Datashare 26. Key elements of the intra-Barik Sandstone Member correlation framework across the Khazzan area of interest. Potential correlation issues are highlighted. S KZN-2H1 SN-33H1 BK-7H1 BOU-1H2 30 km 40 km 16 km Gamma Ray Gamma Ray Ray Ray Ray Ray BARIK/SAIH RAWL RESERVOIR UNITS KHAZZAN RESERVOIR UNITS CONDENSED SECTION POTENTIAL HIATAL SURFACE OR NONDEPOSITION 1 2 1 Hotel Kilo Gamma 2 Indigo 2 1 HMAAB (FS01) (3) Foxtrot Echo Hotel 2 1 + Delta 4 AA. ACCOMMODATION LIMITED ONE OF THESE CHRONS
NOT PRESENT OR SAMPLED?
IN SAIH RAWL & BARIK CORE POSSIBLE EROSION OR NONDEPOSITION oxtrot 6 SPACE PROBLEM POSSIBLE EROSION OR NONDEPOSITION A LOCATION KM-2H3 . \WU-2 Charlie 7 MKM-1H3 MKM/3 AA BOU-1H2 MĽMD-1H2 KZN-2 JL-1H2 KZN-1H4 (8) SR-83 . RRL-5 Saih Rawl S-R-25 SR-38 SN-36 MJB-2H2
SR-90 SR-90 SR-29 SN-34 SN-34
SR-94 SR-95 SR-32 SR-32 SR-34 SR-31 N 9 SR-54 KEYS Facies Scheme Magnetic Mineral Inclusion Magnetostratigraphy Fluvial channel facies Provenance Analysis (MMIPA) Polarity and inclination (value) Symbols indicate group/subgroup of Normal (30 - 90) Mud-rich overbank facies hierarchical cluster analysis Run-1 Uncertain (-30 - 0 - 30) Shallow marine sandstones facies and Run-2 respectively Reversed (-30 - -90) RUN-1 RUN-2 Offshore transitional zone facies Water Salinity B1 1 🛕 A2 BELIABLE Shrinkage cracks present NEGATIVE CHRON CHRON B2 2 🛕 A3 Ichnodiversity B3 3 High A3 Moderate B3 POSITIVE POSITIVE CHRON Low D Heavy Mineral Analysis (HMA) INFERRED CHRON End members of subgroups in Run-1 Apatite:Tourmaline ratio (ATi) map to same ID in Run-2 + High (60-80) NB the MMIPA cluster analysis method * Low (<60) and results are outlined in the text, and nd = not determined tabulated in Table 2.