



ETWA - WO# 1259102

PLATONG - PM

Revision	Date	Reason for Issue/Change	CMOR #	Enter by
1	19-Sep-17	Review job card by field	0783/17	Buyarit Y.

JOB CARD NUMBER: 1Y FIXED DIESEL GENERATOR 10KW (PERKIN) PM
SKID/EQUIPMENT: SKID ; DIESEL GENERATOR ET-SK8010-ETWA
OPT. SEQUENCE: 10 1Y FIXED DIESEL GENERATOR 10KW (PERKIN) PM
WORK CENTER: PLMOT
CREW SIZE 4 **DURATION** 12 **EST. MAN-HRS** 48 **RESOURCE DESCRIPTIONS** MAINTENANCE & OPERATION TEAM, PLATONG

EQUIPMENT CRITICALITY: **REQUIRED OPERATIONAL STATUS:**
ECA: 2 **IC:** NA **PLANT:** N/A **EQUIPMENT:** N/A

MFGR, INDUSTRY REFERENCES AND ENGINEERING RECOMMENDATION:

- ADEX SONEX (Package)
- STAMFORD (ALTERNATOR)

EQUIPMENT UNDER THIS PM TASK:**** APPLY FOR PLATFORM AS LIST BELOW ****

- ET-SK8010-ETWA
- KP-SK8010-KPWK
- KP-SKG8010-KPWJ
- PD-SKG8010-PDWC
- PL-SK8010-PLWK
- PL-SK8010-PLWN
- PL-SKG8010-PLWJ
- PL-SKG8010-PLWL
- PL-SKG8010-PLWM
- SP-SKG8010-SPWA
- WP-SKG8010-WPWB

SPARE PARTS REQUIREMENT.

STOCK	CODE	DESCRIPTION	QTY	UNIT
23457		FUEL FILTER	1	EA.
163028		LUBE OIL FILTER	1	EA.
154548		AIR FILTER	1	EA.
154666		V BELT COOLING FAN	1	EA.
52630		COOLANT INHIBITOR	1	EA.
173789		ROCKER ARM COVER GASKET	1	EA.

JOB INSTRUCTION**MAINT & OPERATION TASKS:**COMPLETED
(YES) (NO)**1) PRE-REQUISITE TASKS:**

- 1.1 OBTAIN WORK PERMIT, REVIEW HA/JSA AND TOOLBOX MEETING. (✓) () REMARKS: _____
*****BEFORE START GEN*****
 1.2 WALK AROUND AND CHECK ENCLOSURE DOOR IF DAMAGE MUST TO REPORT MOT-SHOP IMMEDIATELY
 1.3 CHECK EQUIPMENT CONDITION ON SYSTEMS FOR SIGN OF BURNT, LOOSE AND CRACKED CONNECTION. (✓) () REMARKS: _____
 1.4 CHECK CONDITION OF FUEL SOLENOID VALVE. IF LOOSE OR DAMAGE MUST TO REPAIR. (✓) () REMARKS: _____



1.5 CHECK CONDITION OF **AIR SHUT OFF VALVE**. IF CRACKED OR DAMAGE MUST TO REPAIR.

(✓) () REMARKS: _____

1.6 CHECK CONDITION OF **RECEPTACLE PLUG AND GROUNDING**.

(✓) () REMARKS: _____

1.7 VISUAL CHECK BELT, LUBE OIL LEVEL, JACKET WATER LEVEL AMOT, CONDITION AND ANY LEAK.

(✓) () REMARKS: _____

2) PRE-RUN AND RECORD:

2.2 START GENERATOR FOR DRY OUT **WITH OUT LOAD MORE THAN 10 MIN** BY DISCONNECT F1 AND F2 FROM AVR.

(✓) () REMARKS: _____

2.3 DURING GENERATOR RUNING MONITOR, CHECK FOR ANY LEAK, ABNORMAL NOISE IF ADDRESS ABNORMAL CONDITION MUST TO STOP **IMMEDIATELY**.

(✓) () REMARKS: _____

2.4 NORMAL STOP THE GENERATOR.

(✓) () REMARKS: _____

2.4 RE-CONNECT F1 AND F2 TO AVR.

(✓) () REMARKS: _____

3) EQUIPEMENT INSPECTIONS :

*** RELEASED HYDRAULIC STARTER PRESSURE TO 0 PSI ***

ENGINE

3.1 CHECK EQUIPMENTCONDITION ON SYSTEMS FOR SIGN OF BURNT, LOOSE AND CRACKED CONNECTION.

3.1.1 STARTOR MOTOR CONDITION.

(✓) () REMARKS: _____

3.1.2 CLEAN MAGNETIC PICK UP SENSOR.

(✓) () REMARKS: _____

3.1.3 FUEL SOLENOID VALVE CONDITION.

(✓) () REMARKS: _____

3.1.4 TIGHTNESS FITTING AND TUBING CONDITION.

(✓) () REMARKS: _____

3.1.5 RADIATOR LEVEL SWITCH CONDITION.

(✓) () REMARKS: _____

3.1.6 FUNCTION CHECK AMOT OF AIR / FUEL SHUT OFF

(✓) () REMARKS: _____

3.1.7 MONITOR WITH HMI TO PERFORM ALARM AND SHUTDOWN INSPECTION.

(✓) () REMARKS: _____

ALTERNATER

3.1 CHECK EQUIPMENTCONDITION ON SYSTEMS FOR SIGN OF BURNT, LOOSE AND CRACKED CONNECTION. (SELECT 250 VOLT FROM MEG.OHM METER)

3.1.1 CHECK INSULATION RESISTANCE MAIN STATOR (>2 MΩ)

= 3.82 MΩ

(✓) () REMARKS: _____

3.1.2 CHECK INSULATION RESISTANCE EXCITER STATOR (>2 MΩ)

= 4.80 MΩ

(✓) () REMARKS: _____

3.1.3 CHECK WINDING RESISTANCE EXCITER STATOR (F+, F-)

= 20.1 Ω (NORMAL = 18.5 Ω +/- 1.85 Ω)

(✓) () REMARKS: _____

3.1.4 CHECK WINDING RESISTANCE MAIN STATOR

(NORMAL = 0.353 Ω +/- 10%)

L1 - N = 0.6 Ω

(✓) () REMARKS: _____

L2 - N = 0.5 Ω

(✓) () REMARKS: _____

L3 - N = 0.6 Ω

(✓) () REMARKS: _____

**** IF INSULATION RESISTANCE VALUE LOWER THAN 2MΩ,**

PLEASE CONTACT IE SHOP IMMEDIATELY **

3.1.5 CHECK CABLE OUTPUT CONNECTION, TIGHTEN, CLEAN

NOTE: RE-INSTALL WIRING TERMINAL USE TORQUE 10 FT/LB.

(✓) () REMARKS: _____

3.1.6 CHECK CONDITION OF GENERATOR RECEPTACLE, AND CABLE CONNECTION INSIDE RECEPTAC PLUG FOR CORRODED, LOOSEN.

(✓) () REMARKS: _____

UNIT CONTROL PANEL

3.3 CHECK INTERIOR CONTROL PANEL FOR LOOSE OR BROKEN CONNECTIONS, AND RETIGHTEN AS NECESSARY.

(✓) () REMARKS: _____

3.4 CHECK PANEL INDICATOR LAMPS & SWITCHES FOR DEFECTS.

(✓) () REMARKS: _____

3.5 CHECK ALL GAUGE FOR DEFECTS OR CRACK AND CHECK SET POINT.

3.5.1 INSPECTION ENGINE OIL LOW PRESSURE ALARM GAUGE (30 PSI).

(✓) () REMARKS: _____

3.5.2 INSPECTION ENGINE OIL LOW PRESSURE SHUTDOWN GAUGE (25 PSI).

(✓) () REMARKS: _____

3.5.3 INSPECTION ENGINE OIL HIGH TEMP ALARM GAUGE (220 F).

(✓) () REMARKS: _____

3.5.4 INSPECTION ENGINE OIL HIGH TEMP SHUTDOWN GAUGE



- (240 F). (✓) () REMARKS: _____
- 3.5.5 INSPECTION ENGINE JW HIGH TEMP ALARM GAUGE (210 F). (✓) () REMARKS: _____
- 3.5.6 INSPECTION ENGINE JW HIGH TEMP SHUTDOWN GAUGE (220 F). (✓) () REMARKS: _____
- 3.6 CHECK ALL CONTROL RELAYS, ALTRONIC CONTROLLER TERMINAL FOR RE-TIGHTEN AND STATUS. (✓) () REMARKS: _____
- 3.7 INSPECT MAIN CIRCUIT BREAKER TERMINAL AND TIGHTNESS (✓) () REMARKS: _____
- 3.8 CHECK POWER SUPPLY TO CONTROLLER AND RECORD VOLTAGE = 25.1 VDC. (NORMAL : 24 VDC) (✓) () REMARKS: _____

FIER AND GAS SYSTEM

- 3.9 INSPECT THE GAS DETECTOR FOR LOOSE OR BROKEN CONDITION. (✓) () REMARKS: _____
- 3.10 CHECK STATUS READING ON WELL-HEAD HMI. (✓) () REMARKS: _____
- 3.11 CHECK THE RESULT OF GAS DETECTOR READING OR CALIBRATION GAS METHANE.
- GD-0008 READING ZERO = 0 % SPAN = - % (✓) () REMARKS: _____
- FUNCTION TEST ALARM HIGH @ 20% LEL (✓) () REMARKS: _____
- FUNCTION TEST ALARM HIGH @ 40% LEL (✓) () REMARKS: _____
- FUNCTION SHUTDOWN DIESEL GENERATOR (✓) () REMARKS: _____
- GROUNDING (✓) () REMARKS: _____
- 3.12 INSPECT TIGHTNESS ALL GROUND CABLE IN ENCLOSURE AND PACKAGE. (✓) () REMARKS: _____

4) POST- RUN AND FUNCTION TEST RECORD:

- 4.1 START THE ENGINE AND RECORD PARAMETERS
- 4.1.1 ENGINE SPEED = 1829 RPM (✓) () REMARKS: _____
- 4.1.2 ENGINE LUBE OIL PRESSURE = 65 PSI (✓) () REMARKS: _____
- 4.1.3 ENGINE LUBE OIL TEMPERATURE = 172 °F (✓) () REMARKS: _____
- 4.1.4 ENGINE JACKET WATER TEMPERATURE = 180 °F (✓) () REMARKS: _____
- 4.1.5 ENGINE RUN HOUR METER = _____ Hrs. (✓) () REMARKS: _____
- 4.1.6 RECORD VOLTMETER
- L1-L2 = 207.1 Vac. (✓) () REMARKS: _____
- L1-L3 = 207.2 Vac. (✓) () REMARKS: _____
- L2-L3 = 207.2 Vac. (✓) () REMARKS: _____
- L1-N = 119.5 Vac. (✓) () REMARKS: _____
- L2-N = 119.5 Vac. (✓) () REMARKS: _____
- L3-N = 119.6 Vac. (✓) () REMARKS: _____
- 4.1.7 RECORD AMPMETER
- L1 = 10.38 Amp. (✓) () REMARKS: _____
- L2 = 1.25 Amp. (✓) () REMARKS: _____
- L3 = 10.02 Amp. (✓) () REMARKS: _____
- 4.1.8 RECORD FREQUENCY = 60.33 Hz. (✓) () REMARKS: _____
- 4.2 FUNCTION TEST
- 4.2.1 ENGINE OIL LOW PRESSURE ALARM GAUGE (30 PSI). (✓) () REMARKS: _____
- 4.2.2 ENGINE OIL LOW PRESSURE SHUTDOWN GAUGE (25 PSI) (✓) () REMARKS: _____
- 4.2.3 ENGINE OIL HIGH TEMP ALARM GAUGE (220 F). (✓) () REMARKS: _____
- 4.2.4 ENGINE OIL HIGH TEMP SHUTDOWN GAUGE (240 F). (✓) () REMARKS: _____
- 4.2.5 ENGINE JW HIGH TEMP ALARM GAUGE (210 F). (✓) () REMARKS: _____
- 4.2.6 ENGINE JW HIGH TEMP SHUTDOWN GAUGE (220 F). (✓) () REMARKS: _____
- 4.2.7 LAMP TEST ON UCP PANEL. (✓) () REMARKS: _____
- 4.2.8 EMERGENCY STOP BY AIR SHUT OFF. (✓) () REMARKS: _____
- 4.2.9 EMERGENCY STOP BY A-MOT HANDLEE. (✓) () REMARKS: _____
- 4.2.10 FUNCTION TEST GFCI FAULT ALARM. (✓) () REMARKS: _____
- 4.3 ON LOAD TEST 30 MINS. AND RECORD PARAMETER IN TABLE.

ITEM	@ 5 Minute	@ 10 Minute	@ 15 Minute	@ 20 Minute	@ 25 Minute	@ 30 Minute
1. ALTERNATOR TEMP (F.)						
2. VOLTAGE L-L (Vac.)	<u>207</u>	<u>207</u>	<u>207</u>	<u>207</u>	<u>207</u>	<u>207</u>
3. VOLTAGE L-N (Vac.)	<u>119</u>	<u>119</u>	<u>119</u>	<u>119</u>	<u>119</u>	<u>119</u>
4. FREQUENCY (Hz)	<u>60.33</u>	<u>60.32</u>	<u>60.33</u>	<u>60.32</u>	<u>60.32</u>	<u>60.32</u>
5. POWER FACTOR.	<u>0.99</u>	<u>0.99</u>	<u>0.98</u>	<u>0.98</u>	<u>0.98</u>	<u>0.98</u>
6. REAL POWER (kW)	<u>4.0</u>	<u>4.0</u>	<u>4.0</u>	<u>4.0</u>	<u>4.0</u>	<u>4.0</u>
7. CURRENT (Amp)	<u>21.98</u>	<u>21.95</u>	<u>21.97</u>	<u>21.98</u>	<u>21.98</u>	<u>21.98</u>

**5) JOB COMPLETED**

- 5.1 STOP THE ENGINE AND CHECK EQUIPMENTS FOR LEAK OR LOOSEN. (✓) () REMARKS: _____
- 5.2 ENSURE THE EQUIPMENT ARE LEFT IN SAFE CONDITION. (✓) () REMARKS: _____
- 5.3 REPORT TO AREA CONTROLLER OR CONTROL ROOM TO COMPLETED JOB. (✓) () REMARKS: _____

MECHANICAL TASKS:**COMPLETED
(YES) (NO)**

- 1) CHECK OR CHANGE AIR FILTER IF DIRTY. (✓) () REMARKS: _____
- 2) CHANGE ENGINE LUBE OIL AND OIL FILTER
(CALTEX DELO MULTI GRADE 15W-40). (✓) () REMARKS: _____
- 3) CLEAN UP FUEL TANK. (✓) () REMARKS: _____
- 4) CHANGE FUEL FILTER. (✓) () REMARKS: _____
- 5) CHANGE WATER TRAP FILTER. (✓) () REMARKS: _____
- 6) CLEAN FUEL PUMP STRAINER AND FUEL CHECK VALVE. (✓) () REMARKS: _____
- 7) CHECK FUEL HOSES CONDITION, ENSURE THAT THERE
ARE NO SIGN OF DEFECTIVES, DEFORMED OR CRACKS,
REPLACE AS NECESSARY. (✓) () REMARKS: _____
- 8) CHECK LEVEL HYDRAULIC OIL OF START SYSTEM.
(CALTEX RANDO HD-68) (✓) () REMARKS: _____
(NORMAL: 3/4 OF SIGHT GLASS WHEN START ACCUMULATOR PRESSURE 0 PSI)
- 9) CHECK HYDRAULIC OIL LEAK FROM HYDRAULIC HAND PUMP. (✓) () REMARKS: _____
- 10) CHECK N₂ PRESSURE IN ACCUMULATOR OF START SYSTEM.
(NORMAL : 1500 PSI WHEN START ACCUMULATOR PRESSURE 0 PSI)
AS FOUND = 1500 PSI (✓) () REMARKS: _____
AS LEFT = - PSI (✓) () REMARKS: _____
- 11) CHECK PINION GEAR OF STARTER. (✓) () REMARKS: _____
- 12) CHANGE BELT OF COOLING FAN AND RECHARGING PUMP. (✓) () REMARKS: _____
- 13) CLEAN UP RADIATOR FIN AND CHANGE COOLING WATER.
MEASURE PH = 8 (✓) () REMARKS: _____
- 14) CHECK AND ADJUST VALVE CLEARANCE IF NECESSARY
(INTAKE/EXHAUST = 0.008").
CYLINDER 1 = INTAKE 0.008 / EXHAUST 0.008 (✓) () REMARKS: _____
CYLINDER 2 = INTAKE 0.008 / EXHAUST 0.008 (✓) () REMARKS: _____
CYLINDER 3 = INTAKE 0.008 / EXHAUST 0.008 (✓) () REMARKS: _____
- 15) REPLACE ROCKER ARM OF COVER GASKET. (✓) () REMARKS: _____
- 16) CLEAN UP THE UNIT. (✓) () REMARKS: _____



17) TEST RUN THE UNIT.

(✓)() REMARKS: _____

18) VISUAL INSPECT LIFTING SLING, PAD EYES FOR CRACKS, CORROSION OR DAMAGE ENSURE THAT IT IS SAFE FOR LIFTING.

(✓)() REMARKS: _____

19) RETURN UNIT TO NORMAL OPERATION.

(✓)() REMARKS: _____

=====

COMPLETED BY: Jirapong M / Pongsatarn S, DATE: 6 Oct 25

COMMENT: _____

SUPERVISOR: _____, DATE: _____



1.5Y YAWC w/o 1167725 w/o status 80

PLATONG PM

<u>Revision</u>	<u>Date</u>	<u>Reason for Issue/Change</u>	<u>CMOR #</u>	<u>Enter by</u>
1	06-Jun-2017	WHP PM Optimization	1017/17	Krittin S.
2	20-Aug-19	Revise jobcard	0721/19	MOT Team
3	6-Dec-19	Revise jobcard	1105/19	MOT Team
4	10-Feb-21	Revise Jobcard	0050/21	Songkiet M.

JOB CARD NUMBER: 1.5Y WELL HEAD PLATFORM PM**SKID/EQUIPMENT:** YA-PM-POOL-YAWC WHP PM POOL - YAWC**OPT. SEQUENCE:** 10 1.5Y WELL HEAD PLATFORM PM – MOT**WORK CENTER:** PLMOT

<u>CREW SIZE</u>	<u>DURATION</u>	<u>EST. MAN-HRS</u>	<u>RESOURCE DESCRIPTIONS</u>
6	30	180	MAINTENANCE & OPERATION, PLATONG

EQUIPMENT CRITICAL:ECA: C2IC: N/A**REQUIRED OPERATIONAL STATUS:**PLANT: ONLINEEQUIPMENT: SHUTDOWN**MFGR, INDUSTRY REFERENCES AND ENGINEERING RECOMMENDATION:**

NA

EQUIPMENT UNDER THIS PM TASK:

YA-PM-POOL-YAWC WHP PM POOL - YAWC
YA-WELL-CONTROL- YAWC
YA-V1010- YAWC
YA-TEST-SEP-METER- YAWC
YA-ASD- YAWC
YA-V1040- YAWC
YA-GAS LIFT-YAWC
YA-UG/IG- YAWC
YA-SAFETY- P YAWC
YA-ESD- YAWC
YA-POWER- YAWC

SPARE PARTS REQUIREMENT:

<u>STOCK</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>	<u>UOM</u>
WELL CONTROL				
29349	ELEMENT: GAS SUPPLY FILTER, TYPE LIQUID	2	EA	
98527	O-RING FOR GAS SUPPLY FILTER	2	EA	
WELL TEST METER				
95036	GASKET 3" Y-STRAINER	1	EA	
CLOSED DRAIN				
32487	GASKET SPIRAL WOUND	1	EA	
52495	ORING FOR VALVE SEAT INSERT	6	EA	
44521	VALVE SEAT INSERT	4	EA	
44526	VALVE BALL FOR SUCTION & DISCHARGE CHECK VALVE	4	EA	
73230	SLEEVE & SPOOL	1	EA	
52504	O-RING SPOOL VALVE	1	SET	
98527	O-RING FOR GAS SUPPLY FILTER	1	EA	
98528	O-RING FOR LUBRICATOR	1	EA	
29349	ELEMENT: FILTER, TYPE LIQUID	1	EA	
POWER SYSTEM				
43336	COALESCING FILTER	1	EA	
98528	O-RING FOR COALESCING FILTER	1	EA	
49813	IGNITER; TYPE ROD	4	EA	
71240	CONNECTOR: SIZE 1/16-1/8 IN MATL NYLON	4	EA	





Identify Platform Type

A. CHECK PRODUCTION OF THIS PLATFORM No Prod. BOE (BOE = SCFM X1000/6)

A.1. () IF PRODUCTION IS OVER 1,000 BOE, HIGH PRODUCTION PLATFORM. ALL TASKS SHALL BE CONDUCTED

A.2. (✓) IF PRODUCTION IS LOWER THAN 1,000 BOE, LOW PRODUCTION PLATFORM. NON CRITICAL TASKS DO NOT NEED TO BE CONDUCTED

Wellhead Control Panel CP-100

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
LIT -1001	WHCP HYDRAULIC OIL RESERVOIR LEVEL	0	100	%			12	50											
PIT -1001	WHCP SSV HYDRAULIC SYSTEM PRESSURE	0	3000	psig			1100	1500											
PIT -1002	WHCP SCSSV HYDRAULIC SYSTEM PRESSURE	0	10000	psig			4000	4100											

TAG	DESCRIPTION	UNIT	SETPOINT	AS Found	AS LEFT	REMARK
PSL -11	WELL SLOT 1 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -21	WELL SLOT 2 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -31	WELL SLOT 3 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -41	WELL SLOT 4 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -51	WELL SLOT 5 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -61	WELL SLOT 6 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -71	WELL SLOT 7 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -81	WELL SLOT 8 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -91	WELL SLOT 9 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -101	WELL SLOT 10 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -111	WELL SLOT 11 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			



PSL -121	WELL SLOT 12 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -131	WELL SLOT 13 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -141	WELL SLOT 14 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -151	WELL SLOT 15 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -161	WELL SLOT 16 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -171	WELL SLOT 17 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -181	WELL SLOT 18 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -191	WELL SLOT 19 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -201	WELL SLOT 20 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			

No Prod.



- 2.1 VISUALLY INSPECT ALL ACCESSIBLE INSTRUMENT SYSTEM FOR DAMAGES, LEAKS, LOOSE OR BROKEN CONNECTIONS. () () REMARKS _____
- 2.2 CHECK PRE-CHARGED PRESSURE OF ACCUMULATOR, FOR SDV/SSV CIRCUIT & SCSSV CIRCUIT AS PER NAME PLATE, RECHARGE NITROGEN IF NECESSARY. () () REMARKS _____
- 2.3 CHECK SELF OPERATED REGULATORS FOR LEAKS AND DEFECTS. () () REMARKS _____
- 2.4 INSPECT AND CHECK ACCURACY OF ALL PRESSURE GAUGES. () () REMARKS _____
- 2.5 CHECK & CLEAN PANELS INTERNALLY AND EXTERNALLY. () () REMARKS _____
- 2.6 CHECK HYDRAULIC OIL QUALITY, REPLACE HYDRAULIC OIL AND CLEAN RESERVOIR TANK AND DRAIN HYDRAULIC OIL IN RETURN, RESERVOIR. () () REMARKS _____
- 2.7 REPLACE HYDRAULIC OIL FILTER. () () REMARKS _____
- 2.8 REPLACE INSTRUMENT GAS FILTER. () () REMARKS _____
- 2.9 RECHECK ALL ACCESSIBLE INSTRUMENT SYSTEM FOR DAMAGES, LEAKS, LOOSE OR BROKEN CONNECTIONS. () () REMARKS _____
- 2.10 REPLACE ALL HYDRAULIC PUMPS. () () REMARKS _____

No Prod.

