

TABLE 1

SCOPE/UNIT	TREE	WHD	HYDRAULIC SUPPLY HOSES				LIMIT SWITCH CABLING				PRESSURE MONITORING	
			DHSV	MV	PWV	SWV	ZSD/ZSC	ZSD/ZSC	ZSD/ZSC	ZSD/ZSC	U/S PWV	P/P1
C4	TBC	J16	18	T1802	T1803	T1809	T1807	T1803A	T1809	T1807	T1806/T1808	
C4	ST79	J25	15	T1502	T1503	T1509	T1507	T1503A	T1509	T1507	T1506/T1508	
C4	ST73	J7	20	T2002	T2003	T2009	T2007	T2003A	T2009	T2007	T2006/T2008	

SCOPE/UNIT	TREE	WHD	PIPING		PRODUCTION LINE	METHANOL INJECTION LINE	SCALE INHIBITOR INJECTION LINE	DELETED NOTES FOR "TREE OFF" PHASE
			SERVICE/KILL MANIFOLD (TPs 01 TO 03)	(TPs 04 AND 05)				
C4	TBC	J16	18	2"-FK-01-297-F60A	6"-PI-01-217-S25A	1/2"-WE-25-068-M60A	FROM P-2540-L	3, 28
C4	ST79	J25	15	2"-FK-01-294-F60A	6"-PI-01-214-S25A	1/2"-WE-25-065-M60A	FROM P-2540-I	3, 26
C4	ST73	J7	20	2"-FK-01-299-F60A	6"-PI-01-219-S25A	1/2"-WE-25-070-M60A	FROM P-2540-N	3, 28

TOPSIDE PRODUCTION  
WELLHEAD J3  
WHD 12 SLOT BB  
2"-VT-01-512-F-ETHIS IS A C.A.D. PRODUCED DRAWING AND  
MUST NOT BE MODIFIED MANUALLY.

## NOTES

1. TAG NUMBER COULD NOT BE LOCATED ON SITE.
2. WIRELINE CONTROL CONNECTION POINT (414 BARG).
3. ~~DELETED~~
4. WIRELINE CONTROL CONNECTION POINT (690 BARG).
5. WING AND MASTER VALVE WILL NOT OPEN UNLESS CHOKE VALVE IS CLOSED.
6. MULTI-PURPOSE CHEMICAL INJECTION CONNECTION.
7. EROSION PROTECTION, REINFORCED OR CLADDED SPOOL PIECE.
8. CORROSION COUPON ASSEMBLY. THIS NEEDS TO BE ACCESSED BY THE RETRIEVAL TOOL AND LOCATED AT BEND OUTLET IN VERTICAL SECTION OF FLOWLINE.
9. INSTRUMENT CONNECTIONS ETC. TO BE ON TOP OF LINE OR VERTICAL RUN TO AVOID SAND BLOCKAGE.
10. CONNECTION FOR FUTURE INSTALLATION OF ULTRASONIC SAND MONITORING PROBES. SAND PROBES TO HAVE STRAIGHT LENGTHS OF 10D UPSTREAM AND 5D DOWNSTREAM.
11. ANNULUS MONITORING CASING CASING.
12. ~~DELETED~~.
13. CLOSURE CHOKES ON WELLHEAD SHUTDOWN VIA DCS.
14. VLOSE DRAIN LINE TAKE OFF IS FROM THE LOW POINT OF THE HEADER.
15. ~~DELETED~~.
16. ~~DELETED~~.
17. MATING FLANGES TO BE 10000# API.
18. 3000 PSI API RATING.
19. SYSTEM IN OVERRIDE MODE FOR SSSV EQUILISATION.
20. SYSTEM IN OVERRIDE MODE FOR FLOWLINE VENTING.
21. CONNECTION FOR THE INTRUSIVE SAND EROSION PROBE TO HAVE STRAIGHT LENGTHS OF 10D UPSTREAM AND 5D DOWNSTREAM AND ALSO BE LOCATED IN THE VERTICAL SECTION OF THE FLOWLINE.
22. CORROSION PROBE IS TO BE LOCATED AT THE BOTTOM OF THE HORIZONTAL SECTION OF THE FLOWLINE AND DOES NOT NEED TO BE RETRIEVED UNDER LINE PRESSURE.
23. CORROSION COUPONS, CORROSION PROBES AND SAND EROSION PROBES ALL HAVE 2" ACCESS FITTINGS (FLAREWELD TYPE). CONNECTIONS TO BE SUPPLIED BY INSTRUMENTS.
24. SHUTS DOWN ALL TOPSIDE WING AND MASTER VALVES AND INITIATES CLOSURE OF CHOKE VALVES VIA DCS.
25. DCS PERMISSIVE TO ALLOW LOCAL OPERATOR TO OPEN INDIVIDUAL WING VALVES. PERMISSIVE SIGNAL IS AVAILABLE FOR 5 MINUTES FROM DCS INITIATION.
26. MOUNTED ON LOCAL WIRELINE PANEL.
27. MALFUNCTION ALARM, DERIVED FROM DCS, IS INITIATED FOR EVERY PILOT STATUS ALARM (PALL T1215A, PAHH T1214A, PALL T1220A) AND CORRESPONDING TAGS FOR ALL 28 WELLHEADS.
28. 5000 PSI API RATING.
29. ~~DELETED~~.

