

نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض







احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

MECHANICAL DATA SHEETS FOR INLET GAS K.O. DRUM

شماره پیمان:	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرك	سريال	نسخه
°- • • • • • • • • • • • • • • • • • • •	BK	GCS	PEDCO	120	ME	DT	0001	D04

شماره صفحه: ۱ از ۸

طرح نگهداشت و افزایش تولید ۲۷ مخزن

MECHANICAL DATA SHEETS FOR INLET GAS K.O. DRUM

نگهداشت و افزایش تولید میدان نفتی بینک

Class 1		CLIENT Dec Number: E07	709922			
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval
D00	DEC.2021	IFC	H.Adineh	M.Fakharian	M.Mehrshad	
D01	JAN.2022	IFA	H.Adineh	M.Fakharian	M.Mehrshad	
D02	SEP.2022	IFA	H.Adineh	M.Fakharian	M.Mehrshad	
D03	JUL.2023	IFA	H.Adineh	M.Fakharian	A.M.Mohseni	
D04	SEP.2024	IFA	V.Amjadi	M.Fakharian	M.Sadeghian	

Class: 1 CLIENT Doc. Number: F0Z-708832

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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شماره صفحه: ۲ از ۸

REVISION RECORD SHEET

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نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



NISOC

MECHANICAL DATA SHEETS FOR INLET GAS K.O. DRUM

	شماره پیمان:	پروژه	بسته کاری	صادر كننده	تسهيلات	رشته	نوع مدرک	سريال	نسخه
۱۸۶ – ۲۲۰ – ۲۵۰		BK	GCS	PEDCO	120	ME	DT	0001	D04

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.
- 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 (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.
- 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)
- All reinforcement pads shall have 1/4" (6mm) tell-tale hole and 1/8" (3mm) vent hole as per Standard Detail Dr M. Sadeghian 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. Deleted.
- 13. The vendor shall be responsible for mechanical strength of the equipment based on mentioned condition in data sheets.
- 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 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. Deleted.
- 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. Deleted.
- 28. Deleted.
- 29. Two M12 earthing bosses shall be provided on vessel support. Material of Earthing Bosses shall be S.S. 316



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احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

MECHANICAL DATA SHEETS FOR INLET GAS K.O. DRUM

صادر كننده تسهيلات نوع مدرك ن...خه پروژه بسته کاری ر شته سريال PEDCO BK GCS 120 ME DT 0001 D04



شماره صفحه: ٤ از ٨

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".
- 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 mMaximum 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. All dimensions are in "mm" unless otherwise specified.
- 42. 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.
- 43. Nozzle loads shall be in accordance with "Specification for pressure vessel, Doc. No.:BK-GNRAL-PEDCO-000-ME-SP-0001".
- 44. DEMISTER specification will be finilized latter.
- 45. 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 %

- 46. All carbon steel material shall be fully killed, fine grain treated and supplied in the normalized condition.
- 47. VENDOR to advise (VTA) internal for inlet nozzle.



شماره پیمان:

