STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
OFFICE OF GEOTECHNICAL SUPPORT
GEOTECHNICAL LABORATORY

POINT LOAD TEST
ASTM D 5731 - 95

EA # 11-080131 Sample I.D. Ostrich Farm Cr. Br. R-08-003

Date 12/23/08
Tested By J. Klamecki
Checked By

ROCK # _____

Sample No.	Test Type	Width, W(mm)	Distance Between Platen, D (mm)	Max. Pressure (psi)	Final Distance Between Platen D' (mm)	Failure Load, P (lbs)	Equivalent Core Diameter, D_e (in)	Uncorrected Point Load Strength I_s (psi)	Point Load Strength Index $I_{s(50)}$ (psi)	Uniaxial Compressive Strength, σ_c (psi)
35.9 - 36.1	a		37	90	34		1.40	39.31	33.68	677
37.4 - 37.6	a		57	90	52		2.15	25.71	26.7	642
38.8 - 39.0	a		53	180	50		2.03	53.5	54	1262
43.0 - 43.2	a		59	110	56		2.26	29.2	30.95	752
35.7 - 36.0	d		61	700	60					
37.1 - 37.3	d		61	80	57					
45.5 - 45.7	d		60	170	57					
46.5 - 46.7	d		61	100	58					
49.6 - 49.8	d		61	160	56					
54.8 - 55.0	d		61	780	56					
55.0 - 55.4	d		60	500	58					
59.3 - 60.0	d		60	290	55					

Test Types:
d = diametral
a = axial
b = block

i = irregular lump test
p = perpendiclular
l = parallel to plane of weakness

Mean $I_{s(50)}$ = #DIV/0! psi
Mean σ_c = #DIV/0! psi

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POINT LOAD TEST
ASTM D 5731 - 95

Date 12/23/2008
Tested By Joe Klamecki
Checked By

EA # 11-080131 *Sample I.D.* Ostrich Farm Creek Br. R-08-03

ROCK # Sample No.	Test Type	Width, W(mm)	Distance Between Platen, D (mm)	Max. Pressure (psi)	Final Distance Between Platen D' (mm)	Failure Load, P (lbs)	Equivalent Core Diameter, D_e (in)	Uncorrected Point Load Strength I_S (psi)	Point Load Strength Index $I_{S(50)}$ (psi)	Uniaxial Compressive Strength, σ_c (psi)
35.7-36.0	d		61.0	700	60.0	1232	2.38	217	237	5679
37.1-37.3 ft	d		61.0	80	57.0	141	2.32	26	28	675
45.5-45.7 ft	d		60.0	170	57.0	299	2.30	56	61	1454
46.5-46.7 ft	d		61.0	100	58.0	176	2.34	32	35	833
49.6-49.8 ft	d		61.0	160	56.0	282	2.30	53	57	1392
54.8-55.0 ft	d		61.0	780	56.0	1373	2.30	259	278	6675
55.0-55.4 ft	d		60.0	500	58.0	880	2.32	163	176	4218
59.3-60.0 ft	d		60.0	290	55.0	510	2.26	100	106	2549

Test Types:
d = diametral
a = axial
b = block

i = irregular lump test
p = perpendiclular
l = parallel to plane of weakness

Mean $I_{S(50)}$ = 122 psi
Mean σ_c = 2934 psi