

Project Information

Site Name: O-Pitquarry	Date: 08/01/2017	Shotfirer: John Smith
Country: Portugal	Location: Porto	d&b Resp.: Carl Jonhson

Explosive Ordering

Explosive Product	Density	Type	Quantity
Anfo 0,8	0.80 g/cm ³	bulk	6940.4 Kg
Total			6940.4 Kg

Accessories Ordering

Product	Type	Quantity
Booster 450	Booster	66

Blast Resume

Bench High	17.55 m	Volume	10208.5 m ³	Powder Factor	0.680 Kg/m ³
Total of Holes	66	Tonnes	25521.2 t	Powder Factor	0.272 Kg/t
Rock Density	2.50 g/cm ³	Drilled Meters	1258 m	Specific Drilling	0.1232 m/m ³

Comments

The block must be blasted before 14:00 Hole 3, 4, 8 with water - Risk of block.

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Borehole Information

Nr.	User	Date	Depth (m)	Stemming (m)	Subdrilling (m)	Angle (°)	Azimuth (°)	Diameter (mm)	Bulk Exp. (Kg)	Cartridge Exp. (Kg)	Total Exp. (Kg)
1	Francisco Sena Leite	08/01/2017, 07:12:33	18.7	3.0	1.5	0	0	102	102	0	102
2	Francisco Sena Leite	08/01/2017, 07:12:51	18.5	3.0	1.5	0	0	102	101	0	101
3	Francisco Sena Leite	08/01/2017, 07:13:22	18.4	3.0	1.5	0	0	102	101	0	101
4	Francisco Sena Leite	08/01/2017, 07:13:46	18.7	3.0	1.5	0	0	102	103	0	103
5	Francisco Sena Leite	08/01/2017, 07:13:59	18.3	3.0	1.5	0	0	102	114	0	114
6	Francisco Sena Leite	08/01/2017, 07:14:16	18.7	3.0	1.5	0	0	102	103	0	103
7	Francisco Sena Leite	08/01/2017, 07:14:19	18.7	3.0	1.5	0	0	102	102	0	102
8	Francisco Sena Leite	08/01/2017, 07:14:25	18.8	3.0	1.5	0	0	102	103	0	103
9	Francisco Sena Leite	08/01/2017, 07:14:28	18.7	3.0	1.5	0	0	102	102	0	102
10	Francisco Sena Leite	08/01/2017, 07:14:30	18.6	3.0	1.5	0	0	102	102	0	102
11	Francisco Sena Leite	08/01/2017, 07:14:33	18.9	3.0	1.5	0	0	102	104	0	104
12	Francisco Sena Leite	08/01/2017, 07:14:40	19.5	3.0	1.5	0	0	102	108	0	108
13	Francisco Sena Leite	08/01/2017, 07:14:43	18.7	3.0	1.5	0	0	102	103	0	103
14	Francisco Sena Leite	08/01/2017, 07:14:48	18.7	3.0	1.5	0	0	102	102	0	102
15	Francisco Sena Leite	08/01/2017, 07:14:51	18.6	3.0	1.5	0	0	102	102	0	102
16	Francisco Sena Leite	08/01/2017, 07:14:56	18.9	3.0	1.5	0	0	102	104	0	104
17	Francisco Sena Leite	08/01/2017, 07:15:02	18.5	3.0	1.5	0	0	102	101	0	101
18	Francisco Sena Leite	08/01/2017, 07:15:05	18.7	3.0	1.5	0	0	102	103	0	103
19	Francisco Sena Leite	08/01/2017, 07:15:07	18.8	3.0	1.5	0	0	102	103	0	103
20	Francisco Sena Leite	08/01/2017, 07:15:11	18.9	3.0	1.5	0	0	102	104	0	104