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MECHANICAL DATA SHEETS FOR INLET GAS K.O. DRUM

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

 BK
 GCS
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شماره صفحه: ٥ از ٨

· · / ·		B	NICCT		
1	Description : Inlet	Gas K.O. Drum	SHEET		
2	Tag No. : V-21		Quantity : 1 Set		
3		sure Vessel	. 1 500		
4	7.		Design Data		
5	Contents		Corrosive / Erosive	CO2,H2S	
	Operating Temp. (°C)	19.23 - 37.17	Liquid Flow (kg/h)	0.33	
7	Operating Press. (barg)	5.3	Vap. Molec. Weight (kg/kmol)	24.5	
8	Gas Flow (kg/h)	17833	Liquid Sp. Gravity	0.006~0.998	
9	Liquid Viscosity (cP)	0.691 ~ 1.0126	Lethal / SOUR :	Sour, Lethal	
10			sign Data (Note 1)		
11	Design Temp. (°C)	85	Vessel Orientation	Horizontal	
12	Design Press. (barg) Test Press. (barg)	9	HHLL (mm) Nor. Liquid Vol. (m³)	900	
	Test Press. (barg) Internal Vacuum (barg)	Per Code & Spec. Requirements	. , ,	300	
	In. Dia. of Shell (mm)	F.V. 1500	In. Dia. Of Boots (mm) Boot Length (mm)	600	
	Tan/Tan Dim. (mm)	4500	Boot Length (IIIII)	2:1 Elliptical	
	Vessel Head Type	2:1 Elliptical	Corr. Allowance (mm)	2.1 Empheai 6	
12	Shell Wall Thk. (mm)	**	Joint Efficiency	0.85 (Shell) / 1 (Head)	
	Head Wall Thk. (mm)	*	Ambient Temp.(Min. / Max.) (°C		
		Site Class: D. Code: ASCE 7-10		<u></u>	
14 20	Seismic Design	Fa=1,FV=1.33,S1=0.46,Ss=1.125,I=1.25	MDMT (°C	5	
)4 21	Wind Design	Speed: 232 Km/hr (Max.), Code: ASCE 7-10	Insulation Required	NO	
22	·····a 2 os.g		lote 42, 45, 46)		
23	Code	ASME II / ASTM	Internal Welded and Supports	A 516 Gr. 60N	
24	Shell	A 516 Gr. 60N	Nozzle Necks	A 106 Gr.B	
25	Heads	A 516 Gr. 60N	Pipes	A 106 Gr.B	
26	Lining	P3	Plates	A 516 Gr. 60N	
27	Saddles	A 283 Gr. C	Forgings	A 105N	
28	Wear Plate	A 516 Gr. 60N	Flanges	A 105N	
29	Stiffening Rings	A 516 Gr. 60N	Fittings	A 234 Gr. WPB	
30		Note 26	Removable Internals	S.S. 316	
31	Lifting Lugs	A 516 Gr.60 N/A 283 Gr. C	External Bolts	A 193 Gr. B7 (8)	
32		A 516 Gr. 60N	Nuts	A 194 Gr. 2H (8)	
33		C.S.	Internal Bolts	A193 Gr. B8M (8)	
34	Gratings	Hot Dip Galvanized C.S.	Nuts	A194 Gr. 8M (8)	
35	External Welded Clips and supp	ort A 516 Gr. 60N	Name Plate	S.S. 316	
36		DEFEDENCE STAND	APPE & DOCUMENTS		
37	Mechanical Design Code	REFERENCE STANL	DARDS & DOCUMENTS ASME Sec VIII Div	1 IDC C ME 150	
		Voccole	BK-GNRAL-PEDCO	,	
	Process Basis of Design	VESSEIS	BK-GNRAL-FEDCO		
40 41	Piping & Instrument Diagra	am (P&ID)	BK-GCS-PEDCO-		
	Specification for Painting	(1 (1 (1))	BK-GNRAL-PEDCO		
	Specification for Insulation		BK-GNRAL-PEDCO		
44	Specification For Material	Requirements in Sour service	BK-GNRAL-PEDCO		
45			pection Requirements		
46	Inspection Authority	TPI & Client	•		
47	Material Certification	In Accordance with BS EN 10204:2004,	Type 3.1, Minimum for Pressure Contain	ning and Attachments	
48	Hydro Test Medium	Water	Hydro Test Procedure Yes;P	er Code & Spec. Requirements	
49	Post Weld Heat Treatmer		PT	100%	
50	MT	100 % on Lifting Lug Fillet Welds		er Code & Spec. Requirements	
51	RT	100 % On T-Joints and Head Join	•		
52			Circumferential Joints Butt-Welds,		
53	27.2		& Fabricated Nozzle Neck Longitudinal		
54	RT Report	Yes; Per Code & Spec. Requir.		er Code & Spec. Requirements	
55	MT Report	Yes; Per Code & Spec. Requir.		er Code & Spec. Requirements	
56	Fabrication Quality Contro		Yes		
57	Welding Procedure Revie		Yes Y (The CAN)	AL DED CO DI CD 000C"	
	Surface Preparation & Coa	aung	Specification for Painting: Doc. No. "BK-GNR		
58	•		Specification For Lining: Doc. No.: "BK-GNK	AL-PEDCO-000-PI-SP-0007"	
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شماره پیمان:

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احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک







شماره صفحه: ٦ از ٨

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			Access			nents (No	,	- /					
	ng Saddles			YES		me Plate							YES
	adder & Pla	attorm		YES		Name Plate YES Earthing Lug (Note 29, 30) YES							_
Insulation				NO			g (Note)	29, 30)					YES
Insulation				NO		iling Lug		(O :r:					N/A YES
Insulation				NO		thodic Pr		(Sacrific	cial Anoc	des)			NO NO
	ing Support	<u>i</u>		NO		chor Bolt							
Lifting Lu				YES YES		strumenta	itions						NO N/A
Tamplate	External Cli	ps		NO NO									YES
Boot				YES		pport Clip							YES
Davit for	Manhala			YES		ing & Grip							YES
	ining (By P	(ainting)		NO		eating Coi							NO.
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Mark	Otv	Description		Pipe			Flange		Proj.	(mm)		rcement	Romarks
Mark	Qty.	Description	Size		t (Note	Туре	Flange Rate.	Face		` '	Thk.	rcement O.D.	Remarks
A	1	Inlet	Size	Pipe		Type WN	Rate. #150	Face RF	SEE L	DWG	Thk.	O.D.	Remarks
A B1	1 1	Inlet Gas Outlet	Size 12" 10"	Pipe		Type WN WN	Flange Rate. #150 #150	Face RF RF	SEE L	DWG DWG	Thk.		Remarks
A B1 B2	1 1 1	Inlet Gas Outlet Liquid Outlet	Size 12" 10" 2"	Pipe		Type WN WN	Flange Rate. #150 #150	Face RF RF RF	SEE I	OWG OWG OWG	Thk.	O.D.	Remarks
A B1 B2 V1	1 1 1 1	Inlet Gas Outlet Liquid Outlet Vent	Size 12" 10" 2" 2"	Pipe		Type WN WN WN WN	Flange Rate. #150 #150 #150	Face RF RF RF RF	SEE I SEE I SEE I	DWG DWG DWG DWG	* *	O.D.	Remarks
A B1 B2 V1 V2	1 1 1 1 1	Inlet Gas Outlet Liquid Outlet Vent Ventilation	Size 12" 10" 2" 2" 6"	Pipe		Type WN WN WN WN WN	Flange Rate. #150 #150 #150 #150	Face RF RF RF RF	SEE II SEE II SEE II SEE II	DWG DWG DWG DWG DWG	Thk.	O.D. *	Remarks
A B1 B2 V1 V2 M	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Inlet Gas Outlet Liquid Outlet Vent Ventilation Manhole	Size 12" 10" 2" 2" 6" 24"	Pipe		Type WN WN WN WN WN WN	Flange Rate. #150 #150 #150 #150 #150 #150	Face RF RF RF RF RF	SEE I SEE I SEE I SEE I SEE I	DWG DWG DWG DWG DWG	Thk. * * * *	O.D. *	Remarks
A B1 B2 V1 V2 M S	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Inlet Gas Outlet Liquid Outlet Vent Ventilation Manhole Utility Connection	Size 12" 10" 2" 6" 24" 2"	Pipe		Type	Flange Rate. #150 #150 #150 #150 #150 #150 #150 #150	Face RF RF RF RF RF RF	SEE I SEE I SEE I SEE I SEE I SEE I	DWG DWG DWG DWG DWG DWG	Thk. * * * *	O.D. *	
A B1 B2 V1 V2 M S D	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Inlet Gas Outlet Liquid Outlet Vent Ventilation Manhole Utility Connection Drain	Size 12" 10" 2" 2" 6" 24" 2" 2"	Pipe		Type	Flange 184e. #150 #150 #150 #150 #150 #150 #150 #150	Face RF RF RF RF RF RF RF	SEE I SEE I SEE I SEE I SEE I SEE I	DWG DWG DWG DWG DWG DWG DWG	Thk. * * * *	O.D. *	
