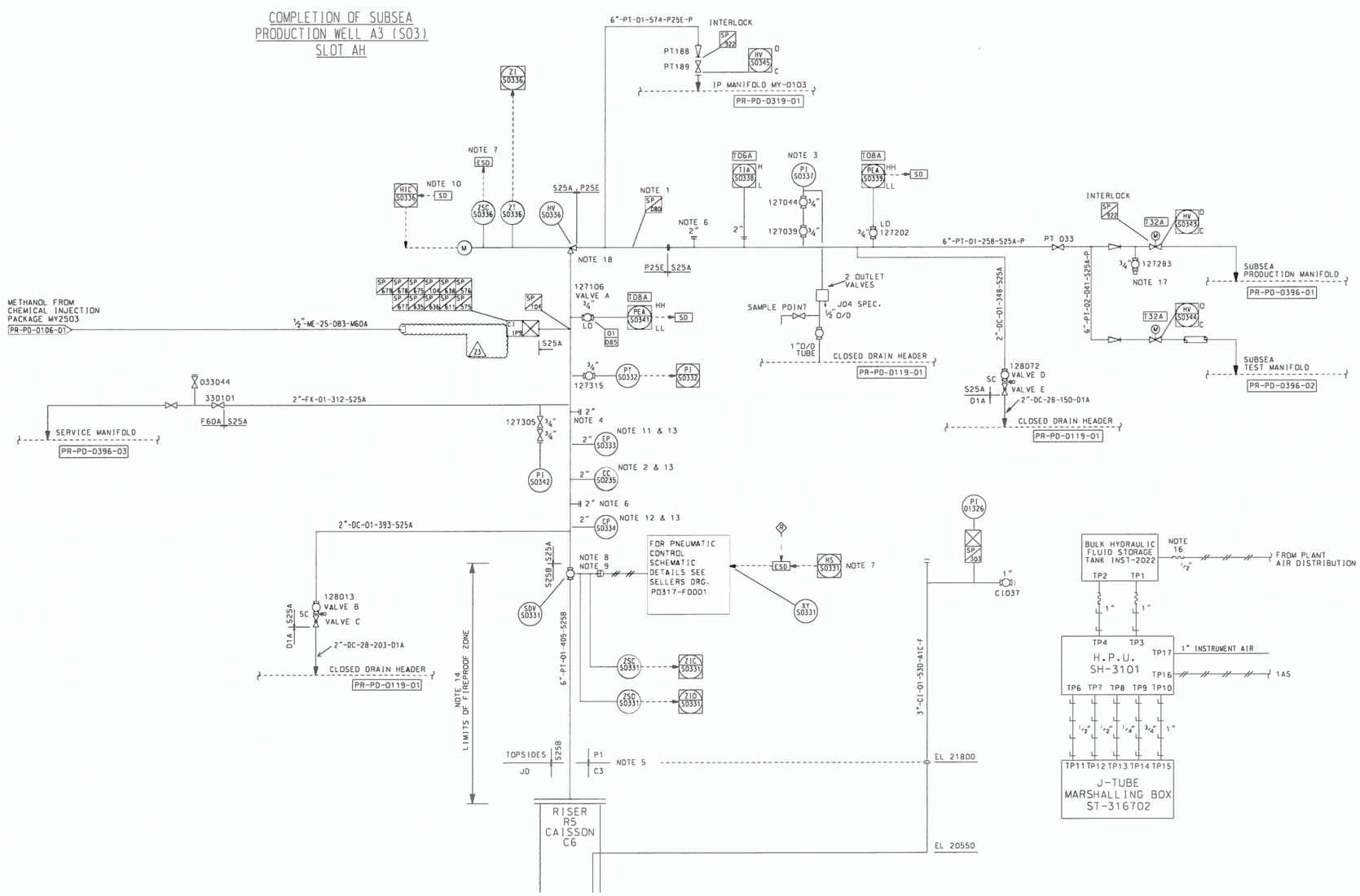

NOTES

1. EROSION PROTECTION. REINFORCED OR CLADDED SPOOL PIECE.
2. CORROSION COUPON ASSEMBLYS. THIS NEEDS TO BE ACCESSED BY THE RETRIEVAL TOOL AND LOCATED AT BEND OUTLET IN VERTICAL SECTION OF THE FLOWLINE.
3. INST. CONNECTIONS etc. TO BE ON TOP OF LINE OR VERTICAL RUN TO AVOID SAND BLOCKAGE.
4. CONNECTIONS FOR THE FUTURE INSTALLATION OF ULTRASONIC SAND MONITORING PROBES. SAND PROBES TO HAVE STRAIGHT LENGTHS OF 10D UPSTREAM AND 5D DOWNSTREAM.
5. HOOK-UP INTERFACE NoS. 301-308.
6. MULTI-PURPOSE CHEMICAL INJECTION CONNECTION.
7. FLOWLINE SHUTDOWN VALVE (SDV-S0331) AND CHOKE VALVE (HV-S0336) ARE TO BE INTERLOCKED SUCH THAT SDV-S0331 CANNOT BE OPENED UNTIL HV-S0336 IS CLOSED. (LIMIT SWITCH INTERLOCK IN ESD) ON SHUTDOWN SDV-S0331 WILL CLOSE IRRESPECTIVE OF CHOKE POSITION.
8. SDV-S0331 SHALL BE LOCATED AS CLOSE TO THE TOPSIDES/JD INTERFACE AS PRACTICABLE.
9. SDV S0331 TO BE A WELDED IN VALVE.
10. CHOKE VALVE HV S0336 IS DRIVEN CLOSED ON SHUTDOWN FROM ESD SYSTEM VIA DCS.
11. CONNECTION FOR THE INTRUSIVE SAND EROSION PROBE TO HAVE STRAIGHT LENGTHS OF 10D UPSTREAM AND 5D DOWN STREAM AND ALSO BE LOCATED IN VERTICAL SECTION ON THE FLOW LINE.
12. CORROSION PROBE NOZZLE TO BE LOCATED AT THE BOTTOM OF THE HORIZONTAL SECTION OF THE FLOW LINE AND DOES NOT NEED TO BE RETRIEVED UNDER LINE PRESSURE.
13. CORROSION COUPONS, CORROSION PROBES AND SAND EROSION PROBES ALL HAVE 2" ACCESS FITTINGS (FLARE WELD TYPE). CONNECTIONS TO BE SUPPLIED BY INSTRUMENTS.
