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| **طرح نگهداشت و افزایش تولید 27 مخزن** | | | | | | |
| **TIE-IN LIST - EXTENSION OF BINAK B/C MANIFOLD**  **نگهداشت و افزایش تولید میدان نفتی بینک** | | | | | | |
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| D02 | FEB. 2023 | IFA | M.Aryafar | M.Fakharian | M.Mehrshad |  |
| D01 | OCT. 2022 | IFA | M.Aryafar | M.Fakharian | M.Mehrshad |  |
| D00 | APR. 2022 | IFC | M.Aryafar | M.Fakharian | M.Mehrshad |  |
| **Rev.** | **Date** | **Purpose of Issue/Status** | **Prepared by:** | **Checked by:** | **Approved by:** | **CLIENT Approval** |
| **Class:1** | | **CLIENT Doc. Number:** **F0Z-707928** | | | | |
| **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 CLIENT Review**  **AB-A: As-Built –Approved** | | | | | |

**REVISION RECORD SHEET**

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| **PAGE** | **D00** | **D01** | **D02** | **D03** | **D04** |  | **PAGE** | **D00** | **D01** | **D02** | **D03** | **D04** |
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| **2** | X | X | X |  |  | **67** |  |  |  |  |  |
| **3** | X |  |  |  |  | **68** |  |  |  |  |  |
| **4** | X |  |  |  |  | **69** |  |  |  |  |  |
| **5** | X | X | X |  |  | **70** |  |  |  |  |  |
| **6** | X |  |  |  |  | **71** |  |  |  |  |  |
| **7** | X |  |  |  |  | **72** |  |  |  |  |  |
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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.

As a part of the Project, construction of well location, access road, wellhead facilities (with electric power supply) for W007S shall be done. In addition, construction of new flowline from aforementioned well location to Binak B/C unit (with extension of relevant manifold) are in the Project scope of work.

**GENERAL DEFINITION**

The following terms shall be used in this document.

|  |  |
| --- | --- |
| CLIENT: | National Iranian South Oilfields Company (NISOC) |
| PROJECT: | Binak Oilfield Development – Construction of Well Location, Wellhead Facilities, Electrification Facilities, Flowlines for W007S and Extension of Binak B/C Manifold |
| 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 CLIENT (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 CLIENT rather than by an EPC/EPD CONTRACTOR, supplier or VENDOR. |
| MAY: | Is used where a provision is completely discretionary. |

| **TIE IN NO** | **IN/OUT** | **SERVICE** | **LINE NO.** | **SIZE**  **(in)** | **FROM** | **TO** | **P&ID NO.** | **OPRERATING CONDITION** | | **DESIGN CONDITION** | | **CONNECTION TYPE (1)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **OP.PRESS (BARG)** | **OP. TEMP (℃)** | **MAX.PRESS (BARG)** | **MAX.TEMP (℃)** |
| 1 | OUT | CDH | CDH-110-170A,B,C,D,E,F-AN05-1”-PT | 1” | TRV-1701A,B,C,D,E,F | EXISTING HP DRAIN HEADER | BK-W007S-PEDCO-110-PR-PI-0001(3,4,5/6) | 1 | 21.98~54.82 | 18.2 | -5/85 | Cold weld |
| 2 | OUT | GAS | GAS-110-178A,B,C,D,E,F-AN05-2”-PT | 2” | CY-1701A,B,C,D,E,F | EXISTING FLARE HEADER | BK-W007S-PEDCO-110-PR-PI-0001(3,4,5/6) | 1 | 21.98~54.82 | 18.2 | -5/85 | Cold weld |
| 3 | OUT | CDH | CDH-110-179A,B,C,D,E,F-AN05-1/2”-PT | 1/2" | CY-1701A,B,C,D,E,F | EXISTING DRAIN HEADER | BK-W007S-PEDCO-110-PR-PI-0001(3,4,5/6) | ATM | AMB | 18.2 | -5/85 | Cold weld |
| 4 | OUT | OIL | CRD-110-172A,B,C,D,E,F-CN05-4”-PT | 4” | FCV-1701A,B,C,D,E,F | EXISTING DRAIN HEADER B | BK-W007S-PEDCO-110-PR-PI-0001(3,4,5/6) | 11.28 | 5~49 | 51.1 | -5/85 | Cold weld |
| 5 | OUT | OIL | CRD-110-173A,B,C,D,E,F-CN05-4”-PT | 4” | FCV-1701A,B,C,D,E,F | EXISTING DRAIN HEADER A | BK-W007S-PEDCO-110-PR-PI-0001(3,4,5/6) | 11.28 | 5~49 | 51.1 | -5/85 | Cold weld |
| 6 | OUT | CDH | CDH-110-174A,B,C,D,E,F-AN05-6”-PT | 6” | PRV-1701A,B,C,D,E,F | EXISTING DRAIN SEP. | BK-W007S-PEDCO-110-PR-PI-0001(3,4,5/6) | 1 | 21.98~54.82 | 18.2 | -5/85 | Cold weld |
| 7 | OUT | OIL | CRD-110-179A,B,C,D,E,F-CN05-4”-PT | 4” | FCV-1701A,B,C,D,E,F | EXISTING HEADER TO DRAIN SEPARATOR | BK-W007S-PEDCO-110-PR-PI-0001(3,4,5/6) | 11.28 | 5~49 | 51.1 | -5/85 | Cold weld |
| 8 | OUT | CDH | CDH-112-0015-CNO5-4”-PT | 4” | EXISTING 4 INCH PIPELINE | EXISTING TO HEADER A | BK-W007S-PEDCO-110-PR-PI-0001(2/6) | 12.78 | 5~49 | 22.5 | -5/85 | Cold weld |
| 9 | OUT | CDH | - | 4” | EXISTING 4 INCH PIPELINE | EXISTING DRAIN SEP. | BK-W007S-PEDCO-110-PR-PI-0001(2/6) | 12.78 | 5~49 | 22.5 | -5/85 | Cold weld |

D02