DRG No.

DRAWING TITLE

REFERENCE DRAWINGS

C4	RE-APPROVED FOR CONSTRUCTION	16.01.19	LM	JL	JL
C3	RE-APPROVED FOR CONSTRUCTION	09.11.18	LM	JL	JL
C2	RE-APPROVED FOR CONSTRUCTION	07.12.16	LM	AH	JL
C1	APPROVED FOR CONSTRUCTION	01.06.16	SB	AH	AH
R1	ISSUED FOR COMMENT	26.04.16	SB	AH	AH

REV	DESCRIPTION OF REVISION	DATE	DRN BY	ENG CKD	LE APPD	DATE
-----	-------------------------	------	--------	---------	---------	------

CLIENT



PLANT: SCOTT

LOCATION: DP PLATFORM

CONTRACT No.: 14020540

UNIT No.: GEDS

NEXEN DRAWING NUMBER  
SCOTT0005-SCOTT-FW-0000-PR-PD-0395-12-TP01TITLE:  
SCOTT INFILL DRILLING CAMPAIGN  
PIPING AND INSTRUMENT DIAGRAM  
GENERIC NO GAS LIFT 'TREE OFF' PHASE (CONSTRUCT)

DRN BY	DATE	ENG CKD	DATE	LE APPD	DATE
SB	26.04.16	AH	26.04.16	AH	26.04.16

SCALE

WORLEYPARSONS DRAWING NUMBER

0540-110-GEDS-PID-001-001

AUTOCAD

A

B

C

D

E

F

G

A

B

C

D

E

F

G



AS-BUILT

PRINT NAME: ALAN CANNILL

Signature:

Date: 03/02/20

AS-BUILT CHANGE: ☐AS-BUILT NO CHANGE: ☒THIS DRAWING WAS PRODUCED FROM SCOTT MASTER  
DRAWING NO. SCOTT-WG-0000-PR-PD-0395-12,  
REV 12 TO SHOW THE GENERIC "TREE OFF" PHASE  
FOR SCOTT INFILL DRILLING WELLS WITH NO GAS  
LIFT AND IS TO BE USED FOR INFORMATION WITHIN  
THE CLOUDED AREAS ONLY.

