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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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