A B1 B2 V1 V2 M S	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Inlet Gas Outlet Liquid Outlet Vent Ventilation Manhole Utility Connection Drain Stand Pipe	Size 12" 10" 2" 2" 6" 24" 2" 3"	Pipe		Type	Flange Rate. #150 #150 #150 #150 #150 #150 #150 #150	Face RF RF RF RF RF RF RF	SEE II SEE II SEE II SEE II SEE II SEE II SEE II	DWG DWG DWG DWG DWG DWG DWG DWG DWG	Thk. * * * *	O.D. *	
A B1 B2 V1 V2 M S D L 1,2	1 1 1 1 1 1 1 1 1	Inlet Gas Outlet Liquid Outlet Vent Ventilation Manhole Utility Connection Drain Stand Pipe Level Transmiter (HH)	Size 12" 10" 2" 2" 6" 24" 2" 2"	Pipe		Type WN	Flange Rate. #150 #150 #150 #150 #150 #150 #150 #150	Face RF RF RF RF RF RF RF	SEE I SEE I SEE I SEE I SEE I SEE I	DWG DWG DWG DWG DWG DWG DWG DWG DWG DWG	Thk. * * * *	O.D. *	
A B1 B2 V1 V2 M S D L 1,2 L 3,4	1 1 1 1 1 1 1 1 1 1 2 2	Inlet Gas Outlet Liquid Outlet Vent Ventilation Manhole Utility Connection Drain Stand Pipe Level Transmiter (HH) Pressure Safety Valve	Size 12" 10" 2" 6" 24" 2" 3" 2"	Pipe		Type WN	Flange Rate. #150 #150 #150 #150 #150 #150 #150 #150	Face RF RF RF RF RF RF RF RF	SEE I SEE I SEE I SEE I SEE I SEE I SEE I SEE I	DWG DWG DWG DWG DWG DWG DWG DWG DWG DWG	Thk. * * * *	O.D. *	
A B1 B2 V1 V2 M S D L 1,2 L 3,4 PSV	1 1 1 1 1 1 1 1 1 1 2 2	Inlet Gas Outlet Liquid Outlet Vent Ventilation Manhole Utility Connection Drain Stand Pipe Level Transmiter (HH)	Size 12" 10" 2" 2" 6" 24" 2" 3" 2" 6"	Pipe		Type	Flange Rate. #150 #150 #150 #150 #150 #150 #150 #150	Face RF	SEE II SEE II SEE II SEE II SEE II SEE II SEE II SEE II	DWG DWG DWG DWG DWG DWG DWG DWG DWG DWG	Thk. * * * *	O.D. *	
A B1 B2 V1 V2 M S D L1,2 L3,4 PSV P1	1 1 1 1 1 1 1 1 1 2 2	Inlet Gas Outlet Liquid Outlet Vent Ventilation Manhole Utility Connection Drain Stand Pipe Level Transmiter (HH) Pressure Safety Valve Pressure Gauge	Size 12" 10" 2" 2" 6" 24" 2" 3" 2" 6" 2" 2"	Pipe		Type	Flange Rate. #150 #150 #150 #150 #150 #150 #150 #150	Face RF	SEE SEE	DWG DWG DWG DWG DWG DWG DWG DWG DWG DWG	Thk. * * * *	O.D. *	
A B1 B2 V1 V2 M S D L1,2 L3,4 PSV P1 P2	1 1 1 1 1 1 1 1 1 2 2 1 1	Inlet Gas Outlet Liquid Outlet Vent Ventilation Manhole Utility Connection Drain Stand Pipe Level Transmiter (HH) Pressure Safety Valve Pressure Gauge Pressure transmiter	Size 12" 10" 2" 2" 6" 24" 2" 3" 2" 6" 2" 2" 2"	Pipe		Type	Flange Rate. #150 #150 #150 #150 #150 #150 #150 #150	Face RF	SEE SEE	DWG DWG DWG DWG DWG DWG DWG DWG DWG DWG	Thk. * * * *	O.D. *	
A B1 B2 V1 V2 M S D L1,2 L3,4 PSV P1 P2 T	1 1 1 1 1 1 1 1 1 2 2 1 1	Inlet Gas Outlet Liquid Outlet Vent Ventilation Manhole Utility Connection Drain Stand Pipe Level Transmiter (HH) Pressure Safety Valve Pressure Gauge Pressure transmiter	Size 12" 10" 2" 2" 6" 24" 2" 3" 2" 6" 2" 2" 2"	Pipe		Type	Flange Rate. #150 #150 #150 #150 #150 #150 #150 #150	Face RF	SEE SEE	DWG DWG DWG DWG DWG DWG DWG DWG DWG DWG	Thk. * * * *	O.D. *	