Wellhead

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -13	WELL SLOT 1 TUBING PRESSURE	0	4000	psig					3000										
PIT -23	WELL SLOT 2 TUBING PRESSURE	0	4000	psig					3000										
PIT -33	WELL SLOT 3 TUBING PRESSURE	0	4000	psig					3000										
PIT -43	WELL SLOT 4 TUBING PRESSURE	0	4000	psig					3000										
PIT -53	WELL SLOT 5 TUBING PRESSURE	0	4000	psig					3000										
PIT -63	WELL SLOT 6 TUBING PRESSURE	0	4000	psig					3000										
PIT -73	WELL SLOT 7 TUBING PRESSURE	0	4000	psig					3000										
PIT -83	WELL SLOT 8 TUBING PRESSURE	0	4000	psig					3000										
PIT -93	WELL SLOT 9 TUBING PRESSURE	0	4000	psig					3000										
PIT -103	WELL SLOT 10 TUBING PRESSURE	0	4000	psig					3000										
PIT -113	WELL SLOT 11 TUBING PRESSURE	0	4000	psig					3000										
PIT -123	WELL SLOT 12 TUBING PRESSURE	0	4000	psig					3000										
PIT -133	WELL SLOT 13 TUBING PRESSURE	0	4000	psig					3000										
PIT -143	WELL SLOT 14 TUBING PRESSURE	0	4000	psig					3000										
PIT -153	WELL SLOT 15 TUBING PRESSURE	0	4000	psig					3000										
PIT -163	WELL SLOT 16 TUBING PRESSURE	0	4000	psig					3000										
PIT -173	WELL SLOT 17 TUBING PRESSURE	0	4000	psig					3000										
PIT -183	WELL SLOT 18 TUBING PRESSURE	0	4000	psig					3000										
PIT -193	WELL SLOT 19 TUBING PRESSURE	0	4000	psig					3000										
PIT -203	WELL SLOT 20 TUBING PRESSURE	0	4000	psig					3000										



TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -10	WELL SLOT 1 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -20	WELL SLOT 2 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -30	WELL SLOT 3 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -40	WELL SLOT 4 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -50	WELL SLOT 5 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -60	WELL SLOT 6 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -70	WELL SLOT 7 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -80	WELL SLOT 8 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -90	WELL SLOT 9 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -100	WELL SLOT 10 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -110	WELL SLOT 11 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -120	WELL SLOT 12 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -130	WELL SLOT 13 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -140	WELL SLOT 14 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -150	WELL SLOT 15 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -160	WELL SLOT 16 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -170	WELL SLOT 17 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -180	WELL SLOT 18 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -190	WELL SLOT 19 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -200	WELL SLOT 20 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									



TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -1000	7" COMMON CASING PRESSURE	0	1000	psig					500										

WELL SLOT	TAG	DESCRIPTION	SOLENOID	POSITION SWITCH		REMARK
			XSV	ZSC	ZSO	
1	ABV -10B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -10P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -10T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
2	ABV -20B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -20P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -20T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
3	ABV -30B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -30P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -30T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
4	ABV -40B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -40P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -40T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
5	ABV -50B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -50P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -50T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
6	ABV -60B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -60P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -60T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
7	ABV -70B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -70P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -70T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	



8	ABV -80B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -80P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -80T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
9	ABV -90B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -90P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -90T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
10	ABV -100B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -100P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -100T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
11	ABV -110B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -110P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -110T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
12	ABV -120B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -120P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -120T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
13	ABV -130B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -130P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -130T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
14	ABV -140B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -140P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -140T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
15	ABV -150B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -150P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -150T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
16	ABV -160B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -160P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -160T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
17	ABV -170B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -170P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -170T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	



18	ABV -180B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -180P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -180T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
19	ABV -190B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -190P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -190T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
20	ABV -200B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -200P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -200T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ALL MANIFOLD ABV VALVE		LUBRICATE ALL ABV	(YES) (NO)			

**** If found any abnormal on ABV especially stuck close/open, "Troubleshooting guideline for ABV positioner fault alarm" must be strictly followed ****



ADJUSTABLE CHOKE VALVE		FUNCTION TEST AND OBSERVE ACCURACY	REMARK	
CVA -10	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -20	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -30	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -40	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -50	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -60	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -70	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -80	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -90	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -100	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -110	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -120	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -130	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -140	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -150	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -160	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -170	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -180	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -190	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -200	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK

FIRE & GAS DETECTION, FUSIBLE LOOP AND MANUAL ESD STATIONS

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -1003	FUSIBLE PLUG FIRE LOOP	0	150	psig			40												
PIT -1004	MANUAL ESD LOOP	0	150	psig			40												

TAG	DESCRIPTION	FUNCTION		REMARK
XSV – 1001,1002	COMMAND PSD FROM CCR	(YES)	(NO)	
XSV – 1001,1002,1003	COMMAND ESD FROM CCR	(YES)	(NO)	
FESD -1	MANUAL ESD STATION UPPER DECK	(YES)	(NO)	
FESD -2	MANUAL ESD STATION CELLAR DECK	(YES)	(NO)	
FESD -3	MANUAL ESD STATION SUB CELLAR DECK	(YES)	(NO)	
HS -1001	MANUAL PSD	(YES)	(NO)	
HS -1002	MANUAL ESD	(YES)	(NO)	
HS -1003	ESD RESET	(YES)	(NO)	
HS -1004	PLATFORM MANNED/UNMANNED	(YES)	(NO)	



WELL SLOT	VALVE POSITION (CLOSE OR NOT CLOSE)			SCSSV CLOSURE TIME (SEC.)	REMARK
	WING VALVE (SDV)	SSV	SCSSV		
1	C / NC	C / NC	C / NC		
2	C / NC	C / NC	C / NC		
3	C / NC	C / NC	C / NC		
4	C / NC	C / NC	C / NC		
5	C / NC	C / NC	C / NC		
6	C / NC	C / NC	C / NC		
7	C / NC	C / NC	C / NC		
8	C / NC	C / NC	C / NC		
9	C / NC	C / NC	C / NC		
10	C / NC	C / NC	C / NC		
11	C / NC	C / NC	C / NC		
12	C / NC	C / NC	C / NC		
13	C / NC	C / NC	C / NC		
14	C / NC	C / NC	C / NC		
15	C / NC	C / NC	C / NC		
16	C / NC	C / NC	C / NC		
17	C / NC	C / NC	C / NC		
18	C / NC	C / NC	C / NC		
19	C / NC	C / NC	C / NC		
20	C / NC	C / NC	C / NC		

No Prod.

TEST SEPARATOR

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
TIT-1012	TEST SEPARATOR GAS OUTLET TEMPERATURE	0	500	°F															NON-CRITICAL TASK
PIT-1011	TEST SEPARATOR PRESSURE	0	1500	PSIG					650										
PIT-1010	TEST SEPARATOR PRESSURE	0	1500	PSIG			280			750									
LIT-1010	TEST SEPARATOR CONDENSATE LEVEL	0	100	%			10												
LIT -1011	TEST SEPARATOR OVERALL LEVEL	0	100	%						80									
LIT -1012	TEST SEPARATOR WATER LEVEL	0	100	%															
FIT-1012	TEST SEPRRATOR FLOW HIGH RANGE	0	850	IN															

2) FUNCTIONAL CHECK CONTROL, MOVEMENT AND LEAKAGE OF THE FOLLOWING PRESSURE CONTROL VALVE:

TAG	DESCRIPTION	CONTROL VALVE (COMPLETED)		REMARK
PCV -1011	GAS OUTLET FROM TEST SEPERATOR TO FLARE	(YES)	(NO)	
PCV -1010	GAS OUTLET FROM TEST SEPERATOR TO PRODUCTION	(YES)	(NO)	
LCV -1010	TEST SEPARATOR CONDENSATE CONTROL LEVEL	(YES)	(NO)	NON-CRITICAL TASK
LCV -1012	TEST SEPARATOR WATER CONTROL LEVEL	(YES)	(NO)	NON-CRITICAL TASK

3) COMMAND TO OPERATE AND CHECK FUNCTION OF ON-OFF VALVE:

TAG	DESCRIPTION	SOLENOID	POSITION SWITCH		REMARK
		XSV	ZSC	ZSO	
ABV -1010A	TEST SEPARATOR TO PRODUCTION HEADER	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ABV -1010B	TEST SEPARATOR TO HP VENT HEADER	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ABV -1010C	TEST SEPARATOR TO GAS COMPRESSOR SUCTION HEADER	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ABV -1011A	TEST SEPARATOR TO PRODUCTION HEADER	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ABV -1011B	TEST SEPARATOR TO SUMP TANK	(YES) (NO)	(YES) (NO)	(YES) (NO)	

ISO Prod.

**4) VISUAL INSPECTIONS AND CLEANING**

4.1 VISUALLY INSPECT ALL ACCESSIBLE ELECTRICAL SYSTEM FOR
LOOSE OR BROKEN CONNECTION, DEFECTIVE CIRCUITRY

() () REMARKS _____

4.2 INSPECT AND ACCURACY OF ALL INDICATORS AND GAUGES.

() () REMARKS _____

4.3 FLUSH AND CLEAN CONNECTION NOZZLES AND CHAMBERS
OF ALL LEVEL TRANSMITTERS, LEVEL GAUGES AND LEVEL
CONTROLLERS.

() () REMARKS _____

4.4 CLEAN STRAINER OF LIQUID LINE THEN REPLACE GASKET
3" Y-STRAINER.

() () REMARKS _____

4.5 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATOR
LIQUIDS FROM REGULATOR.

() () REMARKS _____



WELL TEST METER

1) PREPARATION TO PERFORM PM TASK:

- 1.1 COORDINATE WITH OPERATOR TO MAKE EQUIPMENT AVAILABLE FOR PM.
- 1.2 PREPARE ORIFICE METER FOR SEMI-ANNUAL PM INSPECTION AND ORIFICE BOX DOOR GASKET.
- 1.3 CERTIFIED PNEUMATIC & PRESSURE CALIBRATORS OR OTHER CERTIFIED CALIBRATION EQUIPMENT.
- 1.4 CERTIFIED RESISTANCE DECADE BOX OR RTD OR CALIBRATOR AND THERMOMETER.

() () REMARKS _____

() () REMARKS _____

() () REMARKS _____

() () REMARKS _____

2) VISUAL INSPECTION:

- 2.1 INSPECT ALL ACCESSIBLE INSTRUMENT SYSTEMS FOR DAMAGES, LEAKS, LOOSE OR BROKEN CONNECTIONS.
- 2.2 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATED LIQUIDS FROM REGULATORS.

() () REMARKS _____

() () REMARKS _____

3) PERFORM CALIBRATION CHECK ON TRANSMITTER: FT-1012,

PT-1011 AND TT-1012:

- 3.1 FLUSH OUT FT-1012, PT-1011 IMPULSE LINES.
- 3.2 VERIFY THE "AS FOUND" PRESSURE TRANSMITTERS, PIT-1011 AND RECORD THE READING:

() () REMARKS _____

FT-1012					
DESIRED INPUT (IN.WC)	DESIRED OUTPUT (IN.WC)	AS FOUND (IN.WC)		AS LEFT (IN.WC)	
		INC	DEC	INC	DEC
0.0	0.0				
200.0	200.0				
400.0	400.0				
600.0	600.0				
800.0	800.0				
CRITERIA: ACCURACY WITH IN 0.1% OF SPAN (+/- 0.8 IN.WC.)					

PT-1011					
DESIRED INPUT (PSI)	DESIRED OUTPUT (PSI)	AS FOUND (PSI)		AS LEFT (PSI)	
		INC	DEC	INC	DEC
0.0	0.0				
250.0	250.0				
500.0	500.0				
750.0	750.0				
1,000.0	1,000.0				
CRITERIA: ACCURACY WITH IN 0.1% OF SPAN (+/- 1.0 PSI.)					

TT-1012					
DESIRED INPUT (0-500 DEG.F.)	DESIRED OUTPUT (0-500 DEG.F.)	AS FOUND (DEG.F.)		AS LEFT (DEG.F.)	
		INC	DEC	INC	DEC
0.0	0.0				
125.0	125.0				
250.0	250.0				
375.0	375.0				
500.0	500.0				
CRITERIA: ACCURACY WITH IN +/- 1 DEG.F.					

IF THE "AS FOUND" READINGS OF ANY TRANSMITTER FAIL TO MEET REPERFORM STEP 3.2 UNTIL THE RESULTS OF THAT TRANSMITTERS MEET THE CRITERIA THEN THE LATEST READINGS SHALL BE RECORDED AS "AS LEFT".

() () REMARKS _____

- 5.3 PERFORM TEMPERATURE READING VERIFICATION BY CHECK AGAINST A CERTIFIED THERMOMETER

TT-1012 = _____ DEG.F



CERTIFIED THERMOMETER = _____ DEG.F. () () REMARKS _____

4) ORIFICE METER FE-1012:

4.1 FLUSH OUT LIQUID IN ORIFICE FITTING CHAMBER. () () REMARKS _____

4.2 BLEED PRESSURE AND REMOVE IN-USE ORIFICE PLATE AND SEAL FOR INSPECTION. RECORD ITS CONDITIONS.

PLATE BORE DIAMETER: _____

PLATE S/N: _____ () () REMARKS _____

	Pass/ Fail
PLATE SURFACE ROUGHNESS VISUAL	() () REMARKS: _____
EDGE SHARPNESS VISUAL (NO NICK)	() () REMARKS: _____
PLATE FLATNESS VISUAL	() () REMARKS: _____
ORIFICE PLATE SEAL / HOLDER NOT DAMAGE	() () REMARKS: _____
CLEAN ORIFICE PLATE BEFORE RE-INSTALLATION	() () REMARKS: _____

4.3 REINSTALL ORIFICE PLATE AND ENSURE THE BEVEL SIDE (DOWNSTREAM SIDE) FACING TO THE DOWNSTREAM. () () REMARKS _____

5) CORIOLIS METER – MICROMOTION FDTT-1011:

5.1 CLEAN STRAINER. () () REMARKS _____

5.2 CHECK TRANSMITTER CONFIGURATION AGAINST ITS CONFIGURATION SHEET. CORRECT ANY DATA DEVIATES FROM ITS CONFIGURATION SHEET. () () REMARKS _____

5.3 PERFORM ZERO STABILITY CHECK: () () REMARKS _____

5.3.1 ENSURE THE SENSOR IS FULLY FILLED WITH LIQUID. () () REMARKS _____

5.3.2 CLOSE UPSTREAM AND DOWNSTREAM ISOLATION VALVES OF THE METER TO ENSURE THERE IS NO FLOW. () () REMARKS _____

5.3.3 PERFORM ZERO CHECK ON THE METER, THIS WILL INDICATE WHETHER ANY CHANGE IN FLOW TUBE. ANY CHANGE COULD BE PIPING STRESS OR DEPOSITION IN THE FLOW TUBE. THE ZERO STABILITY MUST BE STABLE AND WITHIN ITS SPECIFICATION AS FOLLOWS:

MICROMOTION, MODEL F200S420CRAUEZ1ZZHTMC:
Z.S. +/- 6.965 Kg/h. OR +/- 0.31 Gal/ Min

IF THE ZERO STABILITY IS OVER ITS SPEC, FLUSH THE FLOW TUBE AND REPEAT STEP 5.3.3, OR REPLACE WITH THE SPARE ONE. () () REMARKS _____

5.4 PERFORM THE OUTPUT LOOP CHECK AND RECORD (ADJUST IF REQUIRED). () () REMARKS _____

DESIRED INPUT (Hz.)	DESIRED OUTPUT (BPD)	AS FOUND (BPD)		AS LEFT (BPD)	
		INC	DEC	INC	DEC
0	0				
2,500	500				
5,000	1,000				
7,500	1,500				
10,000	2,000				
CRITERIA: ACCURACY WITH IN 0.5% OF READING					

6) WATER CUT WCT-1010:(ROXAR)

- 6.1 INSPECTION ON ELECTRICAL AND INSTRUMENT SYSTEM FOR SIGN OF BURNT, LEAKS, LOOSE CONNECTIONS, CORRECT AS APPROPRIATE. () () REMARK: _____
- 6.2 INSPECTION FOR ANY ACCESSIVE VIBRATION ON THE SENSOR. SECURE THE SENSOR AS APPROPRIATE. () () REMARK: _____
- 6.3 CHECK ALL CABLES FOR BEND OR DAMAGE. () () REMARK: _____
- 6.4 INSPECT ALL CABLE CONNECTIONS AND ADAPTERS. () () REMARK: _____
- 6.5 CHECK AND RECOED POWER SUPPLY VOLTAGE. () () REMARK: _____
- 6.6 CHANGE WATER ABSORBENT SILICA PAD. () () REMARK: _____
- 6.7 SWITCH WCM OFF FOR 5 MINUTED AND RESTART (NEED TO REPLACE BBRAM IF WCM UNABLE TO REBOOT). () () REMARK: _____
- 6.8 CHECK AND VERIFY PARAMETER, RANGE AND CALIBRATION ON ANALOG INPUTS/OUTPUTS. () () REMARK: _____
- 6.9 CHECK AND VERIFY OUTPUT ON LOCAL DISPLAY. () () REMARK: _____
- 6.10 LOG DIAGNOSTICS AND VERIFY CORRECT MICROWAVE POWER-LEVEL (ADC 250-4095). () () REMARK: _____

CHECK AND VERIFY ALL PARAMETER FOR ROXAR WCM		
ITEM	PARAMETER	AS FOUND
1	SET AUTOSTART (Y)	Y / N
2	SET CONSTANT LINE PRESSURE (600 PSI)	.....PSI.
3	SET SALINITY AUTOCALIBRATE (Y)	Y / N
4	SET EMULSION FLOW (Y)	Y / N
5	TEMPERATURE UNIT (°F)	
6	PRESSURE UNIT (PSI)	
7	DENSITY UNIT (KG/M ³)	
8	ANALOG INPUT VALUE (TEMPERATURE)	
	8.1) CHANGE 4-20 mA LOOP POWER SOURCE (INTERNAL)	
	8.2) LOW TEMPERATURE INPUT VALUE	
	8.2) HIGH TEMPERATURE INPUT VALUE	
9	ANALOG INPUT VALUE (DENSITY)	
	8.1) CHANGE 4-20 mA LOOP POWER SOURCE (EXTERNAL)	
	8.2) LOW DENSITY INPUT VALUE (500 KG/M ³ )	.....( KG/M ³)
	8.2) HIGH DENSITY INPUT VALUE (1500 KG/M ³ )	.....( KG/M ³)
10	ANALOG OUTPUT #1 (% WATER BY VOLUME)	
	10.1) LOW OUTPUT VALUE (0%)	
	10.1) HIGH OUTPUT VALUE (100%)	
11	ANALOG OUTPUT #2 (MIXTURE DENSITY)	
	11.1) LOW OUTPUT VALUE (500 KG/M ³ )	.....( KG/M ³)
	11.1) HIGH OUTPUT VALUE (1500 KG/M ³ )	.....( KG/M ³)
12	ANALOG OUTPUT #3 (% WATER BY VOLUME TO LOCAL DISPLAY)	
	10.1) LOW OUTPUT VALUE (0%)	
	10.1) HIGH OUTPUT VALUE (100%)	
12	DRY OIL DENSITY VALUE	
13	WATER CONDUCTIVITY VALUE	.....mS/cm at° F



ANALOG INPUT CALIBRATIONS

Input #1: Temperature

Input #2: Density

Input current (mA)	As found (mA)	As left (mA)
4		
8		
12		
16		
20		

Input current (mA)	As found (mA)	As left (mA)
4		
8		
12		
16		
20		

ANALOG OUTPUT CALIBRATIONS

Output #1: % Water by Volume

Output #2: Mixture density

Output simulation (mA)	As found (mA)	As left (mA)	Panel view
4			
8			
12			
16			
20			

Output simulation (mA)	As found (mA)	As left (mA)	Panel view
4			
8			
12			
16			
20			

7) FINAL INSPECTION:

- 7.1 RETURN THE SYSTEM TO SERVICE.
7.2 CHECK SYSTEM FOR LEAKS.

() () REMARK: _____
() () REMARK: _____

8) COOPERATE WITH PRODUCTION TO PUT THE WELL TO TEST:

(RECOMMENDED HIGH OIL WELL AND HIGH WATER WELL)
TAKE TWO SAMPLES ON VARIOUS LEVEL AND FLOW CONDITIONS.
RECORD READINGS FROM CORIOLIS METER AND MANUAL SAMPLE ANALYZED RESULTS.

() () REMARK: _____

• HIGH OIL WELL

RECORD MANUAL SAMPLE ANALYZED RESULT: DENSITY = kg/m³
RECORD READING FROM CORIOLIS METER: DENSITY = kg/m³

• HIGH WATER WELL

RECORD MANUAL SAMPLE ANALYZED RESULT: DENSITY = kg/m³
RECORD READING FROM CORIOLIS METER: DENSITY = kg/m³

9) PM TASK AND ORIFICE METER PM INSPECTION REPORT:

- 9.1 SCAN THIS JOB CARD AND ATTACH TO WORK ORDER.
9.2 CLOSE PM WORK ORDER AND RECORD ANY CORRECTIVE ACTIONS IN CMMS.

() () REMARK: _____
() () REMARK: _____



GAS LIFT SKID

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
TIT-1021	GAS LIFT SKID TEMPERATURE	0	300	°F															NON-CRITICAL TASK

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT-1044	GAS LIFT WELL SLOT A	0	1500	psig				500											NON-CRITICAL TASK
PIT-1045	GAS LIFT WELL SLOT B	0	1500	psig				500											NON-CRITICAL TASK
PIT-1046	GAS LIFT WELL SLOT C	0	1500	psig				500											NON-CRITICAL TASK
PIT-1047	GAS LIFT WELL SLOT D	0	1500	psig				500											NON-CRITICAL TASK
PIT-1048	GAS LIFT WELL SLOT E	0	1500	psig				500											NON-CRITICAL TASK
PIT-1049	GAS LIFT WELL SLOT F	0	1500	psig				500											NON-CRITICAL TASK
PIT-1050	GAS LIFT WELL SLOT G	0	1500	psig				500											NON-CRITICAL TASK
PIT-1051	GAS LIFT WELL SLOT H	0	1500	psig				500											NON-CRITICAL TASK

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	AS FOUND (%)					AS LEFT (%)					REMARK
					0	25	50	75	100	0	25	50	75	100	
PIT-1044	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1045	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1046	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1047	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1048	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1049	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1050	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1051	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK

UTILITY GAS SCRUBBER

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS FOUND				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -1305	UTILITY GAS SCRUBBER INLET	0	300	PSIG			75			230									
PIT-1300	INSTRUMENT GAS SCRUBBER INLET	0	300	PSIG			75			135									
LIT-1300	INSTRUMENT GAS SCRUBBER LEVEL	0	100	%						80									
TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS FOUND				AS LEFT				REMARK
							LALL	LCL	LCH	LAHH	LALL	LCL	LCH	LAHH	LALL	LCL	LCH	LAHH	
LIT-1302	INSTRUMENT GAS SCRUBBER LEVEL	0	100	%															
LIT-1350	UTILITY GAS SCRUBBER LEVEL	0	100	%						80									

2) FUNCTIONAL CHECK CONTROL, MOVEMENT AND LEAKAGE OF THE FOLLOWING CONTROL/SOLENOID VALVE:

TAG	DESCRIPTION	SET POINT (PSI)	XSV	CONTROL VALVE	REMARK
LCV -1350	UTILITY GAS SCRUBBER LEVEL	-	(YES) (NO)	(YES) (NO)	NON-CRITICAL TASK
LCV -1302	INSTRUMENT GAS SCRUBBER LEVEL	-	(YES) (NO)	(YES) (NO)	NON-CRITICAL TASK
PCV -1300	GAS INLET TO UTILITY GAS SCRUBBER	200		(YES) (NO)	
PCV -1301	GAS INLET TO UTILITY GAS SCRUBBER	200		(YES) (NO)	
PCV -1303	INSTRUMENT GAS	125		(YES) (NO)	
PCV -1304	INSTRUMENT GAS	125		(YES) (NO)	
PCV -1305	BLACK START FORM PIPELINE	125		(YES) (NO)	
PCV -1306	BLACK START TO FUSIBLE/ESD	50		(YES) (NO)	

**3) COMMAND TO OPERATE AND CHECK FUNCTION OF SDV:**

3.1 PERFORM SHUTDOWN VALVE PASSING TEST OF SDV-1300 = _____ PSI/30 MINUTES

() () REMARK: _____

TAG	DESCRIPTION	SOLENOID		POSITION SWITCH		CLOSING TIME	REMARK
		XSV		ZSC	ZSO	sec	
SDV -1300	UTILITY GAS SCRUBBER INLET	(YES)	(NO)	(YES)	(NO)	(YES)	(NO)
BDV-1301	UTILITY VENT TO FLARE	(YES)	(NO)	(YES)	(NO)	(YES)	(NO)



4) REPLACE FILTER OF INSTRUMENT GAS SYSTEM.

() () REMARK: _____

5) VISUAL INSPECTIONS AND CLEANING (NON-CRITICAL TASK)

5.1 VISUALLY INSPECT ALL ACCESSIBLE ELECTRICAL SYSTEM FOR
LOOSE OR BROKEN CONNECTION, DEFECTIVE CIRCUITRY.

() () REMARK: _____

5.2 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATE
LIQUIDS FROM REGULATOR.

() () REMARK: _____

5.3 CLEAN SUCTION Y STRAINERS OF ALL PRESSURE CONTROL VALVES.

() () REMARK: _____

5.4 INSPECT AND CLEAN ALL FILTERS.

() () REMARK: _____

5.5 EXERCISE ALL MANUAL VALVES FOR FREE OF MOVEMENT,
GREASE AS REQUIRED.

() () REMARK: _____

SUMP TANK (OPEN DRAIN / CLOSE DRAIN)

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
FS-1060	SUMP PUMP TO PRODUCTION HEADER																		ON/OFF function
PIT-1040	CLOSE DRAIN SUMP TANK	0	50	psig						5									
LIT-1041	CLOSE DRAIN SUMP TANK	0	100	%						80									
TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT(°F)				AS Found				AS LEFT				REMARK
							LAL	LCL	LCH	LAH	LAL	LCL	LCH	LAH	LAL	LCL	LCH	LAH	
LIT-1040	CLOSE DRAIN SUMP TANK	0	100	%															NON-CRITICAL-TASK

2) FUNCTIONAL CHECK CONTROL, MOVEMENT AND LEAKAGE OF THE FOLLOWING CONTROL/SOLENOID VALVE:

TAG	DESCRIPTION	SETPOINT (psig)	XSV	CONTROL VALVE	REMARK
LCV -1040	CLOSE DRAINS TANK LEVEL		(YES) (NO)	(YES) (NO)	NON-CRITICAL-TASK



3) VISUAL INSPECTIONS CLEANING AND FILTERING

3.1 VISUALLY INSPECT ALL ACCESSIBLE INSTRUMENT SYSTEM FOR DAMAGE
FAULTS, LEAKS, LOOSE OR BROKEN CONNECTIONS.

() () REMARK: _____

3.2 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATE
LIQUIDS FROM REGULATOR.

() () REMARK: _____

3.3 CHECK CONDITION AND ACCURACY OF ALL INDICATORS AND GAUGES.

() () REMARK: 6 No Prod

3.4 CLEAN SUCTION STRAINER OF OPEN DRAIN AND CLOSE DRAIN PUMP.

() () REMARK: _____



IMPORT PIPELINE / RECEIVER / EXPORT PIPELINE / LAUNCHER

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
TIT-1000	OUT GOING PIPELINE	0	300	°F					210										
PIT-1008	OUT GOING PIPELINE	0	1500	PSIG			250	350	650	750									

POWER SYSTEM (EXCLUDE GENERATOER)

1) PERFORM CHECK ON D/C POWER SYSTEM:

- 1.1 CHECK CABLE CONNECTIONS SECURITY ON DC DISTRIBUTION PANEL. () () REMARK: _____
- 1.2 CHECK & CLEAN SOLAR CELL PANELS. () () REMARK: _____
- 1.3 CHECK SCI (SOLAR CHARGER AND CONTROLLER), AND CORRECT FLOAT CHARGE SETTING AS PER BATTERY MFG'S RECOMMENDATION. () () REMARK: No Solar Panel.

