate = 1.5' to 2' / min
			10	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - reddish brn (5YR4/4), 15% subang to subrnd gravel up to 5cm, 70% well graded f to c sand, 15% fines, moderately calcareous, loose to poorly consolidated, met, moist to wet  - clay locally, slight decrease in gravel	
205					<b>SILTY SAND w/ GRAVEL (SM)</b> - reddish brn (5YR4/4), 20% subang to subrnd gravel up to 6.5cm, 65% well graded f to c sand, 15% mostly clay fines, moderately to very calcareous, poorly graded, moist to wet  - mostly met w. chloritic alteration	

**SOIL BORING LOG**

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<b>SURFACE ELEVATION:</b> 482.6 ft. MSL	<b>NORTHING (CCS NAD 27 Z 5):</b> 2,103,450.05	<b>EASTING (CCS NAD 27 Z 5):</b> 7,615,629.49	<b>DATE STARTED:</b> 2/27/2006	<b>DATE COMPLETED:</b> 3/13/2006
<b>DRILLING METHOD:</b> Rotasonic			<b>DRILLING EQUIPMENT:</b> Sonic AT (track mounted)	
<b>LOCATION:</b> PG&E Compressor Station - Flood Plain, Topock, California			<b>LOGGED BY:</b> B. Moayyad, K. Ebel	

DEPTH BGS (feet)	SAMPLE			USCS CODE	SOIL DESCRIPTION  SOIL NAME, USCS SYMBOL, COLOR, PERCENT COMPOSITION, GRADING, GRAIN SHAPE, MINERALOGY, DENSITY/CONSISTENCY, STRUCTURE, MOISTURE.	COMMENTS  DRILLING OBSERVATIONS AND OPERATIONS, DAILY START AND END TIMES, DRILL RATE, REFUSALS, SAMPLING AND TESTING NOTES.
	INTERVAL	TYPE/NUMBER	RECOVERY (ft)			
215			7	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - reddish brn (5YR4/4), 20% subang to subrnd gravel up to 6.5cm, 65% well graded f to c sand, 15% mostly clay fines, moderately to very calcareous, poorly graded, moist to wet	Collected Isoflow sample  Drill Rate = 1.5' / min
			3	GM	<b>SILTY GRAVEL w/ SAND (GM)</b> - reddish brn (5YR4/4), subang to subrnd gravel up to 5cm, f to c sand, mostly clay fines, slight to moderately calcareous, moderate to well consolidated, met, dry to moist  - minor chert, chloric alteration in parts	
220			3.5	SW	<b>SILTY SAND (SW)</b> - reddish brn (5YR4/4), 5% subang to subrnd gravel up to 2cm, 85% subang to subrnd sand, 15% fines, nom to slightly calcareous, well graded, loose to poorly consolidated, moist to wet  - minor chloride alteration, increase in silt and clay locally	
			2.5	GW	<b>GRAVEL W/ SAND (GM)</b> - reddish brn (5YR4/4), 80% subang to subrnd gravel up to 6cm, 15% well graded f to c sand, 5% fines, nom to slightly calcareous, loose to poorly consolidated, met, wet, no odor  - locally silty and sandy	
230			4	GM	<b>SILTY GRAVEL W/ SAND (GM)</b> - reddish brn (5YR4/4), 45% subang to subrnd gravel up to 5cm, 40% well graded f to c sand, 15% fines, poor to mod consolidated, mostly met, wet, no odor  - minor chert, clayey locally, increase in fines locally	
			6	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - reddish brn (5YR4/4), 15% subang to subrnd gravel up to 3cm, 75% f to c sand, 10% fines, loose to mod consolidated, mostly met, wet, no odor  - minor sed increase in fines, clay locally	
235			2		- met, increased silt and clay fraction, increased gravel, 25% subang to subrnd gravel up to 6.5cm, 55% sand, 20% fines	
			2	GW	<b>SILTY GRAVEL w/ SAND (GW)</b> - reddish brn (5YR4/4), 45% well graded subang to subrnd gravel up to 3cm, 35% well graded sand, 20% silt, mod to very calcareous, mod to well consolidated, mostly met, minor sed, dry to moist, no odor	
240					<b>SILTY GRAVEL w/ SAND (GW)</b> - reddish brn (5YR4/4), 55% well graded subang to subrnd gravel up to 7cm, 30% well graded sand, 15% silt, mod to very calcareous, mostly well consolidated, locally hard, mostly met, minor sed, dry to moist, no odor  - locally very altered	
			245			



**SOIL BORING LOG**

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<b>SURFACE ELEVATION:</b> 482.6 ft. MSL	<b>NORTHING (CCS NAD 27 Z 5):</b> 2,103,450.05	<b>EASTING (CCS NAD 27 Z 5):</b> 7,615,629.49	<b>DATE STARTED:</b> 2/27/2006	<b>DATE COMPLETED:</b> 3/13/2006
<b>DRILLING METHOD:</b> Rotosonic			<b>DRILLING EQUIPMENT:</b> Sonic AT (track mounted)	
<b>LOCATION:</b> PG&E Compressor Station - Flood Plain, Topock, California			<b>LOGGED BY:</b> B. Moayyad, K. Ebel	

