

Geology/Drill Log

Barrick Cortez

Hole ID: TCM-685

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STATE ENGINEERS OFFICE

Project: Castroville
 Drilling Company: CLY
 Drilling Method: Swirl
 Date Started: 3/16/15
 Date Finished: 3/17/15

Inclination: -90
 Azimuth: 0
 Easting: 549415
 Northing: 4471588
 Elevation: 4815
 Total Depth: 45

Depth	Run Length	Grain Size			Graphic Log	Moisture (1-5)
		(ft)	(%)	% Gravel		
300	308	5	0	2		1
305	310	5	2	4		1
310	315	5	4	7		1
315	320	5	7	10		2
320	325	5	10	13		3
325	330	5	13	20		5
330	335	5	20	34		1
335	340	5	34	39		1
340	345	5	39	41		1
345	350	5	41	44		1
350	355	5	44	45		1
355	360	5				
360	365	5				
365	370	5				
370	375	5				
375	380	5				
380	385	5				
385	390	5				
390	395	5				
395	400	5				

Clay	Can be rolled in a rope 1/4-in diameter	Dry	Moisture Absent
Silt	Can not be rolled into rope	Moist	Damp, With No Visible Water
Sand with Clay/Silt	20% or more of formation is clay/silt	Wet	Visible Water
Sand, fine - med	Fine to medium (<0.5mm-2 mm)		
Sand med-coarse	Medium to coarse (2-5 mm)		
Sand with Gravel	20% or more of formation is sand		
Gravel	>80% Gravel - Fine (5-20 mm), Coarse (20-75 mm)		

Lithologic Description

Tan silt
 White silty clay (playa) #
 Black organic silt
 Tan silt
 Tan CG sand & gravel, mod Feax
 Brown CG sand & gravel, strong Feax & MnOx
 Brown silty clay "
 Brown silty sand
 Brown m.o. sand, mod Feax
 Brown CG sand, mod strong Feax
 Brown mg sand, mod Feax

TD 45'

1st H2O 15'