14. FIREPROOFED ZONE. PIPE AND ATTACHMENTS TO BE INSULATED WITH CHARTEK. REF. PIPE SUPPORT SCHEDULES AND FIRE INSULATION OF PIPE SUPPORTS SEE DRG No. SCOTT-FW-18261-SK-L-156 INSULATION LIMITS FROM INTERFACE AT EL 21500 TO ANCHOR SOUTH OF SDV S0331 SEE DRG. No. SCOTT-FW-CT-SP-0006
15. DELETED.
16. SEE SUBSEA CONTROLS TOPSIDE INTERFACE DIAGRAM DRG No. SCOTT-FE-0100-CU-DG-7001-01
17. BLIND FLANGE FITTED WITH BLEED FACILITY.
18. A3 CHOKE VALVE HAS BEEN REPLACED IN 2005 WITH A TRANSITION SEAL RING TO CONNECT THE INCORRECT SIZED VALVE TO THE PIPELINE HUBS. REFER TO SE01235 FOR DETAILS.

ONLY ACTIVATED TRACE HEATING IS SHOWN ON P & ID. ALL OTHER INSTALLED TRACE HEATING IS NOT ACTIVATED AND NOT SHOWN ON P & ID.

FOR APPROVAL SIGNATURES SEE ARCHIVED DRAWING AT REV 0

REFERENCE DRAWINGS

DRG.No.	REV	TITLE

REV	REASON FOR ISSUE	DATE	DRN.	CKD.	BY ENG	ENG CKD.	L.E. APP'D	CNOOC APP'D
Z2	AS BUILT FOR S1C0063	21/01/18	DD	ppTF	ppTF	JL	JL	
Z1	AS BUILT FOR S1C0030	27/02/17	DD	SG	SG	AH	AH	TR
13	AS BUILT TO INCLUDE SEO 1473	01/10/10	KR	KJ	EM	MJ	MJ	TR
12	AS BUILT TO INCLUDE SEO 1227	22/10/08	JS	EC	EC	AL	AL	GL
11	AS BUILT TO INCLUDE S1081	10/08/04	DRG	SH	AH	BH	SC	
10	AS BUILT TO INCLUDE S1084	03/12/03	DT	SH	AH	DB	MS	

REV	REASON FOR ISSUE	DATE	DRN.	CKD.	BY ENG	ENG CKD.	L.E. APP'D	CNOOC APP'D
Z3	AS BUILT FOR 21030954	02/07/19	ppLM	LM	LM	JL	JL	

cnooc

THIS IS A C.A.D. PRODUCED DRAWING AND SHOULD NOT BE MANUALLY MODIFIED

SCOTT

Worley energy | chemicals | resources

TITLE
PIPING AND INSTRUMENT DIAGRAM
SUBSEA COMPLETION PRODUCTION WELL
A3 (S03) SLOT AH

DRAWING No.
SCOTT-WG-0000-PR-PD-0397.02

Z3 | NTS

PROJECT | ORIG | AREA/MOD | DISC | TYPE | SEQ. No. | SHT. | REV | SCALE