Nr.	User	Date	Depth (m)	Stemming (m)	Subdrilling (m)	Angle (°)	Azimuth (°)	Diameter (mm)	Bulk Exp. (Kg)	Cartridge Exp. (Kg)	Total Exp. (Kg)
21	Francisco Sena Leite	08/01/2017, 07:15:16	18.8	3.0	1.5	0	0	102	103	0	103
22	Francisco Sena Leite	08/01/2017, 07:15:21	19.0	3.0	1.5	0	0	102	104	0	104
23	Francisco Sena Leite	08/01/2017, 07:15:24	19.2	3.0	1.5	0	0	102	106	0	106
24	Francisco Sena Leite	08/01/2017, 07:15:26	19.8	3.0	1.5	0	0	102	110	0	110
25	Francisco Sena Leite	08/01/2017, 07:15:28	18.8	3.0	1.5	0	0	102	103	0	103
26	Francisco Sena Leite	08/01/2017, 07:15:32	18.7	3.0	1.5	0	0	102	103	0	103
27	Francisco Sena Leite	08/01/2017, 07:15:36	18.7	3.0	1.5	0	0	102	103	0	103
31	Francisco Sena Leite	08/01/2017, 07:15:41	18.9	3.0	1.5	0	0	102	104	0	104
32	Francisco Sena Leite	08/01/2017, 07:15:50	19.1	3.0	1.5	0	0	102	105	0	105
33	Francisco Sena Leite	08/01/2017, 07:15:58	18.9	3.0	1.5	0	0	102	104	0	104
34	Francisco Sena Leite	08/01/2017, 07:16:01	19.0	3.0	1.5	0	0	102	105	0	105
35	Francisco Sena Leite	08/01/2017, 07:16:04	19.6	3.0	1.5	0	0	102	108	0	108
36	Francisco Sena Leite	08/01/2017, 07:16:07	20.1	3.0	1.5	0	0	102	112	0	112
37	Francisco Sena Leite	08/01/2017, 07:16:09	18.8	3.0	1.5	0	0	102	103	0	103
38	Francisco Sena Leite	08/01/2017, 07:16:11	18.7	3.0	1.5	0	0	102	103	0	103
39	Francisco Sena Leite	08/01/2017, 07:16:13	18.8	3.0	1.5	0	0	102	103	0	103
40	Francisco Sena Leite	08/01/2017, 07:16:21	19.0	3.0	1.5	0	0	102	104	0	104
41	Francisco Sena Leite	08/01/2017, 07:16:24	18.7	3.0	1.5	0	0	102	103	0	103
42	Francisco Sena Leite	08/01/2017, 07:16:27	18.8	3.0	1.5	0	0	102	103	0	103
43	Francisco Sena Leite	08/01/2017, 07:16:29	19.0	3.0	1.5	0	0	102	104	0	104
44	Francisco Sena Leite	08/01/2017, 07:16:31	19.1	3.0	1.5	0	0	102	105	0	105
45	Francisco Sena Leite	09/01/2017, 01:21:41	19.0	3.0	1.5	0	0	102	105	0	105
46	Francisco Sena Leite	09/01/2017, 01:21:44	19.1	3.0	1.5	0	0	102	105	0	105
47	Francisco Sena Leite	09/01/2017, 01:21:46	20.0	3.0	1.5	0	0	102	111	0	111
48	Francisco Sena Leite	09/01/2017, 01:21:49	20.4	3.0	1.5	0	0	102	114	0	114
49	Francisco Sena Leite	09/01/2017, 01:21:51	18.8	3.0	1.5	0	0	102	103	0	103
50	Francisco Sena Leite	09/01/2017, 01:21:54	18.7	3.0	1.5	0	0	102	103	0	103
51	Francisco Sena Leite	09/01/2017, 01:21:56	18.8	3.0	1.5	0	0	102	103	0	103

Nr.	User	Date	Depth (m)	Stemming (m)	Subdrilling (m)	Angle (°)	Azimuth (°)	Diameter (mm)	Bulk Exp. (Kg)	Cartridge Exp. (Kg)	Total Exp. (Kg)
52	Francisco Sena Leite	09/01/2017, 01:21:59	19.0	3.0	1.5	0	0	102	104	0	104
53	Francisco Sena Leite	09/01/2017, 01:22:01	18.7	3.0	1.5	0	0	102	103	0	103
54	Francisco Sena Leite	09/01/2017, 01:22:03	18.8	3.0	1.5	0	0	102	104	0	104
55	Francisco Sena Leite	09/01/2017, 01:22:06	19.0	3.0	1.5	0	0	102	105	0	105
56	Francisco Sena Leite	09/01/2017, 01:22:15	19.1	3.0	1.5	0	0	102	105	0	105
57	Francisco Sena Leite	09/01/2017, 01:22:17	19.0	3.0	1.5	0	0	102	105	0	105
58	Francisco Sena Leite	09/01/2017, 01:22:22	19.7	3.0	1.5	0	0	102	109	0	109
59	Francisco Sena Leite	09/01/2017, 01:22:27	20.4	3.0	1.5	0	0	102	114	0	114
60	Francisco Sena Leite	09/01/2017, 01:22:34	20.4	3.0	1.5	0	0	102	114	0	114
61	Francisco Sena Leite	09/01/2017, 01:22:37	18.8	3.0	1.5	0	0	102	103	0	103
62	Francisco Sena Leite	09/01/2017, 01:22:45	18.7	3.0	1.5	0	0	102	103	0	103
63	Francisco Sena Leite	09/01/2017, 01:22:52	19.0	3.0	1.5	0	0	102	105	0	105
64	Francisco Sena Leite	09/01/2017, 01:22:55	18.7	3.0	1.5	0	0	102	103	0	103
65	Francisco Sena Leite	09/01/2017, 01:22:58	18.7	3.0	1.5	0	0	102	103	0	103
66	Francisco Sena Leite	09/01/2017, 01:23:00	18.8	3.0	1.5	0	0	102	104	0	104
67	Francisco Sena Leite	09/01/2017, 01:23:03	19.0	3.0	1.5	0	0	102	105	0	105
68	Francisco Sena Leite	09/01/2017, 01:23:06	19.1	3.0	1.5	0	0	102	105	0	105
69	Francisco Sena Leite	09/01/2017, 01:23:08	19.2	3.0	1.5	0	0	102	106	0	106
70	Francisco Sena Leite	09/01/2017, 01:23:11	20.4	3.0	1.5	0	0	102	114	0	114
71	Francisco Sena Leite	09/01/2017, 01:23:13	20.4	3.0	1.5	0	0	102	114	0	114
72	Francisco Sena Leite	09/01/2017, 01:23:18	20.4	3.0	1.5	0	0	102	114	0	114

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Country: Portugal	Location: Porto	d&b Resp.: Carl Jonhson

Explosive Cost

Explosive Product	Quantity	Unit Price	Total
Anfo 0,8	6940.4	0.93	6454.60
Total			6454.60

Accessories Cost

Accessories Product	Quantity	Unit Price	Total
Booster 450	66	5.00	330.00
Total			330.00

Drilling Cost

Diameter (mm)	Meters	Unit Price	Total
102	1257.57	7.00	8802.99
Total			8802.99

Global Cost	15587.59
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Cost Resume

Per hole	236.18	Per m ³	1.53	Per tons	0.61
Explosive %	41.41	Accessories %	2.12	Drilling %	56.47