2) CHECK ON SOLAR CELL, BATTERY CHARGER, AND BANKS (BA-01 & COMM)

BATTERY:

- 2.1 CHECK **BATTERY OHMIC TESTING** VALUE AND RECORD ON BELOW TABLE (IF **OVER 50% CHANGE** FROM BASE VALUE, CONSIDER BATTERY REPLACEMENT OR POOR INTERCELL CONNECTION). () () REMARK: _____
- 2.2 CHECK VOLT PER CELL/UNIT AND RECORD ON BELOW TABLE, IN CASE OF DIFFERENCE IN CELL VOLTAGE EXCEEDING 0.3 VOLTS, CONSIDER AN EQUALIZING CHARGE TO BRING ALL CELLS TO SAME VOLTAGE RATE). () () REMARK: _____

REMARK: RECOMMENDED CHARGE VOLTAGES FOR THE ABSOLUTE GP, VRLA AGM(ONLY) ARE AS FOLLOWS:

1. FLOAT CHARGE: VPC=2.20 TO 2.27 VPC (AT 25 C) (or 2.20 AT 35C)

BATTERY TYPE SAGM 375

NUMBER OF STRING 3

NUMBER OF CELL 12.

NO.	OHMIC C/R/I	Volt per Cell (Vdc)	NO.	OHMIC C/R/I	Volt per Cell (Vdc)	NO.	OHMIC C/R/I	Volt per cell (Vdc)	NO.	OHMIC C/R/I	Volt per Cell (Vdc)
1	<u>1.5</u>	<u>6.4</u>	13			25			37		
2	<u>1.5</u>	<u>6.4</u>	14			26			38		
3	<u>1.5</u>	<u>6.4</u>	15			27			39		
4	<u>1.5</u>	<u>6.4</u>	16			28			40		
5	<u>1.5</u>	<u>6.4</u>	17			29			41		
6	<u>1.5</u>	<u>6.4</u>	18			30			42		
7	<u>1.5</u>	<u>6.4</u>	19			31			43		
8	<u>1.5</u>	<u>6.4</u>	20			32			44		
9	<u>1.5</u>	<u>6.4</u>	21			33			45		
10	<u>1.5</u>	<u>6.4</u>	22			34			46		
11	<u>1.5</u>	<u>6.4</u>	23			35			47		
12	<u>1.5</u>	<u>6.4</u>	24			36			48		

BATTERY REPLACEMENT CRITERIA: THE ENTIRE SHOULD BE REPLACED WHEN 20% OF TOTAL CELLS OF EACH STRING HAVE BEEN REPLACED

- 2.3 RE-TIGHTEN BATTERY TERMINAL SUPPLY AT PLC CABINET. () () REMARKS _____

3) CHECK ON BATTERY BANKS (NAV-AIDS):

SOLAR:

- 3.1 POWER-OFF SOLAR CELL SYSTEM: () () REMARK: _____

	VOLATGE (VDC)	CURRENT (AMP)
SOLAR CELL PANEL-A	<u>11.0</u>	<u>0</u>

CHARGER:

- 3.2 CHECK AND DATA RECORD FOR DC VOLTAGE (FLOAT)
SET _____ VDC, AS FOUND _____ VDC, AS FOUND _____ AMP. () () REMARK: _____
- 3.3 CONFIRM CHECK AND RECORD DC OUTPUT VOLTAGE AND AMPARE AT LOCAL AND HMI MONITOR.
LOCAL = _____ VDC., _____ AMP.
HMI = _____ VDC., _____ AMP. () () REMARK: Solar low Performance
- 3.4 CHECK AND RECORD BATTERY CELLS VOLT PER CELL (VPC)/
BATTERY OHMIC TESTING. () () REMARK: _____



BATTERY TYPE _____

NO.	OHMIC C/R/I	Volt per Cell (Vdc)
1		

- 3.5 RE-TIGHTEN BATTERY TERMINAL SUPPLY AT PLC CABINET. (✓)() REMARK: _____
- 3.6 MARINE LANTERNS:
PERFORM INSPECT AND CARRY OUT AS FOLLOWS:
- 3.6.1 CHECK CABLES AND TERMINALS, VERIFY GROUNDED. (✓)() REMARK: _____
- 3.6.2 CHECK LEN/LEN'S COVER FOR DEFECT, REPLACE IF DEFECTIVE. (✓)() REMARK: _____
- 3.6.3 CHECK O-RING SEAL. (✓)() REMARK: _____
- 3.6.4 CHECK LAMP AND LAMP CHANGERS, CHANGE THE DEFECTED BULBS. (✓)() REMARK: _____
- 3.6.5 CHECK THE OPERATION AND INTENSITY OF LIGHT SIGNAL MORSE U-CODE. (✓)() REMARK: _____
- 3.7 **PHOTO SWITCH:** CHECK THE OPERATION OF PHOTO VOLTAIC SWITCH (SUN SWITCH) CLEAN UP AS NECESSARY. (✓)() REMARK: _____

4) PERFORM CHECK DC POWER ON TEG GENERATOR (SK-1250):

PERFORM CHECK DC POWER TEG GENERATORS OF THE FOLLOWING (ONE UNIT AT A TIME):

- 4.1 WHILE UNITS ONLOAD, CHECK AND RECORD FUEL PRESSURE VOLTS/AMPS METER READING ON EACH GENERATOR, CORRECT IF REQUIRED.
- G-1250A, OUTPUT _____ VDC, AMPARE _____ AMP.
FUEL PRESSURE _____ PSI, TEMP, _____ °F
- G-1250B, OUTPUT _____ VDC, AMPARE _____ AMP.
FUEL PRESSURE _____ PSI, TEMP, _____ °F
- G-1250C, OUTPUT _____ VDC, AMPARE _____ AMP.
FUEL PRESSURE _____ PSI, TEMP, _____ °F
- G-1250D, OUTPUT _____ VDC, AMPARE _____ AMP.
FUEL PRESSURE _____ PSI, TEMP, _____ °F. () () REMARK: _____
- 4.2 SELECT V-SET/RUN SELECTOR SWITCH TO V-SET POSITION AND WAITING FOR 15 MINS, THEN RECORD V-SET OF EACH UNIT.
- G-1250A, Vset _____ VDC, AMPARE _____ AMP.
- G-1250B, Vset _____ VDC, AMPARE _____ AMP.
- G-1250C, Vset _____ VDC, AMPARE _____ AMP.
- G-1250D, Vset _____ VDC, AMPARE _____ AMP. () () REMARK: _____
- 4.3 ON PLATFORM EQUIPPED WITH CO₂ MEMBRANE PANEL, USING DRAGGER TUBE TO MEASURE PERCENT CO₂ ON THE TEG FUEL SUPPLY LINE, DOWN STREAM OF THE CO₂ MEMBRANE
- UPSTREAM CO₂ CONTENT ____%. () () REMARK: _____
- DOWNSTREAM CO₂ CONTENT ____%. () () REMARK: _____
- 4.4 DRAIN LIQUID FROM CARTRIDGE FILTER ON CO₂ MEMBRANE PANEL. () () REMARK: _____
- 4.5 NEED ANNUALLY REPLACE CO₂ MEMBRANE FILTER ACTIVATED CARBON FILTER AND SILICA FILTER IF NECESSARY. () () REMARK: _____
- 4.6 SHUTDOWN THE GENERATOR BEING TESTED, ALLOWING UNITS TO COOLDOWN AND CHECK OF THE FOLLOWING:
- 4.6.1 VERIFY FUNCTION OF THERMAL FUEL SHUT OFF VALVE. () () REMARK: _____
- 4.6.2 CHECK & CORRECT FUEL PRESSURE GAUGE, REPLACE IF REQUIRED. () () REMARK: _____
- 4.6.3 CHECK FUEL NOZZLE, CLEAN WITH SOLVENT AS NECESSARY. () () REMARK: _____
- 4.6.4 DRAIN SEDIMENT BOWL OF FUEL REGURATOR. () () REMARK: _____
- 4.6.5 CLEAN COOLING FIN. () () REMARK: _____
- 4.6.6 CLEAN EXHAUST FLAME ARRESTOR, REPLACE AS NECESSARY. () () REMARK: _____
- 4.6.7 CLEAN AIR INTAKE FLAME ARRESTOR, REPLACE AS NECESSARY. () () REMARK: _____
- 4.7 RESTART TEG GENERATOR AND CHECK OF THE FOLLOWING:
- 4.7.1 SETUP & RECORD BY USING THE GLOBAL SETUP DATA LOG SHEET FORMAT AND FOLLOW UP UNTIL STABILIZED
- NOTE:** ENSURE THE V-SET VOLTAGE NOT OVER 6.8 VDC. () () REMARK: _____



4.7.2 CHECK & RECORD FINAL V-SET, COMPARE WITH THE PREVIOUS RECORD ON STEP 7.1 & 7.2.

() () REMARK: _____

4.7.3 SWITCH V-SET & RUN SELECTOR TO V-SET POSITION AND WAIT FOR 15 MINS, THEN RECORD V-SET OF EACH UNIT.

G-1250A, VSet = _____ V, AMPARE = _____ AMPS.

G-1250B, VSet = _____ V, AMPARE = _____ AMPS.

G-1250C, VSet = _____ V, AMPARE = _____ AMPS.

G-1250D, VSet = _____ V, AMPARE = _____ AMPS.

() () REMARK: _____

4.7.4 WHILE UNITS ON LOAD, CHECK AND RECORD FUEL PRESURE VOLTS/AMPS METER READING ON EACH GENERATOR, CORRECT IF REQUIRED.

G-1250A, OUTPUT = _____ V, AMPARE = _____ AMPS.

FUEL PRESSURE = _____ PSI, TEMP = _____ °F

G-1250B, OUTPUT = _____ V, AMPARE = _____ AMPS.

FUEL PRESSURE = _____ PSI, TEMP = _____ °F

G-1250C, OUTPUT = _____ V, AMPARE = _____ AMPS.

FUEL PRESSURE = _____ PSI, TEMP = _____ °F

G-1250D, OUTPUT = _____ V, AMPARE = _____ AMPS.

FUEL PRESSURE = _____ PSI, TEMP = _____ °F.

() () REMARK: _____

4.7.5 ENSURE TOTAL GENERATOR POWER OUTPUT IS SUFFICIENT TO PROVIDE EXCESS POWER TO CHARGE THE BATTERY BANK UNDER MFGR'S RECOMMENDED.

() () REMARK: _____

4.7.6 ENSURE ALL STARTING CLIPS OF THE SHUT-OFF VALVES ARE REMOVED PRIOR BRING THE SYSTEM BACK TO NORMAL OPERATION.

() () REMARK: _____



SAFETY RELATED EQUIPMENT

1) VISUAL INSPECTIONS:

- 1.1 VISUAL INSPECTION FOR ALL SAFETY EQUIPMENT TO CHECK DAMAGE FAULTS, LOOSEN OR BROKEN CONNECTIONS.

(/) () REMARKS _____

2) PERFORM INSPECTION SAFETY RELATED EQUIPMENT:

2.1 DRY CHEMICAL EXTINGUISHER (HAND PORTABLE):

- 2.1.1 MAKE A VISUAL INSPECTION OF EACH EXTINGUISHER FOR DAMAGE, CORROSION AND CONFIRM ITS YELLOW SEAL HAS NOT BEEN BROKEN.

(/) () REMARKS _____

- 2.1.2 CONFIRM EACH EXTINGUISHER LOCATION HAS PROPER TYPE OF EXTINGUISHER.

(/) () REMARKS _____

- 2.1.3 ENSURE THAT THE APPROACH IS FREE OF OBSTRUCTIONS.

(/) () REMARKS _____

- 2.1.4 CHECK ON THE OPERATE NOZZLE HANDLE FOR FREE MOVEMENT.

(/) () REMARKS _____

- 2.1.5 REMOVE THE CARTRIDGE, CHECK TO SEE IF THE CARTRIDGE IS SEALED AND CHECK THE WEIGHT, REPLACE CARTRIDGE IF LOSS GREATER THAN 1/2 OZ.

(/) () REMARKS _____

- 2.1.6 OPERATE PUNCTURE MECHANISM WITH CARTRIDGE, CHECK FOR FREE MOVEMENT.

(/) () REMARKS _____

- 2.1.7 REMOVE FILL CAP, INSPECT THREADS AND SEAL.

(/) () REMARKS _____

- 2.1.8 REFILL WITH FREE FLOWING DRY CHEMICAL, IF THE POWDER LEVEL IS LESS THAN 70-80%.

(/) () REMARKS _____

- 2.1.9 RE-INSTALL FILL CAP WITH HAND TIGHT ONLY.

(/) () REMARKS _____

COMPLETED BY: Bongant N. / Thachakon D., DATE: 4 Nov 23.

COMMENT: _____

w/o 1215349 Solar Panel of navaid Low Reformam.

SUPERVISOR: Bongant N., DATE: 6 Nov 23.



YAWE WO# 1257393

PLATONG PM

<u>Revision</u>	<u>Date</u>	<u>Reason for Issue/Change</u>	<u>CMOR #</u>	<u>Enter by</u>
1	06-Jun-2017	WHP PM Optimization	1017/17	Kritin S.
2	20-Aug-19	Revise jobcard	0721/19	MOT Team
3	6-Dec-19	Revise jobcard	1105/19	MOT Team
4	10-Feb-21	Revise Jobcard	0050/21	Songkiet M.

JOB CARD NUMBER: 1.5Y WELL HEAD PLATFORM PM
SKID/EQUIPMENT: YA-PM-POOL YAWE WHP PM POOL
OPT. SEQUENCE: 10 1.5Y WELL HEAD PM POOL - MOT
WORK CENTER: PLMOT

<u>CREW SIZE</u>	<u>DURATION</u>	<u>EST. MAN-HRS</u>	<u>RESOURCE DESCRIPTIONS</u>
5	34	170	MAINTENANCE & OPERATION,

<u>EQUIPMENT CRITICAL:</u>	<u>REQUIRED OPERATIONAL STATUS:</u>
<u>ECA:</u> C2 <u>IC:</u> N/A	<u>PLANT:</u> ONLINE <u>EQUIPMENT:</u> SHUTDOWN

MFGR, INDUSTRY REFERENCES AND ENGINEERING RECOMMENDATION:

NA

EQUIPMENT UNDER THIS PM TASK:

YA-PM-POOL-YAWE WHP PM POOL
YA-WELL-CONTROL- YAWE
YA-V1010- YAWE
YA-TEST-SEP-METER- YAWE
YA-ASD- YAWE
YA-V1040- YAWE
YA-GAS LIFT-YAWE
YA-UG/IG- YAWE
YA-SAFETY- P YAWE
YA-ESD- YAWE
YA-POWER- YAWE

SPARE PARTS REQUIREMENT:

<u>STOCK</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>	<u>UOM</u>
<u>WELL CONTROL</u>				
29349	ELEMENT: GAS SUPPLY FILTER, TYPE LIQUID	2	EA	
98527	O-RING FOR GAS SUPPLY FILTER	2	EA	
<u>WELL TEST METER</u>				
95036	GASKET 3" Y-STRAINER	1	EA	
<u>POWER SYSTEM</u>				
43336	COALESCING FILTER	1	EA	
98528	O-RING FOR COALESCING FILTER	1	EA	
49813	IGNITER; TYPE ROD	4	EA	
71240	CONNECTOR: SIZE 1/16-1/8 IN MATL NYLON	4	EA	
67940	BATTERY; DRY CELL TYPE RECHARGEABLE 2V.	4	EA	



Identify Platform Type

A. CHECK PRODUCTION OF THIS PLATFORM _____ BOE (BOE = SCFM X1000/6)

A.1. () IF PRODUCTION IS OVER 1,000 BOE, HIGH PRODUCTION PLATFORM. ALL TASKS SHALL BE CONDUCTED

A.2. () IF PRODUCTION IS LOWER THAN 1,000 BOE, LOW PRODUCTION PLATFORM. NON CRITICAL TASKS DO NOT NEED TO BE CONDUCTED

Wellhead Control Panel CP-100

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
LIT -1001	WHCP HYDRAULIC OIL RESERVOIR LEVEL	0	100	%			12	50			12	50			-	-			
PIT -1001	WHCP SSV HYDRAULIC SYSTEM PRESSURE	0	3000	psig			1100	1500			1100	1500			-	-			
PIT -1002	WHCP SCSSV HYDRAULIC SYSTEM PRESSURE	0	10000	psig			4000	4100			4000	4100			-	-			

TAG	DESCRIPTION	UNIT	SETPOINT	AS Found	AS LEFT	REMARK
PSL -11	WELL SLOT 1 SUBSURFACE SAFETY VALVE CLOSED 10 10	psig	4000	4000	-	
PSL -21	WELL SLOT 2 SUBSURFACE SAFETY VALVE CLOSED -	psig	4000	-	-	No well
PSL -31	WELL SLOT 3 SUBSURFACE SAFETY VALVE CLOSED 40 40	psig	4000	4000	-	
PSL -41	WELL SLOT 4 SUBSURFACE SAFETY VALVE CLOSED 47 47	psig	4000	4000	-	
PSL -51	WELL SLOT 5 SUBSURFACE SAFETY VALVE CLOSED -	psig	4000	-	-	No well
PSL -61	WELL SLOT 6 SUBSURFACE SAFETY VALVE CLOSED -	psig	4000	-	-	No well
PSL -71	WELL SLOT 7 SUBSURFACE SAFETY VALVE CLOSED -	psig	4000	-	-	
PSL -81	WELL SLOT 8 SUBSURFACE SAFETY VALVE CLOSED 6 6	psig	4000	4000	-	
PSL -91	WELL SLOT 9 SUBSURFACE SAFETY VALVE CLOSED 17 17	psig	4000	4000	-	
PSL -101	WELL SLOT 10 SUBSURFACE SAFETY VALVE CLOSED -	psig	4000	-	-	No well
PSL -111	WELL SLOT 11 SUBSURFACE SAFETY VALVE CLOSED 3 3	psig	4000	4000	-	



PSL -121	WELL SLOT 12 SUBSURFACE SAFETY VALVE CLOSED	38	psig	4000	4000		
PSL -131	WELL SLOT 13 SUBSURFACE SAFETY VALVE CLOSED	2	psig	4000	4000		
PSL -141	WELL SLOT 14 SUBSURFACE SAFETY VALVE CLOSED	29	psig	4000	4000		
PSL -151	WELL SLOT 15 SUBSURFACE SAFETY VALVE CLOSED	-	psig	4000	-	-	No well
PSL -161	WELL SLOT 16 SUBSURFACE SAFETY VALVE CLOSED	-	psig	4000	-	-	No well
PSL -171	WELL SLOT 17 SUBSURFACE SAFETY VALVE CLOSED	39	psig	4000	4000		
PSL -181	WELL SLOT 18 SUBSURFACE SAFETY VALVE CLOSED	-	psig	4000	-	-	No well
PSL -191	WELL SLOT 19 SUBSURFACE SAFETY VALVE CLOSED	12	psig	4000	4000		
PSL -201	WELL SLOT 20 SUBSURFACE SAFETY VALVE CLOSED	19	psig	4000	4000		

**2) PERFORM CHECK WELLHEAD CONTROL PANEL (NON-CRITICAL TASK):**

- | | |
|---|----------------------|
| 2.1 VISUALLY INSPECT ALL ACCESSIBLE INSTRUMENT SYSTEM FOR DAMAGES, LEAKS, LOOSE OR BROKEN CONNECTIONS. | (✓)() REMARKS _____ |
| 2.2 CHECK PRE-CHARGED PRESSURE OF ACCUMULATOR, FOR SDV/SSV CIRCUIT & SCSSV CIRCUIT AS PER NAME PLATE, RECHARGE NITROGEN IF NECESSARY. | (✓)() REMARKS _____ |
| 2.3 CHECK SELF OPERATED REGULATORS FOR LEAKS AND DEFECTS. | (✓)() REMARKS _____ |
| 2.4 INSPECT AND CHECK ACCURACY OF ALL PRESSURE GAUGES. | (✓)() REMARKS _____ |
| 2.5 CHECK & CLEAN PANELS INTERNALLY AND EXTRNALLY. | (✓)() REMARKS _____ |
| 2.6 CHECK HYDRAULIC OIL QUALITY, REPLACE HYDRUALIC OIL AND CLEAN RESERVOIR TANK AND DRAIN HYDRUALIC OIL IN RETURN RESERVOIR. | (✓)() REMARKS _____ |
| 2.7 REPLACE HYDRAULIC OIL FILTER. | (✓)() REMARKS _____ |
| 2.8 REPLACE INSTRUMENT GAS FILTER. | (✓)() REMARKS _____ |
| 2.9 RECHECK ALL ACCESSIBLE INSTRUMENT SYSTEM FOR DAMAGES, LEAKS, LOOSE OR BROKEN CONNECTIONS. | (✓)() REMARKS _____ |
| 2.10 REPLACE ALL HYDRAULIC PUMPS. | (✓)() REMARKS _____ |



Wellhead

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -13	WELL SLOT 1 TUBING PRESSURE	0	4000	psig					3000				3000						
PIT -23	WELL SLOT 2 TUBING PRESSURE	0	4000	psig					3000				-				-		No well
PIT -33	WELL SLOT 3 TUBING PRESSURE	0	4000	psig					3000				3000						
PIT -43	WELL SLOT 4 TUBING PRESSURE	0	4000	psig					3000				3000						
PIT -53	WELL SLOT 5 TUBING PRESSURE	0	4000	psig					3000				-						No well
PIT -63	WELL SLOT 6 TUBING PRESSURE	0	4000	psig					3000				-						No well
PIT -73	WELL SLOT 7 TUBING PRESSURE	0	4000	psig					3000				-						No well
PIT -83	WELL SLOT 8 TUBING PRESSURE	0	4000	psig					3000				3000						
PIT -93	WELL SLOT 9 TUBING PRESSURE	0	4000	psig					3000				3000						
PIT -103	WELL SLOT 10 TUBING PRESSURE	0	4000	psig					3000				-						No well
PIT -113	WELL SLOT 11 TUBING PRESSURE	0	4000	psig					3000				3000						
PIT -123	WELL SLOT 12 TUBING PRESSURE	0	4000	psig					3000				3000						
PIT -133	WELL SLOT 13 TUBING PRESSURE	0	4000	psig					3000				3000						
PIT -143	WELL SLOT 14 TUBING PRESSURE	0	4000	psig					3000				3000						
PIT -153	WELL SLOT 15 TUBING PRESSURE	0	4000	psig					3000				-						No well
PIT -163	WELL SLOT 16 TUBING PRESSURE	0	4000	psig					3000				-						No well
PIT -173	WELL SLOT 17 TUBING PRESSURE	0	4000	psig					3000				3000						
PIT -183	WELL SLOT 18 TUBING PRESSURE	0	4000	psig					3000				-						No well
PIT -193	WELL SLOT 19 TUBING PRESSURE	0	4000	psig					3000				3000						
PIT -203	WELL SLOT 20 TUBING PRESSURE	0	4000	psig					3000				3000						



TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -10	WELL SLOT 1 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	250	350	900	1000					
PIT -20	WELL SLOT 2 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	-	-	-	-					No well
PIT -30	WELL SLOT 3 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	250	350	900	1000					
PIT -40	WELL SLOT 4 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	250	350	900	1000					
PIT -50	WELL SLOT 5 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	-	-	-	-					No well
PIT -60	WELL SLOT 6 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	-	-	-	-					No well
PIT -70	WELL SLOT 7 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	-	-	-	-					No well
PIT -80	WELL SLOT 8 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	250	350	900	1000					
PIT -90	WELL SLOT 9 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	250	350	900	1000					
PIT -100	WELL SLOT 10 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	-	-	-	-					No well
PIT -110	WELL SLOT 11 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	250	350	900	1000					
PIT -120	WELL SLOT 12 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	250	350	900	1000					
PIT -130	WELL SLOT 13 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	250	350	900	1000					
PIT -140	WELL SLOT 14 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	250	350	900	1000					
PIT -150	WELL SLOT 15 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	-	-	-	-					No well
PIT -160	WELL SLOT 16 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	-	-	-	-					No well
PIT -170	WELL SLOT 17 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	250	350	900	1000					
PIT -180	WELL SLOT 18 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	-	-	-	-					No well
PIT -190	WELL SLOT 19 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	250	350	900	1000					
PIT -200	WELL SLOT 20 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000	250	350	900	1000					



TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -1000	7" COMMON CASING PRESSURE	0	1000	psig					500			500							

WELL SLOT	TAG	DESCRIPTION	SOLENOID	POSITION SWITCH		REMARK
			XSV	ZSC	ZSO	
1	ABV -10B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -10P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -10T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
2	ABV -20B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	No well
	ABV -20P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -20T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
3	ABV -30B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -30P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -30T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
4	ABV -40B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -40P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -40T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
5	ABV -50B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	No well
	ABV -50P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -50T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
6	ABV -60B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	No well
	ABV -60P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -60T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
7	ABV -70B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -70P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -70T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	



8	ABV -80B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -80P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -80T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
9	ABV -90B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -90P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -90T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
10	ABV -100B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	} No well
	ABV -100P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -100T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
11	ABV -110B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -110P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -110T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
12	ABV -120B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -120P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -120T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
13	ABV -130B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -130P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -130T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
14	ABV -140B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -140P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -140T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
15	ABV -150B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	} No well.
	ABV -150P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -150T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
16	ABV -160B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -160P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -160T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
17	ABV -170B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -170P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -170T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	



18	ABV -180B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	} No well
	ABV -180P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -180T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
19	ABV -190B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -190P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -190T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
20	ABV -200B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -200P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -200T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ALL MANIFOLD ABV VALVE		LUBRICATE ALL ABV	(YES) (NO)			

