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| **To,**  **Prof. Juerg M. Matter**  Project Director, ODP | | ***Doc. No.:*** *AZD/ODP/GT-3A/DPR-66*  ***Dated:*** *28-02-2017* | |
| **Client** | Oman DP | **Consultant** | AZD Engineering Consultancy |
| **Contractor** | Lalbuksh Voltas Engineering | **Sub-contractor** | Geo-Solutions Engineering |
| **Subject** | Daily Progress Report |  | |
| **Project** | **Phase-1: OmanDP -** Scientific Drilling Programme for Oman Drilling Project in Ash Sharqiyah North Governorate and Ad Dakhiliyah Governorate | | |

**DAILY PROGRESS REPORT**

**(Dated: 28th of February 2017)**

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| --- | --- | --- | --- |
| **Rig-1 (Dynatech)** | | | |
| ***LOCATION AND TARGET:*** | | | |
| **Drill Hole ID** | **GT-3A** | **Location** | **Wadi Abdah** |
| **Coordinates** | UTM: 624193.0E 2556476.0N | **Elevation** | **-** |
| **Azimuth** | **-** | **Inclination** | 90º/ Vertical |
| **Drilling** | HQ/NQ Size | **Method** | Wire line-Diamond Core Drilling |
| **Target Depth** | 400 mtrs | **Geol. Target** | Sheeted Dyke-Gabbro Transition |
| ***DRILLING:*** | | | |
| **Drilling Status** | Continued to drill further down from 335.05mbgl to 365.55mbgl. | | |
| **Penetration Rate** | Variable; between 30-50min for 3.05m core | | |
| **Bit Rotation** | Variable; average 500rpm | | |
| **Fluid Circulation** | 20%; Heavy loss of circulation. Complete LOC from 340mbgl. | | |
| **Total Drill Run** | 10; each one being of 3.05m | | |
| **Today’s Drilling** | **30.50m** | | |
| **Cumulative Total** | **365.55m**  *(HQ=257.3m; NQ=108.25m)* | | |
| ***CORE CURATION:*** | | | |
| **Core Recovery, Photography, Marking, Sectioning, Scanning, Labeling, Sketching, Description, Sampling, Packing and Storage etc., being performed as per the standard procedure of ICDP.**  **Brief Lithology:- Ophiolite consisting of various episodes of dyke or diabase unit composed of fine grained granoblasts to aphanitic-chilled margin, grayish green, compact groundmass with some phenocryst, moderately strong to strong with abundance of laumantite veins; presence of hydrothermal alteration all over. Diabases are cut across at intervals with oxidized and at places micro Gabbro and also coarse crystalline, greenish gray with yellowish and brownish tint, highly altered and epidotised all over towards end, at places nicely brecciated with diabase and abundance of pyrite towards the end.** | | | |
| ***PERSONNEL ONSITE:*** | | | |
| **ODP :** Jude Coggon, Christopher MacLeod, Antony Morris, Louise Koornneef, **AZD :** Nehal Hasan Warsi  **LBV :** Gopi Krishnan  **GSE :** Sheikh Olliullah (D); Abdul Khaliq, Mohd. Jameel, Mohd. Alauddin  **Others:** *A team of American Microbiologists and other geologists visit the site.* | | | |
| ***REMARKS:*** | | | |
| **\*Sydney De Silva, Senior Hydro geologist from AZD visit the drill site.** | | | |

Best Regards,

**Nehal H Warsi**

*Site Geologist, AZD Engineering Consultancy*

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