

## نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

## شرکت تومد پترواریان





## احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

NISOC

MECHANICAL DATA SHEETS FOR 2nd STAGE G.C. SUCTION DRUMS

| شماره پیمان:          | پروژه | بسته کاری | صادر كننده | تسهيلات | رشته | نوع مدرك | سريال | نسخه |
|-----------------------|-------|-----------|------------|---------|------|----------|-------|------|
| • ۵۳ - • ۷۳ - ٩ ١ ٨ ۴ | BK    | GCS       | PEDCO      | 120     | ME   | DT       | 0004  | D04  |

شماره صفحه: ۱ از ۸

## طرح نگهداشت و افزایش تولید ۲۷ مخزن

## MECHANICAL DATA SHEETS FOR 2nd STAGE G.C. SUCTION DRUMS

## نگهداشت و افزایش تولید میدان نفتی بینک

| JAN. 2022<br>DEC.2021<br>Date | IFA IFC Purpose of Issue / Status | H.Adineh H.Adineh Prepared by: | M.Fakharian M.Fakharian Checked by:          | M.Mehrshad M.Mehrshad Approved by:                                   | CLIENT Approval  |
|-------------------------------|-----------------------------------|--------------------------------|--|--|--|
|                               |                                   |                                |  |  |  |
| JAN. 2022                     | IFA                               | H.Adineh                       | M.Fakharian                                  | M.Mehrshad   |  |
| 1441 0000                     | IE A                              |                                |  |  |  |
| MAY. 2022                     | IFA                               | H.Adineh                       | M.Fakharian                                  | M.Mehrshad   |  |
| SEP.2022                      | IFA                               | H.Adineh                       | M.Fakharian                                  | M.Mehrshad   |  |
| JUN.2023                      | IFA                               | H.Adineh                       | M.Fakharian                                  | A.M.Mohseni  |  |
|                               |                                   |                                |  |  |  |
|                               | SEP.2022<br>MAY. 2022             | SEP.2022 IFA MAY. 2022 IFA     | SEP.2022 IFA H.Adineh MAY. 2022 IFA H.Adineh | SEP.2022 IFA H.Adineh M.Fakharian MAY. 2022 IFA H.Adineh M.Fakharian | SEP.2022 IFA H.Adineh M.Fakharian M.Mehrshad MAY. 2022 IFA H.Adineh M.Fakharian M.Mehrshad |

Class: 1 CLIENT Doc. Number: F0Z-708835

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

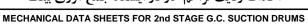
AB-A: As-Built -Approved



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## نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

## احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک







شماره صفحه: ۲ از ۸

## **REVISION RECORD SHEET**

|          |     |     |  | RE  | VISION REC |
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| Page     | D00 | D01 | D02  | D03 | D04        |
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نماره پیمان:

## نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

## احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

MECHANICAL DATA SHEETS FOR 2nd STAGE G.C. SUCTION DRUMS

 نسخه
 سریال
 نوع مدر ک
 رشته
 تسهیلات
 صادر کننده
 بسته کاری
 پروژه

 BK
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شماره صفحه: ۱۳ز ۸

#### **General Notes**

#### Rev

- 1. The Asterisk \* denotes information and/or confirmation required from VENDOR.
- 2. Deleted
- 3. VENDOR shall include for the services of a independent verification body for mechanical design, stage inspection, testing and stamping of the equipment (if possible).
- 4. Painting and coating (external) shall be as per project 'Specification for Painting', Doc. No. BK-GNRAL-PEDCO-000-PI-SP-0006. Specification for Lining', Doc. No. BK-GNRAL-PEDCO-000-PI-SP-0007.
- 5. Flanges shall comply with ASME B16.5. Nozzle bolt holes shall straddle the natural centrelines for horizontal nozzles. VENDOR to confirm maximum allowable nozzle loads and moments (RF: Raised Face, WN: Welding Neck)
- 6. All reinforcement pads shall have 1/4" (6mm) tell-tale hole and 1/8" (3mm) vent hole as per Standard Detail Drawing For Pressure Vessels and Heat Exchangers', Doc. No. BK-GNRAL-PEDCO-000-ME-DW-0001".
- 7. Manways shall be supplied complete with blind flange, external grab handles, internal grab handle and ladder rungs, nuts, bolting, gasket and proof load test davits. Davits shall be proof load tested on the vessels to 1.5 x Safe Working Load (SWL) and shall be marked accordingly.
- 8. All external bolts and nuts shall be hot dip galvanized. Internal bolts and nuts shall be stainless steel.
- 9. Loads at support base, Shall be calculated and determined by vendor.
- 10. Access Ladder & Platform to be considered .
- 11. Deleted
- 12. All material, corrosion allowance and their suitability for the process fluid at design pressure and temperature to be confirmed by vendor.
- 13. Deleted
- 14. All nozzle locations and orientations to be finalized later.
- 15. Instrumentation items are excluded from vendor's scope of supply.
- 16. Any changes in material of construction, location & orientation of the nozzles shall be confirmed by client.
- 17. All materials shall be new and unused.
- 18. Fabrication tolerances for vessel shall be in accordance with requirement of ASME code.
- 19. Location and number of lifting lugs on vessels shall be specificed on VENDOR drawing.
- 20. All items shall be clearly match marked against vessel drawings to facilitate erection.
- 21. For instrument's connections please refer to project "Specification For Instrumentation", Doc. No. BK-GNRAL-PEDCO-000-IN-SP-0001 Doc. No. BK-GNRAL-PEDCO-000-IN-SP-0001 and Instrument Hook-up Diagram, Doc.No.BK-PPL-PEDCO-320-IN-DG-0002
- 22. Vendor shall supply details of all welding connections and give general specification of used materials.
- 23. For equipment requiring PWHT, final inspection and acceptance by the CLIENT or its nominated representative shall only be undertaken against NDE after PWHT. All weldings shall be made before vessel heat treatment (if any).
- 24. Equipment packaging, preparation for shipment and delivery shall be in accordance with the project Packing, Marking, Transportation Procedure Doc. No. "BK-GNRAL-PEDCO-000-QC-PR-0045".
- 25. Specified accessories and attachments shall be supplied by vendor.
- 26. Gasket shall be spiral wound type, graphite filled with inner ring and outer ring S.S.316
- 27. Fire proofing requirement will be specified as per result of fire proofing zone layout. "Area Classification: Zone 2, IIB, T3"
- 28. Insulation shall be as per project 'Specification for Insulation', Document No. BK-GNRAL-PEDCO-000-PI-SP-0019.
- 29. Two M12 earthing lugs shall be provided on vessel support. Material of Earthing lugs shall be S.S. 316



#### **NISOC**

-04 - - 47 - 9146

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MECHANICAL DATA SHEETS FOR 2nd STAGE G.C. SUCTION DRUMS

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#### General Notes (Cont'd)

#### Rev

- 30. For standard detail of Earth lug execution refer to the Project "Standard Detail Drawing For Pressure Vessels and Heat Exchangers Doc. No. BK-GNRAL-PEDCO-000-ME-DW-0001".
- 31. Elliptical heads shall be Ultrasonic Tested for LAMINATION after forming.

شماره پیمان:

- 32. The projection of equipment's nozzles should be considered as per 'Standard Detail Drawing For Pressure Vessels and Heat Exchangers', Doc. No. BK-GNRAL-PEDCO-000-ME-DW-0001". Projection of Horizontal & Vertical nozzles is from tengent line and centerline respectively.
- 33. The elevation of equipment's nozzels should be specified as follows:
  - I. For vertical vessels: from bottom T.L.
  - II. For horizontal vessels: from Left T.L.
- Nozzles and flanges shall be suitably supported and reinforced based on nozzle loads provided in project Specification for Pressure Vessels, Document No. BK-GNRAL-PEDCO-000-ME-SP-0001.
- 35. Prior to sealing the vessel for shipping and storage, the inside surface of the equipment shall be 100% visually inspected. Internal surfaces shall be clean and thoroughly dried. The CLIENT or its nominated representative shall witness the cleanliness of internal surfaces. Flange faces shall be protected by wooden or plastic dummy flanges.
- 36. Minimum requirement for pre-commissioning, commissioning, start up and two years operation and spare parts shall be in accordance with document E&C-QC-SP-1.
- 37 Lifting Lugs / trunnions shall be provided to facilitate a single point lift. If a single point lift cannot be achieved without the use of a lifting beam, then VENDOR shall provide a suitable, certified, lifting beam.
- 38. Design pressure specified is at top of vessels. VENDOR design shell include static head for vessels flooded with specific gravity of the handled liquid.
- 39. VENDOR is to maximize shop fabrication based on the following transportation limits: 2
  - Maximum weight: 96 tonnes
  - Maximum load per axle: 12 tonnes
  - Maximum length: 50.0 m
  - Maximum width: 5.0 m
  - Maximum height: 5.2 m

For items with dimensions and weights greater than the road capacity specified above, VENDOR may be required to split the package into several components.

- 40. All external attachments directly welded to the pressure part shall be the same material as vessel grade.
- 41. The Vendor shall be fully responsible for the complete mechanical design, preparing calculation book and supply of the vessel.
- 42. All dimensions shown are in mm unless otherwise indicated. All nozzle sizes are in inch.
- 43. Deleted
- 44. DEMISTER specification will be finilized later.
- The material shall be in compliance with NACE MR0175/ISO15156 and Specification For Material Requirements in Sour service Document No. BK-GNRAL-PEDCO-000-PI-SP-0008.
- 46. Welded carbon and carbon manganess steels for vessel shall comply with the following:

Carbon content shall not exceed 0.23%.

Based on the ladel analysis, below equation shall be satisfied.

Ceq. = C+MN/6+(Cr+Mo+V)/5+(Cu+Ni)/15 < 0.42 %

47. All carbon steel material shall be fully killed, fine grain treated and supplied in the normalized condition.

D04 48. VENDOR to advise (VTA) internal for inlet nozzle.



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## احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

## MECHANICAL DATA SHEETS FOR 2nd STAGE G.C. SUCTION DRUMS

 نسخه
 سریال
 نوع مدر ک
 رشته
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 صادر کننده
 بسته کاری
 پروژه
 شماره پیمان:

 BK
 GCS
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شماره صفحه: ۵ از ۸

|          |  | Mech. Data Sheet For 2nd Stage G.C. Such         | tion Drums (V-2102 A/B/C) / sheet 1 of 4                                 |  |
|----------|--|--|--|--|
| Rev      |  | DATA S   | HEET   | Re   |
| 1        |  | age G.C. Suction Drums                           |  |  |
| 2        |  | 2 A/B/C  | Quantity : 3 Set   |  |
| 3 4      | Type : Pressu  | re Vessel Process D                              | esign Data   |  |
| 5        | Contents   | 1100035  | Corrosive / Erosive  | CO2, H2S   |
| 6        | Operating Temp. (°C)                                 | 60   | Liquid Flow (kg/h)   |  |
| 7        | Operating Press. (barg)                              | 18.3   | Vap. Molec. Weight (kg/kmol)   |  |
| 8        | Gas Flow (kg/h)                                      |  | Liquid Sp. Gravity   | 0.01828  |
| 9        | Liquid Viscosity (cP)                                | Mochanical                                       | Service:  Design Data  Double Data                                       | Sour HC  |
| 11       |  | 115.4  | Vessel Orientation   | Vertical   |
|          | Design Press. (barg)                                 | F.V / 22   | HHLL (mi   |  |
| 13       | Test Press. (barg)                                   | Per Code & Specification                         | Nor. Liquid Vol. (n  | n <sup>3</sup> )   |
|          | Internal Vacuum (barg)                               | Yes  | In. Dia. Of Boots (m   | ·  |
|          | In. Dia. of Shell (mm)                               | 900  | Boot Length (m   | '  |
|          | Tan/Tan Dim. (mm) Vessel Head Type                   | 3000<br>2:1 Elliptical                           | Boot Head Type Corr. Allowance (m  | -<br>m)  |
| 18       | Shell Wall Thk. (mm)                                 | **   | Joint Efficiency   | 0.85 (Shell) / 1 (Head)  |
|          | Head Wall Thk. (mm)                                  | * (After Forming)                                |  | C)   |
| 20       | Seismic Design                                       | Site Class: D, Code: ASCE 7-10                   | MDMT (°  | (c) 5  |
| 21       |  | Speed: 120 Km/hr (Max.), Code: ASCE 7-10         | Insulation Required  | Yes, PP  |
| 22       |  |  | erials   | A 100 C D . 2 CL 1 CC 2101                                     |
|          | Code<br>Shell / Heads                                | ASME II / ASTM A 516 Gr. 70 N + 3mm Clad SS 316L | Nozzle Necks:<br>Pipes   | A 106 Gr.B + 3mm Clad SS 316L<br>A 106 Gr.B + 3mm Clad SS 316L |
|          | Heads  | A 516 Gr. 70 N + 3mm Clad SS 316L                | Plates   | A 516 Gr.70 N  |
|          | Lining / Cladding                                    | - / 3mm SS 316L                                  | Forgings   | A 105 N + 3mm Clad SS 316L                                     |
| 27       | Leg / Pad  | A 283 Gr.C / A 516 Gr. 70                        | Flanges  | A 105 N+ 3mm Clad SS 316L                                      |
|          | Platform Gratings                                    | Hot Dip Galvanized C.S.                          | Fittings   | A 234 Gr. WPB + Cladding                                       |
|          | Gaskets  | Note 26  | External Bolts   | A193 Gr B7M (Note 8)   |
|          | Lifting Lugs Reinforcing Pads                        | A 516 Gr.70 N/A 283<br>A 516 Gr.70 N             | External Nuts<br>Internal Bolts  | A194 Gr 2HM (Note 8)<br>A193 Gr B8M                            |
|          | Ladder & Platform                                    | C.S.   | Internal Nuts  | A193 Gr BoM<br>A194 8M   |
|          | Internal welded Support                              | SS 316L  | Name Plate   | S.S  |
| 34       |  |  |  |  |
| 35       |  | REFERENCE STAND                                  | ARDS & DOCUMENTS   |  |
| 36       | Mechanical Design Code Specification for Pressure Ve | a a a a la                                       | ASME Sec VIII Div 1, IPS-0<br>BK-GNRAL-PEDC                              |  |
|          | Process Basis of Design                              | esseis   | BK-GNRAL-PEDC  |  |
|          | Piping & Instrument Diagram                          | n (P&ID)   | BK-GCS-PEDCO   |  |
|          | Specification for Painting                           | . (. 5)  |  | CO-000-PI-SP-0006  |
| 41       | Specification for Insulation                         |  | BK-GNRAL-PEDC  |  |
|          | Specification For Material Re                        |  | BK-GNRAL-PEDCO-00  | 00-PI-SP-0008 (Note 45)  |
| 43       |  | Fabrication and Insp                             | ection Requirements  |  |
| 44<br>45 | Material Certification                               | In Accordance with BS EN 10204:2004, T           | yne 3.1. Minimum for Pressure Contain                                    | ning and Attachments   |
| 46       |  | Water  |  | Yes; Per Code & Spec. Requirements                             |
| 47       |  | Per Code & Spec. Requirements                    | PŤ   | 100%   |
| 48       |  | 100 % on Lifting Lug Fillet Welds                |  | Yes; Per Code & Spec. Requirements                             |
| 49       |  | 100 % On T-Joints and Head Joints                |  |  |
| 50<br>51 |  |  | ircumferential Joints Butt-Welds,<br>Fabricated Nozzle Neck Longitudinal | Dut Wolde  |
| 52       | RT Report  | Yes; Per Code & Spec. Requir.                    |  | Yes;Per Code & Spec. Requirements                              |
| 53       |  | Yes; Per Code & Spec. Requir.                    |  | Yes; Per Code & Spec. Requirements                             |
| 54       | Fabrication Quality Control                          | Plan (With Offer)                                | Y  | es   |
|          | Welding Procedure Review                             | • •  |  | es   |
|          | Surface Preparation & Coati                          | ng   | Specification for Painting Doc. No.B.                                    | K-GNRAL-PEDCO-000-PI-SP-0006                                   |
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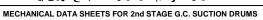
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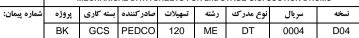
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## سطح الارض

## نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

## احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک







شماره صفحه: ۶ از ۸

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|--|-------------------------|----------|----------------------|--------------------------|----------------|-----------|--------------|----------------------|--------------|--------------|----------------------|----------------|--------|------------|
|  | 0 1                     | 0 1 11   |                      |                          | Acces          |           |              | chments (/           |              |              |                      |                |        |            |
| 2  |                         | g Saddle | es<br>Platform (Note | 10)                      |                | No<br>Yes |              | Name Plate           | вгаскет      |              |                      |                |        | Yes<br>Yes |
| 4  | Insulation              |          |                      | 10)                      |                | Yes       |              | Earthing Luc         | n (Note      | 30)          |                      |                |        | Yes        |
| 5  | Insulation              | очрро.   | ·                    |                          | Yes            | Ī         | ailing Lug   | 1 (11010             | 00)          |              |                      |                | Yes    |            |
| 6  | Insulation              | Cover    |                      |                          | Yes            | (         | Cathodic Pro | otection             | (Sacrifi     | cial Anodes) |                      |                | No     |            |
| 7  |                         |          | ort (Note 27) No     |                          |                |           |              | Anchor Bolts         |              |              |                      |                |        | No         |
| 8  | Lifting Lug             |          | Ol:                  |                          |                | Yes       |              | nstrumentat          | tions        |              |                      |                |        | No         |
| 9<br>10  | Internal/ E<br>Template | xternal  | Clips                |                          |                | Yes<br>No |              | Skid<br>Support Clip |              |              |                      |                |        | No<br>Yes  |
| 11   |                         |          |                      |                          |                | No        |              | ortex Breal          |              |              |                      |                |        | Yes        |
| 12   |                         | /lanhole |                      |                          |                | Yes       |              | Rung & Grip          |              |              |                      |                |        | No         |
| 13   | Internal Li             | ning (By | Painting)            |                          |                | Yes       |              | leating Coil         |              |              |                      |                |        | No         |
| 14   | Internal D              | emister  | Pad (Note 44)        |                          |                | Yes       |              |                      |              |              |                      |                |        |            |
| 15   |                         |          |                      |                          |                |           |              |                      |              |              |                      |                |        |            |
| 16<br>17   |                         |          |                      |                          |                |           |              |                      | ^            | \            |                      |                |        |            |
| 17<br>18   |                         |          |                      |                          |                | Nozzle    | es I se      | t * (Note 1)         |              | 04           |                      |                |        |            |
| 19   |                         | 01       | D                    |                          |                | Pipe      | JO           |                      | Flange       |              | Proj. (mm            | ) Reinfor      | cement | D          |
| 20   |                         | Qty.     | Des                  | cription                 | Size           | Thk.      | Sch          |                      | Rate.        | Face         | (Note 32)            | Thk.           | O.D.   | Remarks    |
| 21   |                         | 1        |                      | nlet                     | 6"             |           |              | WN                   | #300         | RF           | 727*                 | *              | 310*   | Note 6     |