** If found any abnormal on ABV especially stuck close/open, "Troubleshooting guideline for ABV positioner fault alarm" must be strictly followed **



ADJUSTABLE CHOKE VALVE		FUNCTION TEST AND OBSERVE ACCURACY	REMARK	
CVA -10	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -20	CHOKE VALVE	(YES) (NO)	No well	NON-CRITICAL TASK
CVA -30	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -40	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -50	CHOKE VALVE	(YES) (NO)	No well	NON-CRITICAL TASK
CVA -60	CHOKE VALVE	(YES) (NO)	No well	NON-CRITICAL TASK
CVA -70	CHOKE VALVE	(YES) (NO)	No well	NON-CRITICAL TASK
CVA -80	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -90	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -100	CHOKE VALVE	(YES) (NO)	No well	NON-CRITICAL TASK
CVA -110	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -120	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -130	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -140	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -150	CHOKE VALVE	(YES) (NO)	No well.	NON-CRITICAL TASK
CVA -160	CHOKE VALVE	(YES) (NO)	No well	NON-CRITICAL TASK
CVA -170	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -180	CHOKE VALVE	(YES) (NO)	No well	NON-CRITICAL TASK
CVA -190	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -200	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK



FIRE & GAS DETECTION, FUSIBLE LOOP AND MANUAL ESD STATIONS

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PSLL -1005	FUSIBLE PLUG FIRE LOOP	0	150	psig			40				40								
PSLL -1006	MANUAL ESD LOOP	0	150	psig			40				40								

TAG	DESCRIPTION	FUNCTION	REMARK
XSV – 1001,1002	COMMAND PSD FROM CCR	(YES) (NO)	
XSV – 1001,1002,1003	COMMAND ESD FROM CCR	(YES) (NO)	
FESD -1	MANUAL ESD STATION UPPER DECK	(YES) (NO)	
FESD -2	MANUAL ESD STATION CELLAR DECK	(YES) (NO)	
FESD -3	MANUAL ESD STATION SUB CELLAR DECK	(YES) (NO)	
HS -1001	MANUAL PSD	(YES) (NO)	
HS -1002	MANUAL ESD	(YES) (NO)	
HS -1003	ESD RESET	(YES) (NO)	
HS -1004	PLATFORM MANNED/UNMANNED	(YES) (NO)	



WELL SLOT	VALVE POSITION (CLOSE OR NOT CLOSE)			SCSSV CLOSURE TIME (SEC.)	REMARK
	WING VALVE (SDV)	SSV	SCSSV		
1	C/NC	C/NC	C/NC	30	
2	C/NC	C/NC	C/NC	—	No well
3	C/NC	C/NC	C/NC	30	
4	C/NC	C/NC	C/NC	30	
5	C/NC	C/NC	C/NC	—	No well
6	C/NC	C/NC	C/NC	—	No well
7	C/NC	C/NC	C/NC	—	No well
8	C/NC	C/NC	C/NC	30	
9	C/NC	C/NC	C/NC	30	
10	C/NC	C/NC	C/NC	—	No well
11	C/NC	C/NC	C/NC	30	
12	C/NC	C/NC	C/NC	30	
13	C/NC	C/NC	C/NC	30	
14	C/NC	C/NC	C/NC	30	
15	C/NC	C/NC	C/NC	—	No well
16	C/NC	C/NC	C/NC	—	No well
17	C/NC	C/NC	C/NC		
18	C/NC	C/NC	C/NC	—	No well.
19	C/NC	C/NC	C/NC	30	
20	C/NC	C/NC	C/NC	30	



TEST SEPARATOR

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
TIT-1012	TEST SEPARATOR GAS OUTLET TEMPERATURE	0	500	°F															NON-CRITICAL TASK
PIT-1011	TEST SEPARATOR PRESSURE	0	1500	PSIG					650				650						
PIT-1010	TEST SEPARATOR PRESSURE	0	1500	PSIG			280			750	250			750					
LIT-1010	TEST SEPARATOR CONDENSATE LEVEL	0	100	%			10				10								
LIT -1011	TEST SEPARATOR OVERALL LEVEL	0	100	%						80				80					
LIT -1012	TEST SEPARATOR WATER LEVEL	0	100	%															
FIT-1012	TEST SEPRRATOR FLOW HIGH RANGE	0	850	IN															

2) FUNCTIONAL CHECK CONTROL, MOVEMENT AND LEAKAGE OF THE FOLLOWING PRESSURE CONTROL VALVE:

TAG	DESCRIPTION	CONTROL VALVE (COMPLETED)		REMARK
PCV -1011	GAS OUTLET FROM TEST SEPARATOR TO FLARE	(YES)	(NO)	
PCV -1010	GAS OUTLET FROM TEST SEPARATOR TO PRODUCTION	(YES)	(NO)	
LCV -1010	TEST SEPARATOR CONDENSATE CONTROL LEVEL	(YES)	(NO)	NON-CRITICAL TASK
LCV -1012	TEST SEPARATOR WATER CONTROL LEVEL	(YES)	(NO)	NON-CRITICAL TASK

3) COMMAND TO OPERATE AND CHECK FUNCTION OF ON-OFF VALVE:

TAG	DESCRIPTION	SOLENOID	POSITION SWITCH		REMARK
		XSV	ZSC	ZSO	
ABV -1010A	TEST SEPARATOR TO PRODUCTION HEADER	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ABV -1010B	TEST SEPARATOR TO HP VENT HEADER	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ABV -1010C	TEST SEPARATOR TO GAS COMPRESSOR SUCTION HEADER	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ABV -1011A	TEST SEPARATOR TO PRODUCTION HEADER	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ABV -1011B	TEST SEPARATOR TO SUMP TANK	(YES) (NO)	(YES) (NO)	(YES) (NO)	

**4) VISUAL INSPECTIONS AND CLEANING**

4.1 VISUALLY INSPECT ALL ACCESSIBLE ELECTRICAL SYSTEM FOR
LOOSE OR BROKEN CONNECTION, DEFECTIVE CIRCUITRY.

(✓) () REMARKS _____

4.2 INSPECT AND ACCURACY OF ALL INDICATORS AND GAUGES.

(✓) () REMARKS _____

4.3 FLUSH AND CLEAN CONNECTION NOZZLES AND CHAMBERS
OF ALL LEVEL TRANSMITTERS, LEVEL GAUGES AND LEVEL
CONTROLLERS.

(✓) () REMARKS _____

4.4 CLEAN STRAINER OF LIQUID LINE THEN REPLACE GASKET
3" Y-STRAINER.

(✓) () REMARKS _____

4.5 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATOR
LIQUIDS FROM REGULATOR.

(✓) () REMARKS _____



WELL TEST METER

1) PREPARATION TO PERFORM PM TASK:

- 1.1 COORDINATE WITH OPERATOR TO MAKE EQUIPMENT AVAILABLE FOR PM.
- 1.2 PREPARE ORIFICE METER FOR SEMI-ANNUAL PM INSPECTION AND ORIFICE BOX DOOR GASKET.
- 1.3 CERTIFIED PNEUMATIC & PRESSURE CALIBRATORS OR OTHER CERTIFIED CALIBRATION EQUIPMENT.
- 1.4 CERTIFIED RESISTANCE DECADE BOX OR RTD OR CALIBRATOR AND THERMOMETER.

(✓)() REMARKS _____

(✓)() REMARKS _____

(✓)() REMARKS _____

(✓)() REMARKS _____

2) VISUAL INSPECTION:

- 2.1 INSPECT ALL ACCESSIBLE INSTRUMENT SYSTEMS FOR DAMAGES, LEAKS, LOOSE OR BROKEN CONNECTIONS.
- 2.2 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATED LIQUIDS FROM REGULATORS.

(✓)() REMARKS _____

(✓)() REMARKS _____

3) PERFORM CALIBRATION CHECK ON TRANSMITTER: FT-1012,

PT-1011 AND TT-1012:

- 3.1 FLUSH OUT FT-1012, PT-1011 IMPULSE LINES.
- 3.2 VERIFY THE "AS FOUND" PRESSURE TRANSMITTERS, PIT-1011 AND RECORD THE READING:

(✓)() REMARKS _____

FT-1012					
DESIRED INPUT (IN.WC)	DESIRED OUTPUT (IN.WC)	AS FOUND (IN.WC)		AS LEFT (IN.WC)	
		INC	DEC	INC	DEC
0.0	0.0	0	0		
200.0	200.0	200	200		
400.0	400.0	400	400		
600.0	600.0	600	600		
800.0	800.0	800	800		

CRITERIA: ACCURACY WITH IN 0.1% OF SPAN (+/- 0.8 IN.WC.)

PT-1011					
DESIRED INPUT (PSI)	DESIRED OUTPUT (PSI)	AS FOUND (PSI)		AS LEFT (PSI)	
		INC	DEC	INC	DEC
0.0	0.0	0	0		
250.0	250.0	250	250		
500.0	500.0	500	500		
750.0	750.0	750	750		
1,000.0	1,000.0	1000	1000		

CRITERIA: ACCURACY WITH IN 0.1% OF SPAN (+/- 1.0 PSI.)

TT-1012					
DESIRED INPUT (0-500 DEG.F.)	DESIRED OUTPUT (0-500 DEG.F.)	AS FOUND (DEG.F.)		AS LEFT (DEG.F.)	
		INC	DEC	INC	DEC
0.0	0.0	0	0		
125.0	125.0	125	125		
250.0	250.0	250	250		
375.0	375.0	375	375		
500.0	500.0	500	500		

CRITERIA: ACCURACY WITH IN +/- 1 DEG.F.

IF THE "AS FOUND" READINGS OF ANY TRANSMITTER FAIL TO MEET REPERFORM STEP 3.2 UNTIL THE RESULTS OF THAT TRANSMITTERS MEET THE CRITERIA THEN THE LATEST READINGS SHALL BE RECORDED AS "AS LEFT".

(✓)() REMARKS _____

- 5.3 PERFORM TEMPERATURE READING VERIFICATION BY CHECK AGAINST A CERTIFIED THERMOMETER

TT-1012 = 120 DEG.F

CERTIFIED THERMOMETER = 120 DEG.F.

(✓)() REMARKS _____

4) ORIFICE METER FE-1012:

4.1 FLUSH OUT LIQUID IN ORIFICE FITTING CHAMBER.

(✓)() REMARKS _____

4.2 BLEED PRESSURE AND REMOVE IN-USE ORIFICE PLATE AND SEAL FOR INSPECTION. RECORD ITS CONDITIONS.

PLATE BORE DIAMETER: _____

PLATE S/N: _____

() () REMARKS _____

	Pass/ Fail
PLATE SURFACE ROUGHNESS VISUAL	() () REMARKS: _____
EDGE SHARPNESS VISUAL (NO NICK)	() () REMARKS: _____
PLATE FLATNESS VISUAL	() () REMARKS: _____
ORIFICE PLATE SEAL / HOLDER NOT DAMAGE	() () REMARKS: _____
CLEAN ORIFICE PLATE BEFORE RE-INSTALLAION	() () REMARKS: _____

4.4 REINSTALL ORIFICE PLATE AND ENSURE THE BEVEL SIDE (DOWNSTREAM SIDE) FACING TO THE DOWNSTREAM.

() () REMARKS _____

5) CORIOLIS METER – MICROMOTION FDTT-1010:

5.1 CLEAN STRAINER.

(✓)() REMARKS _____

5.2 CHECK TRANSMITTER CONFIGURATION AGAINST ITS CONFIGURATION SHEET. CORRECT ANY DATA DEVIATES FROM ITS CONFIGURATION SHEET.

(✓)() REMARKS _____

5.3 PERFORM ZERO STABILITY CHECK:

5.3.1 ENSURE THE SENSOR IS FULLY FILLED WITH LIQUID.

(✓)() REMARKS _____

5.3.2 CLOSE UPSTREAM AND DOWNSTREAM ISOLATION VALVES OF THE METER TO ENSURE THERE IS NO FLOW.

(✓)() REMARKS _____

5.3.3 PERFORM ZERO CHECK ON THE METER, THIS WILL INDICATE WHETHER ANY CHANGE IN FLOW TUBE. ANY CHANGE COULD BE PIPING STRESS OR DEPOSITION IN THE FLOW TUBE. THE ZERO STABILITY MUST BE STABLE AND WITHIN ITS SPECIFICATION AS FOLLOWS:

*MICROMOTION, MODEL F200S420CRAUEZ1ZZHTMC:
Z.S. +/- 6.965 Kg/h. OR +/- 0.31 Gal/ Min*

IF THE ZERO STABILITY IS OVER ITS SPEC, FLUSH THE FLOW TUBE AND REPEAT STEP 5.3.3, OR REPLACE WITH THE SPARE ONE.

(✓)() REMARKS _____

5.4 PERFORM THE OUTPUT LOOP CHECK AND RECORD (ADJUST IF REQUIRED).

(✓)() REMARKS _____

DESIRED INPUT (Hz.)	DESIRED OUTPUT (BPD)	AS FOUND (BPD)		AS LEFT (BPD)	
		INC	DEC	INC	DEC
0	0	0	0		
2,500	500	2502	500		
5,000	1,000	5010	1011		
7,500	1,500	7513	1512		
10,000	2,000	10000	2000		
CRITERIA: ACCURACY WITH IN 0.5% OF READING					

6) WATER CUT WCT-1010:(ROXAR)

- 6.1 INSPECTION ON ELECTRICAL AND INSTRUMENT SYSTEM FOR SIGN OF BURNT, LEAKS, LOOSE CONNECTIONS, CORRECT AS APPROPRIATE. (✓)() REMARK: _____
- 6.2 INSPECTION FOR ANY ACCESSIVE VIBRATION ON THE SENSOR. SECURE THE SENSOR AS APPROPRIATE. (✓)() REMARK: _____
- 6.3 CHECK ALL CABLES FOR BEND OR DAMAGE. (✓)() REMARK: _____
- 6.4 INSPECT ALL CABLE CONNECTIONS AND ADAPTERS. (✓)() REMARK: _____
- 6.5 CHECK AND RECOED POWER SUPPLY VOLTAGE. (✓)() REMARK: _____
- 6.6 CHANGE WATER ABSORBENT SILICA PAD. (✓)() REMARK: _____
- 6.7 SWITCH WCM OFF FOR 5 MINUTED AND RESTART (NEED TO REPLACE BBRAM IF WCM UNABLE TO REBOOT). (✓)() REMARK: _____
- 6.8 CHECK AND VERIFY PARAMETER, RANGE AND CALIBRATION ON ANALOG INPUTS/OUTPUTS. (✓)() REMARK: _____
- 6.9 CHECK AND VERIFY OUTPUT ON LOCAL DISPLAY. (✓)() REMARK: _____
- 6.10 LOG DIAGNOSTICS AND VERIFY CORRECT MICROWAVE POWER-LEVEL (ADC 250-4095). (✓)() REMARK: _____

CHECK AND VERIFY ALL PARAMETER FOR ROXAR WCM		
ITEM	PARAMETER	ASFOUND
1	SET AUTOSTART (Y)	Y / N
2	SET CONSTANT LINE PRESSURE (600 PSI )	.....PSI.
3	SET SALINITY AUTO CALIBRATE (Y)	Y / N
4	SET EMULSION FLOW (Y)	Y / N
5	TEMPERATURE UNIT (° F)	
6	PRESSURE UNIT (PSI)	
7	DENSITY UNIT (KG/M ³)	
8	ANALOG INPUT VALUE (TEMPERATURE)	
	8.1) CHANGE 4-20 mA LOOP POWER SOURCE (INTERNAL)	
	8.2) LOW TEMPERATURE INPUT VALUE	
	8.2) HIGH TEMPERATURE INPUT VALUE	
9	ANALOG INPUT VALUE (DENSITY)	
	8.1) CHANGE 4-20 mA LOOP POWER SOURCE (EXTERNAL)	
	8.2) LOW DENSITY INPUT VALUE (500 KG/M ³ )	.....( KG/M ³)
	8.2) HIGH DENSITY INPUT VALUE (1500 KG/M ³ )	.....( KG/M ³)
10	ANALOG OUTPUT #1 (% WATER BY VOLUME)	
	10.1) LOW OUTPUT VALUE (0%)	
	10.1) HIGH OUTPUT VALUE (100%)	
11	ANALOG OUTPUT #2 (MIXTURE DENSITY)	
	11.1) LOW OUTPUT VALUE (500 KG/M ³ )	.....( KG/M ³)
	11.1) HIGH OUTPUT VALUE (1500 KG/M ³ )	.....( KG/M ³)
12	ANALOG OUTPUT #3 (% WATER BY VOLUME TO LOCAL DISPLAY)	
	10.1) LOW OUTPUT VALUE (0%)	
	10.1) HIGH OUTPUT VALUE (100%)	
12	DRY OIL DENSITY VALUE	
13	WATER CONDUCTIVITY VALUE	.....mS/cm at° F



ANALOG INPUT CALIBRATIONS

Input #1: Temperature

Input #2: Density

Input current (mA)	As found (mA)	As left (mA)	Input current (mA)	As found (mA)	As left (mA)
4			4		
8			8		
12			12		
16			16		
20			20		

ANALOG OUTPUT CALIBRATIONS

Output #1: % Water by Volume

Output #2: Mixture density

Output simulation (mA)	As found (mA)	As left (mA)	Panel view	Output simulation (mA)	As found (mA)	As left (mA)	Panel view
4				4			
8				8			
12				12			
16				16			
20				20			

7) FINAL INSPECTION:

- 7.1 RETURN THE SYSTEM TO SERVICE.
7.2 CHECK SYSTEM FOR LEAKS.

() () REMARK: water cut out of service.
() () REMARK: _____

8) COOPERATE WITH PRODUCTION TO PUT THE WELL TO TEST:

(RECOMMENDED HIGH OIL WELL AND HIGH WATER WELL)
TAKE TWO SAMPLES ON VARIOUS LEVEL AND FLOW CONDITIONS.
RECORD READINGS FROM CORIOLIS METER AND MANUAL SAMPLE ANALYZED RESULTS.

() () REMARK: _____

• HIGH OIL WELL

RECORD MANUAL SAMPLE ANALYZED RESULT: DENSITY = kg/m³
RECORD READING FROM CORIOLIS METER: DENSITY = kg/m³

• HIGH WATER WELL

RECORD MANUAL SAMPLE ANALYZED RESULT: DENSITY = kg/m³
RECORD READING FROM CORIOLIS METER: DENSITY = kg/m³

9) PM TASK AND ORIFICE METER PM INSPECTION REPORT:

- 9.1 SCAN THIS JOB CARD AND ATTACH TO WORK ORDER.
9.2 CLOSE PM WORK ORDER AND RECORD ANY CORRECTIVE ACTIONS IN CMMS.

() () REMARK: _____

() () REMARK: _____



GAS LIFT SKID

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
TIT-1021	GAS LIFT SKID TEMPERATURE	0	300	°F															NON-CRITICAL TASK

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT-1044	GAS LIFT WELL SLOT A	0	1500	psig				500				500							NON-CRITICAL TASK
PIT-1045	GAS LIFT WELL SLOT B	0	1500	psig				500				500							NON-CRITICAL TASK
PIT-1046	GAS LIFT WELL SLOT C	0	1500	psig				500				500							NON-CRITICAL TASK
PIT-1047	GAS LIFT WELL SLOT D	0	1500	psig				500				500							NON-CRITICAL TASK
PIT-1048	GAS LIFT WELL SLOT E	0	1500	psig				500				500							NON-CRITICAL TASK
PIT-1049	GAS LIFT WELL SLOT F	0	1500	psig				500				500							NON-CRITICAL TASK
PIT-1050	GAS LIFT WELL SLOT G	0	1500	psig				500				500							NON-CRITICAL TASK
PIT-1051	GAS LIFT WELL SLOT H	0	1500	psig				500				500							NON-CRITICAL TASK

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	AS FOUND (%)					AS LEFT (%)					REMARK
					0	25	50	75	100	0	25	50	75	100	
PIT-1044	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1045	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1046	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1047	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1048	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1049	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1050	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1051	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK



UTILITY GAS SCRUBBER

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANG E	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS FOUND				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -1305	UTILITY GAS SCRUBBER INLET	0	300	PSIG	4	20	75			230	75			230	-			-	
PIT-1300	INSTRUMENT GAS SCRUBBER INLET	0	300	PSIG	4	20	75			135	75			135	-			-	
LIT-1300	INSTRUMENT GAS SCRUBBER LEVEL	0	100	%	4	20				80				80				-	
TAG	DESCRIPTION	MIN. RANG E	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS FOUND				AS LEFT				REMARK
							LALL	LCL	LCH	LAHH	LALL	LCL	LCH	LAHH	LALL	LCL	LCH	LAHH	
LIT-1302	INSTRUMENT GAS SCRUBBER LEVEL	0	100	%	4	20													
LIT-1350	UTILITY GAS SCRUBBER LEVEL	0	100	%	4	20				80				80				-	

2) FUNCTIONAL CHECK CONTROL, MOVEMENT AND LEAKAGE OF THE FOLLOWING CONTROL/SOLENOID VALVE:

TAG	DESCRIPTION	SET POINT (PSI)	XSV	CONTROL VALVE	REMARK
LCV -1350	UTILITY GAS SCRUBBER LEVEL	-	(YES) (NO)	(YES) (NO)	NON-CRITICAL TASK
LCV -1302	INSTRUMENT GAS SCRUBBER LEVEL	-	(YES) (NO)	(YES) (NO)	NON-CRITICAL TASK
PCV -1300	GAS INLET TO UTILITY GAS SCRUBBER	200		(YES) (NO)	
PCV -1301	GAS INLET TO UTILITY GAS SCRUBBER	200		(YES) (NO)	
PCV -1303	INSTRUMENT GAS	125		(YES) (NO)	
PCV -1304	INSTRUMENT GAS	125		(YES) (NO)	
PCV -1305	BLACK START FORM PIPELINE	125		(YES) (NO)	
PCV -1306	BLACK START TO FUSIBLE/ESD	50		(YES) (NO)	

**3) COMMAND TO OPERATE AND CHECK FUNCTION OF SDV:**3.1 PERFORM SHUTDOWN VALVE PASSING TEST OF SDV-1300 = 0 PSI/30 MINUTES

(✓) () REMARK: _____

TAG	DESCRIPTION	SOLENOID	POSITION SWITCH		CLOSING TIME	REMARK
		XSV	ZSC	ZSO	sec	
SDV-1300	UTILITY GAS SCRUBBER INLET	(YES) (NO)	(YES) (NO)	(YES) (NO)	1	
BDV-1301	UTILITY VENT TO FLARE	(YES) (NO)	(YES) (NO)	(YES) (NO)	1.	



4) REPLACE FILTER OF INSTRUMENT GAS SYSTEM (V-1300).

(✓)() REMARK: _____

5) VISUAL INSPECTIONS AND CLEANING (NON-CRITICAL TASK)

5.1 VISUALLY INSPECT ALL ACCESSIBLE ELECTRICAL SYSTEM FOR
LOOSE OR BROKEN CONNECTION, DEFECTIVE CIRCUITRY.

(✓)() REMARK: _____

5.2 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATE
LIQUIDS FROM REGULATOR.

(✓)() REMARK: _____

5.3 CLEAN SUCTION Y STRAINERS OF ALL PRESSURE CONTROL VALVES.

(✓)() REMARK: _____

5.4 INSPECT AND CLEAN ALL FILTERS.

(✓)() REMARK: _____

5.5 EXERCISE ALL MANUAL VALVES FOR FREE OF MOVEMENT,
GREASE AS REQUIRED.

(✓)() REMARK: _____



SUMP TANK (OPEN DRAIN / CLOSE DRAIN)

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
FS-1060	SUMP PUMP TO PRODUCTION HEADER																		ON/OFF function
PIT-1040	CLOSE DRAIN SUMP TANK	0	50	psig	A	20				5				6					
LIT-1041	CLOSE DRAIN SUMP TANK	0	100	%	A	20				80				60					
TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT(°F)				AS Found				AS LEFT				REMARK
							LAL	LCL	LCH	LAH	LAL	LCL	LCH	LAH	LAL	LCL	LCH	LAH	
LIT-1040	CLOSE DRAIN SUMP TANK	0	100	%	A	20													NON-CRITICAL-TASK

2) FUNCTIONAL CHECK CONTROL, MOVEMENT AND LEAKAGE OF THE FOLLOWING CONTROL/SOLENOID VALVE:

TAG	DESCRIPTION	SETPOINT (psig)	XSV	CONTROL VALVE	REMARK
LCV -1040	CLOSE DRAINS TANK LEVEL		(YES) (NO)	(YES) (NO)	NON-CRITICAL-TASK



3) VISUAL INSPECTIONS CLEANING AND FILTERING

3.1 VISUALLY INSPECT ALL ACCESSIBLE INSTRUMENT SYSTEM FOR DAMAGE
FAULTS, LEAKS, LOOSE OR BROKEN CONNECTIONS.

(✓)() REMARK: _____

3.2 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATE
LIQUIDS FROM REGULATOR.

