

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک HAZARD SOURCE LIST								
	شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته SA	نوع مدرک LI	سریال 0001	نسخه D01

طرح نگهداشت و افزایش تولید ۲۷ مخزن

HAZARD SOURCE LIST نگهداشت و افزایش تولید میدان نفتی بینک

D01	AUG.2022	IFA	A.Saber	M.Fakharian	M.Mehrshad	
D00	FEB.2022	IFC	A.Saber	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval
Class: 2		CLIENT Doc. Number:F0Z-709002				
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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	HAZARD SOURCE LIST								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته SA	نوع مدرک LI	سریال 0001	نسخه D01	شماره صفحه: ۲ از ۵

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	Page	D00	D01	D02	D03	D04
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2	X	X				66					
3	X	X				67					
4	X	X				68					
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NISOC

تکهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک




HAZARD SOURCE LIST		شماره صفحه: ۳ از ۵																				
نسخه	سریال	نوع مدرک	رشته	تهیلات	صادر کننده	بسته کاری	پروژه															
D01	0001	LI	SA	120	PEDCO	GCS	BK															
ITEM No.	TAG NUMBER	DESCRIPTION	FLUID	TYPE OF RELEASE									IGNITION POINT(C)	DENSITY RELATIVITY (L/H)	MAX OPERATING CONDITION		DANGEROUS ITEM	CLASSIFICATION		TEMP	REMARK	
				Grades of release (1)			Location (2)			Vent (3)					TEMP.(°C)	PRESS.(BARG)		GAS GROUP	ZONE			
				C	P	S	O	E	S	N	I	F										
1	V-2101A/B/C	1ST Stage Gas Compression Suction Drum	HC + H2S			S	O				N			> 200	LIGHTER	36	4.9	HYDROCARBON GAS	IIB	2	T3	FIG 48
2	V-2102A/B/C	2 Nd Stage Gas Compression Suction Drum	HC + H2S			S	O				N			> 200	LIGHTER	60	18.1	HYDROCARBON GAS	IIB	2	T3	FIG 48
3	V-2103	2 Nd Stage Gas Compression Discharge Drum	HC + H2S			S	O				N			> 200	LIGHTER	60	53.9	HYDROCARBON GAS	IIB	2	T3	FIG 48
4	V-2104	Slug Catcher Drum	HC + H2S			S	O				N			> 200	LIGHTER	15~40	5.3	HYDROCARBON LIQ+GAS	IIB	2	T3	FIG 48
5	V-2105	Inlet Knock Out Drum	HC + H2S			S	O				N			> 200	LIGHTER	15~40	5.1	HYDROCARBON GAS	IIB	2	T3	FIG 48
6	V-2106	Degassing Vessel	HC + H2S			S	O				N			> 200	LIGHTER	15~40	0.5	LIQ HYDROCARBON	IIA	2	T3	FIG 48
7	V-2107	Glycol Sump Drum	TEG+HC			S				S	N			> 200	-	AMB	0.1	TEG+HYDROCARBON	IIA	1 & 2	T4	FIG 48
8	V-2201	Flare K.O. Drum	HC + H2S			S				S	N			> 200	LIGHTER	AMB	0.2~0.5	HYDROCARBON GAS	IIB	1 & 2	T3	FIG 48
9	V-2202	Close drain drum	HC + H2S			S				S	N			> 200	LIGHTER	AMB	0.2~0.5	HYDROCARBON LIQ+ GAS	IIB	2	T3	FIG 48
10	V-2205	Fuel Gas K.O. Drum	HC + H2S			S	O				N			> 200	LIGHTER	15~40	4.9	HYDROCARBON GAS	IIB	2	T3	FIG 48
11	V-2206	Diesel Oil Drum	DIESEL OIL			S	O				N			> 200	-	AMB	ATM.	HYDROCARBON GAS	N.A	2	T3	FIG 8
12	TK-2102	Lean Glycol Storage Tank	TEG			S	O				N			> 200	-	AMB	0.1	HYDROCARBON GAS	IIA	2	T4	FIG 6
13	C-2101 A/B/C	1 St Stage Gas Compressor	HC + H2S			S	O				N				LIGHTER	150	18.1	HYDROCARBON GAS	IIB	2	T3	FIG 52
14	C-2102 A/B/C	2Nd Stage Gas Compressor	HC + H2S			S	O				N				LIGHTER	150	53.5	HYDROCARBON GAS	IIB	2	T3	FIG 52
15	AE-2101 A/B/C	1 St Stage Gas Compressor Air Cooler	HC + H2S			S	O				N				LIGHTER	150	18.1	HYDROCARBON GAS	IIB	2	T3	FIG 48
16	AE-2101 A/B/C	2 Nd Stage Gas Compressor Air Cooler	HC + H2S			S	O				N				LIGHTER	150	53.5	HYDROCARBON GAS	IIB	2	T3	FIG 48

NOTE1: Class III liquids normally do not produce vapors of sufficient quantity to be considered for electrical classification purposes. Class III liquids will release vapor in the flammable range at their surfaces if heated above their flash points, but the extent of the classified location ordinarily will be very small and near the point of release.

NOTE2: Liquid which will be drained to burn pit during maintenance activities should be burned to prevent environmental pollution, but if it emptied by any pumps, they should be certified for above specified area classification.

