







### احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

**NISOC** 

MECHANICAL DATA SHEETS FOR FLARE K.O. DRUM

شماره پیمان: ۹۱۸۶ – ۰۷۳ – ۰۵۳

پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرك	سريال	نسخه
BK	GCS	PEDCO	120	ME	DT	0012	D03

شماره صفحه: ۱ از ۸

# طرح نگهداشت و افزایش تولید ۲۷ مخزن

### MECHANICAL DATA SHEETS FOR FLARE K.O. DRUM

# نگهداشت و افزایش تولید میدان نفتی بینک

D03	SEP.2024	IFA	V.Amjadi	M.Fakharian	M.Sadeghian	
D02	JUL.2023	IFA	H.Adineh	M.Fakharian	A.M.Mohseni	
D01	SEP.2022	IFA	H.Adineh	M.Fakharian	M.Mehrshad	
D00	JAN.2022	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:	F07-708843	•		

Class: 1 CLIENT Doc. Number: F0Z-7088

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

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D01

D02

Page

# احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

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شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
٤٨١٤ - ٧٣ - ٣١٠٤	BK	GCS	PEDCO	120	ME	DT	0012	D03

D03

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۱۸۶ - ۲۷۰ - ۳۵۰

# نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

### احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

# MECHANICAL DATA SHEETS FOR FLARE K.O. DRUM

ىستە كارى صادر کننده تسصلات د شته فوع مدرك نسخه ي وژه سريال GCS **PEDCO** DT D03 RΚ 120 MF 0012



شماره صفحه: ۱۳ز ۸

#### **General Notes**

#### Rev

- 1. The Asterisk \* denotes information and/or confirmation required from VENDOR. The Vendor shall be fully responsible for the complete mechanical design, preparing calculation book and supply of the vessel. The vessel shall be supplied in accordance with project 'Specification for Pressure Vessels', Doc. No. BK-GNRAL-PEDCO-000-ME-SP-0001. The manufacturer shall calculate thickness and loads of the vessel.
- 2. 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.
- 3. VENDOR shall include for the services of an independent verification body for mechanical design, stage inspection, testing and stamping of the equipment (if possible).
- 4. Access Ladder & Platform to be considered .

شماره پیمان:

- 5. 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, Doc. No. BK-GNRAL-PEDCO-000-PI-SP-0007.
- 6. Flanges shall comply with ANSI B16.5. Nozzle bolt holes shall straddle the natural centerlines for horizontal nozzles. VENDOR to confirm maximum allowable nozzle loads and moments. (RF: Raised Face, WN: Welding Neck, LWN: Long Weld Neck)
- 7. 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).
- 8. 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.
- 9. Loads at support base, Shall be calculated and determined by vendor.
- 10. Location and number of lifting lugs on vessels shall be specificed on VENDOR drawing.
- 11. All external bolts and nuts shall be hot dip galvanized. Internal bolts and nuts shall be stainless steel.
- 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 will 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 dimensions shown are in mm unless otherwise indicated. All nozzle sizes are in inch.
- 18. All removable internals should be passed through manhole.
- 19. All materials shall be new and unused.
- 20. 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.
- 21. Fabrication tolerances for vessel shall be in accordance with requirement of ASME code.
- 22. All items shall be clearly match marked against vessel drawings to facilitate erection.
- 23. 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.
- 24. Vendor shall supply details of all welding connections and give general specification of used materials.
- 25. Specified accessories and attachments shall be supplied by vendor.
- 26. Gasket shall be spiral wound type, graphite filled with inner ring S.S.316 and outer ring S.S. 316L







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### احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک MECHANICAL DATA SHEETS FOR FLARE K.O. DRUM

شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه
	BK	GCS	PEDCO	120	ME	DT	0012	D03