(✓)() REMARK: _____

3.3 CHECK CONDITION AND ACCURACY OF ALL INDICATORS AND GAUGES.

(✓)() REMARK: _____

3.4 CLEAN SUCTION STRAINER OF OPEN DRAIN AND CLOSE DRAIN PUMP.

(✓)() REMARK: _____



IMPORT PIPELINE / RECEIVER / EXPORT PIPELINE / LAUNCHER

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
TIT-1000	OUT GOING PIPELINE	0	300	°F					210				210				✓		
PIT-1008	OUT GOING PIPELINE	0	1500	PSIG			250	350	650	750	250	350	650	750	✓	✓	✓	✓	

POWER SYSTEM (EXCLUDE GENERATOR)

1) PERFORM CHECK ON D/C POWER SYSTEM:

- 1.1 CHECK CABLE CONNECTIONS SECURITY ON DC DISTRIBUTION PANEL. (✓)() REMARK: _____
 1.2 CHECK & CLEAN SOLAR CELL PANELS. () (✓) REMARK: No Solar Cell
 1.3 CHECK SCI (SOLAR CHARGER AND CONTROLLER), AND CORRECT FLOAT CHARGE SETTING AS PER BATTERY MFG'S RECOMMENDATION. () (✓) REMARK: _____

2) CHECK ON SOLAR CELL, BATTERY CHARGER, AND BANKS (BA-01 & COMM)

BATTERY:

- 2.1 CHECK **BATTERY OHMIC TESTING** VALUE AND RECORD ON BELOW TABLE (IF **OVER 50% CHANGE** FROM BASE VALUE, CONSIDER BATTERY REPLACEMENT OR POOR INTERCELL CONNECTION). () (✓) REMARK: No Solar cell
 2.2 CHECK VOLT PER CELL/UNIT AND RECORD ON BELOW TABLE, IN CASE OF DIFFERENCE IN CELL VOLTAGE EXCEEDING 0.3 VOLTS, CONSIDER AN EQUALIZING CHARGE TO BRING ALL CELLS TO SAME VOLTAGE RATE). (✓)() REMARK: _____

REMARK: RECOMMENDED CHARGE VOLTAGES FOR THE ABSOLUTE GP, VRLA AGM(ONLY) ARE AS FOLLOWS:
 1. FLOAT CHARGE: VPC=2.20 TO 2.27 VPC (AT 25 C) (or 2.20 AT 35C)

BATTERY TYPE SAGM 06365 NUMBER OF STRING 3 NUMBER OF CELL 12

NO.	OHMIC C/R/I	Volt per Cell (Vdc)	NO.	OHMIC C/R/I	Volt per Cell (Vdc)	NO.	OHMIC C/R/I	Volt per cell (Vdc)	NO.	OHMIC C/R/I	Volt per Cell (Vdc)
1		6.5	13			25			37		
2		6.5	14			26			38		
3		6.5	15			27			39		
4		6.5	16			28			40		
5		6.5	17			29			41		
6		6.5	18			30			42		
7		6.5	19			31			43		
8		6.5	20			32			44		
9		6.5	21			33			45		
10		6.5	22			34			46		
11		6.5	23			35			47		
12		6.5	24			36			48		

BATTERY REPLACEMENT CRITERIA: THE ENTIRE SHOULD BE REPLACED WHEN 20% OF TOTAL CELLS OF EACH STRING HAVE BEEN REPLACED

- 2.3 RE-TIGHTEN BATTERY TERMINAL SUPPLY AT PLC CABINET. (✓)() REMARKS _____

3) CHECK ON BATTERY BANKS (NAV-AIDS):

SOLAR:

- 3.1 POWER-OFF SOLAR CELL SYSTEM: (✓)() REMARK: _____

	VOLATGE (VDC)	CURRENT (AMP)
SOLAR CELL PANEL-A	17.5	2.5

CHARGER:

- 3.2 CHECK AND DATA RECORD FOR DC VOLTAGE (FLOAT)
 SET ~ VDC, AS FOUND ~ VDC, AS FOUND ~ AMP. (✓)() REMARK: _____
 3.3 CONFIRM CHECK AND RECORD DC OUTPUT VOLTAGE AND AMPARE AT LOCAL AND HMI MONITOR.
 LOCAL = 13.1 VDC., 2.5 AMP.
 HMI = ~ VDC., ~ AMP. (✓)() REMARK: _____
 3.4 CHECK AND RECORD BATTERY CELLS VOLT PER CELL (VPC)/
BATTERY OHMIC TESTING. (✓)() REMARK: _____

BATTERY TYPE Trojan AGM31



NO.	OHMIC (C/R/I)	Volt per Cell (VDC)
1	-	13.1

- 3.5 RE-TIGHTEN BATTERY TERMINAL SUPPLY AT PLC CABINET. (✓)() REMARK: _____
- 3.6 MARINE LANTERNS:
PERFORM INSPECT AND CARRY OUT AS FOLLOWS:
- 3.6.1 CHECK CABLES AND TERMINALS, VERIFY GROUNDED. (✓)() REMARK: _____
- 3.6.2 CHECK LEN/LEN'S COVER FOR DEFECT, REPLACE IF DEFECTIVE. (✓)() REMARK: _____
- 3.6.3 CHECK O-RING SEAL. (✓)() REMARK: _____
- 3.6.4 CHECK LAMP AND LAMP CHANGERS, CHANGE THE DEFECTED BULBS. (✓)() REMARK: _____
- 3.6.5 CHECK THE OPERATION AND INTENSITY OF LIGHT SIGNAL MORSE U-CODE. (✓)() REMARK: _____
- 3.7 **PHOTO SWITCH:** CHECK THE OPERATION OF PHOTO VOLTAIC SWITCH (SUN SWITCH) CLEAN UP AS NECESSARY. (✓)() REMARK: _____

4) PERFORM CHECK DC POWER ON TEG GENERATOR (SK-1250):

PERFORM CHECK DC POWER TEG GENERATORS OF THE FOLLOWING (ONE UNIT AT A TIME):

- 4.1 WHILE UNITS ONLOAD, CHECK AND RECORD FUEL PRESSURE VOLTS/AMPS METER READING ON EACH GENERATOR, CORRECT IF REQUIRED.
- G-1250A, OUTPUT 27.2 VDC, AMPARE 1.74 AMP.
FUEL PRESSURE 4 PSI, TEMP, - °F
- G-1250B, OUTPUT 27.5 VDC, AMPARE 2.69 AMP.
FUEL PRESSURE 6 PSI, TEMP, - °F
- G-1250C, OUTPUT 27.3 VDC, AMPARE 3.84 AMP.
FUEL PRESSURE 8 PSI, TEMP, - °F
- G-1250D, OUTPUT - VDC, AMPARE - AMP.
FUEL PRESSURE - PSI, TEMP, - °F. (✓)() REMARK: _____
- 4.2 SELECT V-SET/RUN SELECTOR SWITCH TO V-SET POSITION AND WAITING FOR 15 MINS, THEN RECORD V-SET OF EACH UNIT.
- G-1250A, Vset 6.7 VDC, AMPARE 15.0 AMP.
- G-1250B, Vset 6.5 VDC, AMPARE 15.4 AMP.
- G-1250C, Vset 6.4 VDC, AMPARE 16.2 AMP.
- G-1250D, Vset - VDC, AMPARE - AMP. (✓)() REMARK: _____
- 4.3 ON PLATFORM EQUIPPED WITH CO₂ MEMBRANE PANEL, USING DRAGGER TUBE TO MEASURE PERCENT CO₂ ON THE TEG FUEL SUPPLY LINE, DOWN STREAM OF THE CO₂ MEMBRANE UPSTREAM CO₂ CONTENT - %.
- DOWNSTREAM CO₂ CONTENT - %. () () REMARK: N/A
- () () REMARK: N/A
- 4.4 DRAIN LIQUID FROM CARTRIDGE FILTER ON CO₂ MEMBRANE PANEL. (✓)() REMARK: _____
- 4.5 NEED ANNUALLY REPLACE CO₂ MEMBRANE FILTER ACTIVATED CARBON FILTER AND SILICA FILTER IF NECESSARY. (✓)() REMARK: _____
- 4.6 SHUTDOWN THE GENERATOR BEING TESTED, ALLOWING UNITS TO COOLDOWN AND CHECK OF THE FOLLOWING:
- 4.6.1 VERIFY FUNCTION OF THERMAL FUEL SHUT OFF VALVE. (✓)() REMARK: _____
- 4.6.2 CHECK & CORRECT FUEL PRESSURE GAUGE, REPLACE IF REQUIRED. (✓)() REMARK: _____
- 4.6.3 CHECK FUEL NOZZLE, CLEAN WITH SOLVENT AS NECESSARY. (✓)() REMARK: _____
- 4.6.4 DRAIN SEDIMENT BOWL OF FUEL REGULATOR. (✓)() REMARK: _____
- 4.6.5 CLEAN COOLING FIN. (✓)() REMARK: _____
- 4.6.6 CLEAN EXHAUST FLAME ARRESTOR, REPLACE AS NECESSARY. (✓)() REMARK: _____
- 4.6.7 CLEAN AIR INTAKE FLAME ARRESTOR, REPLACE AS NECESSARY. (✓)() REMARK: _____
- 4.7 RESTART TEG GENERATOR AND CHECK OF THE FOLLOWING:
- 4.7.1 SETUP & RECORD BY USING THE GLOBAL SETUP DATA LOG SHEET FORMAT AND FOLLOW UP UNTIL STABILIZED
- NOTE:** ENSURE THE V-SET VOLTAGE NOT OVER 6.8 VDC. (✓)() REMARK: _____
- 4.7.2 CHECK & RECORD FINAL V-SET, COMPARE WITH THE



PREVIOUS RECORD ON STEP 7.1 & 7.2.

(✓)() REMARK: _____

- 4.7.3 SWITCH V-SET & RUN SELECTOR TO V-SET POSITION
AND WAIT FOR 15 MINS, THEN RECORD V-SET OF
EACH UNIT.

G-1250A, VSet = 6.7 V, AMPARE = 15.2 AMPS.

G-1250B, VSet = 6.6 V, AMPARE = 15.2 AMPS.

G-1250C, VSet = 6.5 V, AMPARE = 16.0 AMPS.

G-1250D, VSet = — V, AMPARE = ✓ AMPS.

(✓)() REMARK: _____

- 4.7.4 WHILE UNITS ON LOAD, CHECK AND RECORD FUEL PRESURE
VOLTS/AMPS METER READING ON EACH GENERATOR, CORRECT
IF REQUIRED.

G-1250A, OUTPUT = 27.3 V, AMPARE = 1.74 AMPS.

FUEL PRESSURE = 7.5 PSI, TEMP = — °F

G-1250B, OUTPUT = 27.3 V, AMPARE = 2.64 AMPS.

FUEL PRESSURE = 6 PSI, TEMP = — °F

G-1250C, OUTPUT = 27.2 V, AMPARE = 3.75 AMPS.

FUEL PRESSURE = 7.5 PSI, TEMP = — °F

G-1250D, OUTPUT = — V, AMPARE = — AMPS.

FUEL PRESSURE = — PSI, TEMP = ✓ °F.

(✓)() REMARK: _____

- 4.7.5 ENSURE TOTAL GENERATOR POWER OUTPUT IS SUFFICIENT TO
PROVIDE EXCESS POWER TO CHARGE THE BATTERY BANK UNDER
MFGR'S RECOMMENDED.

(✓)() REMARK: _____

- 4.7.6 ENSURE ALL STARTING CLIPS OF THE SHUT-OFF VALVES
ARE REMOVED PRIOR BRING THE SYSTEM BACK TO
NORMAL OPERATION.

(✓)() REMARK: _____



SAFETY RELATED EQUIPMENT

1) VISUAL INSPECTIONS:

1.1 VISUAL INSPECTION FOR ALL SAFETY EQUIPMENT TO CHECK
DAMAGE FAULTS, LOOSEN OR BROKEN CONNECTIONS.

(✓)() REMARKS _____

2) PERFORM INSPECTION SAFETY RELATED EQUIPMENT:

2.1 DRY CHEMICAL EXTINGUISHER (HAND PORTABLE):

2.1.1 MAKE A VISUAL INSPECTION OF EACH EXTINGUISHER FOR
DAMAGE, CORROSION AND CONFIRM ITS YELLOW SEAL
HAS NOT BEEN BROKEN.

(✓)() REMARKS _____

2.1.2 CONFIRM EACH EXTINGUISHER LOCATION HAS PROPER
TYPE OF EXTINGUISHER.

(✓)() REMARKS _____

2.1.3 ENSURE THAT THE APPROACH IS FREE OF OBSTRUCTIOS.

(✓)() REMARKS _____

2.1.4 CHECK ON THE OPERATE NOZZLE HANDLE FOR FREE
MOVEMENT.

(✓)() REMARKS _____

2.1.5 REMOVE THE CARTRIDGE, CHECK TO SEE IF THE CATRIDGE
IS SEALED AND CHECK THE WEIGHT, REPLACE CARTRIDGE IF
LOSS GEATER THAN 1/2 OZ.

(✓)() REMARKS _____

2.1.6 OPERATE PUNCTURE MECHANISM WITH CARTRIDGE, CHECK
FOR FREE MOVEMENT.

(✓)() REMARKS _____

2.1.7 REMOVE FILL CAP, INSPECT THREADS AND SEAL.

(✓)() REMARKS _____

2.1.8 REFILL WITH FREE FLOWING DRY CHEMICAL, IF THE POWDER
LEVEL IS LESS THAN 70-80%.

(✓)() REMARKS _____

2.1.9 RE-INSTALL FILL CAP WITH HAND TIGHT ONLY.

(✓)() REMARKS _____

=====

COMPLETED BY: Thachakorn D, Pongsetorn S, Jirapong M. DATE: 12 Oct 2025

COMMENT: water cut out of service waiting for Main board part.

SUPERVISOR: _____, DATE: _____



W/O 1167727 1Y 3M wellhead platform

PLATONG PM

<u>Revision</u>	<u>Date</u>	<u>Reason for Issue/Change</u>	<u>CMOR #</u>	<u>Enter by</u>
1	06-Jun-2017	WHP PM Optimization	1017/17	Krittin S.
2	20-Aug-19	Revise jobcard	0721/19	MOT Team
3	6-Dec-19	Revise jobcard	1105/19	MOT Team
4	10-Feb-21	Revise Jobcard	0050/21	Songkiet M.

JOB CARD NUMBER: 1.5Y WELL HEAD PLATFORM PM
SKID/EQUIPMENT: YA-PM-POOL-YAWF WHP PM POOL - YAWF
OPT. SEQUENCE: 10 1.5Y WELL HEAD PLATFORM PM – MOT
WORK CENTER: PLMOT

YAWF

CREW SIZE 6 **DURATION** 30 **EST. MAN-HRS** 180 **RESOURCE DESCRIPTIONS**
 MAINTENANCE & OPERATION, PLATONG

EQUIPMENT CRITICAL: **REQUIRED OPERATIONAL STATUS:**
ECA: C2 **IC:** N/A **PLANT:** ONLINE **EQUIPMENT:** SHUTDOWN

MFGR, INDUSTRY REFERENCES AND ENGINEERING RECOMMENDATION:
 NA

EQUIPMENT UNDER THIS PM TASK:
 YA-PM-POOL-YAWF WHP PM POOL - YAWF
 YA-WELL-CONTROL- YAWF
 YA-V1010- YAWF
 YA-TEST-SEP-METER- YAWF
 YA-ASD- YAWF
 YA-V1040- YAWF
 YA-GAS LIFT-YAWF
 YA-UG/IG- YAWF
 YA-SAFTY- P YAWF
 YA-ESD- YAWF
 YA-POWER- YAWF

SPARE PARTS REQUIREMENT:

<u>STOCK</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>	<u>UOM</u>
<u>WELL CONTROL</u>				
29349	ELEMENT: GAS SUPPLY FILTER, TYPE LIQUID	2	EA	
98527	O-RING FOR GAS SUPPLY FILTER	2	EA	
<u>WELL TEST METER</u>				
95036	GASKET 3" Y-STRAINER	1	EA	
<u>POWER SYSTEM</u>				
43336	COALESCING FILTER	1	EA	
98528	O-RING FOR COALESCING FILTER	1	EA	
49813	IGNITER; TYPE ROD	4	EA	
71240	CONNECTOR: SIZE 1/16-1/8 IN MATL NYLON	4	EA	
67940	BATTERY; DRY CELL TYPE RECHARGEABLE 2V.	4	EA	



Identify Platform Type

- A. CHECK PRODUCTION OF THIS PLATFORM No Prod. BOE (BOE = SCFM X1000/6)
- A.1. () IF PRODUCTION IS OVER 1,000 BOE, HIGH PRODUCTION PLATFORM. ALL TASKS SHALL BE CONDUCTED
- A.2. () IF PRODUCTION IS LOWER THAN 1,000 BOE, LOW PRODUCTION PLATFORM. NON CRITICAL TASKS DO NOT NEED TO BE CONDUCTED

Wellhead Control Panel CP-100

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
LIT -1001	WHCP HYDRAULIC OIL RESERVOIR LEVEL	0	100	%			12	50											
PIT -1001	WHCP SSV HYDRAULIC SYSTEM PRESSURE	0	3000	psig			1100	1500											
PIT -1002	WHCP SCSSV HYDRAULIC SYSTEM PRESSURE	0	10000	psig			4000	4100											

TAG	DESCRIPTION	UNIT	SETPOINT	AS Found	AS LEFT	REMARK
PSL -11	WELL SLOT 1 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -21	WELL SLOT 2 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -31	WELL SLOT 3 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -41	WELL SLOT 4 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -51	WELL SLOT 5 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -61	WELL SLOT 6 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -71	WELL SLOT 7 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -81	WELL SLOT 8 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -91	WELL SLOT 9 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -101	WELL SLOT 10 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -111	WELL SLOT 11 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			



PSL -121	WELL SLOT 12 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -131	WELL SLOT 13 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -141	WELL SLOT 14 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -151	WELL SLOT 15 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -161	WELL SLOT 16 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -171	WELL SLOT 17 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -181	WELL SLOT 18 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -191	WELL SLOT 19 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -201	WELL SLOT 20 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			

**2) PERFORM CHECK WELLHEAD CONTROL PANEL (NON-CRITICAL TASK):**

- 2.1 VISUALLY INSPECT ALL ACCESSIBLE INSTRUMENT SYSTEM FOR DAMAGES, LEAKS, LOOSE OR BROKEN CONNECTIONS. () () REMARKS _____
- 2.2 CHECK PRE-CHARGED PRESSURE OF ACCUMULATOR, FOR SDV/SSV CIRCUIT & SCSSV CIRCUIT AS PER NAME PLATE, RECHARGE NITROGEN IF NECESSARY. () () REMARKS _____
- 2.3 CHECK SELF OPERATED REGULATORS FOR LEAKS AND DEFECTS. () () REMARKS _____
- 2.4 INSPECT AND CHECK ACCURACY OF ALL PRESSURE GAUGES. () () REMARKS _____
- 2.5 CHECK & CLEAN PANELS INTERNALLY AND EXTERNALLY. () () REMARKS _____
- 2.6 CHECK HYDRAULIC OIL QUALITY, REPLACE HYDRAULIC OIL AND CLEAN RESERVOIR TANK AND DRAIN HYDRAULIC OIL IN RETURN RESERVOIR. () () REMARKS _____
- 2.7 REPLACE HYDRAULIC OIL FILTER. () () REMARKS _____
- 2.8 REPLACE INSTRUMENT GAS FILTER. () () REMARKS _____
- 2.9 RECHECK ALL ACCESSIBLE INSTRUMENT SYSTEM FOR DAMAGES, LEAKS, LOOSE OR BROKEN CONNECTIONS. () () REMARKS _____
- 2.10 REPLACE ALL HYDRAULIC PUMPS. () () REMARKS _____



Wellhead

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -13	WELL SLOT 1 TUBING PRESSURE	0	4000	psig					3000										
PIT -23	WELL SLOT 2 TUBING PRESSURE	0	4000	psig					3000										
PIT -33	WELL SLOT 3 TUBING PRESSURE	0	4000	psig					3000										
PIT -43	WELL SLOT 4 TUBING PRESSURE	0	4000	psig					3000										
PIT -53	WELL SLOT 5 TUBING PRESSURE	0	4000	psig					3000										
PIT -63	WELL SLOT 6 TUBING PRESSURE	0	4000	psig					3000										
PIT -73	WELL SLOT 7 TUBING PRESSURE	0	4000	psig					3000										
PIT -83	WELL SLOT 8 TUBING PRESSURE	0	4000	psig					3000										
PIT -93	WELL SLOT 9 TUBING PRESSURE	0	4000	psig					3000										
PIT -103	WELL SLOT 10 TUBING PRESSURE	0	4000	psig					3000										
PIT -113	WELL SLOT 11 TUBING PRESSURE	0	4000	psig					3000										
PIT -123	WELL SLOT 12 TUBING PRESSURE	0	4000	psig					3000										
PIT -133	WELL SLOT 13 TUBING PRESSURE	0	4000	psig					3000										
PIT -143	WELL SLOT 14 TUBING PRESSURE	0	4000	psig					3000										
PIT -153	WELL SLOT 15 TUBING PRESSURE	0	4000	psig					3000										
PIT -163	WELL SLOT 16 TUBING PRESSURE	0	4000	psig					3000										
PIT -173	WELL SLOT 17 TUBING PRESSURE	0	4000	psig					3000										
PIT -183	WELL SLOT 18 TUBING PRESSURE	0	4000	psig					3000										
PIT -193	WELL SLOT 19 TUBING PRESSURE	0	4000	psig					3000										
PIT -203	WELL SLOT 20 TUBING PRESSURE	0	4000	psig					3000										



TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -10	WELL SLOT 1 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -20	WELL SLOT 2 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -30	WELL SLOT 3 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -40	WELL SLOT 4 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -50	WELL SLOT 5 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -60	WELL SLOT 6 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -70	WELL SLOT 7 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -80	WELL SLOT 8 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -90	WELL SLOT 9 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -100	WELL SLOT 10 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -110	WELL SLOT 11 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -120	WELL SLOT 12 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -130	WELL SLOT 13 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -140	WELL SLOT 14 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -150	WELL SLOT 15 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -160	WELL SLOT 16 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -170	WELL SLOT 17 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -180	WELL SLOT 18 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -190	WELL SLOT 19 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -200	WELL SLOT 20 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									



TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -1000	7" COMMON CASING PRESSURE	0	1000	psig					500										

WELL SLOT	TAG	DESCRIPTION	SOLENOID	POSITION SWITCH		REMARK
			XSV	ZSC	ZSO	
1	ABV -10B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -10P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -10T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
2	ABV -20B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -20P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -20T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
3	ABV -30B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -30P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -30T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
4	ABV -40B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -40P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -40T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
5	ABV -50B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -50P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -50T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
6	ABV -60B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -60P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -60T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
7	ABV -70B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -70P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -70T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	



8	ABV -80B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -80P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -80T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
9	ABV -90B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -90P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -90T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
10	ABV -100B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -100P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -100T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
11	ABV -110B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -110P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -110T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
12	ABV -120B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -120P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -120T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
13	ABV -130B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -130P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -130T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
14	ABV -140B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -140P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -140T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
15	ABV -150B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -150P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -150T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
16	ABV -160B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -160P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -160T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
17	ABV -170B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -170P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -170T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	



18	ABV -180B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -180P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -180T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
19	ABV -190B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -190P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -190T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
20	ABV -200B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -200P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -200T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ALL MANIFOLD ABV VALVE		LUBRICATE ALL ABV	(YES) (NO)			

R/F S/D

** If found any abnormal on ABV especially stuck close/open, "Troubleshooting guideline for ABV positioner fault alarm" must be strictly followed **



ADJUSTABLE CHOKE VALVE		FUNCTION TEST AND OBSERVE ACCURACY	REMARK	
CVA -10	CHOKE VALVE	(YES) (NO)	P/F SD	NON-CRITICAL TASK
CVA -20	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -30	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -40	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -50	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -60	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -70	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -80	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -90	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -100	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -110	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -120	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -130	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -140	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -150	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -160	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -170	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -180	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -190	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -200	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK

FIRE & GAS DETECTION, FUSIBLE LOOP AND MANUAL ESD STATIONS

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PSLL -1005	FUSIBLE PLUG FIRE LOOP	0	150	psig			40												
PSLL -1006	MANUAL ESD LOOP	0	150	psig			40												

TAG	DESCRIPTION	FUNCTION	REMARK
XSV – 1001,1002	COMMAND PSD FROM CCR	(YES) (NO)	
XSV – 1001,1002,1003	COMMAND ESD FROM CCR	(YES) (NO)	
FESD -1	MANUAL ESD STATION UPPER DECK	(YES) (NO)	
FESD -2	MANUAL ESD STATION CELLAR DECK	(YES) (NO)	
FESD -3	MANUAL ESD STATION SUB CELLAR DECK	(YES) (NO)	
HS -1001	MANUAL PSD	(YES) (NO)	
HS -1002	MANUAL ESD	(YES) (NO)	
HS -1003	ESD RESET	(YES) (NO)	
HS -1004	PLATFORM MANNED/UNMANNED	(YES) (NO)	



WELL SLOT	VALVE POSITION (CLOSE OR NOT CLOSE)			SCSSV CLOSURE TIME (SEC.)	REMARK
	WING VALVE (SDV)	SSV	SCSSV		
1	C / NC	C / NC	C / NC		
2	C / NC	C / NC	C / NC		
3	C / NC	C / NC	C / NC		
4	C / NC	C / NC	C / NC		
5	C / NC	C / NC	C / NC		
6	C / NC	C / NC	C / NC		
7	C / NC	C / NC	C / NC		
8	C / NC	C / NC	C / NC		
9	C / NC	C / NC	C / NC		
10	C / NC	C / NC	C / NC		
11	C / NC	C / NC	C / NC		
12	C / NC	C / NC	C / NC		
13	C / NC	C / NC	C / NC		
14	C / NC	C / NC	C / NC		
15	C / NC	C / NC	C / NC		
16	C / NC	C / NC	C / NC		
17	C / NC	C / NC	C / NC		
18	C / NC	C / NC	C / NC		
19	C / NC	C / NC	C / NC		
20	C / NC	C / NC	C / NC		



TEST SEPARATOR

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
TIT-1012	TEST SEPARATOR GAS OUTLET TEMPERATURE	0	500	°F															NON-CRITICAL TASK
PIT-1011	TEST SEPARATOR PRESSURE	0	1500	PSIG					650										
PIT-1010	TEST SEPARATOR PRESSURE	0	1500	PSIG			280			750									
LIT-1010	TEST SEPARATOR CONDENSATE LEVEL	0	100	%			10												
LIT -1011	TEST SEPARATOR OVERALL LEVEL	0	100	%						80									
LIT -1012	TEST SEPARATOR WATER LEVEL	0	100	%															
FIT-1012	TEST SEPRATOR FLOW HIGH RANGE	0	850	IN															

2) FUNCTIONAL CHECK CONTROL, MOVEMENT AND LEAKAGE OF THE FOLLOWING PRESSURE CONTROL VALVE:

TAG	DESCRIPTION	CONTROL VALVE (COMPLETED)	REMARK
PCV -1011	GAS OUTLET FROM TEST SEPARATOR TO FLARE	(YES) (NO)	
PCV -1010	GAS OUTLET FROM TEST SEPARATOR TO PRODUCTION	(YES) (NO)	
LCV -1010	TEST SEPARATOR CONDENSATE CONTROL LEVEL	(YES) (NO)	NON-CRITICAL TASK
LCV -1012	TEST SEPARATOR WATER CONTROL LEVEL	(YES) (NO)	NON-CRITICAL TASK

3) COMMAND TO OPERATE AND CHECK FUNCTION OF ON-OFF VALVE:

TAG	DESCRIPTION	SOLENOID	POSITION SWITCH		REMARK
		XSV	ZSC	ZSO	
ABV -1010A	TEST SEPARATOR TO PRODUCTION HEADER	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ABV -1010B	TEST SEPARATOR TO HP VENT HEADER	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ABV -1010C	TEST SEPARATOR TO GAS COMPRESSOR SUCTION HEADER	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ABV -1011A	TEST SEPARATOR TO PRODUCTION HEADER	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ABV -1011B	TEST SEPARATOR TO SUMP TANK	(YES) (NO)	(YES) (NO)	(YES) (NO)	



4) VISUAL INSPECTIONS AND CLEANING

- 4.1 VISUALLY INSPECT ALL ACCESSIBLE ELECTRICAL SYSTEM FOR
LOOSE OR BROKEN CONNECTION, DEFECTIVE CIRCUITRY.
- 4.2 INSPECT AND ACCURACY OF ALL INDICATORS AND GAUGES.
- 4.3 FLUSH AND CLEAN CONNECTION NOZZLES AND CHAMBERS
OF ALL LEVEL TRANSMITTERS, LEVEL GAUGES AND LEVEL
CONTROLLERS.
- 4.4 CLEAN STRAINER OF LIQUID LINE THEN REPLACE GASKET
3" Y-STRAINER.
- 4.5 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATOR
LIQUIDS FROM REGULATOR.