DEPTH BGS (feet)	SAMPLE			USCS CODE	SOIL DESCRIPTION  SOIL NAME, USCS SYMBOL, COLOR, PERCENT COMPOSITION, GRADING, GRAIN SHAPE, MINERALOGY, DENSITY/CONSISTENCY, STRUCTURE, MOISTURE.	COMMENTS  DRILLING OBSERVATIONS AND OPERATIONS, DAILY START AND END TIMES, DRILL RATE, REFUSALS, SAMPLING AND TESTING NOTES.
	INTERVAL	TYPE/NUMBER	RECOVERY (ft)			
250			16	GW	<b>SILTY GRAVEL w/ SAND (GW)</b> - reddish brn (5YR4/4), 55% well graded subang to subrnd gravel up to 7cm, 30% well graded sand, 15% silt, mod to very calcareous, mostly well consolidated, locally hard, mostly met, minor sed, dry to moist, no odor	Drill rate = 0.75' / min
255						
260			10	GW	<b>SILTY GRAVEL w/ SAND (GW)</b> - reddish brn (5YR4/4), 65% well graded subang to subrnd gravel up to 8cm, 20% well graded sand, 15% silt, very calcareous, mostly well consolidated, mod to locally altered, mostly met, minor sed, dry to moist, no odor	Collected Isoflow sample Drill Rate = 1' / min
265				GW	<b>SILTY GRAVEL w/ SAND (GW)</b> - reddish brn (5YR4/4), 40% well graded subang to subrnd gravel up to 5.5cm, 35% well graded sand, 25% silt, mod to very calcareous, well consolidated, mod altered locally, mostly met, minor sed, dry to moist, no odor	
270			2.5	SW	<b>SILTY SAND w/ GRAVEL (SW)</b> - reddish brn (5YR4/4), 35% gravel up to 8cm, 45% well graded f to c sand, 20% fines, very calcareous, well consolidated, locally very altered, mostly met gravel, dry to moist, no odor	Drill Rate = 0.50' / min
275			0	GW	<b>SILTY GRAVEL w/ SAND (GW)</b> - reddish brn (5YR4/4), 65% well graded subang to subrnd gravel up to 5.5cm, 25% well graded f to c sand, 10% silt, very calcareous, well consolidated, mod to locally very altered, mostly met gravel, minor sed, damp to moist, no odor	
275			5	GW	<b>SILTY GRAVEL w/ SAND (GW)</b> - reddish brn (5YR4/4), 55% well graded subang to subrnd gravel up to 11.5cm, 30% well graded sand, 15% silt, very calcareous, well consolidated, very altered locally, mostly met, minor sed, damp to moist, no odor - gravel/sand fractions somewhat variable	
275			2	SM	<b>SILTY SAND w/ GRAVEL (SM)</b> - reddish brn (5YR3/4), 30% poorly graded subang to subrnds gravel up to 11.5cm, 40% well graded sand, 30% fines, very calcareous, well consolidated to locally hard, mod to very altered in parts, mostly met, damp to moist, no odor	Collected Isoflow sample
280			3	GW	<b>SILTY GRAVEL w/ SAND (GW)</b> - reddish brn (5YR3/4), 55% well graded subang to subrnd gravel up to 5.5cm, 30% well graded sand, 15% silt, very calcareous, well consolidated to commonly hard, mod to very altered locally, mostly met, minor sed, dry to moist, no odor	



**SOIL BORING LOG**

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<b>SURFACE ELEVATION:</b> 482.6 ft. MSL	<b>NORTHING (CCS NAD 27 Z 5):</b> 2,103,450.05	<b>EASTING (CCS NAD 27 Z 5):</b> 7,615,629.49	<b>DATE STARTED:</b> 2/27/2006	<b>DATE COMPLETED:</b> 3/13/2006
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<b>LOCATION:</b> PG&E Compressor Station - Flood Plain, Topock, California			<b>LOGGED BY:</b> B. Moayyad, K. Ebel	

DEPTH BGS (feet)	SAMPLE			USCS CODE	SOIL DESCRIPTION  SOIL NAME, USCS SYMBOL, COLOR, PERCENT COMPOSITION, GRADING, GRAIN SHAPE, MINERALOGY, DENSITY/CONSISTENCY, STRUCTURE, MOISTURE.	COMMENTS  DRILLING OBSERVATIONS AND OPERATIONS, DAILY START AND END TIMES, DRILL RATE, REFUSALS, SAMPLING AND TESTING NOTES.
	INTERVAL	TYPE/ NUMBER	RECOVERY (ft)			
285			0	BR	<b>MIOCENE CONGLOMERATE BEDROCK (BR)</b> - 60% well graded subang to rnd gravel up to 10cm, 30% well graded sand, 10% fines, very calcareous, well consolidated to mostly hard, mod to very altered locally, mostly met, dry to moist	
					<i>Boring Terminated at 288 ft</i>	
					<b>ABBREVIATIONS</b> cc = continuous core run brn = brown lt = light dk = dark vf = very fine-grained f = fine-grained m = medium-grained c = coarse-grained vc = very coarse-grained ang = angular subang = subangular subrnd = subrounded rnd = rounded br = bedrock formation ss = sandstone conglom = conglomerate comptd = compacted qtz = quartz	