Ļ				wing ai	na Seismic L	oads at Base *	Note(9)					
ľ	Load Condition	Empty Condition			Ор	Operating Condition			Testing Condition			
	M N N N N N N N N N N N N N N N N N N N	Max. Shear @ Base (Kg)	Max. Moment @ Base (Kg.m)	Weight (Kg)	Max. Shear @ Base (Kg)	Max. Moment @ Base (Kg.m)	Weight (Kg)	Max. Shear @ Base (Kg)	Max. Moment @ Base (Kg.m)	Weight (Kg)		
	WIND											
	SEISMIC											
Г										•		



نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

HIRGAN ENERGY

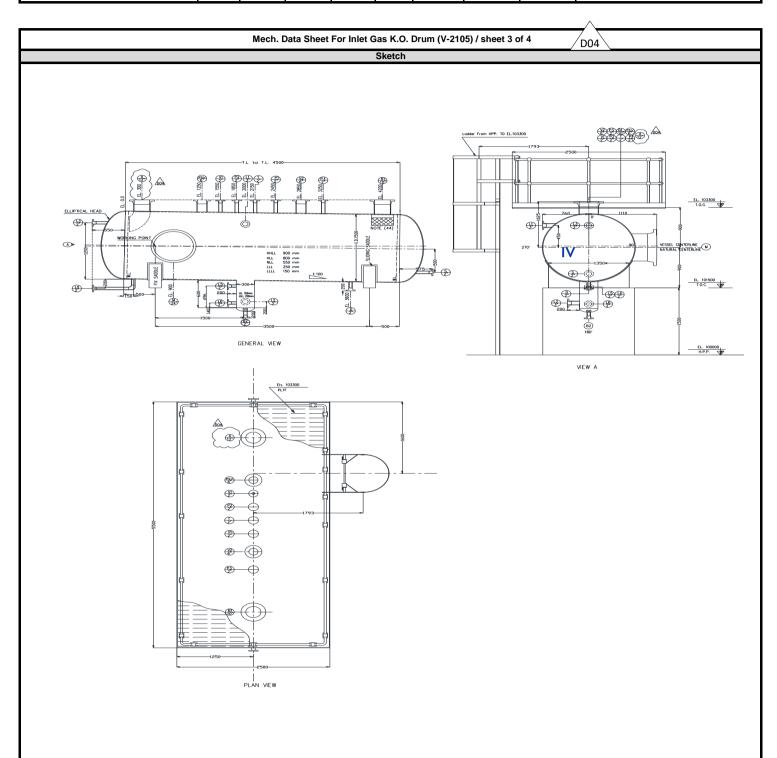
NISOC

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

MECHANICAL DATA SHEETS FOR INLET GAS K.O. DRUM

شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهيلات	رشته	نوع مدر ک	سريال	نسخه
۹۱۸٤ – ۲۷۳ – ۹۱۸۶	BK	GCS	PEDCO	120	ME	DT	0001	D04

شماره صفحه: ۱۷ز ۸





شماره پیمان:

پروژه

BK

نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



 MECHANICAL DATA SHEETS FOR INLET GAS K.O. DRUM

 نسخه
 سریال
 نوع مدر ک
 رشته
 تسهیلات
 صادر کننده
 بسته کاری

 GCS
 PEDCO
 120
 ME
 DT
 0001
 D04



شماره صفحه: ۱ از ۱

			WE	IGHT				
1 2 3 4		WEIGHT CONTRO DATA SHEET SI UNIT *		IGHT			1/1	
5 6 7	Service : Type :	Inlet Gas K.O. Drum		Location Quotatio			Bushehr (Bina	k Oilfield)
8 9	No. trains : No. stages : Supplier :			Serial No				
11 12 13	Manufacturer : Model :							
14 15	Note: Information to	be completed by equip		airch (lan)(4.2)			M.Sadeghian	
16 17				eight (kg)(1,2)		Ι_		
18 19	Fabrication	Erection	Operation	Hydrosta	tic Test	Remo	ovable internal	Ladder & Platform
20 21 22	l .	I						
23 24		WEIGHT	WEIGHT AND C C		QUIRED *	CEN	ITER OF GRAV	/ITV (mm)
25 26	CONDITION	ACCURACY % (kg)			X		Y	Z
27	Dry							
28 29								
30 31			S	KETCH				
32 33 34 35 36 37 38 39 40 41 42		Y	PLAN	ge	1		w	
43 44 45 46 47 48 49		H Z	ELEVAT) ION			UNDERSIDE	OF BASE
50 51		 -	L	HOTES			→	
52 53	All lifting points to	o be load tested and cer		NOTES				
54 55 56	2) Any spreader be	eam to be load tested an lan for skid mounted equ	d certified.	by the Vendor				
57								
58 59								
J								
60 61								