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| **To,** **Prof. Juerg M. Matter** Project Director, ODP | ***Doc. No.:*** *AZD/ODP/GT-3A/DPR-51****Dated:*** *13-02-2017* |
| **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: 13th 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 Size | **Method** | Wire line-Diamond Core Drilling |
| **Target Depth**  | 400 mtrs | **Geol. Target** | Gabbro-Sheeted Dyke Transition |
| ***DRILLING:*** |
| **Drilling Status**  | Continued to ream with shoe bit and installed HW surface casing up to 9mbgl. Run in hole the HQ drill bit assembly which starts re-drilling from 8.3 mbgl some fallen materials and then the solid rock further. Core recovered shows the deviation from the previously drilled hole. Continue drilling to straighten the hole up to 11.85m as it’s presumed that the deviation was in previous drilling and now hole is straight. Drilled further up to 24.05mbgl. |
| **Penetration Rate**  | Variable; between 45-60 min for 3.05m core run |
| **Bit Rotation**  | 350 rpm |
| **Fluid Circulation**  | 80% circulation after casing but total loss of circulation again from 23m onward |
| **Total Drill Run**  | 6; 2 being of 2, 2 being of 1.05 and 2 being of 3.05m |
| **Today’s Drilling**  | **12.20m** |
| **Cumulative Total**  | **24.05m (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 dolerite dyke or diabase unit composed of aphanitic-chilled margin, grayish green, fine groundmass with visible crystals of plagioclase, compact, moderately strong to strong, fractured and oxidized with carbonates; presence hydrothermal alteration products and epidotes** |
| ***PERSONNEL ONSITE:*** |
| **ODP** **:** Jude Coggon, Gretchen Bernasconi, Michelle Harris, Nicholas Bompard, Damon Teagle**AZD :** Nehal Hasan Warsi**LBV :** Gopi Krishnan**GSE :** Sheikh Olliullah (D); Abdul Khaliq, Mohd. Jameel, Mohd. Alauddin**Others:** None |
| ***REMARKS:***  |
| ***\**** *Core boxes loaded on the Truck and sent to Muscat.**\* Jude Coggon leaves site; five other ODP members arrive onsite.* |

Best Regards,

**Nehal H Warsi**

# *Site Geologist, AZD Engineering Consultancy*

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