| 22   |                         | 1        |                      | Outlet                   | 6"             |           |              | WN                   | #300         | RF           | 500*                 | *              | 310*   | Note 6     |
| 23   |                         | 1        |                      | d Outlet                 | 2"             |           |              | WN                   | #300         | RF           | 450*                 |                |        |            |
| 24<br>25   |                         | 1        |                      | Vent<br>Inhole           | 20"            |           |              | WN<br>WN             | #300         | RF<br>RF     | See DWG<br>827*      | *              | 870*   | Note 6     |
| 25<br>26   |                         | 1        |                      | Connection               | 2"             |           |              | WN                   | #300         | RF           | 659*                 |                | 670    | Hote o     |
| 27   | L 1,2                   | 2        |                      | nd Pipe                  | 3"             |           |              | WN                   | #300         | RF           | 718*                 | *              | 210*   | Note 6     |
| 28   |                         | 2        |                      | ransmitter               | 2"             |           |              | WN                   | #300         | RF           | 718*                 |                |        |            |
| 29   |                         | 1        |                      | Safety Valve             | 2"             |           |              | WN                   | #300         | RF           | 718*                 |                |        |            |
| 30   |                         | 1        |                      | re Gauge                 | 2"             |           |              | WN                   | #300         | RF           | 718*                 |                |        |            |
| 31   |                         | 1        |                      | ture Gauge               | 2"             |           |              | WN                   | #300         | RF           | 718*                 |                |        |            |
| 32<br>33   |                         | 2        | 1                    | PDIT                     | 2"             |           |              | WN                   | #300         | RF           | 718*                 |                |        |            |
| 34   |                         |          |                      |                          |                |           |              |                      |              |              |                      |                |        |            |
| 35   |                         |          |                      |                          |                |           |              |                      |              |              |                      |                |        |            |
| 36   |                         |          |                      |                          |                |           |              |                      |              |              |                      |                |        |            |
| 37<br>38   |                         |          |                      |                          |                |           |              |                      |              |              |                      |                |        |            |
|  |                         |          |                      |                          |                |           |              |                      |              |              |                      |                |        |            |
|  |                         |          |                      |                          |                |           |              |                      |              |              |                      |                |        |            |
| 39   |                         |          |                      |                          | Wind a         | nd Seism  | ic Loa       | ds at Base *         | Note(9       | )            |                      |                |        |            |
| 39<br>40<br>41   |                         |          |                      | oty Condition            |                |           | Opera        | ating Conditi        | ion          |              | Te                   | sting Con      | dition |            |
| 39<br>40<br>41<br>42   | Load Co                 | ondition | Em                   |                          |                |           | •            | •                    |              |              | Max.                 |                | ı      |            |
| 39<br>40<br>41<br>42<br>43   | Load Co                 | ondition |                      | 1                        | 1              |           |              |                      |              |              |                      | 4              |        |            |