() () REMARKS _____

() () REMARKS _____

() () REMARKS _____

() () REMARKS _____

() () REMARKS _____



WELL TEST METER

1) PREPARATION TO PERFORM PM TASK:

- 1.1 COORDINATE WITH OPERATOR TO MAKE EQUIPMENT AVAILABLE FOR PM. () () REMARKS _____
- 1.2 PREPARE ORIFICE METER FOR SEMI-ANNUAL PM INSPECTION AND ORIFICE BOX DOOR GASKET. () () REMARKS _____
- 1.3 CERTIFIED PNEUMATIC & PRESSURE CALIBRATORS OR OTHER CERTIFIED CALIBRATION EQUIPMENT. () () REMARKS _____
- 1.4 CERTIFIED RESISTANCE DECADE BOX OR RTD OR CALIBRATOR AND THERMOMETER. () () REMARKS _____

2) VISUAL INSPECTION:

- 2.1 INSPECT ALL ACCESSIBLE INSTRUMENT SYSTEMS FOR DAMAGES, LEAKS, LOOSE OR BROKEN CONNECTIONS. () () REMARKS _____
- 2.2 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATED LIQUIDS FROM REGULATORS. () () REMARKS _____

3) PERFORM CALIBRATION CHECK ON TRANSMITTER: FT-1012,

PT-1011 AND TT-1012:

- 3.1 FLUSH OUT FT-1012, PT-1011 IMPULSE LINES. () () REMARKS _____
- 3.2 VERIFY THE "AS FOUND" PRESSURE TRANSMITTERS, PIT-1011 AND RECORD THE READING:

FT-1012					
DESIRED INPUT (IN.WC)	DESIRED OUTPUT (IN.WC)	AS FOUND (IN.WC)		AS LEFT (IN.WC)	
		INC	DEC	INC	DEC
0.0	0.0				
200.0	200.0				
400.0	400.0				
600.0	600.0				
800.0	800.0				
CRITERIA: ACCURACY WITH IN 0.1% OF SPAN (+/- 0.8 IN.WC.)					

PT-1011					
DESIRED INPUT (PSI)	DESIRED OUTPUT (PSI)	AS FOUND (PSI)		AS LEFT (PSI)	
		INC	DEC	INC	DEC
0.0	0.0				
250.0	250.0				
500.0	500.0				
750.0	750.0				
1,000.0	1,000.0				
CRITERIA: ACCURACY WITH IN 0.1% OF SPAN (+/- 1.0 PSI.)					

TT-1012					
DESIRED INPUT (0-500 DEG.F.)	DESIRED OUTPUT (0-500 DEG.F.)	AS FOUND (DEG.F.)		AS LEFT (DEG.F.)	
		INC	DEC	INC	DEC
0.0	0.0				
125.0	125.0				
250.0	250.0				
375.0	375.0				
500.0	500.0				
CRITERIA: ACCURACY WITH IN +/- 1 DEG.F.					

IF THE "AS FOUND" READINGS OF ANY TRANSMITTER FAIL TO MEET REPERFORM STEP 3.2 UNTIL THE RESULTS OF THAT TRANSMITTERS MEET THE CRITERIA THEN THE LATEST READINGS SHALL BE RECORDED AS "AS LEFT".

- 5.3 PERFORM TEMPERATURE READING VERIFICATION BY CHECK AGAINST A CERTIFIED THERMOMETER () () REMARKS _____

TT-1012 = _____ DEG.F.
CERTIFIED THERMOMETER = _____ DEG.F. () () REMARKS _____

4) ORIFICE METER FE-1012:

4.1 FLUSH OUT LIQUID IN ORIFICE FITTING CHAMBER. () () REMARKS _____

4.2 BLEED PRESSURE AND REMOVE IN-USE ORIFICE PLATE AND SEAL FOR INSPECTION. RECORD ITS CONDITIONS.

PLATE BORE DIAMETER: _____

PLATE S/N: _____ () () REMARKS _____

	Pass/ Fail
PLATE SURFACE ROUGHNESS VISUAL	() () REMARKS: _____
EDGE SHARPNESS VISUAL (NO NICK)	() () REMARKS: _____
PLATE FLATNESS VISUAL	() () REMARKS: _____
ORIFICE PLATE SEAL / HOLDER NOT DAMAGE	() () REMARKS: _____
CLEAN ORIFICE PLATE BEFORE RE-INSTALLATION	() () REMARKS: _____

4.4 REINSTALL ORIFICE PLATE AND ENSURE THE BEVEL SIDE (DOWNSTREAM SIDE) FACING TO THE DOWNSTREAM.

() () REMARKS _____

5) CORIOLIS METER – MICROMOTION FDTT-1010:

5.1 CLEAN STRAINER.

() () REMARKS _____

5.2 CHECK TRANSMITTER CONFIGURATION AGAINST ITS CONFIGURATION SHEET. CORRECT ANY DATA DEVIATES FROM ITS CONFIGURATION SHEET.

() () REMARKS _____

5.3 PERFORM ZERO STABILITY CHECK:

5.3.1 ENSURE THE SENSOR IS FULLY FILLED WITH LIQUID.

() () REMARKS _____

5.3.2 CLOSE UPSTREAM AND DOWNSTREAM ISOLATION VALVES OF THE METER TO ENSURE THERE IS NO FLOW.

() () REMARKS _____

5.3.3 PERFORM ZERO CHECK ON THE METER, THIS WILL INDICATE WHETHER ANY CHANGE IN FLOW TUBE. ANY CHANGE COULD BE PIPING STRESS OR DEPOSITION IN THE FLOW TUBE. THE ZERO STABILITY MUST BE STABLE AND WITHIN ITS SPECIFICATION AS FOLLOWS:

MICROMOTION, MODEL F200S420CRAUEZ1ZZHTMC:
Z.S. +/- 6.965 Kg/h. OR +/-0.31 Gal/ Min

IF THE ZERO STABILITY IS OVER ITS SPEC, FLUSH THE FLOW TUBE AND REPEAT STEP 5.3.3, OR REPLACE WITH THE SPARE ONE.

() () REMARKS _____

5.4 PERFORM THE OUTPUT LOOP CHECK AND RECORD (ADJUST IF REQUIRED).

() () REMARKS _____

DESIRED INPUT (Hz.)	DESIRED OUTPUT (BPD)	AS FOUND (BPD)		AS LEFT (BPD)	
		INC	DEC	INC	DEC
0	0				
2,500	500				
5,000	1,000				
7,500	1,500				
10,000	2,000				
CRITERIA: ACCURACY WITH IN 0.5% OF READING					

6) WATER CUT WCT-1010:(ROXAR)

- 6.1 INSPECTION ON ELECTRICAL AND INSTRUMENT SYSTEM FOR SIGN OF BURNT, LEAKS, LOOSE CONNECTIONS, CORRECT AS APPROPRIATE. () () REMARK: _____
- 6.2 INSPECTION FOR ANY ACCESSIVE VIBRATION ON THE SENSOR. SECURE THE SENSOR AS APPROPRIATE. () () REMARK: _____
- 6.3 CHECK ALL CABLES FOR BEND OR DAMAGE. () () REMARK: _____
- 6.4 INSPECT ALL CABLE CONNECTIONS AND ADAPTERS. () () REMARK: _____
- 6.5 CHECK AND RECOED POWER SUPPLY VOLTAGE. () () REMARK: _____
- 6.6 CHANGE WATER ABSORBENT SILICA PAD. () () REMARK: _____
- 6.7 SWITCH WCM OFF FOR 5 MINUTED AND RESTART (NEED TO REPLACE BBRAM IF WCM UNABLE TO REBOOT). () () REMARK: _____
- 6.8 CHECK AND VERIFY PARAMETER, RANGE AND CALIBRATION ON ANALOG INPUTS/OUTPUTS. () () REMARK: _____
- 6.9 CHECK AND VERIFY OUTPUT ON LOCAL DISPLAY. () () REMARK: _____
- 6.10 LOG DIAGNOSTICS AND VERIFY CORRECT MICROWAVE POWER-LEVEL (ADC 250-4095). () () REMARK: _____

CHECK AND VERIFY ALL PARAMETER FOR ROXAR WCM		
ITEM	PARAMETER	ASFOUND
1	SET AUTOSTART (Y)	Y / N
2	SET CONSTANT LINE PRESSURE (600 PSI )	.....PSI.
3	SET SALINITY AUTOCALIBRATE (Y)	Y / N
4	SET EMULTION FLOW (Y)	Y / N
5	TEMPERATURE UNIT (° F)	
6	PRESSURE UNIT (PSI)	
7	DENSITY UNIT (KG/M ³)	
8	ANALOG INPUT VALUE (TEMPERATURE)	
	8.1) CHANGE 4-20 mA LOOP POWER SOURCE (INTERNAL)	
	8.2) LOW TEMPERATURE INPUT VALUE	
	8.2) HIGH TEMPERATURE INPUT VALUE	
9	ANALOG INPUT VALUE (DENSITY)	
	8.1) CHANGE 4-20 mA LOOP POWER SOURCE (EXTERNAL)	
	8.2) LOW DENSITY INPUT VALUE (500 KG/M ³ )	.....( KG/M ³)
	8.2) HIGH DENSITY INPUT VALUE (1500 KG/M ³ )	.....( KG/M ³)
10	ANALOG OUTPUT #1 (% WATER BY VOLUME)	
	10.1) LOW OUTPUT VALUE (0%)	
	10.1) HIGH OUTPUT VALUE (100%)	
11	ANALOG OUTPUT #2 (MIXTURE DENSITY)	
	11.1) LOW OUTPUT VALUE (500 KG/M ³ )	.....( KG/M ³)
	11.1) HIGH OUTPUT VALUE (1500 KG/M ³ )	.....( KG/M ³)
12	ANALOG OUTPUT #3 (% WATER BY VOLUME TO LOCAL DISPLAY)	
	10.1) LOW OUTPUT VALUE (0%)	
	10.1) HIGH OUTPUT VALUE (100%)	
12	DRY OIL DENSITY VALUE	
13	WATER CONDUCTIVITY VALUE	.....mS/cm at° F



ANALOG INPUT CALIBRATIONS

Input #1: Temperature

Input #2: Density

Input current (mA)	As found (mA)	As left (mA)
4		
8		
12		
16		
20		

Input current (mA)	As found (mA)	As left (mA)
4		
8		
12		
16		
20		

ANALOG OUTPUT CALIBRATIONS

Output #1: % Water by Volume

Output #2: Mixture density

Output simulation (mA)	As found (mA)	As left (mA)	Panel view
4			
8			
12			
16			
20			

Output simulation (mA)	As found (mA)	As left (mA)	Panel view
4			
8			
12			
16			
20			

7) FINAL INSPECTION:

- 7.1 RETURN THE SYSTEM TO SERVICE.
7.2 CHECK SYSTEM FOR LEAKS.

() () REMARK: _____
() () REMARK: _____

8) COOPERATE WITH PRODUCTION TO PUT THE WELL TO TEST:

(RECOMMENDED HIGH OIL WELL AND HIGH WATER WELL)
TAKE TWO SAMPLES ON VARIOUS LEVEL AND FLOW CONDITIONS.
RECORD READINGS FROM CORIOLIS METER AND MANUAL SAMPLE ANALYZED RESULTS.

() () REMARK: _____

• HIGH OIL WELL

RECORD MANUAL SAMPLE ANALYZED RESULT: DENSITY = kg/m³
RECORD READING FROM CORIOLIS METER: DENSITY = kg/m³

• HIGH WATER WELL

RECORD MANUAL SAMPLE ANALYZED RESULT: DENSITY = kg/m³
RECORD READING FROM CORIOLIS METER: DENSITY = kg/m³

9) PM TASK AND ORIFICE METER PM INSPECTION REPORT:

- 9.1 SCAN THIS JOB CARD AND ATTACH TO WORK ORDER.
9.2 CLOSE PM WORK ORDER AND RECORD ANY CORRECTIVE ACTIONS IN CMMS.

() () REMARK: _____

() () REMARK: _____



GAS LIFT SKID

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
TIT-1021	GAS LIFT SKID TEMPERATURE	0	300	°F															NON-CRITICAL TASK

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT-1044	GAS LIFT WELL SLOT A	0	1500	psig				500											NON-CRITICAL TASK
PIT-1045	GAS LIFT WELL SLOT B	0	1500	psig				500											NON-CRITICAL TASK
PIT-1046	GAS LIFT WELL SLOT C	0	1500	psig				500											NON-CRITICAL TASK
PIT-1047	GAS LIFT WELL SLOT D	0	1500	psig				500											NON-CRITICAL TASK
PIT-1048	GAS LIFT WELL SLOT E	0	1500	psig				500											NON-CRITICAL TASK
PIT-1049	GAS LIFT WELL SLOT F	0	1500	psig				500											NON-CRITICAL TASK
PIT-1050	GAS LIFT WELL SLOT G	0	1500	psig				500											NON-CRITICAL TASK
PIT-1051	GAS LIFT WELL SLOT H	0	1500	psig				500											NON-CRITICAL TASK

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	AS FOUND (%)					AS LEFT (%)					REMARK
					0	25	50	75	100	0	25	50	75	100	
PIT-1044	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1045	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1046	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1047	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1048	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1049	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1050	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1051	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK

UTILITY GAS SCRUBBER

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANG E	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS FOUND				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -1305	UTILITY GAS SCRUBBER INLET	0	300	PSIG			75			230									
PIT-1300	INSTRUMENT GAS SCRUBBER INLET	0	300	PSIG			75			135									
LIT-1300	INSTRUMENT GAS SCRUBBER LEVEL	0	100	%						80									
TAG	DESCRIPTION	MIN. RANG E	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS FOUND				AS LEFT				REMARK
							LALL	LCL	LCH	LAHH	LALL	LCL	LCH	LAHH	LALL	LCL	LCH	LAHH	
LIT-1302	INSTRUMENT GAS SCRUBBER LEVEL	0	100	%															
LIT-1350	UTILITY GAS SCRUBBER LEVEL	0	100	%						80									

2) FUNCTIONAL CHECK CONTROL, MOVEMENT AND LEAKAGE OF THE FOLLOWING CONTROL/SOLENOID VALVE:

TAG	DESCRIPTION	SET POINT (PSI)	XSV	CONTROL VALVE	REMARK
LCV -1350	UTILITY GAS SCRUBBER LEVEL	-	(YES) (NO)	(YES) (NO)	NON-CRITICAL TASK
LCV -1302	INSTRUMENT GAS SCRUBBER LEVEL	-	(YES) (NO)	(YES) (NO)	NON-CRITICAL TASK
PCV -1300	GAS INLET TO UTILITY GAS SCRUBBER	200		(YES) (NO)	
PCV -1301	GAS INLET TO UTILITY GAS SCRUBBER	200		(YES) (NO)	
PCV -1303	INSTRUMENT GAS	125		(YES) (NO)	
PCV -1304	INSTRUMENT GAS	125		(YES) (NO)	
PCV -1305	BLACK START FORM PIPELINE	125		(YES) (NO)	
PCV -1306	BLACK START TO FUSIBLE/ESD	50		(YES) (NO)	

**3) COMMAND TO OPERATE AND CHECK FUNCTION OF SDV:**

3.1 PERFORM SHUTDOWN VALVE PASSING TEST OF SDV-1300 = _____ PSI/30 MINUTES

() () REMARK: _____

TAG	DESCRIPTION	SOLENOID		POSITION SWITCH				CLOSING TIME	REMARK
		XSV		ZSC		ZSO		sec	
SDV -1300	UTILITY GAS SCRUBBER INLET	(YES)	(NO)	(YES)	(NO)	(YES)	(NO)		
BDV-1301	UTILITY VENT TO FLARE	(YES)	(NO)	(YES)	(NO)	(YES)	(NO)		



4) REPLACE FILTER OF INSTRUMENT GAS SYSTEM (V-1300). () () REMARK: _____

5) VISUAL INSPECTIONS AND CLEANING (NON-CRITICAL TASK)

- 5.1 VISUALLY INSPECT ALL ACCESSIBLE ELECTRICAL SYSTEM FOR
LOOSE OR BROKEN CONNECTION, DEFECTIVE CIRCUITRY. () () REMARK: _____
- 5.2 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATE
LIQUIDS FROM REGULATOR. () () REMARK: _____
- 5.3 CLEAN SUCTION Y STRAINERS OF ALL PRESSURE CONTROL VALVES. () () REMARK: _____
- 5.4 INSPECT AND CLEAN ALL FILTERS. () () REMARK: _____
- 5.5 EXERCISE ALL MANUAL VALVES FOR FREE OF MOVEMENT,
GREASE AS REQUIRED. () () REMARK: _____

P/R S/D.

SUMP TANK (OPEN DRAIN / CLOSE DRAIN)

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
FS-1060	SUMP PUMP TO PRODUCTION HEADER																		ON/OFF function
FS-1065	SUMP PUMP TO PRODUCTION HEADER																		ON/OFF function
PIT-1040	CLOSE DRAIN SUMP TANK	0	50	psig						5									
LIT-1041	CLOSE DRAIN SUMP TANK	0	100	%						80									
TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT(°F)				AS Found				AS LEFT				REMARK
							LAL	LCL	LCH	LAH	LAL	LCL	LCH	LAH	LAL	LCL	LCH	LAH	
LIT-1040	CLOSE DRAIN SUMP TANK	0	100	%															NON-CRITICAL-TASK

2) FUNCTIONAL CHECK CONTROL, MOVEMENT AND LEAKAGE OF THE FOLLOWING CONTROL/SOLENOID VALVE:

TAG	DESCRIPTION	SETPOINT (psig)	XSV		CONTROL VALVE		REMARK
LCV -1040	CLOSE DRAINS TANK LEVEL		(YES)	(NO)	(YES)	(NO)	NON-CRITICAL-TASK
LCV -1045	CLOSE DRAINS TANK LEVEL		(YES)	(NO)	(YES)	(NO)	NON-CRITICAL-TASK



3) VISUAL INSPECTIONS CLEANING AND FILTERING

3.1 VISUALLY INSPECT ALL ACCESSIBLE INSTRUMENT SYSTEM FOR DAMAGE
FAULTS, LEAKS, LOOSE OR BROKEN CONNECTIONS.

() () REMARK: _____

3.2 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATE
LIQUIDS FROM REGULATOR.

() () REMARK: _____

3.3 CHECK CONDITION AND ACCURACY OF ALL INDICATORS AND GAUGES.

() () REMARK: _____

3.4 CLEAN SUCTION STRAINER OF OPEN DRAIN AND CLOSE DRAIN PUMP.

() () REMARK: _____

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IMPORT PIPELINE / RECEIVER / EXPORT PIPELINE / LAUNCHER

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
TIT-1000	OUT GOING PIPELINE	0	300	°F					210										
PIT-1008	OUT GOING PIPELINE	0	1500	PSIG			250	350	650	750									

R/E 50



POWER SYSTEM (EXCLUDE GENERATOR)

1) PERFORM CHECK ON D/C POWER SYSTEM:

- 1.1 CHECK CABLE CONNECTIONS SECURITY ON DC DISTRIBUTION PANEL. (✓)() REMARK: _____
- 1.2 CHECK & CLEAN SOLAR CELL PANELS. (✓)() REMARK: _____
- 1.3 CHECK SCI (SOLAR CHARGER AND CONTROLLER), AND CORRECT FLOAT CHARGE SETTING AS PER BATTERY MFG'S RECOMMENDATION. (✓)() REMARK: _____

2) CHECK ON SOLAR CELL, BATTERY CHARGER, AND BANKS (BA-01 & COMM)

BATTERY:

- 2.5 CHECK BATTERY OHMIC TESTING VALUE AND RECORD ON BELOW TABLE (IF OVER 50% CHANGE FROM BASE VALUE, CONSIDER BATTERY REPLACEMENT OR POOR INTERCELL CONNECTION). (✓)() REMARK: _____
- 2.6 CHECK VOLT PER CELL/UNIT AND RECORD ON BELOW TABLE, IN CASE OF DIFFERENCE IN CELL VOLTAGE EXCEEDING 0.3 VOLTS, CONSIDER AN EQUALIZING CHARGE TO BRING ALL CELLS TO SAME VOLTAGE RATE. (✓)() REMARK: _____

REMARK: RECOMMENDED CHARGE VOLTAGES FOR THE ABSOLUTE GP, VRLA AGM(ONLY) ARE AS FOLLOWS:

1. FLOAT CHARGE: VPC=2.20 TO 2.27 VPC (AT 25 C) (or 2.20 AT 35C)

BATTERY TYPE SAOM 06375

NUMBER OF STRING 2

NUMBER OF CELL 8

NO.	OHMIC C/R/I	Volt per Cell (Vdc)	NO.	OHMIC C/R/I	Volt per Cell (Vdc)	NO.	OHMIC C/R/I	Volt per cell (Vdc)	NO.	OHMIC C/R/I	Volt per Cell (Vdc)
1		5.8	13		6.0	25			37		
2		6.0	14		6.0	26			38		
3		3.0	15		6.0	27			39		
4		2.9	16		6.0	28			40		
5		6.1	17			29			41		
6		6.1	18			30			42		
7		6.1	19			31			43		
8		6.1	20			32			44		
9		1.9	21			33			45		
10		3.9	22			34			46		
11		3.0	23			35			47		
12		2.9	24			36			48		

BATTERY REPLACEMENT CRITERIA: THE ENTIRE SHOULD BE REPLACED WHEN 20% OF TOTAL CELLS OF EACH STRING HAVE BEEN REPLACED

- 2.3 RE-TIGHTEN BATTERY TERMINAL SUPPLY AT PLC CABINET. (✓)() REMARKS: _____

3) CHECK ON BATTERY BANKS (NAV-AIDS):

SOLAR:

- 3.1 POWER-OFF SOLAR CELL SYSTEM: (✓)() REMARK: _____

	VOLATGE (VDC)	CURRENT (AMP)
SOLAR CELL PANEL-A	18.4	0.67

CHARGER:

- 3.2 CHECK AND DATA RECORD FOR DC VOLTAGE (FLOAT)
SET 12.7 VDC, AS FOUND 12.7 VDC, AS FOUND 0.67 AMP. () () REMARK: _____
- 3.3 CONFIRM CHECK AND RECORD DC OUTPUT VOLTAGE AND AMPARE AT LOCAL AND HMI MONITOR.
LOCAL = 12.7 VDC., 0.67 AMP.
HMI = 12.7 VDC., 0.67 AMP. (✓)() REMARK: _____
- 3.4 CHECK AND RECORD BATTERY CELLS VOLT PER CELL (VPC)/ BATTERY OHMIC TESTING. (✓)() REMARK: _____

BATTERY TYPE _____



NO.	OHMIC (C/R/I)	Volt per Cell (VDC)
1	✓	12.7

- 3.5 RE-TIGHTEN BATTERY TERMINAL SUPPLY AT PLC CABINET. (✓)() REMARK: _____
- 3.6 MARINE LANTERNS:
PERFORM INSPECT AND CARRY OUT AS FOLLOWS:
- 3.6.1 CHECK CABLES AND TERMINALS, VERIFY GROUNDED. (✓)() REMARK: _____
- 3.6.2 CHECK LEN/LEN'S COVER FOR DEFECT, REPLACE IF DEFECTIVE. (✓)() REMARK: _____
- 3.6.3 CHECK O-RING SEAL. (✓)() REMARK: _____
- 3.6.4 CHECK LAMP AND LAMP CHANGERS, CHANGE THE DEFECTED BULBS. (✓)() REMARK: _____
- 3.6.5 CHECK THE OPERATION AND INTENSITY OF LIGHT SIGNAL MORSE U-CODE. (✓)() REMARK: _____
- 3.7 **PHOTO SWITCH**: CHECK THE OPERATION OF PHOTO VOLTAIC SWITCH (SUN SWITCH) CLEAN UP AS NECESSARY. (✓)() REMARK: _____

