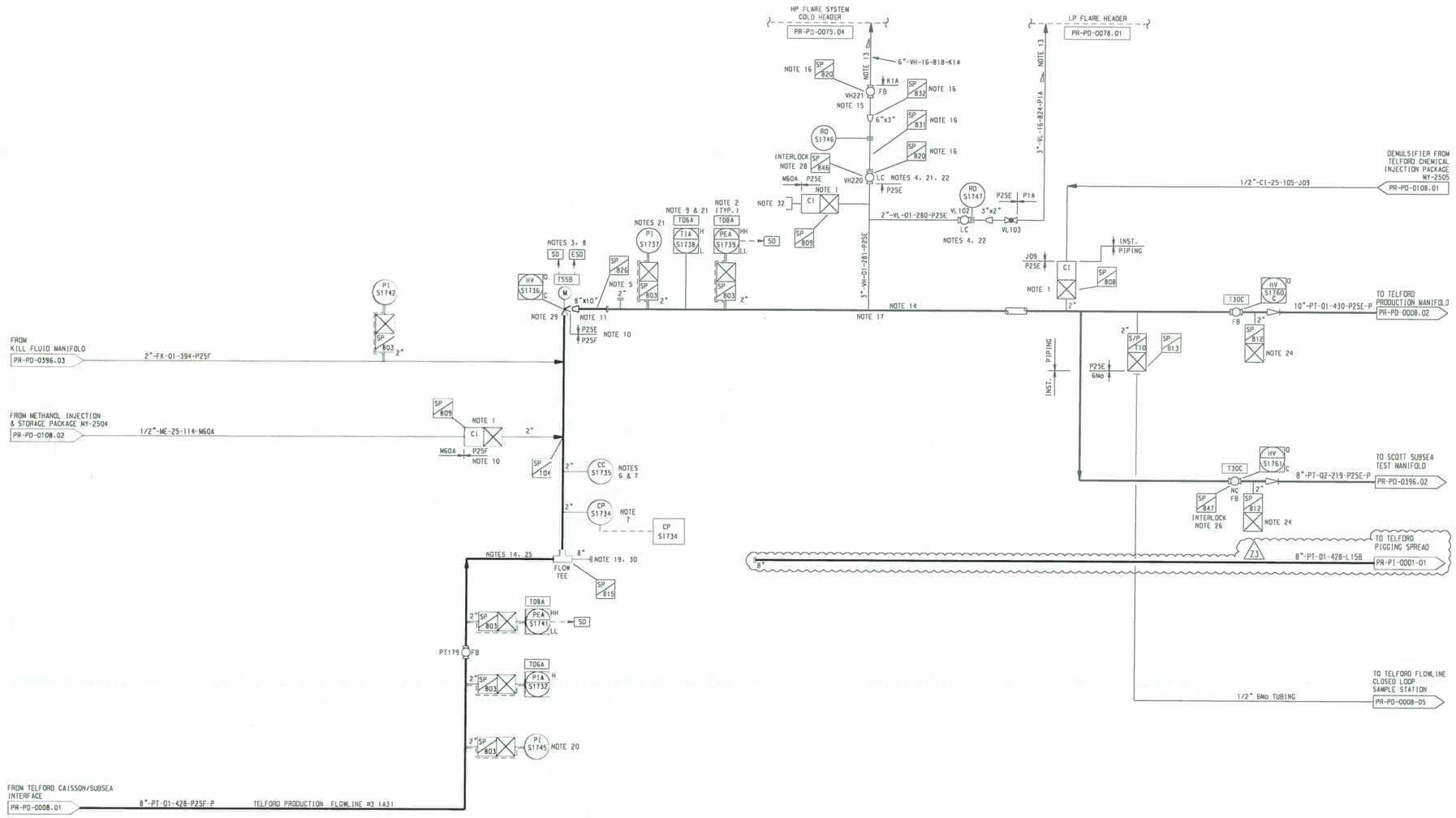

NOTES

1. VALVE ASSEMBLY INCORPORATES DOUBLE BLOCK VALVES & A CHECK VALVE.
2. INSTRUMENT CONNECTIONS ETC. TO BE ON TOP OF VERTICAL RUN TO AVOID POTENTIAL SAND BLOCKAGE.
3. UPSTREAM FLOWLINE SHUTDOWN VALVE AND CHOKE VALVE ARE TO BE INTERLOCKED SUCH THAT SDV CANNOT BE OPENED UNTIL HV IS CLOSED (LIMIT SWITCH INTERLOCK IN ESD). ON SHUTDOWN SDV WILL CLOSE IRRESPECTIVE OF CHOKE POSITION.
4. MANUAL PIPELINE DEPRESSURISATION VALVE.
5. MULTI-PURPOSE CHEMICAL INJECTION POINT.
6. CORROSION COUPON ASSEMBLY NEEDS TO BE ACCESSED BY RETRIEVAL TOOL AND LOCATED AT BEND OUTLET IN VERTICAL SECTION OF FLOWLINE.
7. 2" ACCESS FITTINGS (FLARE WELD TYPE). CONNECTIONS TO BE SUPPLIED BY INSTRUMENTS.
8. CHOKE VALVES ARE DRIVEN CLOSED ON SHUTDOWN FROM ESD SYSTEM VIA DCS.
9. SURFACE MOUNTED TEMPERATURE INSTRUMENT.
10. PIPELINE/TOPSIDES SPEC BREAK POINT.
11. EROSION PROTECTION. REINFORCED OR CLADDED SPOOLPIECE.
12. DELETED
13. FLARE INPUT LINES TO SLOPE TOWARDS FLARE WITH NO POCKETS. MINIMUM SLOPE 1:50.
14. THE REQUIREMENT FOR SAND MONITORING WILL BE ASSESSED BASED ON OPERATING EXPERIENCE. IF NECESSARY, IT IS CONSIDERED THAT A NON-INTRUSIVE STRAP-ON DEVICE WILL BE UTILISED.
15. SPOOL PIECE OF 2M MINIMUM LENGTH.
16. HIGH PRESSURE AND LOW TEMPERATURE (-100°C) SPOOL PIECE, RO, REDUCER AND BALL VALVES REQUIRED.
17. PIPELINE DEPRESSURISING LINE TO BE LOCATED AT HIGH POINT TO AVOID LIQUID BLOWDOWN.
18. DELETED
19. TIE-IN POINT FOR TEMPORARY PIG LAUNCHER.
20. LOCAL PI MAY BE REMOVED AND CONNECTION USED AS A TEMPORARY NITROGEN PURGE POINT TO FACILITATE LIQUID DRAINING FROM LOW POINT.
21. FLOWLINE PRESSURE AND TEMPERATURE INDICATORS LOCATED BETWEEN CHOKE VALVE AND DEPRESSURISING LINE TO BE VISIBLE FROM DEPRESSURISING POINT ISOLATION VALVES. TIA-S173B IS TO BE PROVIDED WITH LOCAL TEMPERATURE INDICATION.