## PROJECT NOTES

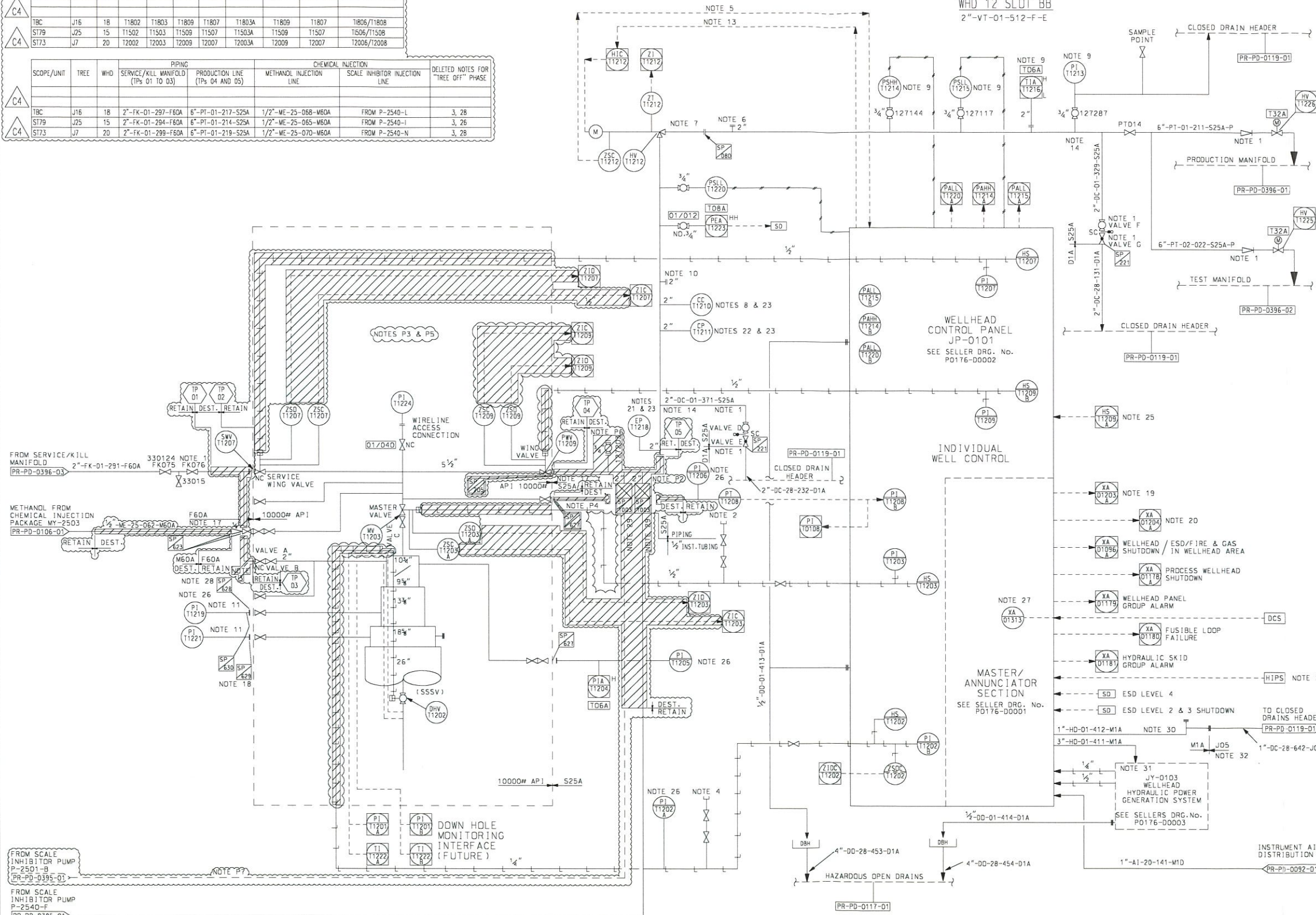
- P1. FOR GENERIC DESTRUCT SCOPE, REFER TO DRAWING NUMBER 0540-110-GEDS-PID-001-002.
- P2. HYDRAULIC HOSES AND INSTRUMENT TUBING TO BE CAPPED/PLUGGED AS REQUIRED.
- P3. TREE TO BE POSITIVELY ISOLATED FOR WORKOVER.
- P4. BLIND TO BE DRILLED AND TAPPED 1/2" NPT, SUPPLIED BY PIPING.
- P5. P&ID REPRESENTS A TYPICAL "TREE OFF" CONSTRUCT PHASE INVOLVING THE INSTALLATION OF PIPING ISOLATIONS AND INSTRUMENT TUBING CAPS AND PLUGS. LINE AND TAG NUMBER INFORMATION IS PROVIDED FOR WELL J3/SLOT BB, WHD12, FOR SPECIFIC LINE AND TAG NUMBERS FOR EACH WELL "TREE OFF" PHASE REFER TO TABLE 1 ON THIS P&ID.
- P6. AS-BUILT DETAIL APPLICABLE TO J14 ONLY. J14 HAS TWO SCALE INHIBITOR INJECTION LINES.
- P7. TREE FLANGES TO BE PROVIDED WITH SUITABLE PROTECTION.