شماره صف**ح**ه: ٤ از ٨

### General Notes (Cont'd)

#### Rev

- 27. Fire proofing requirement will be specified as per result of fire proofing zone layout. "Area Classification: Zone 2, IIB, T3"
- 28. Deleted.
- 29. 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".
- 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.
- 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. Deleted
- 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".
- 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. 🗵
- 36. Two M12 earthing lugs shall be provided on vessel support. Material of earthing lugs shall be S.S. 316. 2
- 37. The material shall be in compliance with NACE MR0175/ISO15156 and Specification for Material Requirements in Sour Service, Doc.No. BK-GNRAL-PEDCO-000-PI-SP-0008.
- 38. 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 %

- 39. All carbon steel material shall be fully killed, fine grain treated and supplied in the normalized condition.
- 40. All nozzles must be vertical or horizontal and not perpendicular or parallel to vessel center line.
- 41. 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.
- 42. Design pressure specified is at top of vessels. VENDOR design shell include static head for vessels flooded with specific gravity of the handled liquid.
- 43. VENDOR is to maximize shop fabrication based on the following transportation limits:
  - 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.

- 44. All external attachments directly welded to the pressure part shall be the same material as vessel grade.
- 45. VENDOR to advise (VTA) internal for inlet nozzle.



**NISOC** 

۱۸۶ – ۲۷۰ – ۱۸۶

# نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

# احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

### MECHANICAL DATA SHEETS FOR FLARE K.O. DRUM

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

 BK
 GCS
 PEDCO
 120
 ME
 DT
 0012
 D03



شماره صفحه: ٥ از ٨

		Mechanical Data Sheets For FLARE	K.O. DRUM (V-2201) / sheet 1 of 4	
		DATA S	SHEET	
1	Description : Flare I	K.O. Drum		
2	Tag No. : V-2201		Quantity : 1 Set	
3	Type : Pressu	re Vessel		
4	31		Design Data D03	
5	Contents	HC, H2O, CO2, H2S	Corrosive / Erosive	
6	Operating Temp. (°C)	32	Liquid Flow (kg/h)	
7	Operating Press. (barg)	0.5	Vap. Molec. Weight (kg/kmol)	
8	Gas Flow (kg/h)		Liquid Sp. Gravity	0.617~1
9	Liquid Viscosity (cP)		Service:	Sour Service
10	1 , , ,	Mochanica		Sour Service
			Vessel Orientation	
	Design Temp. (°C)	85		Horizontal
	Design Press. (barg)	6	,	
	Test Press. (barg)	Per Code & Specification	Nor. Liquid Vol. (m	
	Internal Vacuum (barg)	F.V.	In. Dia. Of Boots (mr	
	In. Dia. of Shell (mm)	1000	Boot Length (mr	n) N/A
16	Tan/Tan Dim. (mm)	3000	Boot Head Type	N/A
17	Vessel Head Type	2:1 elliptical	Corr. Allowance (mr	n) 3.2
18	Shell Wall Thk. (mm)	*	Joint Efficiency	0.85 Shell / 1 Head
19	Head Wall Thk. (mm)	* (After Forming)	Ambient Temp. (°C	2)
		Site Class: D. Code: ASCE 7-10	·	
20	Seismic Design	,	MDMT (°c	-29
١		Fa=1,FV=1.33,S1=0.46,Ss=1.125,I=1.25	Institution Descripted	N.
	U	Speed: 232 Km/hr (Max.), Code: ASCE 7-10	Insulation Required	No
22			erials	
	Code	ASME II / ASTM	Nozzle Necks:	
24	Shell	A 516 Gr. 70 N	Pipes	A 106 Gr.B
25		A 516 Gr. 70 N	Plates	A 516 Gr.70 N
26	Lining / Cladding	P2	Forgings	A 105 N
27	Skirt (Top / Bottom)	A 516 Gr. 70 / A 283 Gr. C	Flanges	A 105 N
	Platform Gratings	Hot Dip Galvanized C.S.	Fittings	A 234 Gr. WPB
	Gaskets	Note 26	External Bolts	A 193 Gr. B7 (Note 11)
	Lifting Lugs	A 516 Gr.70 / A 283 Gr. C	External Nuts	A 194 Gr. 2H (Note 11)
		A 516 Gr.70 N	Internal Bolts / Nuts	A 194 Of. 211 (Note 11)
	Reinforcing Pads			0.0.216
