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| **To,**  **Prof. Juerg M. Matter**  Project Director, ODP | | ***Doc. No.:*** *AZD/ODP/GT-3A/DPR-58*  ***Dated:*** *20-02-2017* | |
| **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: 20th of February 2017)**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 Size | **Method** | Wire line-Diamond Core Drilling |
| **Target Depth** | 400 mtrs | **Geol. Target** | Gabbro-Sheeted Dyke Transition |
| ***DRILLING:*** | | | |
| **Drilling Status** | **Continued to drill further deep with HQ drill bit from 191.20m to 218.20mbgl.** | | |
| **Penetration Rate** | Variable; between 40-60 min for 3m core run | | |
| **Bit Rotation** | Variable; average 400 rpm | | |
| **Fluid Circulation** | Total loss of circulation continues | | |
| **Total Drill Run** | 9; each one of 3m | | |
| **Today’s Drilling** | **27.00m** | | |
| **Cumulative Total** | **218.20m (HQ)** | | |
| ***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 to aphanitic-chilled margin, grayish green, compact groundmass with visible phenocryst of olivine or pyroxene at places, moderately strong to strong, at places fractured, laumantite veins; presence of hydrothermal alteration and epidotes in abundance along with felsic dykes at places. Presence of some fine pyrite at 196.25m and brecciated fault zone at 199.70 to 201m** | | | |
| ***PERSONNEL ONSITE:*** | | | |
| **ODP :** Johan Lissenberg, Lyderic France, Emma Bennett, Louise Koornneef, Marine Boulamger,Juergen Koepke, Tony Morris **AZD :** Nehal Hasan Warsi  **LBV :** Gopi Krishnan  **GSE :** Sheikh Olliullah (D); Abdul Khaliq, Mohd. Jameel, Mohd. Alauddin  **Others:** *Geologist Engineers from Public Authority of Mining: Salem al Humaimi and Saif al Shahri* | | | |
| ***REMARKS:*** | | | |
| **\*** ***Recovery of 2.35m Solid Diabase Core***; longest in the project, so far.  \* ***Tony Morris joins the onsite team.*** | | | |

Best Regards,

**Nehal H Warsi**

# *Site Geologist, AZD Engineering Consultancy*

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