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| --- | --- | --- | --- | --- | --- | --- |
| **طرح نگهداشت و افزایش تولید 27 مخزن** | | | | | | |
| **MATRIAL SAFETY DATA SHEETS**  **نگهداشت و افزایش تولید میدان نفتی بینک** | | | | | | |
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|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| D01 | OCT. 2022 | IFA | A.Saber | M.Fakharian | M.Mehrshad |  |
| D00 | SEP. 2021 | IFC | M.Asgharnejad | M.Fakharian | M.Mehrshad |  |
| **Rev.** | **Date** | **Purpose of Issue/Status** | **Prepared by:** | **Checked by:** | **Approved by:** | **CLIENT Approval** |
| **Class: 2** | | **CLIENT Doc. Number: F0Z-707203** | | | | |
| **Status:** | **IDC: Inter-Discipline Check**  **IFC: Issued For Comment**  **IFA: Issued For Approval**  **AFD: Approved For Design**  **AFC: Approved For Construction**  **AFP: Approved For Purchase**  **AFQ:** Approved For Quotation  **IFI: Issued For Information**  **AB-R: As-Built for COMPANY Review**  **AB-A: As-Built –Approved** | | | | | |

**REVISION RECORD SHEET**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PAGE** | **D00** | **D01** | **D02** | **D03** | **D04** |  | **PAGE** | **D00** | **D01** | **D02** | **D03** | **D04** |
| **1** | X |  |  |  |  | **66** | X |  |  |  |  |
| **2** | X |  |  |  |  | **67** | X |  |  |  |  |
| **3** | X |  |  |  |  | **68** | X |  |  |  |  |
| **4** | X |  |  |  |  | **69** | X |  |  |  |  |
| **5** | X |  |  |  |  | **70** | X |  |  |  |  |
| **6** | X |  |  |  |  | **71** | X |  |  |  |  |
| **7** | X |  |  |  |  | **72** | X |  |  |  |  |
| **8** | X |  |  |  |  | **73** | X |  |  |  |  |
| **9** | X |  |  |  |  | **74** |  |  |  |  |  |
| **10** | X |  |  |  |  | **75** |  |  |  |  |  |
| **11** | X |  |  |  |  | **76** |  |  |  |  |  |
| **12** | X |  |  |  |  | **77** |  |  |  |  |  |
| **13** | X |  |  |  |  | **78** |  |  |  |  |  |
| **14** | X |  |  |  |  | **79** |  |  |  |  |  |
| **15** | X |  |  |  |  | **80** |  |  |  |  |  |
| **16** | X |  |  |  |  | **81** |  |  |  |  |  |
| **17** | X |  |  |  |  | **82** |  |  |  |  |  |
| **18** | X |  |  |  |  | **83** |  |  |  |  |  |
| **19** | X |  |  |  |  | **84** |  |  |  |  |  |
| **20** | X |  |  |  |  | **85** |  |  |  |  |  |
| **21** | X |  |  |  |  | **86** |  |  |  |  |  |
| **22** | X |  |  |  |  | **87** |  |  |  |  |  |
| **23** | X |  |  |  |  | **88** |  |  |  |  |  |
| **24** | X |  |  |  |  | **89** |  |  |  |  |  |
| **25** | X |  |  |  |  | **90** |  |  |  |  |  |
| **26** | X |  |  |  |  | **91** |  |  |  |  |  |
| **27** | X |  |  |  |  | **92** |  |  |  |  |  |
| **28** | X |  |  |  |  | **93** |  |  |  |  |  |
| **29** | X |  |  |  |  | **94** |  |  |  |  |  |
| **30** | X |  |  |  |  | **95** |  |  |  |  |  |
| **31** | X |  |  |  |  | **96** |  |  |  |  |  |
| **32** | X |  |  |  |  | **97** |  |  |  |  |  |
| **33** | X |  |  |  |  | **98** |  |  |  |  |  |
| **34** | X |  |  |  |  | **99** |  |  |  |  |  |
| **35** | X |  |  |  |  | **100** |  |  |  |  |  |
| **36** | X |  |  |  |  | **101** |  |  |  |  |  |
| **37** | X |  |  |  |  | **102** |  |  |  |  |  |
| **38** | X |  |  |  |  | **103** |  |  |  |  |  |
| **39** | X |  |  |  |  | **104** |  |  |  |  |  |
| **40** | X |  |  |  |  | **105** |  |  |  |  |  |
| **41** | X |  |  |  |  | **106** |  |  |  |  |  |
| **42** | X |  |  |  |  | **107** |  |  |  |  |  |
| **43** | X |  |  |  |  | **108** |  |  |  |  |  |
| **44** | X |  |  |  |  | **109** |  |  |  |  |  |
| **45** | X |  |  |  |  | **110** |  |  |  |  |  |
| **46** | X |  |  |  |  | **111** |  |  |  |  |  |
| **47** | X |  |  |  |  | **112** |  |  |  |  |  |
| **48** | X |  |  |  |  | **113** |  |  |  |  |  |
| **49** | X |  |  |  |  | **114** |  |  |  |  |  |
| **50** | X |  |  |  |  | **115** |  |  |  |  |  |
| **51** | X |  |  |  |  | **116** |  |  |  |  |  |
| **52** | X |  |  |  |  | **117** |  |  |  |  |  |
| **53** | X |  |  |  |  | **118** |  |  |  |  |  |
| **54** | X |  |  |  |  | **119** |  |  |  |  |  |
| **55** | X |  |  |  |  | **120** |  |  |  |  |  |
| **56** | X |  |  |  |  | **121** |  |  |  |  |  |
| **57** | X |  |  |  |  | **122** |  |  |  |  |  |
| **58** | X |  |  |  |  | **123** |  |  |  |  |  |
| **59** | X |  |  |  |  | **124** |  |  |  |  |  |
| **60** | X |  |  |  |  | **125** |  |  |  |  |  |
| **61** | X |  |  |  |  | **126** |  |  |  |  |  |
| **62** | X |  |  |  |  | **127** |  |  |  |  |  |
| **63** | X |  |  |  |  | **128** |  |  |  |  |  |
| **64** | X |  |  |  |  | **129** |  |  |  |  |  |
| **65** | X |  |  |  |  | **130** |  |  |  |  |  |