4) PERFORM CHECK DC POWER ON TEG GENERATOR (SK-1250):

PERFORM CHECK DC POWER TEG GENERATORS OF THE FOLLOWING (ONE UNIT AT A TIME):

- 4.1 WHILE UNITS ONLOAD, CHECK AND RECORD FUEL PRESSURE VOLTS/AMPS METER READING ON EACH GENERATOR, CORRECT IF REQUIRED.
- G-1250A, OUTPUT _____ VDC, AMPARE _____ AMP.
FUEL PRESSURE _____ PSI, TEMP, _____ °F
- G-1250B, OUTPUT _____ VDC, AMPARE _____ AMP. *P/R s/d.*
FUEL PRESSURE _____ PSI, TEMP, _____ °F
- G-1250C, OUTPUT _____ VDC, AMPARE _____ AMP.
FUEL PRESSURE _____ PSI, TEMP, _____ °F
- G-1250D, OUTPUT _____ VDC, AMPARE _____ AMP.
FUEL PRESSURE _____ PSI, TEMP, _____ °F. () () REMARK: _____
- 4.2 SELECT V-SET/RUN SELECTOR SWITCH TO V-SET POSITION AND WAITING FOR 15 MINS, THEN RECORD V-SET OF EACH UNIT.
- G-1250A, Vset _____ VDC, AMPARE _____ AMP.
- G-1250B, Vset _____ VDC, AMPARE _____ AMP.
- G-1250C, Vset _____ VDC, AMPARE _____ AMP.
- G-1250D, Vset _____ VDC, AMPARE _____ AMP. () () REMARK: _____
- 4.3 ON PLATFORM EQUIPPED WITH CO₂ MEMBRANE PANEL, USING DRAGGER TUBE TO MEASURE PERCENT CO₂ ON THE TEG FUEL SUPPLY LINE, DOWN STREAM OF THE CO₂ MEMBRANE
- UPSTREAM CO₂ CONTENT ____%. () () REMARK: _____
- DOWNSTREAM CO₂ CONTENT ____%. () () REMARK: _____
- 4.4 DRAIN LIQUID FROM CARTRIDGE FILTER ON CO₂ MEMBRANE PANEL. () () REMARK: _____
- 4.5 NEED ANNUALLY REPLACE CO₂ MEMBRANE FILTER ACTIVATED CARBON FILTER AND SILICA FILTER IF NECESSARY. () () REMARK: _____
- 4.6 SHUTDOWN THE GENERATOR BEING TESTED, ALLOWING UNITS TO COOLDOWN AND CHECK OF THE FOLLOWING:
- 4.6.1 VERIFY FUNCTION OF THERMAL FUEL SHUT OFF VALVE. () () REMARK: _____
- 4.6.2 CHECK & CORRECT FUEL PRESSURE GAUGE, REPLACE IF REQUIRED. () () REMARK: _____
- 4.6.3 CHECK FUEL NOZZLE, CLEAN WITH SOLVENT AS NECESSARY. () () REMARK: _____
- 4.6.4 DRAIN SEDIMENT BOWL OF FUEL REGULATOR. () () REMARK: _____
- 4.6.5 CLEAN COOLING FIN. () () REMARK: _____
- 4.6.6 CLEAN EXHAUST FLAME ARRESTOR, REPLACE AS NECESSARY. () () REMARK: _____
- 4.6.7 CLEAN AIR INTAKE FLAME ARRESTOR, REPLACE AS NECESSARY. () () REMARK: _____
- 4.7 RESTART TEG GENERATOR AND CHECK OF THE FOLLOWING:
- 4.7.1 SETUP & RECORD BY USING THE GLOBAL SETUP DATA LOG SHEET FORMAT AND FOLLOW UP UNTIL STABILIZED
- NOTE**: ENSURE THE V-SET VOLTAGE NOT OVER 6.8 VDC. () () REMARK: _____
- 4.7.2 CHECK & RECORD FINAL V-SET, COMPARE WITH THE



PREVIOUS RECORD ON STEP 7.1 & 7.2.

() () REMARK: _____

- 4.7.3 SWITCH V-SET & RUN SELECTOR TO V-SET POSITION
AND WAIT FOR 15 MINS, THEN RECORD V-SET OF
EACH UNIT.

G-1250A, VSet = _____ V, AMPARE = _____ AMPS.

G-1250B, VSet = _____ V, AMPARE = _____ AMPS.

G-1250C, VSet = _____ V, AMPARE = _____ AMPS.

G-1250D, VSet = _____ V, AMPARE = _____ AMPS.

() () REMARK: _____

- 4.7.4 WHILE UNITS ON LOAD, CHECK AND RECORD FUEL PRESURE
VOLTS/AMPS METER READING ON EACH GENERATOR, CORRECT
IF REQUIRED.

G-1250A, OUTPUT = _____ V, AMPARE = _____ AMPS.

FUEL PRESSURE = _____ PSI, TEMP = _____ °F

G-1250B, OUTPUT = _____ V, AMPARE = _____ AMPS.

FUEL PRESSURE = _____ PSI, TEMP = _____ °F

G-1250C, OUTPUT = _____ V, AMPARE = _____ AMPS.

FUEL PRESSURE = _____ PSI, TEMP = _____ °F

G-1250D, OUTPUT = _____ V, AMPARE = _____ AMPS.

FUEL PRESSURE = _____ PSI, TEMP = _____ °F.

() () REMARK: _____

- 4.7.5 ENSURE TOTAL GENERATOR POWER OUTPUT IS SUFFICIENT TO
PROVIDE EXCESS POWER TO CHARGE THE BATTERY BANK UNDER
MFGR'S RECOMMENDED.

() () REMARK: _____

- 4.7.6 ENSURE ALL STARTING CLIPS OF THE SHUT-OFF VALVES
ARE REMOVED PRIOR BRING THE SYSTEM BACK TO
NORMAL OPERATION.

() () REMARK: _____

**5) CHECK ON SOLAR CELL, BATTERY CHARGER, AND BANKS (BA-01 & COMM)****SOLAR:****5.1 POWER OF SOLAR CELL SYSTEM:**CHECK TOTAL VOLTAGE OF SOLAR CELL SYSTEM 24 VDC. ☒ () REMARK: _____

	CURRENT (AMP)
SOLAR CELL PANEL SP-1250A-1	4.17
SOLAR CELL PANEL SP-1250A-2	3.80
SOLAR CELL PANEL SP-1250A-3	3.47
SOLAR CELL PANEL SP-1250A-4	2.28
SOLAR CELL PANEL SP-1250A-5	0.89
SOLAR CELL PANEL SP-1250A-6	3.56
SOLAR CELL PANEL SP-1250A-7	3.28
SOLAR CELL PANEL SP-1250A-8	3.65
SOLAR CELL PANEL SP-1250B-1	No Panel
SOLAR CELL PANEL SP-1250B-2	3.70
SOLAR CELL PANEL SP-1250B-3	2.05
SOLAR CELL PANEL SP-1250B-4	3.50
SOLAR CELL PANEL SP-1250B-5	3.65
SOLAR CELL PANEL SP-1250B-6	3.64
SOLAR CELL PANEL SP-1250B-7	3.61
SOLAR CELL PANEL SP-1250B-8	3.50

CHARGER:**5.2 CHECK AND DATA RECORD FOR DC VOLTAGE (FLOAT)**SP-1250A SET 27.0 VDC, AS FOUND 27.0 VDC, AS FOUND 2.0 AMP. ☒ () REMARK: _____SP-1250B SET 27.0 VDC, AS FOUND 27.0 VDC, AS FOUND 2.2 AMP. ☒ () REMARK: _____**5.3 CONFIRM CHECK AND RECORD DC OUTPUT VOLTAGE AND AMPERE AT LOCAL AND HMI MONITOR.****SP-1250A**LOCAL = 24.2 VDC., 2.0 AMP.HMI = - VDC., - AMP.☒ () REMARK: _____**SP-1250B**LOCAL = 24.5 VDC., 2.2 AMP.HMI = - VDC., - AMP.☒ () REMARK: _____**5.4 CHECK AND DATA RECORD AMBIENT ROOM TEMPERATURE 30 C () () REMARKS: _____**



SAFETY RELATED EQUIPMENT

1) VISUAL INSPECTIONS:

- 1.1 VISUAL INSPECTION FOR ALL SAFETY EQUIPMENT TO CHECK
DAMAGE FAULTS, LOOSEN OR BROKEN CONNECTIONS.

() () REMARKS _____

2) PERFORM INSPECTION SAFETY RELATED EQUIPMENT:

2.1 DRY CHEMICAL EXTINGUISHER (HAND PORTABLE):

- 2.1.1 MAKE A VISUAL INSPECTION OF EACH EXTINGUISHER FOR
DAMAGE, CORROSION AND CONFIRM ITS YELLOW SEAL
HAS NOT BEEN BROKEN.

() () REMARKS _____

- 2.1.2 CONFIRM EACH EXTINGUISHER LOCATION HAS PROPER
TYPE OF EXTINGUISHER.

() () REMARKS _____

- 2.1.3 ENSURE THAT THE APPROACH IS FREE OF OBSTRUCTION.

() () REMARKS _____

- 2.1.4 CHECK ON THE OPERATE NOZZLE HANDLE FOR FREE
MOVEMENT.

() () REMARKS _____

- 2.1.5 REMOVE THE CARTRIDGE, CHECK TO SEE IF THE CARTRIDGE
IS SEALED AND CHECK THE WEIGHT, REPLACE CARTRIDGE IF
LOSS GREATER THAN 1/2 OZ.

() () REMARKS _____

- 2.1.6 OPERATE PUNCTURE MECHANISM WITH CARTRIDGE, CHECK
FOR FREE MOVEMENT.

() () REMARKS _____

- 2.1.7 REMOVE FILL CAP, INSPECT THREADS AND SEAL.

() () REMARKS _____

- 2.1.8 REFILL WITH FREE FLOWING DRY CHEMICAL, IF THE POWDER
LEVEL IS LESS THAN 70-80%.

() () REMARKS _____

- 2.1.9 RE-INSTALL FILL CAP WITH HAND TIGHT ONLY.

() () REMARKS _____

=====

COMPLETED BY: Bungarit N. / Pongsatorn S., DATE: 10 Dec 22

COMMENT: _____

SUPERVISOR: _____, DATE: _____



Revision	Date	Reason for Issue/Change	CMOR #	Enter by
1	06-Jun-2017	WHP PM Optimization	1017/17	Krittin S.
2	20-Aug-19	Revise jobcard	0721/19	MOT Team
3	6-Dec-19	Revise jobcard	1105/19	MOT Team
4	10-Feb-21	Revise Jobcard	0050/21	Songkiet M.

JOB CARD NUMBER: 1.5Y WELL HEAD PLATFORM PM

SKID/EQUIPMENT: YA-PM-POOL-YAWA WHP PM POOL - YAWA

OPT. SEQUENCE: 10 1.5Y WELL HEAD PLATFORM PM – MOT

WORK CENTER: PLMOT

CREW SIZE	DURATION	EST. MAN-HRS	RESOURCE DESCRIPTIONS
6	30	180	MAINTENANCE & OPERATION, PLATONG

EQUIPMENT CRITICAL:

ECA: C2 **IC:** N/A

REQUIRED OPERATIONAL STATUS:

PLANT: ONLINE

EQUIPMENT: SHUTDOWN

MFGR, INDUSTRY REFERENCES AND ENGINEERING RECOMMENDATION:

NA

EQUIPMENT UNDER THIS PM TASK:

YA-PM-POOL-YAWA WHP PM POOL - YAWA YUWA
YU-WELL-CONTROL- YUWA
YU-V1010- YUWA
YU-TEST-SEP-METER- YUWA
YU-ASD- YUWA
YU-V1040- YUWA
YU-SK1300- YUWA
YU-SAFETY- YUWA
YU-ESD- YUWA
YU-POWER- YUWA

SPARE PARTS REQUIREMENT:

STOCK	DESCRIPTION	PART NUMBER	QTY	UOM
WELL CONTROL				
29349	ELEMENT: GAS SUPPLY FILTER, TYPE LIQUID		2	EA
98527	O-RING FOR GAS SUPPLY FILTER		2	EA
170049	ELEMENT: HYD. FILTER,		2	EA
43181	REPAIR KIT MAIN PUMP AIR SECTION		2	EA
43177	REPAIR KIT MAIN PUMP SPOOL		2	EA
43186	REPAIR KIT BACK UP PUMP		2	EA
43336	COALESCING FILTER		1	EA
98528	O-RING FOR COALESCING FILTER		1	EA
UTILITY/INSTRUMENT GAS SCRUBBER				
43050	GAS FILTER V-1300		1	EA
49672	GASKET 10"		1	EA
WELL TEST METER				
95036	GASKET 3" Y-STRAINER		1	EA
POWER SYSTEM				
43336	COALESCING FILTER		1	EA
98528	O-RING FOR COALESCING FILTER		1	EA
49813	IGNITER; TYPE ROD		4	EA
71240	CONNECTOR: SIZE 1/16-1/8 IN MATL NYLON		4	EA
67940	BATTERY; DRY CELL TYPE RECHARGEABLE 2V.		4	EA





Identify Platform Type

- A. CHECK PRODUCTION OF THIS PLATFORM No production BOE (BOE = SCFM X1000/6)
- A.1. () IF PRODUCTION IS OVER 1,000 BOE, HIGH PRODUCTION PLATFORM. ALL TASKS SHALL BE CONDUCTED
- A.2. () IF PRODUCTION IS LOWER THAN 1,000 BOE, LOW PRODUCTION PLATFORM. NON CRITICAL TASKS DO NOT NEED TO BE CONDUCTED

Wellhead Control Panel CP-100

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
LIT-1001	WHCP HYDRAULIC OIL OF RESERVOIR LEVEL	0	100	%			20%												} s/d
PIT-1001	WHCP SSV HYDRAULIC SYSTEM PRESSURE	0	3000	psig			1100												
PIT-1002	WHCP SCSSV HYDRAULIC SYSTEM PRESSURE	0	6000	psig			2900												

TAG	DESCRIPTION	UNIT	SETPOINT	AS Found	AS LEFT	REMARK
PSL -11	WELL SLOT 1 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -21	WELL SLOT 2 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -31	WELL SLOT 3 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -41	WELL SLOT 4 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -51	WELL SLOT 5 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -61	WELL SLOT 6 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -71	WELL SLOT 7 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -81	WELL SLOT 8 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -91	WELL SLOT 9 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -101	WELL SLOT 10 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -111	WELL SLOT 11 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			

Remove all flowline



PSL -121	WELL SLOT 12 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -131	WELL SLOT 13 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -141	WELL SLOT 14 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -151	WELL SLOT 15 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -161	WELL SLOT 16 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -171	WELL SLOT 17 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -181	WELL SLOT 18 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -191	WELL SLOT 19 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			
PSL -201	WELL SLOT 20 SUBSURFACE SAFETY VALVE CLOSED	psig	4000			

**2) PERFORM CHECK WELLHEAD CONTROL PANEL (NON-CRITICAL TASK):**

- | | |
|---|----------------------------|
| 2.1 VISUALLY INSPECT ALL ACCESSIBLE INSTRUMENT SYSTEM FOR DAMAGES, LEAKS, LOOSE OR BROKEN CONNECTIONS. | () () REMARKS <u>N/A</u> |
| 2.2 CHECK PRE-CHARGED PRESSURE OF ACCUMULATOR, FOR SDV/SSV CIRCUIT & SCSSV CIRCUIT AS PER NAME PLATE, RECHARGE NITROGEN IF NECESSARY. | () () REMARKS <u>N/A</u> |
| 2.3 CHECK SELF OPERATED REGULATORS FOR LEAKS AND DEFECTS. | () () REMARKS <u>N/A</u> |
| 2.4 INSPECT AND CHECK ACCURACY OF ALL PRESSURE GAUGES. | () () REMARKS <u>N/A</u> |
| 2.5 CHECK & CLEAN PANELS INTERNALLY AND EXTERNALLY. | () () REMARKS <u>N/A</u> |
| 2.6 CHECK HYDRAULIC OIL QUALITY, REPLACE HYDRAULIC OIL AND CLEAN RESERVOIR TANK AND DRAIN HYDRAULIC OIL IN RETURN RESERVOIR. | () () REMARKS <u>N/A</u> |
| 2.7 REPLACE HYDRAULIC OIL FILTER. | () () REMARKS <u>N/A</u> |
| 2.8 REPLACE INSTRUMENT GAS FILTER. | () () REMARKS <u>N/A</u> |
| 2.9 RECHECK ALL ACCESSIBLE INSTRUMENT SYSTEM FOR DAMAGES, LEAKS, LOOSE OR BROKEN CONNECTIONS. | () () REMARKS <u>N/A</u> |
| 2.10 REPLACE ALL HYDRAULIC PUMPS. | () () REMARKS <u>N/A</u> |



Wellhead

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -13	WELL SLOT 1 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -23	WELL SLOT 2 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -33	WELL SLOT 3 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -43	WELL SLOT 4 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -53	WELL SLOT 5 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -63	WELL SLOT 6 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -73	WELL SLOT 7 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -83	WELL SLOT 8 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -93	WELL SLOT 9 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -103	WELL SLOT 10 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -113	WELL SLOT 11 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -123	WELL SLOT 12 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -133	WELL SLOT 13 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -143	WELL SLOT 14 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -153	WELL SLOT 15 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -163	WELL SLOT 16 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -173	WELL SLOT 17 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -183	WELL SLOT 18 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -193	WELL SLOT 19 TUBING PRESSURE	0	4000	psig				300	3000										
PIT -203	WELL SLOT 20 TUBING PRESSURE	0	4000	psig				300	3000										

Removed
211



TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -10	WELL SLOT 1 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									Removed all
PIT -20	WELL SLOT 2 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -30	WELL SLOT 3 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -40	WELL SLOT 4 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -50	WELL SLOT 5 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -60	WELL SLOT 6 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -70	WELL SLOT 7 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -80	WELL SLOT 8 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -90	WELL SLOT 9 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -100	WELL SLOT 10 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -110	WELL SLOT 11 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -120	WELL SLOT 12 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -130	WELL SLOT 13 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -140	WELL SLOT 14 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -150	WELL SLOT 15 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -160	WELL SLOT 16 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -170	WELL SLOT 17 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -180	WELL SLOT 18 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -190	WELL SLOT 19 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									
PIT -200	WELL SLOT 20 TO INLET MANIFOLD	0	1500	psig			250	350	900	1000									

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -1000	7" COMMON CASING PRESSURE	0	2000	psig					500										
PIT -1005	9 5/8" COMMON CASING PRESSURE	0	2000	psig					250										



WELL SLOT	TAG	DESCRIPTION	SOLENOID	POSITION SWITCH		REMARK
			XSV	ZSC	ZSO	
1	ABV -10B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	sid no Production
	ABV -10P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -10T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
2	ABV -20B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -20P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -20T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
3	ABV -30B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -30P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -30T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
4	ABV -40B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -40P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -40T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
5	ABV -50B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -50P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -50T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
6	ABV -60B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -60P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -60T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
7	ABV -70B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -70P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -70T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
8	ABV -80B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -80P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -80T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
9	ABV -90B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -90P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	



	ABV -90T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
10	ABV -100B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -100P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -100T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
11	ABV -110B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -110P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -110T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
12	ABV -120B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	SID
	ABV -120P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -120T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
13	ABV -130B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	No Production
	ABV -130P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -130T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
14	ABV -140B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -140P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -140T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
15	ABV -150B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -150P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -150T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
16	ABV -160B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -160P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -160T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
17	ABV -170B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -170P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -170T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
18	ABV -180B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -180P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -180T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
19	ABV -190B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -190P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	



	ABV -190T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
20	ABV -200B	WELL SLOT TO GAS COMPRESSOR MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -200P	WELL SLOT TO PRODUCTION MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
	ABV -200T	WELL SLOT TO TEST MANIFOLD	(YES) (NO)	(YES) (NO)	(YES) (NO)	
ALL MANIFOLD ABV VALVE		LUBRICATE ALL ABV	(YES) (NO)			

** If found any abnormal on ABV especially stuck close/open, "Troubleshooting guideline for ABV positioner fault alarm" must be strictly followed **

ADJUSTABLE CHOKE VALVE		FUNCTION TEST AND OBSERVE ACCURACY	REMARK	
CVA -10	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -20	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -30	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -40	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -50	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -60	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -70	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -80	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -90	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -100	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -110	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -120	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -130	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -140	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -150	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -160	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -170	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -180	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -190	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK
CVA -200	CHOKE VALVE	(YES) (NO)		NON-CRITICAL TASK

FIRE & GAS DETECTION, FUSIBLE LOOP AND MANUAL ESD STATIONS

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -1007	FUSIBLE PLUG FIRE LOOP	0	150	psig			40												
PIT -1006	MANUAL ESD LOOP	0	150	psig			40												

TAG	DESCRIPTION	FUNCTION	REMARK
XSV-1001,1002	COMMAND PSD FROM CCR	(YES) (NO)	
XSV-1001,1002,1003	COMMAND ESD FROM CCR	(YES) (NO)	
FESD-1	MANUAL ESD STATION UPPER DECK	(YES) (NO)	
FESD-2	MANUAL ESD STATION CELLAR DECK	(YES) (NO)	
FESD-3	MANUAL ESD STATION SUB CELLAR DECK	(YES) (NO)	
HS -1001	MANUAL PSD	(YES) (NO)	
HS -1002	MANUAL ESD	(YES) (NO)	
HS -1003	ESD RESET	(YES) (NO)	
HS -1004	PLATFORM MANNED/UNMANNED	(YES) (NO)	

WELL SLOT	VALVE POSITION (CLOSE OR NOT CLOSE)			SCSSV CLOSURE TIME (SEC.)	REMARK
	WING VALVE (SDV)	SSV	SCSSV		
1	C / NC	C / NC	C / NC		
2	C / NC	C / NC	C / NC		
3	C / NC	C / NC	C / NC		



4	C / NC	C / NC	C / NC		
5	C / NC	C / NC	C / NC		
6	C / NC	C / NC	C / NC		
7	C / NC	C / NC	C / NC		
8	C / NC	C / NC	C / NC		
9	C / NC	C / NC	C / NC		
10	C / NC	C / NC	C / NC		
11	C / NC	C / NC	C / NC		
12	C / NC	C / NC	C / NC		
13	C / NC	C / NC	C / NC		
14	C / NC	C / NC	C / NC		
15	C / NC	C / NC	C / NC		
16	C / NC	C / NC	C / NC		
17	C / NC	C / NC	C / NC		
18	C / NC	C / NC	C / NC		
19	C / NC	C / NC	C / NC		
20	C / NC	C / NC	C / NC		

removed all



GAS LIFT SKID

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
TIT-1021	GAS LIFT SKID TEMPERATURE	0	300	°F															NON-CRITICAL TASK

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT-1044	GAS LIFT WELL	0	1500	psig				500											NON-CRITICAL TASK
PIT-1045	GAS LIFT WELL	0	1500	psig				500											NON-CRITICAL TASK
PIT-1046	GAS LIFT WELL	0	1500	psig				500											NON-CRITICAL TASK
PIT-1047	GAS LIFT WELL	0	1500	psig				500											NON-CRITICAL TASK
PIT-1048	GAS LIFT WELL	0	1500	psig				500											NON-CRITICAL TASK
PIT-1049	GAS LIFT WELL	0	1500	psig				500											NON-CRITICAL TASK
PIT-1050	GAS LIFT WELL	0	1500	psig				500											NON-CRITICAL TASK
PIT-1051	GAS LIFT WELL	0	1500	psig				500											NON-CRITICAL TASK



TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	AS FOUND (%)					AS LEFT (%)					REMARK
					0	25	50	75	100	0	25	50	75	100	
PIT-1044	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1045	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1046	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1047	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1048	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1049	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1050	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK
PIT-1051	GAS LIFT WELL	0	850	INH2O											NON-CRITICAL TASK

Removed on

TEST SEPARATOR

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS FOUND				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
TIT-1012	TEST SEPARATOR GAS OUTLET TEMPERATURE	0	300	°F															NON-CRITICAL TASK
PIT-1011	TEST SEPARATOR PRESSURE	0	1500	PSIG					650										
PIT-1010	TEST SEPARATOR PRESSURE	0	1500	PSIG			280			750									
LIT-1010	TEST SEPARATOR OIL LEVEL	0	100	%															
LIT-1011	TEST SEPARATOR INTERPHASE LEVEL	0	100	%						75%									

2) FUNCTIONAL CHECK CONTROL, MOVEMENT AND LEAKAGE OF THE FOLLOWING PRESSURE CONTROL VALVE:

		CONTROL VALVE (COMPLETED)		REMARK
		(YES)	(NO)	
PCV -1011	GAS OUTLET FROM TEST SEPARATOR TO FLARE	(YES)	(NO)	
PCV -1010	GAS OUTLET FROM TEST SEPARATOR TO PRODUCTION	(YES)	(NO)	
LCV -1010	TEST SEPARATOR CONDENSATE LEVEL	(YES)	(NO)	NON-CRITICAL TASK
LCV -1012	TEST SEPARATOR WATER LEVEL	(YES)	(NO)	NON-CRITICAL TASK

3) COMMAND TO OPERATE AND CHECK FUNCTION OF ON-OFF VALVE :

TAG	DESCRIPTION	SOLENOID		POSITION SWITCH		REMARK
		XSV		ZSC	ZSO	
ABV -1010A	TEST SEPARATOR TO PRODUCTION HEADER	(YES)	(NO)	(YES)	(NO)	(YES) (NO)
ABV -1010B	TEST SEPARATOR TO HP VENT HEADER	(YES)	(NO)	(YES)	(NO)	(YES) (NO)
ABV -1010C	TEST SEPARATOR TO GAS COMPRESSOR SUCTION HEADER	(YES)	(NO)	(YES)	(NO)	(YES) (NO)
ABV -1011A	TEST SEPARATOR TO PRODUCTION HEADER	(YES)	(NO)	(YES)	(NO)	(YES) (NO)
ABV -1011B	TEST SEPARATOR TO SUMP TANK	(YES)	(NO)	(YES)	(NO)	(YES) (NO)

**4) VISUAL INSPECTIONS AND CLEANING**

4.1 VISUALLY INSPECT ALL ACCESSIBLE ELECTRICAL SYSTEM FOR
LOOSE OR BROKEN CONNECTION, DEFECTIVE CIRCUITRY.

() () REMARKS N/A

4.2 INSPECT AND ACCURACY OF ALL INDICATORS AND GAUGES.

() () REMARKS N/A

4.3 FLUSH AND CLEAN CONNECTION NOZZLES AND CHAMBERS
OF ALL LEVEL TRANSMITTERS, LEVEL GAUGES AND LEVEL
CONTROLLERS.

() () REMARKS N/A

4.4 CLEAN STRAINER OF LIQUID LINE THEN REPLACE GASKET
3" Y-STRAINER.

() () REMARKS N/A

4.5 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATOR
LIQUIDS FROM REGULATOR.

