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| **To,** **Prof. Juerg M. Matter** Project Director, ODP | ***Doc. No.:*** *AZD/ODP/GT-1A/DPR-39****Dated:*** *01-02-2017* |
| **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: 1st of February 2017)**

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| **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** | HQ Size | **Method** | Wire line-Diamond Core Drilling |
| **Target Depth**  | 400 mtrs | **Geol. Target** | Gabbro-Hydrothermal Fault Zone |
| ***DRILLING:*** |
| **Drilling Status**  | Continued drilling with HQ drill bit from 227.7mbgl and drilled up to 251.70 mbgl.  |
| **Penetration Rate**  | Variable; Between 40-80 min/core of 3 meter |
| **Bit Rotation**  | Variable; Average 350 rpm |
| **Fluid Circulation**  | 60%; Partial loss circulation |
| **Total Drill Run**  | 8; all being of 3 meters each |
| **Today’s Drilling**  | **24.00m**  |
| **Cumulative Total**  | **251.70m**  |
| ***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 mixed greenish gray to dark gray olivine rich at places, moderately strong, fresh to altered, foliated to compact gabbro; presence of veins and veinlet of siliceous hydrothermal alteration products mixed with gypsum; associated in banded form with epidotes sometimes.** |
| ***PERSONNEL ONSITE:*** |
| **ODP :** Jude Coggon, Anna Jesus, Nicholas Bompard, Gretchen Bernasconi-Green, [Michelle Harris](https://twitter.com/michelleharri5)**AZD :** Nehal H Warsi**LBV :** Gopi Krishnan**GSE :** Sheikh Olliullah (D); Abdul Khaliq, Mohd. Jameel, Mohd. Alauddin**Others:** *Students from GUTech:* Maisa Hamed Al Busaidi and Nidhal Abdullah Al Jahwari |
| ***REMARKS:***  |
| \*Driller feels that the abundant fractures and fault zone which cut across before may be problematic for deep drilling with HQ and safety of the drilling equipments; So, looking at the problems faced while drilling, in consultation with client it has been decided to change further to NQ. Pullout started. |

Best Regards,

**Nehal H Warsi**

# *Site Geologist, AZD Engineering Consultancy*

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