	Ladder & Platform	C.S.	Name Plate	S.S. 316
33				
34		REFERENCE STAND	DARDS & DOCUMENTS	
	Mechanical Design Code		ASME Sec VIII Div	
	Specification for Pressure Ve	essels	BK-GNRAL-PEDC	
	Process Basis of Design		BK-GNRAL-PEDC	O-000-PR-DB-0001
38	Piping & Instrument Diagram	(P&ID)	BK-GCS-PEDCO	
	Specification for Painting		BK-GNRAL-PEDC	O-000-PI-SP-0006
	Specification for Insulation		BK-GNRAL-PEDC	
_		uirements in Sour service	BK-GNRAL-PEDC	
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42		Eabrication and Incr	naction Requirements	
42 43			pection Requirements	
42 43 44	Inspection Authority	TPI & Client	•	in and Australia
42 43 44 45	Inspection Authority Material Certification	TPI & Client In Accordance with BS EN 10204:2004, T	Type 3.1, Minimum for Pressure Contain	
42 43 44 45 46	Inspection Authority Material Certification Hydro Test Medium	TPI & Client In Accordance with BS EN 10204:2004, 1 Water	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure	Yes; Per Code & Spec. Requirements
42 43 44 45 46 47	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment	TPI & Client In Accordance with BS EN 10204:2004, T Water Yes; Per Code & Spec. Requir.	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT	Yes;Per Code & Spec. Requirements 100%
42 43 44 45 46 47 48	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT	TPI & Client In Accordance with BS EN 10204:2004, T Water Yes; Per Code & Spec. Requir. 100 % on Lifting Lug Fillet Welds	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT	Yes; Per Code & Spec. Requirements
42 43 44 45 46 47	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT	TPI & Client In Accordance with BS EN 10204:2004, T Water Yes; Per Code & Spec. Requir. 100 % on Lifting Lug Fillet Welds 100 % On T-Joints and Head Joint.	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds,	Yes;Per Code & Spec. Requirements 100%
42 43 44 45 46 47 48	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT	TPI & Client In Accordance with BS EN 10204:2004, T  Water  Yes; Per Code & Spec. Requir.  100 % on Lifting Lug Fillet Welds  100 % On T-Joints and Head Joint.  Spot On Shell Longitudinal and O	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds,	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements
42 43 44 45 46 47 48 49	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT RT	TPI & Client In Accordance with BS EN 10204:2004, T  Water  Yes; Per Code & Spec. Requir.  100 % on Lifting Lug Fillet Welds  100 % On T-Joints and Head Joint.  Spot On Shell Longitudinal and O	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds,	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements
42 43 44 45 46 47 48 49 50	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT RT	TPI & Client In Accordance with BS EN 10204:2004, The Water  Yes; Per Code & Spec. Requir. 100 % on Lifting Lug Fillet Welds 100 % On T-Joints and Head Joint. Spot On Shell Longitudinal and Company of the Welds of	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds, & Fabricated Nozzle Neck Longitudinal	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements Butt-Welds,
42 43 44 45 46 47 48 49 50 51	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT RT RT Report	TPI & Client In Accordance with BS EN 10204:2004, T  Water  Yes; Per Code & Spec. Requir.  100 % on Lifting Lug Fillet Welds  100 % On T-Joints and Head Joint.  Spot On Shell Longitudinal and C  100 % On Nozzle Neck to Flange & Yes; Per Code & Spec. Requir.	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds, & Fabricated Nozzle Neck Longitudinal PT Report	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements Butt-Welds, Yes;Per Code & Spec. Requirements