TABLE 1

SCOPE/UNIT	TREE	WHD	HYDRAULIC SUPPLY HOSES				LIMIT SWITCH CABLING			PRESSURE MONITORING	
			DHSV	MV	PWV	SWV	WV ZSO/ZSC	PWV ZSO/ZSC	SWV ZSO/ZSC	U/S PWV PI/PT	
T8C	J16	18	T1802	T1803	T1809	T1807	T1803A	T1809	T1807	T1805/T1808	
S179	J25	15	T1502	T1503	T1509	T1507	T1503A	T1509	T1507	T1506/T1508	
S173	J7	20	T2002	T2003	T2009	T2007	T2003A	T2009	T2007	T2006/T2008	

SCOPE/UNIT	TREE	WHD	PIPING		PRODUCTION LINE	METHANOL INJECTION LINE	SCALE INHIBITOR INJECTION LINE	DELETED NOTES FOR "TREE OFF" PHASE
			SERVICE/KILL MANIFOLD (TPs 01 TO 03)	TPs 04 TO 05				
T8C	J16	18	2"-FK-01-297-F60A	6"-PT-01-217-S25A	1/2"-ME-25-068-M60A	FROM P-2540-L		3, 28
S179	J25	15	2"-FK-01-294-F60A	6"-PT-01-214-S25A	1/2"-ME-25-065-M60A	FROM P-2540-I		3, 26
S173	J7	20	2"-FK-01-299-F60A	6"-PT-01-219-S25A	1/2"-ME-25-070-M60A	FROM P-2540-N		3, 28

TOPSIDE PRODUCTION  
WELLHEAD J3  
WHD 12 SLOT BB  
2"-VT-01-512-F-ETHIS IS A C.A.D. PRODUCED DRAWING AND  
MUST NOT BE MODIFIED MANUALLY.

## NOTES

- TAG NUMBER COULD NOT BE LOCATED ON SITE.
- WIRELINE CONTROL CONNECTION POINT (414 BARG).
- WIRELINE CONTROL CONNECTION POINT (690 BARG).
- WIRELINE CONTROL CONNECTION POINT (690 BARG).
- WING AND MASTER VALVE WILL NOT OPEN UNLESS CHOKE VALVE IS CLOSED.
- MULTI-PURPOSE CHEMICAL INJECTION CONNECTION.
- EROSION PROTECTION, REINFORCED OR CLADDED SPOOL PIECE.
- CORROSION COUPON ASSEMBLY. THIS NEEDS TO BE ACCESSED BY THE RETRIEVAL TOOL AND LOCATED AT BEND OUTLET IN VERTICAL SECTION OF FLOWLINE.
- INSTRUMENT CONNECTIONS ETC. TO BE ON TOP OF LINE OR VERTICAL RUN TO AVOID SAND BLOCKAGE.
- CONNECTION FOR FUTURE INSTALLATION OF ULTRASONIC SAND MONITORING PROBES. SAND PROBES TO HAVE STRAIGHT LENGTHS OF 10D UPSTREAM AND 5D DOWNSTREAM.
- ANNULUS MONITORING CASING/CASING.
- DELETED.
- CLOSES CHOKES ON WELLHEAD SHUTDOWN VIA DCS.
- VLOSE DRAIN LINE TAKE OFF IS FROM THE LOW POINT OF THE HEADER.
- DELETED.
- DELETED.
- MATING FLANGES TO BE 10000# API.
- 3000 PSI API RATING.
- SYSTEM IN OVERRIDE MODE FOR SSSV EQUILISATION.
- SYSTEM IN OVERRIDE MODE FOR FLOWLINE VENTING.
- CONNECTION FOR THE INTRUSIVE SAND EROSION PROBE TO HAVE STRAIGHT LENGTHS OF 10D UPSTREAM AND 5D DOWNSTREAM AND ALSO BE LOCATED IN THE VERTICAL SECTION OF THE FLOWLINE.
- CORROSION PROBE IS TO BE LOCATED AT THE BOTTOM OF THE HORIZONTAL SECTION OF THE FLOWLINE AND DOES NOT NEED TO BE RETRIEVED UNDER LINE PRESSURE.
- CORROSION COUPONS, CORROSION PROBES AND SAND EROSION PROBES ALL HAVE 2" ACCESS FITTINGS (FLAREWELD TYPE). CONNECTIONS TO BE SUPPLIED BY INSTRUMENTS.
- SHUTS DOWN ALL TOPSIDE WING AND MASTER VALVES AND INITIATES CLOSURE OF CHOKE VALVES VIA DCS.
- DCS PERMISSIVE TO ALLOW LOCAL OPERATOR TO OPEN INDIVIDUAL WING VALVES. PERMISSIVE SIGNAL IS AVAILABLE FOR 5 MINUTES FROM DCS INITIATION.
- MOUNTED ON LOCAL WIRELINE PANEL.
- MAJUNCTION ALARM, DERIVED FROM DCS, IS INITIATED FOR EVERY PILOT STATUS ALARM (PALL T1215A, PAHH T1214A, PALL T1220A) AND CORRESPONDING TAGS FOR ALL 28 WELLHEADS.
- 5000 PSI API RATING.
- SCALE INHIBITOR INJECTION PUMP WITH INTERNAL CHECK VALVE AND DOUBLE BLOCK AND BLEED.