| 39<br>40<br>41<br>42<br>43<br>44   | Load Co                 | ondition | Max. Shear           | Max.                     |                | Max. Sh   |              | Max.                 |              |              | Shear N              | Лах.           |        | Neight     |
| 39<br>40<br>41<br>42<br>43<br>44<br>45   | Load Co                 | ondition | Max. Shear<br>@ Base | Max.<br>Moment @         | Weight         | @ Bas     | e l          | Moment @             | Weig         | ht g         | Shear Mon            | nent @         | '      | 44.1       |
| 39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47   | Load Co                 | ondition | Max. Shear           | Max.<br>Moment @<br>Base | Weight<br>(Kg) |           | e l          | Moment @<br>Base     | Weig<br>(Kg) | ht g         | Shear Mon  Base (Kg) | nent @<br>Base | `      | (Kg)       |
| 39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47   | Load Co                 |          | Max. Shear<br>@ Base | Max.<br>Moment @         | _              | @ Bas     | e l          | Moment @             | _            | ht g         | Shear Mon  Base (Kg) | nent @         | ١      | (Kg)       |
| 39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48                                     | Load Co                 | уре      | Max. Shear<br>@ Base | Max.<br>Moment @<br>Base | _              | @ Bas     | e l          | Moment @<br>Base     | _            | ht g         | Shear Mon  Base (Kg) | nent @<br>Base | \      | (Kg)       |
| 39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>50                               | Load Co                 | ype<br>D | Max. Shear<br>@ Base | Max.<br>Moment @<br>Base | _              | @ Bas     | e l          | Moment @<br>Base     | _            | ht g         | Shear Mon  Base (Kg) | nent @<br>Base | \      | (Kg)       |
| 39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>50<br>51                         | Load Co                 | ype<br>D | Max. Shear<br>@ Base | Max.<br>Moment @<br>Base | _              | @ Bas     | e l          | Moment @<br>Base     | _            | ht g         | Shear Mon  Base (Kg) | nent @<br>Base | \      | (Kg)       |
| 39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>50<br>51<br>52                         | Load T<br>WINI<br>SEISM | ype<br>D | Max. Shear<br>@ Base | Max.<br>Moment @<br>Base | _              | @ Bas     | e l          | Moment @<br>Base     | _            | ht g         | Shear Mon  Base (Kg) | nent @<br>Base |        | (Kg)       |
| 39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>50<br>51<br>52<br>53             | Load Co                 | ype<br>D | Max. Shear<br>@ Base | Max.<br>Moment @<br>Base | _              | @ Bas     | e l          | Moment @<br>Base     | _            | ht g         | Shear Mon  Base (Kg) | nent @<br>Base | \      | (Kg)       |
| 39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>51<br>52<br>53<br>54             | Load Co                 | ype<br>D | Max. Shear<br>@ Base | Max.<br>Moment @<br>Base | _              | @ Bas     | e l          | Moment @<br>Base     | _            | ht g         | Shear Mon  Base (Kg) | nent @<br>Base | \      | (Kg)       |
| 39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>50<br>51<br>52<br>53<br>55<br>55 | Load Co                 | ype<br>D | Max. Shear<br>@ Base | Max.<br>Moment @<br>Base | _              | @ Bas     | e l          | Moment @<br>Base     | _            | ht g         | Shear Mon  Base (Kg) | nent @<br>Base | \      | (Kg)       |
| 39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>49<br>51<br>52<br>55<br>55<br>57       | Load Co                 | ype<br>D | Max. Shear<br>@ Base | Max.<br>Moment @<br>Base | _              | @ Bas     | e l          | Moment @<br>Base     | _            | ht g         | Shear Mon  Base (Kg) | nent @<br>Base | \      | (Kg)       |
| 39<br>40<br>41<br>43<br>44<br>45<br>46<br>47<br>48<br>50<br>51<br>55<br>55<br>56<br>57<br>58 | Load Co                 | ype<br>D | Max. Shear<br>@ Base | Max.<br>Moment @<br>Base | _              | @ Bas     | e l          | Moment @<br>Base     | _            | ht g         | Shear Mon  Base (Kg) | nent @<br>Base | \      | (Kg)       |
| 39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>50<br>51<br>55<br>55<br>57<br>58<br>59 | Load Co                 | ype<br>D | Max. Shear<br>@ Base | Max.<br>Moment @<br>Base | _              | @ Bas     | e l          | Moment @<br>Base     | _            | ht g         | Shear Mon  Base (Kg) | nent @<br>Base | •      | (Kg)       |
| 39<br>40<br>41<br>43<br>44<br>45<br>46<br>47<br>48<br>50<br>51<br>55<br>55<br>56<br>57<br>58 | Load Co                 | ype<br>D | Max. Shear<br>@ Base | Max.<br>Moment @<br>Base | _              | @ Bas     | e l          | Moment @<br>Base     | _            | ht g         | Shear Mon  Base (Kg) | nent @<br>Base |        | (Kg)       |