42 43 44 45 46 47 48 49 50 51 52	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT RT RT Report MT Report	TPI & Client In Accordance with BS EN 10204:2004, To Water  Yes; Per Code & Spec. Requir. 100 % on Lifting Lug Fillet Welds 100 % On T-Joints and Head Joint. Spot On Shell Longitudinal and C 100 % On Nozzle Neck to Flange & Yes; Per Code & Spec. Requir. Yes; Per Code & Spec. Requir.	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds, & Fabricated Nozzle Neck Longitudinal PT Report UT Report	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements Butt-Welds, Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements
42 43 44 45 46 47 48 49 50 51 52 53 54	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT RT RT Report MT Report Fabrication Quality Control I	TPI & Client In Accordance with BS EN 10204:2004, 1 Water Yes; Per Code & Spec. Requir. 100 % on Lifting Lug Fillet Welds 100 % On T-Joints and Head Joint. Spot On Shell Longitudinal and Company of the Spec. Requir. Yes; Per Code & Spec. Requir. Yes; Per Code & Spec. Requir. Plan (With Offer)	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds, & Fabricated Nozzle Neck Longitudinal PT Report UT Report	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements Butt-Welds, Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements
42 43 44 45 46 47 48 49 50 51 52 53 54 55	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT RT RT Report MT Report Fabrication Quality Control I Welding Procedure Review	TPI & Client In Accordance with BS EN 10204:2004, 1 Water Yes; Per Code & Spec. Requir. 100 % on Lifting Lug Fillet Welds 100 % On T-Joints and Head Joint. Spot On Shell Longitudinal and Company of the Spec. Requir. Yes; Per Code & Spec. Requir. Yes; Per Code & Spec. Requir. Plan (With Offer)	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds, & Fabricated Nozzle Neck Longitudinal UT Report UT Report Ye	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements Butt-Welds, Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT RT RT Report MT Report Fabrication Quality Control F Welding Procedure Review Surface Preparation & Coati	TPI & Client In Accordance with BS EN 10204:2004, T  Water  Yes; Per Code & Spec. Requir.  100 % on Lifting Lug Fillet Welds  100 % On T-Joints and Head Joint.  Spot On Shell Longitudinal and C  100 % On Nozzle Neck to Flange &  Yes; Per Code & Spec. Requir.  Yes; Per Code & Spec. Requir.  Plan (With Offer)  / Approval	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds, & Fabricated Nozzle Neck Longitudinal UT Report UT Report VSecification for Painting Doc. No. "B	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements Butt-Welds, Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT RT RT Report MT Report Fabrication Quality Control Febrication Quality Control Welding Procedure Review Surface Preparation & Coati	TPI & Client In Accordance with BS EN 10204:2004, T  Water  Yes; Per Code & Spec. Requir.  100 % on Lifting Lug Fillet Welds  100 % On T-Joints and Head Joint.  Spot On Shell Longitudinal and C  100 % On Nozzle Neck to Flange &  Yes; Per Code & Spec. Requir.  Yes; Per Code & Spec. Requir.  Plan (With Offer)  / Approval	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds, & Fabricated Nozzle Neck Longitudinal UT Report UT Report Ye	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements Butt-Welds, Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT RT RT Report MT Report Fabrication Quality Control Febrication Quality Control Welding Procedure Review Surface Preparation & Coati	TPI & Client In Accordance with BS EN 10204:2004, T  Water  Yes; Per Code & Spec. Requir.  