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| **To,** **Prof. Juerg M. Matter** Project Director, ODP | ***Doc. No.:*** *AZD/ODP/BT-1B/DPR-82****Dated:*** *16-03-2017* |
| **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: 16th of March 2017)**

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| **Rig-1 (Dynatech)** |
| ***LOCATION AND TARGET:*** |
| **Drill Hole ID** | **BT-1B**  | **Location** | **Wadi Mansah** |
| **Coordinates** | UTM 620988E 2584403N | **Elevation** | **-**  |
| **Azimuth** | N30°  | **Inclination** | Inclined 75° |
| **Drilling** | HQ Size | **Method** | Wire line-Diamond Core Drilling |
| **Target Depth**  | 400 mtrs | **Geol. Target** | Altered Peridotites-Basal Thrust |
| ***DRILLING:*** |
| **Drilling Status**  | Continued drilling from 155.10mbgl and drilled up to 167.10mbgl. With prevailing condition of no fluid circulation, high torque onto tough to drill formation, system pressure keeps on increasing & reaches more than 250 psi. Hence, decided to pull out the drill assembly and check the condition of bit. PooH; Bit is ok. Decided to change to NQ size & install NC casing with shoe bit so that the fluid circulation continues with the normal drilling condition. Installed 132m of NC casing with Shoe bit. |
| **Penetration Rate**  | Variable; between 60-95min for 3m core |
| **Bit Rotation**  | Variable; average 600rpm |
| **Fluid Circulation**  | Complete loss of circulation  |
| **Total Drill Run**  | 4; all being of 3m  |
| **Today’s Drilling**  | **12.00m** |
| **Cumulative Total**  | **167.10m** *(1.9m for BT-1A)* |
| ***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 altered Peridotite mainly consisting of calcic magnesium silicate rich, micro to coarse crystalline strong, mostly off white to cream color and greenish gray fresh to altered, quartz-carbonated Listvanite, brecciated at places, presence of most fuchsite, at places fractured with crystal overgrowths** |
| ***PERSONNEL ONSITE:*** |
| **ODP :** Peter Kelemen, Jude Coggon, Craig Manning, David Zeko, Romain, Americus Perez, Juan Carlos**AZD :** Nehal Hasan Warsi**LBV :** Gopi Krishnan**GSE :** Sheikh Olliullah (D); Abdul Khaliq, Mohd. Jameel, Mohd. Sadiq and water tanker driver.**Others:** *MRMWR: Engr. Shihab al Balushi and Engr. Hamoud Al Siyabi, onsite training programme.* |
| ***REMARKS:***  |
| \* *MRMWR Engineers Shihab al Balushi and Hamoud Al Siyabi leave the site.* |

Best Regards,

**Nehal H Warsi**

*Site Geologist, AZD Engineering Consultancy*

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