## PROJECT NOTES

- P1. FOR GENERIC CONSTRUCT SCOPE, REFER TO DRAWING NUMBER 0540-110-GEDS-PID-001-001.
- P2. SCALE INHIBITOR INJECTION QUILT WITH INTEGRAL CHECK VALVE AND DOUBLE BLOCK AND BLEED VALVES TO BE RETAINED FOR RE-USE.
- P3. TREE TO BE POSITIVELY ISOLATED FOR WORKOVER.
- P4. TUBING TO BE DISCONNECTED AT TREE END TO NEAREST UNION. INSTRUMENTS TO REMAIN IN PLACE.
- P5. P&ID REPRESENTS A TYPICAL "TREE OFF" DESTRUCT PHASE INVOLVING THE POSITIVE ISOLATION AND REMOVAL OF THE WELL TREE AND ANNULUS CONNECTIONS.

- THE FOLLOWING FACILITIES TO EACH TREE ARE TO BE DISCONNECTED:
- HYDRAULIC SUPPLY HOSES (DHSV, MV, PWV & SWV)
  - LIMIT SWITCH SIGNAL CABLES (MV, PWV & SWV)
  - PIPEWORK (SERVICE/KILL MANIFOLD AND PRODUCTION MANIFOLD)
  - TUBING (SCALE INHIBITOR, METHANOL INJECTION AND PRESSURE MONITORING)
- LINE AND TAG NUMBER INFORMATION IS PROVIDED FOR WELL J3/SLOT BB, WHD12, FOR SPECIFIC LINE AND TAG NUMBERS FOR EACH WELL "TREE OFF" PHASE REFER TO TABLE 1 ON THIS P&ID.

- P6. THERE IS NO VENT VALVE ON  
P7. AS-BUILT DETAIL APPLICABLE  
TWO SCALE INHIBITOR INJECTION

WorleyParsons  
resources & energy

AS-BUILT

PRINT NAME: AVAN CAMMIE

Signature: *AVAN CAMMIE*

Date: 03/03/20

AS-BUILT CHANGE: ☐AS-BUILT NO CHANGE: ☒DENOTES SCOPE TO BE  
DESTRUCTED

THIS DRAWING WAS PRODUCED FROM SCOTT MASTER  
DRAWING NO. SCOTT-WG-0000-PR-PD-0395-12.  
REV 12 TO SHOW THE GENERIC "TREE OFF" PHASE  
FOR SCOTT INFILL DRILLING WELLS WITH NO GAS  
LIFT AND IS TO BE USED FOR INFORMATION WITHIN  
THE CLOUDED AREAS ONLY.

REFERENCE DRAWINGS		DRAWING TITLE	
C4	RE-APPROVED FOR CONSTRUCTION	16.01.19	LM JL JL
C3	RE-APPROVED FOR CONSTRUCTION	09.11.18	LM JL JL
C2	RE-APPROVED FOR CONSTRUCTION	07.12.16	LM AH JL
C1	APPROVED FOR CONSTRUCTION	01.06.16	SB AH AH
R1	ISSUED FOR COMMENT	26.04.16	SB AH AH
REV.	DESCRIPTION OF REVISION	DATE	ENGR BY ENG CKD LE APPD NEXEN APPD



PLANT: SCOTT  
LOCATION: DP PLATFORM  
CONTRACT No.: 14020540 UNIT No.: GEDS

NEXEN DRAWING NUMBER  
SCOTT0005-SCOTT-FW-0000-PR-PD-0395-12-TP02

TITLE: SCOTT INFILL DRILLING CAMPAIGN  
PIPING AND INSTRUMENT DIAGRAM  
GENERIC NO GAS LIFT "TREE OFF" PHASE (DESTRUCT)

DRN BY	DATE	ENG CKD	DATE	LE APPD	DATE
SB	25.04.16	AH	26.04.16	AH	26.04.16
SCALE: WORLEYPARSONS DRAWING NUMBER					
NTS	0540-110-GEDS-PID-001-002				

M1

AUTOCAD



