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| **To,**  **Prof. Juerg M. Matter**  Project Director, ODP | | ***Doc. No.:*** *AZD/ODP/GT-1A/DPR-45*  ***Dated:*** *07-02-2017* | |
| **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: 7th of February 2017)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Rig-1 (Dynatech)** | | | |
| ***LOCATION AND TARGET:*** | | | |
| **Drill Hole ID** | **GT-1A** | **Location** | Wadi Gideah |
| **Coordinates** | UTM: E655373.7 N2532417.3 | **Elevation** | **-** |
| **Azimuth** | **-** | **Inclination** | 90º/ Vertical |
| **Drilling** | NQ Size | **Method** | Wire line-Diamond Core Drilling |
| **Target Depth** | 400 mtrs | **Geol. Target** | Gabbro-Hydrothermal Fault Zone |
| ***DRILLING:*** | | | |
| **Drilling Status** | Continued drilling with NQ drill bit from 344.30mbgl and drilled up to 371.75mbgl. | | |
| **Penetration Rate** | Variable; 30-45 min/core of 3.05 meter | | |
| **Bit Rotation** | Variable; Average 450 rpm | | |
| **Fluid Circulation** | 60%; Partial loss circulation | | |
| **Total Drill Run** | 11; 7 being of 3.05 meters and others being of 2.80,0.25,1 and 2.05m | | |
| **Today’s Drilling** | **27.45m** | | |
| **Cumulative Total** | **371.75m** *(HQ=251.7m; NQ=120.05m)* | | |
| ***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 Gabbro litho unit mostly grayish green to green , fine to medium grain, compact to foliated, banded towards the end, moderately strong, at places highly sheared and altered but still compact cataclastics; presence of veins and veinlet of siliceous hydrothermal alteration products and abundance of epidotes bands; Presence of olivine rich intervals at places** | | | |
| ***PERSONNEL ONSITE:*** | | | |
| **ODP** **:** Jude Coggon, Gretchen Bernasconi, Michelle Harris, Nicholas Bompard, Julie Noel **AZD :** Nehal Hasan Warsi  **LBV :** Gopi Krishnan  **GSE :** Sheikh Olliullah (D); Abdul Khaliq, Mohd. Jameel, Mohd. Alauddin  **Others:** *Students from GUTech:* Mariya Al Balushi, Zahra Al Lawati | | | |
| ***REMARKS:*** | | | |
| ***\**** Access road to location GT-3 completed; Site preparation in progress. | | | |

Best Regards,

**Nehal H Warsi**

# *Site Geologist, AZD Engineering Consultancy*

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