DEFINITION:

Grades of release:

"C":Continuous or is expected to occur for long periods.

"P": Primary; A release that can be expected to occur periodically or occasionally during normal operation

"S":secondary; A release that is not expected to occur is likely to do so only in infrequently and for short periods.

Location:

"O": open area; "E":Enclosed; "S": Sumped;

Vent:

"N": Natural; "I":Inadequate; "F": Forced;



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره ۵ صفحه: ۴ از ۵

شماره پیمان: ۰۵۳-۰۲۳-۹۱۸۴			پروژه		بسته کاری		صادر کنند		تسهیلات		رشته		نوع مدرک		سریال		نسخه		شماره صفحه: ۴ از ۵			
			BK		GCS		PEDCO		120		SA		LI		0001		D01					
ITEM No.	TAG NUMBER	DESCRIPTION	FLUID	TYPE OF RELEASE									IGNITION POINT(°C)	DENSITY RELATIVITY (LI/H)	MAX OPERATING CONDITION		DANGEROUS ITEM	CLASSIFICATION		TEMP	REMARK	
				Grades of release (1)			Location (2)			Vent (3)					TEMP (°C)	PRESS.(BAR/G)		GAS GROUP	ZONE			
				C	P	S	O	E	S	N	I	F										
17	P-2101 A/B	Slug Pumps	HC + H2S			S	O			N			> 200	LIGHTER	AMB	31	liquid HYDROCARBON	IIB	2	T3	FIG 51	
18	P-2102	Glycol Manual Pump	TEG			S	O			N			> 200	-	AMB	3	GLYCOL	IIA	2	T4	FIG 51	
19	P-2103 A/B	Glycol Transfer Pumps	TEG			S	O			N			> 200	-	AMB	2	SLUG	IIA	2	T4	FIG 51	
20	P-2104	Glycol Drain Pumps	TEG+HC			S				S	N		> 200	HEAVIER	AMB	2	HYDROCARBON GAS	IIA	1 & 2	T4	FIG 51	
21	P-2201A/B	LP Flare K.O. Drum Pumps	HC + H2S			S				S	N	IFA	> 200	LIGHTER	AMB	2.5	HYDROCARBON GAS	IIB	1 & 2	T3	FIG 51	
22	P-2202A/B	Closed Drain Pumps	HC + H2S			S				S	N		> 200	LIGHTER	AMB	2.5	HYDROCARBON LIQ	IIB	1 & 2	T3	FIG 51	
23	P-2203A/B	Sump Pumps	OILY WATER			S				S	N		> 200	-	AMB	2	HYDROCARBON OIL	IIB	1 & 2	T3	FIG 51	
24	P-2206	Diesel oil Pump	DIESEL			S	O			N			> 200	-	AMB	2	DIESEL	N.A	2	T3	FIG 51	
25	PK-2101	Dehydration Package	HC + H2S			S	O			N			> 200	LIGHTER	60	53.5	HYDROCARBON +TEG+WATER	IIB	2	T4	FIG 48	
26	PK-2206 A/B	Diesel Generator Package	DIESEL			S	O			N				-	AMB	ATM.	DIESEL	N.A	2	T3	FIG 55	
27	PK-2207	Corrosion Inhibitor Package	DIESEL			S	O			N				-	AMB	ATM.	COROSION INHIBITO	N.A	2	T3	FIG 55	
28	PK-2208	Methanol Injection Package	METHANOL			S	O			N				LIGHTER	AMB	0.1		IIA	2	T2	FIG 55	
29	FST-2201	LP Flare Stack	HC + H2S			S	O			N				LIGHTER	AMB	0.5	HYDROCARBON GAS	IIA	2	T3	FIG 14	
30	IG-2201	LP Flare Ignation Package	HC + H2S			S	O			N				LIGHTER	AMB	4.9	HYDROCARBON GAS	IIA	2	T3	FIG 55	
31	SU-2201	LP Flare K.O Drum and Close Drain Sump	HC + H2S			S	O			S	N			LIGHTER	AMB	ATM.	HYDROCARBON GAS	IIA	1	T3	clause 10.12	
32	SU-2202	Oily Water Sump	HC			S	O			S	N			LIGHTER	AMB	ATM.	HYDROCARBON GAS	IIB	1	T3	Figure 57 clause 10.12	
33	PR-1002	Golkhari Pig Reciever	HC			S	O			N				LIGHTER	AMB	ATM.	HYDROCARBON GAS	IIB	2	T3	FIG 49	
34	PL-3201	Pig Launcher	HC			S	O			N				LIGHTER	AMB	ATM.	HYDROCARBON GAS	IIB	2	T3	FIG 49	
35	General	Battery Room	H			S		E					F	LIGHTER	25	ATM.	HYDROGEN GAS	IIB	1 & 2	T1	see section 11.23 API 505	
36	General	ANY PIPING FITTING & CONNECTION (INCLUDE FLANGES/ VALVES/ AND ANY SCREWED CONNECTIONS)	HC			S	O			N				LIGHTER	AMB	ATM.		IIB	2	T3	see section 10.15 API 505	

NOTE2: Liquid which will be drained to burn pit during maintenance activities should be burned to prevent environmental pollution, but if it emptied by any pumps, they should be certified for above specified area classification.

Location:

"O": open area; "E": Enclosed; "S": Sumped;

Vent:

"N": Na

