



- 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 100 UPSTREAM AND 50 DOWNSTREAM.
 5. HOOK-UP INTERFACE NOS. 301-308.
 6. MULTI-PURPOSE CHEMICAL INJECTION CONNECTION.
 7. FLOWLINE SHUTDOWN VALVE (SDV-S0231) AND CHOKE VALVE (HV-S0236) ARE TO BE INTERLOCKED SUCH THAT SDV-S0231 CANNOT BE OPENED UNTIL HV-S0236 IS CLOSED. (LIMIT SWITCH INTERLOCK IN ESD) ON SHUTDOWN SDV-S0231 WILL CLOSE IRRESPECTIVE OF CHOKE POSITION.
 8. SDV-S0231 SHALL BE LOCATED AS CLOSE TO THE TOPSIDES/JD INTERFACE AS PRACTICABLE.
 9. SDV S0231 TO BE A WELDED IN VALVE.
 10. CHOKE VALVE HV S0236 IS DRIVEN CLOSED ON SHUTDOWN FROM ESD SYSTEM VIA DCS.
 11. CONNECTION FOR THE INTRUSIVE SAND EROSION PROBE TO HAVE STRAIGHT LENGTHS OF 100 UPSTREAM AND 50 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 S0231 SEE DRG. No. SCOTT-FW-C1-SP-0006
 15. DELETED.
 16. SEE SUBSEA CONTROLS TOPSIDE INTERFACE DIAGRAM DRG NO. SCOTT-FE-0100-CU-DG-7001-01
- 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									
			23	AS BUILT FOR 21030954	21/01/19	DD	ppTF	ppTF	JL	JL	
			22	AS BUILT FOR S100063	03/03/17	DD	SG	SG	AH	AH	TR
			21	AS BUILT FOR S100030	01/10/10	KJ	KR	EM	MU	MU	TR
			11	AS BUILT TO INCLUDE SEQ1473	02/12/03	AF	SH	-	AH	DB	MS
			10	AS BUILT TO INCLUDE S1084							
			REV	REASON FOR ISSUE	DATE	DRN	CKD	BY ENG	ENG CKD	L.E. APPD	CNOOC APPD
			REV	REASON FOR ISSUE	DATE	DRN	CKD	BY ENG	ENG CKD	L.E. APPD	CNOOC APPD



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
A2 (S02) SLOT AG

DRAWING No.
SCOTT-WG-0000-PR-PD-0397.01

23 NTS

PROJECT ORG AREA/NOO DSC TYPE SEQ. No. SHT. REV SCALE