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## نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

## احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

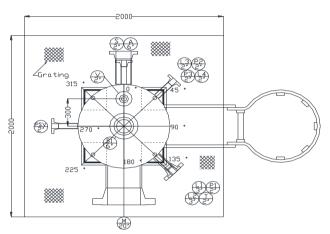
#### MECHANICAL DATA SHEETS FOR 2nd STAGE G.C. SUCTION DRUMS

صادر کننده بسته کاری تسهيلات نوع مدرك سريال شماره پیمان: پروژه 0004 BK GCS PEDCO 120 ME DT D04

شماره صفحه: ۱ از ۸

## Mech. Data Sheet For 2nd Stage G.C. Suction Drums (V-2102 A/B/C) / sheet 3 of 4

# Sketch El. 2850 (P3) Demister —ID 900-48 EI. 1000 El. 200 (3)



Orientation View
Unientation View will be finalized later by piping department

Elevation View will be finalized later by piping department

All dimensions are in mm.

Base Elevation



## نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

## احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

MECHANICAL DATA SHEETS FOR 2nd STAGE G.C. SUCTION DRUMS



صادر کننده بسته کاری پروژه شماره پیمان: تسهيلات نوع مدرك رشته سريال نسخه •0T - •YT - 91AF GCS PEDCO 120 0004 D04 ME DT

شماره صفحه: ۸ از ۸

| _                                    |                           |   |                  |                      |                    |                   |  |  |
|--------------------------------------|---------------------------|---|------------------|----------------------|--------------------|-------------------|--|--|
|                                      |                           |   | WE               | IGHT                 |                    |                   |  |  |
| 1<br>2<br>3<br>4<br>5                |                           | WEIGHT CON<br>DATA SHEE<br>SI UNIT *                                    | ΕT               | 1/1                  |                    |                   |  |  |
|                                      | Service :                 | 2nd Stage G.C. Suc  | tion Drums       | Location :           | Bushehr (Bina)     | k Oilfield)       |  |  |
| 7                                    | Type :                    |   |                  | Quotation No. :      |                    |                   |  |  |
|                                      | No. trains : No. stages : |   |                  | Serial No. :         |                    |                   |  |  |
| 0                                    | Supplier :                |   |                  |                      |                    |                   |  |  |
|                                      | Manufacturer : Model :    |   |                  |                      |                    |                   |  |  |
| 3 4 5                                |                           | o be completed by ed  | quipment vendor. | 1                    |                    |                   |  |  |
| 3                                    |                           |   | Total            | weight (kg) *        |                    |                   |  |  |
| 7<br>8                               | Fabrication               | Erection  | Operation        | Hydrostatic Test     | Removable internal | Ladder & Platform |  |  |
| 9                                    |                           |   |                  |                      |                    |                   |  |  |
| 0<br>1                               |                           |   |                  |                      |                    |                   |  |  |
| 2                                    |                           |   |                  |                      |                    |                   |  |  |
| 3<br>4                               |                           | WEIGHT  |                  | OF G DATA REQUIRED * | CENTER OF GRAV     | /ITV (mm)         |  |  |
| 5                                    | CONDITION                 | ACCURACY  |                  |                      |                    | Z                 |  |  |
| ŝ                                    | Dry                       |   |                  |                      |                    |                   |  |  |
| 7<br>8                               | <u> </u>                  |   |                  |                      |                    |                   |  |  |
| 9                                    |                           |   |                  | N/ETOU               |                    |                   |  |  |
| 0<br>1                               |                           |   |                  | KETCH                |                    |                   |  |  |
| 2<br>3<br>4<br>5<br>6<br>7<br>8<br>9 |                           | Y   | *Pag<br>+        | e 1                  |                    |                   |  |  |
| 0 1 2 3                              |                           | <b>↓</b> L  | PLÁN             |                      | +                  |                   |  |  |
| 4<br>5<br>6<br>7                     | ŀ                         | ₹ Z   | ELEVATION        |                      | UNDERSIDE OF BASE  | : <u> </u>        |  |  |
| 8<br>9<br>0                          |                           | -   | L                |                      |                    |                   |  |  |
| 2                                    |                           |   |                  | NOTES                |                    |                   |  |  |
| 3<br>4<br>5<br>6                     | 2) Any spreader b         | to be load tested and<br>leam to be load teste<br>plan for skid mounted |                  | d by the Vendor.     |                    |                   |  |  |
| 7<br>8                               |                           |   |                  |                      |                    |                   |  |  |
| 9                                    |                           |   |                  |                      |                    |                   |  |  |
|                                      |                           |   |                  |                      |                    |                   |  |  |