22. HP AND LP FLARE LINES TO BE IDENTIFIED IN FIELD AND NOTICE TO BE ADDED AT MANUAL DEPRESSURISATION VALVE – "USE HP FLARE FOR FLOWLINE DEPRESSURISATION. LP FLARE TO BE USED FOR PURGING AND LOW PRESSURE VENTING ONLY."
23. DELETED
24. BLEED VALVE ASSEMBLY.
25. 5D RADIUS BENDS (SP 816) TO BE USED ON FLOWLINE TO PIG LAUNCHER.
26. TELFORD FLOWLINES #1,#2 AND #3 TEST MANIFOLD DIVERTER VALVES TO BE PROVIDED WITH A KEY INTERLOCK SYSTEM WHEREBY ONLY ONE FLOWPATH MAY BE OPEN TO THE TEST MANIFOLD AT ANY ONE TIME.
27. DELETED
28. TELFORD FLOWLINES #1,#2 AND #3 MANUAL PIPELINE DEPRESSURISATION VALVES TO BE PROVIDED WITH A KEY INTERLOCK SYSTEM WHEREBY ONLY ONE PIPELINE MAY BE BLOWNDOWN AT ANY ONE TIME.
29. PIPELINE DEPRESSURISATION IS NOT TO BE CARRIED OUT VIA CHOKE VALVE DUE TO POTENTIAL FOR LOW TEMPERATURE IN THE P25E RATED PIPE SECTION (DESIGN TEMPERATURE -21°C)
30. PIPELINE/TOPSIDES SPEC. BREAK IS TO BE LOCATED AT THE FIRST ISOLATION VALVES DOWNSTREAM OF THE TEMPORARY PIG LAUNCHER UNIT.
31. DELETED
32. CHEMICAL INJECTION POINT

REFERENCE DRAWINGS

DRG.No.	REV	TITLE

REV	REASON FOR ISSUE	DATE	DRN.	CKD.	BY ENG	ENG CKD.	L.E. APP'D	NEXEN APP'D
Z1	AD-HOC AS-BUILT (SIC0012)	03/05/16	DD	SB	SB	AH	AH	TR
13	AS BUILT PER SEQ1227	07/06/07	EO	EHC	EHC	AL	AL	GL
12	AS BUILT TO INCLUDE S1091 & S1080	12/12/03	DT	SH			DB	MS
11	AS BUILT FOR TELFORD	06/11/01	AD	GWN				
10	AS BUILT	09/12/97	DH	GWN			KJH	
1	REVISED FOR CONSTRUCTION	25/03/96	DR	VCC			DMB	

REV	REASON FOR ISSUE	DATE	DRN.	CKD.	BY ENG	ENG CKD.	L.E. APP'D	NEXEN APP'D
Z3	AS-BUILT FOR STW576	14/9/18	DS	MM	MM	JF	AH	M
Z2	AS-BUILT FOR SMOC1875	19/12/16	DD	LM	LM	AH	AH	TR

nexen
Nexen Petroleum U.K. Limited
Nexen House,
Hareness Road, Altens,
Aberdeen, AB12 3LE
Tel: (01224) 371100
Fax: (01224) 371101

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SCOTT

WorleyParsons resources & energy

TITLE
PIPING & INSTRUMENT DIAGRAM
TELFORD PRODUCTION FLOW LINE No. 3

DRAWING No.
SCOTT-FW-0000-PR-PD-0008-03

PROJECT	ORIG	AREA/MOD	DISC	TYPE	SEQ. No	SHT.	REV	SCALE
							Z3	NONE