100 % on Lifting Lug Fillet Welds  100 % On T-Joints and Head Joint.  Spot On Shell Longitudinal and C  100 % On Nozzle Neck to Flange &  Yes; Per Code & Spec. Requir.  Yes; Per Code & Spec. Requir.  Plan (With Offer)  / Approval	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds, & Fabricated Nozzle Neck Longitudinal UT Report UT Report VSecification for Painting Doc. No. "B	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements Butt-Welds, Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT  RT  RT Report MT Report Fabrication Quality Control I Welding Procedure Review Surface Preparation & Coatil	TPI & Client In Accordance with BS EN 10204:2004, T  Water  Yes; Per Code & Spec. Requir.  100 % on Lifting Lug Fillet Welds  100 % On T-Joints and Head Joint.  Spot On Shell Longitudinal and C  100 % On Nozzle Neck to Flange &  Yes; Per Code & Spec. Requir.  Yes; Per Code & Spec. Requir.  Plan (With Offer)  / Approval	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds, & Fabricated Nozzle Neck Longitudinal UT Report UT Report VSecification for Painting Doc. No. "B	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements Butt-Welds, Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT RT RT Report MT Report Fabrication Quality Control F Welding Procedure Review Surface Preparation & Coati	TPI & Client In Accordance with BS EN 10204:2004, T  Water  Yes; Per Code & Spec. Requir.  100 % on Lifting Lug Fillet Welds  100 % On T-Joints and Head Joint.  Spot On Shell Longitudinal and C  100 % On Nozzle Neck to Flange &  Yes; Per Code & Spec. Requir.  Yes; Per Code & Spec. Requir.  Plan (With Offer)  / Approval	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds, & Fabricated Nozzle Neck Longitudinal UT Report UT Report VSecification for Painting Doc. No. "B	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements Butt-Welds, Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT RT RT Report MT Report Fabrication Quality Control F Welding Procedure Review Surface Preparation & Coati	TPI & Client In Accordance with BS EN 10204:2004, T  Water  Yes; Per Code & Spec. Requir.  100 % on Lifting Lug Fillet Welds  100 % On T-Joints and Head Joint.  Spot On Shell Longitudinal and C  100 % On Nozzle Neck to Flange &  Yes; Per Code & Spec. Requir.  Yes; Per Code & Spec. Requir.  Plan (With Offer)  / Approval	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds, & Fabricated Nozzle Neck Longitudinal UT Report UT Report VSecification for Painting Doc. No. "B	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements Butt-Welds, Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements
42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59	Inspection Authority Material Certification Hydro Test Medium Post Weld Heat Treatment MT RT RT Report MT Report Fabrication Quality Control Welding Procedure Review Surface Preparation & Coati	TPI & Client In Accordance with BS EN 10204:2004, T  Water  Yes; Per Code & Spec. Requir.  100 % on Lifting Lug Fillet Welds  100 % On T-Joints and Head Joint.  Spot On Shell Longitudinal and C  100 % On Nozzle Neck to Flange &  Yes; Per Code & Spec. Requir.  Yes; Per Code & Spec. Requir.  Plan (With Offer)  / Approval	Type 3.1, Minimum for Pressure Contain Hydro Test Procedure PT UT s Butt-Welds, Circumferential Joints Butt-Welds, & Fabricated Nozzle Neck Longitudinal UT Report UT Report VSecification for Painting Doc. No. "B	Yes;Per Code & Spec. Requirements 100% Yes;Per Code & Spec. Requirements Butt-Welds, Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements Yes;Per Code & Spec. Requirements