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1. **INTRODUCTION**

Binak oilfield in Bushehr province is a part of the southern oilfields of Iran, is located 20 km northwest of Genaveh city.

With the aim of increasing production of oil from Binak oilfield, an EPC/EPD Project has been defined by NIOC/NISOC and awarded to Petro Iran Development Company (PEDCO). Also PEDCO (as General Contractor) has assigned the EPC-packages of the Project to "Hirgan Energy - Design and Inspection" JV.

**GENERAL DEFINITION**

The following terms shall be used in this document.

|  |  |
| --- | --- |
| CLIENT: | National Iranian South Oilfields CLIENT (NISOC) |
| PROJECT: | Binak Oilfield Development – General Facilities |
| EPD/EPC CONTRACTOR (GC): | Petro Iran Development Company (PEDCO) |
| EPC CONTRACTOR: | Joint Venture of : Hirgan Energy – Design & Inspection(D&I) Companies |
| VENDOR: | The firm or person who will fabricate the equipment or material. |
| EXECUTOR: | Executor is the party which carries out all or part of construction and/or commissioning for the project. |
| THIRD PARTY INSPECTOR (TPI): | The firm appointed by EPD/EPC CONTRACTOR (GC) and approved by COMPANY (in writing) for the inspection of goods. |
| SHALL: | Is used where a provision is mandatory. |
| SHOULD: | Is used where a provision is advisory only. |
| WILL: | Is normally used in connection with the action by COMPANY rather than by an EPC/EPD CONTRACTOR, supplier or VENDOR. |
| MAY: | Is used where a provision is completely discretionary. |

1. **Scope**

The aim of this document is to settle all Material Safety Data Sheets (MSDS) related to the Hazardous Material inventory in one file.

1. **REFERENCES**

* BK-GCS-PEDCO-120-PR-PF-0001 Process Flow Diagram (PFD)

1. **MSDS LIST**
   * Butane
   * Carbon dioxide (CO2)
   * Ethane
   * H2S
   * Hydrogen
   * Methane
   * N-Decane
   * N-Heptane
   * Nitrogen
   * N-Nonane
   * Octane
   * Pentane
   * Propane
   * Ethylene Glycol
   * Diesel
   * Corrosion Inhibitor

Notes:

- See attached files.