

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 	
	MECHANICAL DATA SHEETS FOR GLYCOL SUMP DRUM								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادرکننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT	سریال 0036	نسخه D03	شماره صفحه: ۱ از ۸

طرح نگهداشت و افزایش تولید ۲۷ مخزن

MECHANICAL DATA SHEETS FOR GLYCOL SUMP DRUM

نگهداشت و افزایش تولید میدان نفتی بینک

D03	SEP.2024	IFA	V.Amjadi	M.Fakharian	M. Sadeghian	
D02	SEP.2023	IFA	S.Salehi	M.Fakharian	A.M.Mohseni	
D01	SEP.2022	IFA	H.Adineh	M.Fakharian	M.Mehrshad	
D00	DEC.2021	IFC	H.Adineh	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class:1

CLIENT Doc. Number: F0Z-709383

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



NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

MECHANICAL DATA SHEETS FOR GLYCOL SUMP DRUM



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

پروژه

BK

بسته کاری

GCS

صادرکننده

PEDCO

تجهیزات

120

رشته

ME

نوع مدرک

DT

سریال

0036

نسخه



D03

شماره صفحه: ۲ از ۸



REVISION RECORD SHEET

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1	X	X	X	X	
2	X	X	X	X	
3	X	X			
4	X				
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 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض							
	احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							
	MECHANICAL DATA SHEETS FOR GLYCOL SUMP DRUM							
شماره پیمان:	پروژه	صادرکننده	تسهیلات	رشته	نوع مدرک	سرئال	نسخه	شماره صفحه: ۸ از ۳
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	ME	DT	0036	

General Notes	
Rev	
	<ol style="list-style-type: none"> The Asterisk * denotes information and/or confirmation required from VENDOR. The Vendor shall be fully responsible for the complete mechanical design and supply of the vessel. 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. VENDOR shall include for the services of a independent verification body for mechanical design, stage inspection, testing and stamping of the equipment (if possible). Access Ladder & Platform to be considered . Painting and coating (internal & external) shall be as per project "Specification for Painting, Doc. No. BK-GNRAL-PEDCO-000-PI-SP-0006" and "Specification for Lining (Internal Protection of Equipment by painting), Doc. No. BK-GNRAL-PEDCO-000-PI-SP-0007". Flanges shall comply with ANSI B16.5. Series A. Nozzle bolt holes shall stradle the natural centerlines. VENDOR to confirm maximum allowable nozzle loads and moments. RF: Raised Face, WN: Welding Neck 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). 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 1.5x Safe Working Load (SWL) and shall be marked accordingly. Loads at support base, Shall be calculated and determined by vendor. Location and number of lifting lugs on vessels shall be specified on VENDOR drawing. All external bolts and nuts shall be hot dip galvanized. Internal bolts and nuts shall be stainless steel. All material, corrosion allowance and their suitability for the process fluid at design pressure and temperature to be confirmed by vendor. The vendor shall be responsible for mechanical strength of the equipment based on mentioned condition in data sheets. All nozzle locations and orientations will be finalized later. Instrumentation items are excluded from vendor's scope of supply. Any changes in material of construction, location & orientation of the nozzles shall be confirmed by client. Structural surfaces of stainless steel internals shall be pickled & passivated. All dimensions shown are in mm unless otherwise indicated. All nozzle sizes are in inch. All materials shall be new and unused. 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 suarfaces. Flange faces shall be protected by wooden or plastic dummy flanges. Fabrication tolerances for vessel shall be in accordance with requirement of ASME code. All items shall be clearly match marked against vessel drawings to facilitate erection. The elevation of equipment's nozzels should be specified as follows : <ol style="list-style-type: none"> For vertical vessels : from bottom T.L. For horizontal vessels : from Left T.L. Vendor shall supply details of all welding connections and give general specification of used materials. Specified accessories and attachments shall be supplied by vendor. Gasket shall be spiral wound type, graphite filled with inner ring S.S.316 and outer ring S.S. Deleted. Deleted. Equipment packaging, preparation for shipment and delivery shall be in accordance with the project Packing, Marking, Transportation Procedure Transportation Procedure Doc. No. "BK-GNRAL-PEDCO-000-QC-PR-0045".

 NISOC	<p style="text-align: center;">نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض</p> <p style="text-align: center;">احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک</p> <p style="text-align: center;">MECHANICAL DATA SHEETS FOR GLYCOL SUMP DRUM</p>								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته ME	نوع مدرک DT	سریال 0036	نسخه D03	شماره صفحه: ۴ از ۸