# نگهداشت و افزایش تولید میدان نفتی بینک

# سطح الارض



# NISOC

# احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

IECHANICAL DATA SHEETS FOR FLARE K.O. DRU	м
ILONANICAL DATA ONLLETO I ON I LANE N.O. DNO	

	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدرك	سريال	نسخه
۱۸۶ – ۲۲۰ – ۳۵۰		BK	GCS	PEDCO	120	ME	DT	0012	D03

شماره صفحه: ٦ از ٨

					Mechanic	al Data Sh	eets For FL	ARE	K.O. DRUM (V	·2201) / sł	neet 2 of	4			
lev.					ACCES	SORIES	NO77	LES	S LIST & LC	)ADS @	BASI	<del></del>			
ev.	1				ACCES				achments (/			<u> </u>			
	2	Supportin	g Saddles	i			YES		Name Plate						YES
	3	Access La	adder & P	atform (Note	4)		YES		Name Plate						YES
	4	Insulation	Support				NO		Earthing Lug	(Note	30)				YES
	5	Insulation					NO NO		Tailing Lug	-44:	(O = ==:f:	-:-! A!>	(NI= (= O)		NO
	6 7	Insulation		rt (Note 27)			NO		Anchor Bolts		(Sacrific	cial Anodes)	Note 2)		NO NO
	8	Lifting Lu		1 (14016-27)		$\overline{}$	YES		Instrumenta						NO
	9	Internal/ E	External C	lips		D03	YES		Skid						NO
03	10			•	2	, po3 /	NO		Support Clip						YES
	11						NO		Vortex Brea						YES
	12 13			Painting)			YES		Rung & Grip Heating Coil						YES NO
	14	internal L	illing (by i	-anung)			ILO		nealing Con						NO
	15														
	16														
	17						Nozzles List (Note 1)								
	18 19		l	1		I		es L				Drai (mm	\   Dointo	rcement	
	20	Mark	Qty.	Des	cription	Size	Pipe Thk.	Sc		Flange Rate.	Face	Proj. (mm (Note 32)	Thk.	O.D.	Remarks
03		A	1		Inlet	10"		-	WN	#150	RF	See DWG	11110	0.5.	
	22	B1	1	Liqui	id Outlet	2"	D03		WN	#150	RF	707			
003		B2	1		s Outlet	12"			WN	#150	RF	807			
	24	V1	1		tilation	6"			WN	#150	RF	See DWG			
	25 26	V2 P	1		Vent ure Gauge	2" 2"			WN WN	#150	RF RF	See DWG See DWG			
	27	T	1	Temper	ature Gauge	2"			WN	#300	RF	See DWG			
	28	L 1,2	2		nd Pipe	3"			WN	#150	RF	See DWG			
	29	M	1	Mo	anhole	20"			WN	#150	RF	See DWG			
	30	D	1		Orain	2"			WN	#150	RF	See DWG			
	31	L 3,4 L 5,6	2 2		ansmitter LL	2"			WN	#300	RF	See DWG			
	32 33	L 5,6 L 7,8	2		nsmitter HH A nsmitter HH B	2"			WN WN	#300	RF RF	See DWG See DWG			
	34	L 9,10	2		ismitter HH C	2"			WN	#300	RF	See DWG			
	35	S	1		Connection	2"			WN	#150	RF	See DWG			
	36														
	37 38														
	39														
	40														
	41														
	42 43					Wind a	nd Seism	ic Lo	ads at Base *	Note(9	)				
	44	Load C	ondition	Em	nty Canditian				pads at Base * Note(9)			т.	esting Cor	dition	
	45		ondition	EM	pty Condition			Operating		ion			esting Cor	idition	
	46	M		Max. Shear	Max.		Max. She	ear	Max.			Max. Shear	∕lax.		
	47 48	- N		@ Base	Moment @	Weight	@ Base	е	Moment @	Weig	nt   @	Rase   IVIOI	nent @	١	Veight
	70	4.0		(Kg)	Base	(Kg)	(Kg)		Base	(Kg)		(Ka) I	Base		(Kg)
	49	* **	Type		(Kg.m)				(Kg.m)			(1-8)	(g.m)		
	49 50		iype \												
	50 51	Load .													
	50 51 52	Load WIN	D					<del>- t</del>							
	50 51 52 53	Load WIN	D												
	50 51 52 53 54	Load WIN	D												
	50 51 52 53 54 55 56	Load WIN	D												
	50 51 52 53 54 55 56 57	Load WIN	D												
	50 51 52 53 54 55 56 57 58	Load WIN	D												
	50 51 52 53 54 55 56 57 58 59	Load WIN	D												
	50 51 52 53 54 55 56 57 58 59 60	Load WIN	D												
	50 51 52 53 54 55 56 57 58 59 60 61	Load WIN	D												
	50 51 52 53 54 55 56 57 58 59 60 61 62	Load WIN	D												
	50 51 52 53 54 55 56 57 58 59 60 61	Load WIN	D												



# احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



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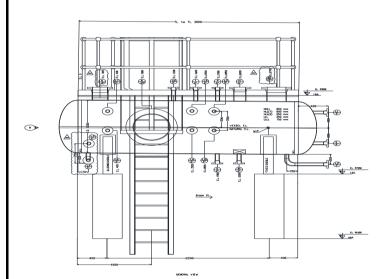
MECHANICAL DATA SHEETS FOR FLARE K.O. DRUM

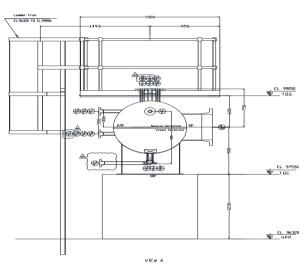
صادر کننده بسته کاری نسخه شماره پیمان: پروژه تسهيلات رشته نوع مدرك سريال ١٨٤ - ٣٠٠ - ٣٥٠ BK GCS PEDCO 120 ME DT 0012 D03

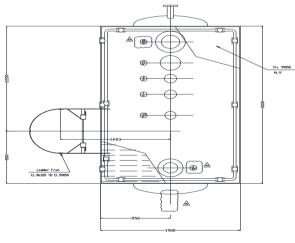
شماره صفحه: ۱ از ۸

#### Mechanical Data Sheets For FLARE K.O. DRUM (V-2201) / sheet 3 of 4

Sketch







All dimensions are in mm.



# احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



**NISOC** 

60 61 62 MECHANICAL DATA SHEETS FOR FLARE K.O. DRUM

	NIBOC			IVIE	CHANICAL	. DATA SHI	EE 13 FU	K FLAKE K.	O. DRUM				
		شماره پیمان:	پروژه	بسته کاری			رشته	نوع مدر ک	سريال	نسخه		شماره صفحه: ۱۸ز ۸	
	١٨٤ – ٢٧٠ – ٢٥٠		BK	GCS	PEDCO	120	ME	DT	0012	D03			
				Machania	al Data Sha	anto For Fl	ADEKO	D. DRUM (V-2	2204) / abaat	1 of 1			
				Wechanic	ai Data She	ets For FL	ARE N.C	J. DRUM (V-2	2201) / Sneet	4 01 4			
						W	VEIGH1	Τ					
1 2 3 4 5			IGHT CO DATA SH SI UNIT	EET							1/1		
6	Service :	Flare K	K.O. Drum					Location	:	В	ushehr (Bina	k Oilfield)	
7 8	Type : No. trains :							Quotation Serial No					
9	No. stages :							Ochai 110					
0	Supplier : Manufacturer :												
2	Model :												
13 14 15	Note: Information to	o be comp	oleted by	equipme	ent vendor	r.							
16							ıl weigh	nt (kg) *				I	
7 8	Fabrication	Ere	ection		Opera	ation		Hydrostat	ic Test	Removab	le internal	Ladder & Platforn	1
9													
20 21													
2					WEICH	TANDC	OFCI	DATA DEC	NIIDED *				
23 24	CONDITION		WEIGH	HT	WEIGH	WI	EIGHT	DATA REC	KOIKED	CENTE	R OF GRAV	VITY (mm)	
5	CONDITION		ACCURA	CY %			(kg)		Х		Υ	Z	
6 7	Dry												
8												<u> </u>	
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6 7		'			E	ELEVATION				UNI	DERSIDE OF BASE	E	
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2	A) All Professional	4 a h - '	l tagte !	· · · ·			NOTE	S					
53 54	<ol> <li>All lifting points</li> <li>Any spreader b</li> </ol>												
55	3) Lifting / rigging p					e provid	ed by th	ne Vendor.					
6 7													
58													
59													
0													