



### NOTES

- ALL THE EQUIPMENT AND INSTRUMENT TAG NUMBERS ON THIS DRAWING ARE PREFIXED BY AREA CODE (16) AND PLANT AREA CODE (01) UNLESS SPECIFIED OTHERWISE.
- REFER TO ADNOC ONSHORE ENGINEERING SPEC. DOC NO.30.99.00.0103
- MOV'S CAN ONLY BE OPERATED LOCALLY VIA INTEGRAL ACTUATOR CONTROLS.
- LOW RANGE (0-1 BARG) PRESSURE INDICATOR SHALL BE INSTALLED BUT PRESSURE RATED TO PIPELINE DESIGN PRESSURE AND SHALL BE LOCATED AT A MINIMUM DISTANCE FROM PIG TRAP DOOR SO THAT IT IS EASILY VISIBLE.
- THE CC, CP AND BP ACCESS FITTINGS SHOULD BE SITUATED SUFFICIENTLY DOWNSTREAM THE CHEMICAL INJECTION ACCESS FITTINGS BY TYPICALLY 10 PIPE DIAMETERS AND SHALL BE INSTALLED FLUSH MOUNTED AT 6 O'CLOCK POSITION
- RODDING POINT.
- VALVE PROVIDED WITH INCHING FACILITY WITH MIN MECHANICAL FLOW STOP (99%).
- DELETED.
- DELETED.
- MULTIPHASE FLOW, ADEQUATE PIPING SUPPORTS PROVIDED.
- OPERATIONAL PROCEDURES ARE WRITTEN SUCH THAT THERE IS ALWAYS AN OPEN ROUTE TO THE CDS.
- SEQUENTIAL KEY INTERLOCKING SYSTEM TO REGULATE OPERATION OF PIG TRAP VALVES AND TRAP DOOR SHALL BE PROVIDED FOR SAFE HANDLING. REFER TO ADNOC DOCUMENT NO. ES-30-90-00-0103-1 FOR SAFETY INTERLOCKING SYSTEM.
- PURGE LOCATION NEAR PIG-TRAP VALVE OR END CLOSURE TO ALLOW PURGING AND/OR FLUSHING THE FULL LENGTH OF BARREL WITH INERT GAS.
- THE PIG TRAP IS ORIENTED SUCH THAT EQUIPMENT OR GRADE PIPING SHALL NOT BE WITHIN A SECTORIAL AREA @ 15M RADIUS BY 20°.
- SAMPLE CONNECTION DETAIL REFER TO DRG. NO. 30.99.08.0601.
- PIG SIGNALERS ARE INTRUSIVE TYPE WITH INTEGRAL BALL VALVE CONFIRMING TO SPECIFICATION FOR PIPELINE VALVES.
- PORTABLE DRIP TRAY (OF APPROX. 5% VOLUME OF PIG TRAP) PROVIDED DIRECTLY UNDERNEATH END CLOSURE OF PIG TRAPS TO CONTAIN ANY SPILLED HYDROCARBON DURING OPENING OF TRAP DOOR.
- THE PIG TRAP QUICK OPENING END CLOSURE IS PROVIDED WITH AUTOMATIC LOCKING DEVICE WHICH PREVENTS OPENING OF DOOR UNDER PRESSURE.
- FOR INITIAL PRESSURIZATION.
- BYPASS SDV INTERLOCKED WITH MAIN SDV TO PREVENT OPENING ON DPAH.
- THIS LINE SHALL BE SUPPORTED FOR SLUG FLOW.
- PROVISION FOR N2 PURGING.
- PROVISION FOR CORROSION INHIBITOR.
- LEAK DETECTION SYSTEM.
- PROVIDE UPSTREAM/DOWNSTREAM STRAIGHT LENGTH 10D AS MIN.
- SDV WILL BE INTERLOCK WITH SDV-3212-01 AND ALSO WILL BE CLOSED ON LSDH 3212-02 AND LSDL 3212-03 LIQUID LEVEL IN VESSEL V-3212.
- PSDL 3901/05 TRIPS SDV 3901/04 AND EXPORT GAS COMPRESSOR ON PIPELINE LOW LOW PRESSURE.
- THE PRESSURE TRANSMITTER UTILIZED FOR LDS SHALL UTILIZE HIGH SPEED PRESSURE SENSING TECHNOLOGY AND SHALL BE SUPPLIED BY LDS VENDOR.
- THE PRESSURE TRANSMITTER SET AT 1 BARG FOR ALARM DURING STANDBY CONDITION.
- TELL TALE VALVE IS PROVIDED TO VERIFY THE ABSENCE OF FLAMMABLE TOXIC GAS PRIOR TO OPENING END CLOSURE.
- MINIMUM LENGTH OF PIG SIGNALER FROM THE BARRED TEE SHALL BE THE MAXIMUM LENGTH OF THE INTELLIGENT PIG.
- LINE IS ROUTED UP TO THE GRADE LEVEL NEAR TO THE LOCATION OF PORTABLE SKID.

### LEGEND

REVISION CLOUD

### DRAWING REFERENCE

TITLE	DRG. NO.
P&ID LEGEND	P16093.30.99.08.1601 SHT. 1 TO 16
P&ID GLYCOL CONTACTOR: C-3611-01 EXPORT GAS COMPRESSOR CDS : SAHIL	P16093.16.01.08.1686
P&ID BLOCK VALVE STATION SAHIL GAS EXPORT LINE	P16093.14.76.08.1601
P&ID FUEL GAS SYSTEM CDS : SAHIL	P16093.16.01.08.1730
P&ID CLOSED DRAIN COLLECTION HEADER CDS : SAHIL	P16093.16.01.08.1731
P&ID MP FLARE HEADER CDS : SAHIL	P16093.16.39.08.1603
P&ID NITROGEN DISTRIBUTION HEADER CDS : SAHIL	P16093.16.01.08.1726
P&ID POTABLE WATER SYSTEM CDS : SAHIL	P16093.16.01.08.1721

THIS DRAWING IS NEWLY DEVELOPED FOR THIS PROJECT NO.P16093

REV.	DATE	DRN.	CHD.	APD.	DESCRIPTION
1	21/09/2024	KRA	ABS	SHA	ISSUED FOR CONSTRUCTION
E	30/07/2024	KRA	ABS	SHA	ISSUED FOR DESIGN
D	08/07/2024	KRA	ABS	SHA	RE-ISSUED FOR HAZOP
C	13/06/2024	KRA	ABS	SHA	ISSUED FOR HAZOP
B	02/04/2024	KRA	ABS	SHA	ISSUED FOR APPROVAL
A	21/03/2024	KRA	ABS	SHA	ISSUED FOR REVIEW

SCALE: N.T.S LOCATION: SAHIL PROJECT No. P16093

## أدنوك البرية

## ADNOC Onshore

CONSULTANT / CONTRACTOR / VENDOR:

**REJLERS TARGET**

DRAWING No.

PROJECT: EPC OF SAHIL PHASE 3 DEVELOPMENT PROJECT

DRG. TITLE: PIPING AND INSTRUMENT DIAGRAM EXPORT GAS PIG LAUNCHER LP-3901

DRG.No.	16	01	08	1689	1	1/1
AREA	PIAREA	DOC CODE	SERIAL No.	REV.	SHT	QF

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