Rev	General Notes (Cont'd)
	<p>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".</p> <p>31. Elliptical heads shall be Ultrasonic Tested for lamination after forming.</p> <p>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 tangent line and centerline respectively.</p> <p>33. Deleted</p> <p>34. 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".</p> <p>35. Minimum requirement for pre-commissioning, commissioning, start up and two years operation spare parts shall be in accordance with document E&C-QC-SP-1.</p> <p>36. Nozzle loads shall be in accordance with Specification for Pressure Vessels, Doc. No. BK-GNRAL-PEDCO-ME-SP-0001.</p> <p>37. All nozzles must be vertical or horizontal and not perpendicular or parallel to vessel center line.</p> <p>38. 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.</p> <p>39. Design pressure specified is at top of vessels. VENDOR design shall include static head for vessels flooded with specific gravity of the handled liquid.</p> <p>40. VENDOR is to maximize shop fabrication based on the following transportation limits:</p> <ul style="list-style-type: none"> - 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 <p>For items with dimensions and weights greater than the road capacity specified above, VENDOR may be required to split the package into several components.</p> <p>41. All external attachments directly welded to the pressure part shall be the same material as vessel grade.</p>



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

MECHANICAL DATA SHEETS FOR GLYCOL SUMP DRUM



شماره پیمان:

• 03 - • 73 - 9184

پروژہ

4 کاری

سازگار کننده

سهیلات

روشته

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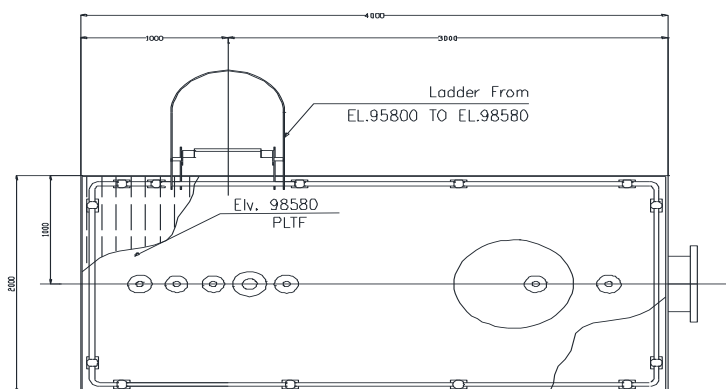
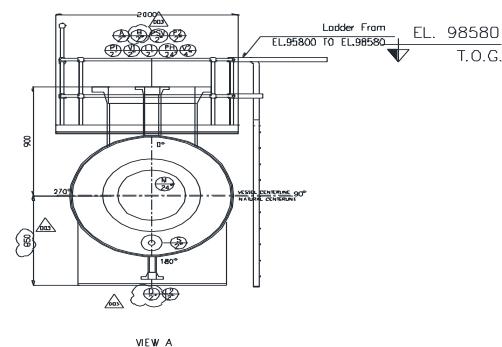
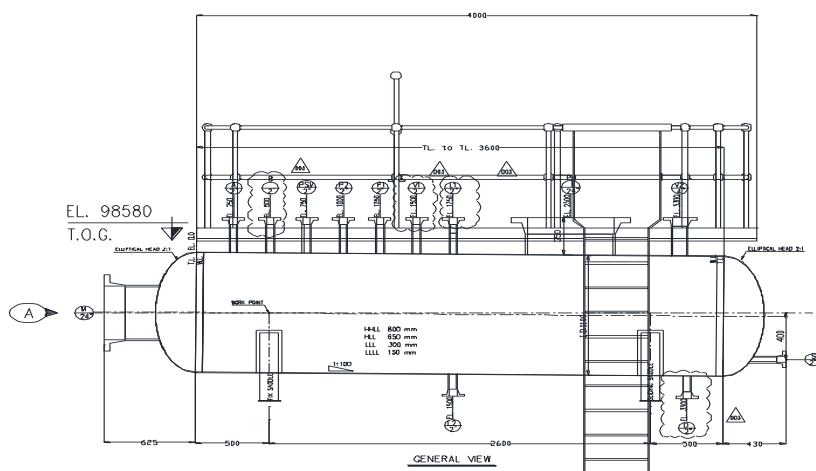
نسخه

شماره صفحه: ۷ از ۸

Mech. Data Sheet For Glycol Sump Drum (V-2107) / sheet 3 of 4

Sketch

D03





NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

MECHANICAL DATA SHEETS FOR GLYCOL SUMP DRUM



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

پروژه

BK

بسته کاری

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شماره صفحه: ۸ از ۸

Mech. Data Sheet For Glycol Sump Drum (V-2107) / sheet 4 of 4

Rev.	WEIGHT						Rev.
1	WEIGHT CONTROL DATA SHEET SI UNIT *					1/1	
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5							
6	Service : <i>Glycol Sump Drum</i>				Location : <i>Bushehr (Binak Oilfield)</i>		
7	Type :				Quotation No. :		
8	No. trains :				Serial No. :		
9	No. stages :						
10	Supplier :						
11	Manufacturer :						
12	Model :						
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14	Note: Information to be completed by equipment vendor.						
15							
16	Total weight (kg) *						
17	Fabrication	Erection	Operation	Hydrostatic Test	Removable internal	Ladder & Platform	
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23	WEIGHT AND C OF G DATA REQUIRED (9)						
24	CONDITION	WEIGHT ACCURACY %	WEIGHT (kg)	CENTER OF GRAVITY (mm)			
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52	NOTES						
53	1) All lifting points to be load tested and certified.						
54	2) Any spreader beam to be load tested and certified.						
55	3) Lifting / rigging plan for skid mounted equipment to be provided by the Vendor.						
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