



LEGEND

BAL 315.....
 BAH 315.....
 JJB-29301/2/3/4/5
 TAL 3154.....
 TAH 3154.....
 TE-3154.....
 BE-315.....

IONISATION FLAME DETECTION OFF
 IONISATION FLAME DETECTION ON
 HIGH ENERGY IGNITION FEEDER
 PILOT ON SIGNAL LAMPS (GREEN)
 PILOT OFF SIGNAL LAMPS (RED)
 PILOT WITH DOUBLE THERMOCOUPLE
 PILOT WITH IONISATION FLAME DETECTION
 TIE IN POINT

- NOTES**
- DRAINS TO BE LOCATED AT FLARE TOWER BASE
 - LOW POINT DRAINS TO BE ELECTRICALLY TRACED (By OTHERS)
 - BALLISTIC PELLET TUBING BY ITAS - MATERIAL 6 Mo
 - IONISATION AMPLIFIERS SHALL BE INSTALLED AT 50 m MAX FROM PILOT BURNER
 - CONTROL PANEL SUITABLE FOR ZONE 1 GAS GROUP II B TEMPERATURE CLASS T3 MECH. PROTECTION IP 56 MIN.
 - DOUBLE THERMOCOUPLE TYPE 'K'
 - INSTRUMENT EARTHED SCREEN TO BE ISOLATED IN FIELD INSTRUMENT
 - DRAIN AT LOW POINT
 - BEND RADIUS 3.6 M MINIMUM (TO BE BENT BY VENDOR)
 - "PARKER ERMETEO" SPECIAL FITTINGS ON GUIDE PIPE & CABINET
 - FLOW CONTROL VALVE WITH INDICATOR
 - INSULATION AND ELECTRICAL TRACING (IF ANY) BY OTHERS
 - DRAIN ON PELLET TUBING NOT REQUIRED
 - PURGE LINE FOR PELLET LAUNCHING PIPE
 - INSTRUMENT AIR FILTER REGULATOR WITH INTEGRATED PRESSURE GAUGE
 - ROTATING PELLET MAGAZINE c/w No. 20 PELLETS
 - DESIGN PRESSURE OF PIPEWORK ON PILOT IGNITION SYSTEM IS 10 Barg
 - BOTH FLARE TIPS ARE SUPPORTED BY A FLARE TOWER ON THE "GEAD" PLATFORM
 - LAST 6m OF GUIDE PIPE SHALL BE IN INCOLLOY 800 HT 3/4" dia. sch. 40
 - PELLET COLLECTOR BOX IS DESIGNED TO HOLD MORE THAN 2000 USED PELLET
 - ALL MATERIALS IN CONTACT WITH FLARING, FUEL GAS TO BE IN COMPLIANCE WITH NACE MRO1-75 ISO 15156 - SOUR SERVICE -
 - WITHOUT AIR SUPPLY ONLY ONE PELLET LAUNCH CAN BE POSSIBLE
 - GUIDE PIPE IS MADE UP OF 6 m SECTIONS USING SPECIAL PARKER FITTINGS
 - PT-31673 HAS LOCAL READ-OUT (PRESSURE GAUGE)
 - PSV-31625 ACCORDING TO API 520,521 CALCULAT. SEE DATA SHEET No.MGL-001

(F 1 1/2" SIZED FOR FIRE CASE)

TP... No.	SERVICE	SIZE	RATING	Mat.
TP 01	HP FLARE TIP GAS CONNECT.	24" WN	150 #RF	A182 F316L
TP 02	HP FLARE TIP CONT.PILOT GAS	1 1/2"SW	300 #RF	A182 F316L
TP 03	LP FLARE TIP GAS CONNECT.	10" WN	150 #RF	A182 F316L
TP 04	LP FLARE TIP CONT.PILOT GAS	1 1/2"SW	300 #RF	A182 F316L
TP 08	FUEL GAS INLET	1"WN	150 #RF	A182 F316/L
TP 09	CONTINUOUS PILOT FUEL GAS	1"WN	150 #RF	A182 F316/L
TP 10	INSTRUMENT AIR INLET	1/2"WN	150 #RF	A182 F316/L
TP 12	PROPANE GAS INLET	1"WN	150 #RF	A182 F316/L
TP 13	PROPANE GAS OUTLET	1"WN	150 #RF	A182 F316/L
TP 14	PROPANE SAFETY VALVE VENT	1 1/2"	150 #RF	A351 CF8M
TP 15	3 PIECE UNION FOR TUBING	1/2"NPTF	-	SS 316

Nexen Petroleum (U.K.) Limited
 Golden Eagle Area Development

VENDOR : ITAS SpA

EQUIPMENT TITLE : FLARE TIPS & IGNITION PACKAGE

EQUIPMENT TAG NO(S) : Y-3108/Y-3203

GEAD Vendor Document Number

Purchase Order Number: 168397-200-PD-3365 - MC2 - 001

Doc Type: 0058

Rev: 08

DATE: 05.03.2013

INCLUDES DOCUMENT CODES : TOTAL SHEETS : 1

F Final (accepted) - manufacturing may proceed.

A Qualified Release - revise and re-submit. Manufacturing may proceed subject to incorporation of comments.

R Rejected - revise and re-submit. Manufacturing may not proceed.

I Accepted for information only.

Review of Vendor documents does not relieve Vendor of the responsibility for correctness under the Purchase Order. Permission to proceed does not constitute acceptance of design, detail and calculations, test methods or materials developed or selected by the Vendor and does not relieve the Vendor from full compliance with the Purchase Order or any other obligations, nor detract from any of the Purchaser's rights.

Engineer : *[Signature]* Date : 5/3/14

REV.	DATE	DESCRIPTION	LG	AME	MPi
05.03.2013	RE ISSUED AS FINAL		LG	AME	MPi
19.02.2013	RE ISSUED AS FINAL		LG	AME	MPi
05.10.2012	RE ISSUED FOR REVIEW AS PER HAZOP INSTRUCTIONS		LG	AME	MPi
05.10.2012	RE ISSUED FOR REVIEW AS PER HAZOP INSTRUCTIONS		LG	AME	MPi
02.08.2012	RE ISSUED FOR REVIEW AS PER NEX COMMENTS		LG	AME	MPi
04.05.2012	RE ISSUED FOR REVIEW (AFTER NEX LAST COMMENTS ON EE3)		LG	AME	MPi

Q.ty 1 Scale == Dept. PETROL Replace Replaced from

Job C.25381/11 Client P.O. - Sheet 1 Of 1

Title: **NEXEN PETROLEUM (U.K.) Ltd.**
 GOLDEN EAGLE DEV. PROJECT
 FLARE SYSTEM
 ITEM X-3105
 P & I DIAGRAM

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Rev. 08

Dis. N° T.06.A019

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