() () REMARKS N/A



WELL TEST METER

1) PREPARATION TO PERFORM PM TASK:

- 1.1 COORDINATE WITH OPERATOR TO MAKE EQUIPMENT AVAILABLE FOR PM.
- 1.2 PREPARE ORIFICE METER FOR SEMI-ANNUAL PM INSPECTION AND ORIFICE BOX DOOR GASKET.
- 1.3 CERTIFIED PNEUMATIC & PRESSURE CALIBRATORS OR OTHER CERTIFIED CALIBRATION EQUIPMENT.
- 1.4 CERTIFIED RESISTANCE DECADE BOX OR RTD OR CALIBRATOR AND THERMOMETER.

() () REMARKS N/A

() () REMARKS N/A

() () REMARKS N/A

() () REMARKS N/A

2) VISUAL INSPECTION:

- 2.1 INSPECT ALL ACCESSIBLE INSTRUMENT SYSTEMS FOR DAMAGES, LEAKS, LOOSE OR BROKEN CONNECTIONS.
- 2.2 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATED LIQUIDS FROM REGULATORS.

() () REMARKS N/A

() () REMARKS N/A

3) PERFORM CALIBRATION CHECK ON TRANSMITTER: FT-1012,**PT-1011 AND TT-1012:**

- 3.1 FLUSH OUT FT-1012, PT-1011 IMPULSE LINES.
- 3.2 VERIFY THE "AS FOUND" PRESSURE TRANSMITTERS, PIT-1011 AND RECORD THE READING:

() () REMARKS N/A

FT-1012					
DESIRED INPUT (IN.H ₂ O)	DESIRED OUTPUT (IN.H ₂ O)	AS FOUND (IN.H ₂ O)		AS LEFT (IN.H ₂ O)	
		INC	DEC	INC	DEC
0.0	0.0				
212.5	212.5				
425.0	425.0				
637.5	637.5				
850.0	850.0				

CRITERIA: ACCURACY WITH IN 0.1% OF SPAN (+/- 0.85 IN.H₂O)

PT-1011					
DESIRED INPUT (PSI)	DESIRED OUTPUT (PSI)	AS FOUND (PSI)		AS LEFT (PSI)	
		INC	DEC	INC	DEC
0.0	0.0				
250.0	250.0				
500.0	500.0				
750.0	750.0				
1,000.0	1,000.0				

CRITERIA: ACCURACY WITH IN 0.1% OF SPAN (+/- 1.0 PSI.)

TT-1012					
DESIRED INPUT (DEG.F.)	DESIRED OUTPUT (DEG.F.)	AS FOUND (DEG.F.)		AS LEFT (DEG.F.)	
		INC	DEC	INC	DEC
0.0	0.0				
75.0	75.0				
150.0	150.0				
225.0	225.0				
300.0	300.0				

CRITERIA: ACCURACY WITH IN +/- 1 DEG.F.

IF THE "AS FOUND" READINGS OF ANY TRANSMITTER FAIL TO MEET REPERFORM STEP 3.2 UNTIL THE RESULTS OF THAT TRANSMITTERS MEET THE CRITERIA THEN THE LATEST READINGS SHALL BE RECORDED AS "AS LEFT".

() () REMARKS N/A

- 5.3 PERFORM TEMPERATURE READING VERIFICATION BY CHECK AGAINST A CERTIFIED THERMOMETER

TIT-1012 = _____ DEG.F.
CERTIFIED THERMOMETER = _____ DEG.F.

() () REMARKS N/A

**4) ORIFICE METER FE-1012:**

4.1 FLUSH OUT LIQUID IN ORIFICE FITTING CHAMBER.

() () REMARKS N/A

4.2 BLEED PRESSURE AND REMOVE IN-USE ORIFICE PLATE AND SEAL FOR INSPECTION. RECORD ITS CONDITIONS.

PLATE BORE DIAMETER: _____

PLATE S/N: _____

() () REMARKS N/A

	Pass/ Fail
PLATE SURFACE ROUGHNESS VISUAL	() () REMARKS: _____
EDGE SHARPNESS VISUAL (NO NICK)	() () REMARKS: _____
PLATE FLATNESS VISUAL	() () REMARKS: _____
ORIFICE PLATE SEAL / HOLDER NOT DAMAGE	() () REMARKS: _____
CLEAN ORIFICE PLATE BEFORE RE-INSTALLATION	() () REMARKS: _____

4.3 REINSTALL ORIFICE PLATE AND ENSURE THE BEVEL SIDE (DOWNSTREAM SIDE) FACING TO THE DOWNSTREAM.

() () REMARKS N/A**5) CORIOLIS METER – MICROMOTION FDTT-1010:**

5.1 CLEAN STRAINER.

() () REMARKS N/A

5.2 CHECK TRANSMITTER CONFIGURATION AGAINST ITS CONFIGURATION SHEET. CORRECT ANY DATA DEVIATES FROM ITS CONFIGURATION SHEET.

() () REMARKS N/A

5.3 PERFORM ZERO STABILITY CHECK:

5.3.1 ENSURE THE SENSOR IS FULLY FILLED WITH LIQUID.

() () REMARKS N/A

5.3.2 CLOSE UPSTREAM AND DOWNSTREAM ISOLATION VALVES OF THE METER TO ENSURE THERE IS NO FLOW.

() () REMARKS N/A

5.3.3 PERFORM ZERO CHECK ON THE METER, THIS WILL INDICATE WHETHER ANY CHANGE IN FLOW TUBE. ANY CHANGE COULD BE PIPING STRESS OR DEPOSITION IN THE FLOW TUBE. THE ZERO STABILITY MUST BE STABLE AND WITHIN ITS SPECIFICATION AS FOLLOWS:

MICROMOTION, MODEL F200S420CRAUEZ1ZZHTMC:
Z.S. +/- 6.965 Kg/h. OR +/- 0.31 Gal/Min

IF THE ZERO STABILITY IS OVER ITS SPEC, FLUSH THE FLOW TUBE AND REPEAT STEP 5.3.3, OR REPLACE WITH THE SPARE ONE.

() () REMARKS N/A

5.4 PERFORM THE OUTPUT LOOP CHECK AND RECORD (ADJUST IF REQUIRED).

() () REMARKS N/A

DESIRED INPUT (Hz)	DESIRED OUTPUT (BPD)	AS FOUND (BPD)		AS LEFT (BPD)	
		INC	DEC	INC	DEC
0	0				
2,500	875 (+/-4.0)				
5,000	1,750 (+/- 9.0)				
7,500	2,625 (+/-13.0)				
10,000	3,500 (+/-17.5)				
CRITERIA: ACCURACY WITH IN 0.5% OF READING					

**6) CORIOLIS METER – MICROMOTION FDTT-1011:**

6.1 CLEAN STRAINER.

() () REMARKS N/A

6.2 CHECK TRANSMITTER CONFIGURATION AGAINST ITS CONFIGURATION SHEET. CORRECT ANY DATA DEVIATES FROM ITS CONFIGURATION SHEET.

() () REMARKS N/A

6.3 PERFORM ZERO STABILITY CHECK:

6.3.1 ENSURE THE SENSOR IS FULLY FILLED WITH LIQUID.

() () REMARKS N/A

6.3.2 CLOSE UPSTREAM AND DOWNSTREAM ISOLATION VALVES OF THE METER TO ENSURE THERE IS NO FLOW.

() () REMARKS N/A

6.3.3 PERFORM ZERO CHECK ON THE METER, THIS WILL INDICATE WHETHER ANY CHANGE IN FLOW TUBE. ANY CHANGE COULD BE PIPING STRESS OR DEPOSITION IN THE FLOW TUBE. THE ZERO STABILITY MUST BE STABLE AND WITHIN ITS SPECIFICATION AS FOLLOWS:

*MICROMOTION, MODEL F200S420CRAUEZ1ZZHTMC:**Z.S. +/- 6.965 Kg/h. OR +/-0.31 Gal/Min*

IF THE ZERO STABILITY IS OVER ITS SPEC, FLUSH THE FLOW TUBE AND REPEAT STEP 6.3.3, OR REPLACE WITH THE SPARE ONE.

() () REMARKS N/A

6.3.4 CHECK THE DIVE GAIN VALUE IF IT IS LESS THAN 10%

IF DRIVE GAIN IS GREATER THAN 10% OR ERROR, IT INDICATES THE PROBLEM WITH INTERNAL SENSOR. CONSIDER TO REPLACE WITH SPARE ONE.

() () REMARKS N/A

6.4 PERFORM THE OUTPUT LOOP CHECK AND RECORD (ADJUST IF REQUIRED).

() () REMARKS N/A

DESIRED INPUT (Hz)	DESIRED OUTPUT (BPD)	AS FOUND (BPD)		AS LEFT (BPD)	
		INC	DEC	INC	DEC
0	0				
2,500	875 (+/-4.0)				
5,000	1,750 (+/- 9.0)				
7,500	2,625 (+/-13.0)				
10,000	3,500 (+/-17.5)				

CRITERIA: ACCURACY WITH IN 0.5% OF READING

**7) WATER CUT WCT-1010:(ROXAR)**

- 7.1 INSPECTION ON ELECTRICAL AND INSTRUMENT SYSTEM FOR SIGN OF BURNT, LEAKS, LOOSE CONNECTIONS, CORRECT AS APPROPRIATE. () () REMARK: N/A
- 7.2 INSPECTION FOR ANY ACCESSIVE VIBRATION ON THE SENSOR. SECURE THE SENSOR AS APPROPRIATE. () () REMARK: N/A
- 7.3 CHECK ALL CABLES FOR BEND OR DAMAGE. () () REMARK: N/A
- 7.4 INSPECT ALL CABLE CONNECTIONS AND ADAPTERS. () () REMARK: N/A
- 7.5 CHECK AND RECOED POWER SUPPLY VOLTAGE. () () REMARK: N/A
- 7.6 CHANGE WATER ABSORBENT SILICA PAD. () () REMARK: N/A
- 7.7 SWITCH WCM OFF FOR 5 MINUTED AND RESTART (NEED TO REPLACE BBRAM IF WCM UNABLE TO REBOOT). () () REMARK: N/A
- 7.8 CHECK AND VERIFY PARAMETER, RANGE AND CALIBRATION ON ANALOG INPUTS/OUTPUTS. () () REMARK: N/A
- 7.9 CHECK AND VERIFY OUTPUT ON LOCAL DISPLAY. () () REMARK: N/A
- 7.10 LOG DIAGNOSTICS AND VERIFY CORRECT MICROWAVE POWER-LEVEL (ADC 250-4095). () () REMARK: N/A

CHECK AND VERIFY ALL PARAMETER FOR ROXAR WCM		
ITEM	PARAMETER	ASFOUND
1	SET AUTOSTART (Y)	Y / N
2	SET CONSTANT LINE PRESSURE (600 PSI )	.....PSI.
3	SET SALINITY AUTO CALIBRATE (Y)	Y / N
4	SET EMULSION FLOW (Y)	Y / N
5	TEMPERATURE UNIT (° F)	
6	PRESSURE UNIT (PSI)	
7	DENSITY UNIT (KG/M ³)	
8	ANALOG INPUT VALUE (TEMPERATURE)	
	8.1) CHANGE 4-20 mA LOOP POWER SOURCE (INTERNAL)	
	8.2) LOW TEMPERATURE INPUT VALUE	
	8.2) HIGH TEMPERATURE INPUT VALUE	
9	ANALOG INPUT VALUE (DENSITY)	
	8.1) CHANGE 4-20 mA LOOP POWER SOURCE (EXTERNAL)	
	8.2) LOW DENSITY INPUT VALUE (500 KG/M ³ )	.....( KG/M ³)
	8.2) HIGH DENSITY INPUT VALUE (1500 KG/M ³ )	.....( KG/M ³)
10	ANALOG OUTPUT #1 (% WATER BY VOLUME)	
	10.1) LOW OUTPUT VALUE (0%)	
	10.1) HIGH OUTPUT VALUE (100%)	
11	ANALOG OUTPUT #2 (MIXTURE DENSITY)	
	11.1) LOW OUTPUT VALUE (500 KG/M ³ )	.....( KG/M ³)
	11.1) HIGH OUTPUT VALUE (1500 KG/M ³ )	.....( KG/M ³)
12	ANALOG OUTPUT #3 (% WATER BY VOLUME TO LOCAL DISPLAY)	
	10.1) LOW OUTPUT VALUE (0%)	
	10.1) HIGH OUTPUT VALUE (100%)	
12	DRY OIL DENSITY VALUE	
13	WATER CONDUCTIVITY VALUE	.....mS/cm at ° F



ANALOG INPUT CALIBRATIONS					
Input #1: Temperature			Input #2: Density		
Input current (mA)	As found (mA)	As left (mA)	Input current (mA)	As found (mA)	As left (mA)
4			4		
8			8		
12			12		
16			16		
20			20		

ANALOG OUTPUT CALIBRATIONS							
Output #1: % Water by Volume				Output #2: Mixture density			
Output simulation (mA)	As found (mA)	As left (mA)	Panel view	Output simulation (mA)	As found (mA)	As left (mA)	Panel view
4				4			
8				8			
12				12			
16				16			
20				20			

8) FINAL INSPECTION:

- 8.1 RETURN THE SYSTEM TO SERVICE.
8.2 CHECK SYSTEM FOR LEAKS.

() () REMARK: N/A
() () REMARK: N/A

9) PM TASK AND ORIFICE METER PM INSPECTION REPORT:

- 9.1 SCAN THIS JOB CARD AND ATTACH TO WORK ORDER.
9.2 CLOSE PM WORK ORDER AND RECORD ANY CORRECTIVE ACTIONS IN CMMS.

() () REMARK: N/A
() () REMARK: N/A

UTILITY GAS SCRUBBER

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS FOUND				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
PIT -1305	UTILITY GAS SCRUBBER INLET	0	300	PSIG			75			225									
PIT-1300	INSTRUMENT GAS SCRUBBER INLET	0	300	PSIG			75			135									
LIT-1300	INSTRUMENT GAS SCRUBBER LEVEL	0	100	%						92									
		MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS FOUND				AS LEFT				REMARK
							LALL	LCL	LCH	LAHH	LALL	LCL	LCH	LAHH	LALL	LCL	LCH	LAHH	
LIT-1302	INSTRUMENT GAS SCRUBBER LEVEL	0	100	%															
LIT-1350	UTILITY GAS SCRUBBER LEVEL	0	100	%						70									

2) FUNCTIONAL CHECK CONTROL, MOVEMENT AND LEAKAGE OF THE FOLLOWING CONTROL/SOLENOID VALVE:

TAG	DESCRIPTION	SET POINT (PSI)	XSV	CONTROL VALVE	REMARK
LCV -1350	UTILITY GAS SCRUBBER LEVEL	-	(YES) (NO)	(YES) (NO)	NON-CRITICAL TASK
LCV-1302	INSTRUMENT GAS SCRUBBER LEVEL	-	(YES) (NO)	(YES) (NO)	NON-CRITICAL TASK
PCV -1300	GAS INLET TO INSTRUMENT GAS	125		(YES) (NO)	
PCV -1301	GAS INLET TO INSTRUMENT GAS	125		(YES) (NO)	
PCV -1350	GAS INLET TO UTILITY GAS SCRUBBER	180		(YES) (NO)	
PCV -1351	GAS INLET TO UTILITY GAS SCRUBBER	180		(YES) (NO)	
PCV -1302	BLACK START FORM PIPELINE	125		(YES) (NO)	
PCV -1303	BLACK START TO FUSIBLE/ESD	50		(YES) (NO)	

**3) COMMAND TO OPERATE AND CHECK FUNCTION OF SDV:**3.1 PERFORM SHUTDOWN VALVE PASSING TEST OF SDV-1300 = 100 PSI/30 MINUTES

(✓)() REMARK: _____

TAG	DESCRIPTION	SOLENOID	POSITION SWITCH		CLOSING TIME	REMARK
		XSV	ZSC	ZSO	sec	
SDV-1300	UTILITY GAS SCRUBBER INLET	(YES) (NO)	(YES) (NO)	(YES) (NO)		✓ N/A
SDV-1351	UTILITY GAS SCRUBBER INLET	(YES) (NO)	(YES) (NO)	(YES) (NO)		
BDV-1301	UTILITY VENT TO FLARE	(YES) (NO)	(YES) (NO)	(YES) (NO)		

**4) VISUAL INSPECTIONS AND CLEANING (NON-CRITICAL TASK)**

- 4.1 VISUALLY INSPECT ALL ACCESSIBLE ELECTRICAL SYSTEM FOR
LOOSE OR BROKEN CONNECTION, DEFECTIVE CIRCUITRY. () () REMARK: N/A
- 4.2 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATE
LIQUIDS FROM REGULATOR. () () REMARK: N/A
- 4.3 CLEAN SUCTION Y STRAINERS OF ALL PRESSURE CONTROL VALVES. () () REMARK: N/A
- 4.4 INSPECT AND CLEAN ALL FILTERS. () () REMARK: N/A
- 4.5 EXERCISE ALL MANUAL VALVES FOR FREE OF MOVEMENT,
GREASE AS REQUIRED. () () REMARK: N/A

SUMP TANK (OPEN DRAIN / CLOSE DRAIN)

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
FS-1060	SUMP PUMP TO PRODUCTION HEADER																		FLOW ON-OFF
PIT-1040	CLOSE DRAIN SUMP TANK	0	50	psig						5									
LS-1041	CLOSE DRAIN SUMP TANK			INCH															
LT-1051	OPEN DRAIN TANK	0	100	%															
		MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT(°F)				AS Found				AS LEFT				REMARK
							LAL	LCL	LCH	LAH	LAL	LCL	LCH	LAH	LAL	LCL	LCH	LAH	
LIT-1040	CLOSE DRAIN SUMP TANK	0	100	%															NON-CRITICAL-TASK
LIT-1050	OPEN DRAIN TANK	0	100	%															NON-CRITICAL-TASK

2) FUNCTIONAL CHECK CONTROL, MOVEMENT AND LEAKAGE OF THE FOLLOWING CONTROL/SOLENOID VALVE:

TAG	DESCRIPTION	SETPOINT (psig)	CONTROL VALVE	REMARK
LCV-1040	CLOSE DRAINS TANK LEVEL		(YES) (NO)	NON-CRITICAL-TASK
LCV-1050	OPEN DRAIN TANK		(YES) (NO)	NON-CRITICAL-TASK

N/A



3) VISUAL INSPECTIONS CLEANING AND FILTERING

3.1 VISUALLY INSPECT ALL ACCESSIBLE INSTRUMENT SYSTEM FOR DAMAGE
FAULTS, LEAKS, LOOSE OR BROKEN CONNECTIONS.

() () REMARK: N/A

3.2 CHECK SELF OPERATED REGULATORS AND BLEED ACCUMULATE
LIQUIDS FROM REGULATOR.

() () REMARK: N/A

3.3 CHECK CONDITION AND ACCURACY OF ALL INDICATORS AND GAUGES.

() () REMARK: N/A

3.4 CLEAN SUCTION STRAINER OF OPEN DRAIN AND CLOSE DRAIN PUMP.

() () REMARK: N/A



IMPORT PIPELINE / RECEIVER / EXPORT PIPELINE / LAUNCHER

1) CHECK THE OPERATION AND SETPOINT OF THE FOLLOWING INSTRUMENT:

TAG	DESCRIPTION	MIN. RANGE	MAX. RANGE	UNIT	ZERO	SPAN	SETPOINT				AS Found				AS LEFT				REMARK
							LL	L	H	HH	LL	L	H	HH	LL	L	H	HH	
TIT-1000	OUT GOING PIPELINE	0	300	°F					210	225									
PIT-1008	OUT GOING PIPELINE	0	1500	PSIG			280	350	650	750									N/A

POWER SYSTEM (EXCLUDE GENERATOR)

1) PERFORM CHECK ON D/C POWER SYSTEM:

- 1.1 CHECK CABLE CONNECTIONS SECURITY ON DC DISTRIBUTION PANEL. (✓)() REMARK: _____
- 1.2 CHECK & CLEAN SOLAR CELL PANELS. () (✓) REMARK: N/A
- 1.3 CHECK SCI (SOLAR CHARGER AND CONTROLLER), AND CORRECT FLOAT CHARGE SETTING AS PER BATTERY MFG'S RECOMMENDATION. () (✓) REMARK: N/A

2) CHECK ON SOLAR, BATTERY CHARGER AND BANKS (BA-01 & COMM):

BATTERY:

- 2.1 CHECK BATTERY SIMEN VALUE AND RECORD ON BELOW TABLE
(IF UNDER 30% CHANGE FROM BASE VALUE, CONSIDER BATTERY REPLACEMENT OR POOR INTERCELL CONNECTION). (✓)() REMARK: _____
- 2.2 CHECK VOLT PER CELL/UNIT AND RECORD ON BELOW TABLE, IN CASE OF DIFFERENCE IN CELL VOLTAGE EXCEEDING 0.3 VOLTS, CONSIDER AN EQUALIZING CHARGE TO BRING ALL CELLS TO SAME VOLTAGE RATE
- REMARK: RECOMMENDED CHARGE VOLTAGES FOR THE ABSOLUTE GP, VRLA AGM(ONLY) ARE AS FOLLOWS:
1. FLOAT CHARGE: VPC=2.20 TO 2.27 VPC (AT 25 C) (or 2.20 AT 35C)

BATTERY TYPE PCA09 NUMBER OF STRING 2 NUMBER OF CELL 24

NO.	SIMEN	Volt per Cell (Vdc)	NO.	SIMEN	Volt per Cell (Vdc)	NO.	SIMEN	Volt per cell (Vdc)	NO.	SIMEN	Volt per Cell (Vdc)
1		2.07	13		2.00	25			37		
2		2.01	14		2.01	26			38		
3		2.00	15		2.00	27			39		
4		1.99	16		2.02	28			40		
5		2.01	17		2.01	29			41		
6		2.02	18		2.02	30			42		
7		2.00	19		2.03	31			43		
8		2.02	20		2.02	32			44		
9		2.01	21		2.00	33			45		
10		2.00	22		1.99	34			46		
11		2.00	23		2.01	35			47		
12		1.98	24		2.02	36			48		

BATTERY REPLACEMENT CRITERIA: THE ENTIRE SHOULD BE REPLACED WHEN 20% OF TOTAL CELLS OF EACH STRING HAVE BEEN REPLACED

- 2.3 RE-TIGHTEN BATTERY TERMINAL SUPPLY AT PLC CABINET. (✓)() REMARKS _____

**3) CHECK ON BATTERY BANKS (NAV-AIDS):****SOLAR:**

3.1 POWER-OFF SOLAR CELL SYSTEM:

(✓)() REMARK: _____

	VOLATGE (VDC)	CURRENT (AMP)
SOLAR CELL PANEL-A	12.5	0.4

CHARGER:

3.2 CHECK AND DATA RECORD FOR DC VOLTAGE (FLOAT)

SET 14.0 VDC, AS FOUND 13.5 VDC, AS FOUND 0.4 AMP. (✓)() REMARK: _____

3.3 CONFIRM CHECK AND RECORD DC OUTPUT VOLTAGE AND AMPARE AT LOCAL AND HMI MONITOR.

LOCAL = 13.5 VDC., 0.92 AMP.

HMI = N/A VDC., N/A AMP. (✓)() REMARK: _____

3.4 CHECK AND RECORD BATTERY CELLS VOLT PER CELL (VPC)/
BATTERY OHMIC TESTING.

() () REMARK: _____

BATTERY TYPE LEAD ACD

NO.	%	Volt per Cell (VDC)
1	-	13.65

3.5 RE-TIGHTEN BATTERY TERMINAL SUPPLY AT PLC CABINET.

(✓)() REMARK: _____

3.6 MARINE LANTERNS:

PERFORM INSPECT AND CARRY OUT AS FOLLOWS:

3.6.1 CHECK CABLES AND TERMINALS, VERIFY GROUNDED.

(✓)() REMARK: _____

3.6.2 CHECK LEN/LEN'S COVER FOR DEFECT, REPLACE IF DEFECTIVE.

(✓)() REMARK: _____

3.6.3 CHECK O-RING SEAL.

(✓)() REMARK: _____

3.6.4 CHECK LAMP AND LAMP CHANGERS, CHANGE THE DEFECTED BULBS.

(✓)() REMARK: _____

3.6.5 CHECK THE OPERATION AND INTENSITY OF LIGHT SIGNAL MORSE U-CODE.

(✓)() REMARK: _____

3.7 PHOTO SWITCH: CHECK THE OPERATION OF PHOTO VOLTAIC SWITCH (SUN SWITCH) CLEAN UP AS NECESSARY.

(✓)() REMARK: _____

4) PERFORM CHECK DC POWER ON TEG GENERATOR (SK-1250Z):

PERFORM CHECK DC POWER TEG GENERATORS OF THE FOLLOWING (ONE UNIT AT A TIME):

4.1 WHILE UNITS ONLOAD, CHECK AND RECORD FUEL PRESSURE VOLTS/AMPS METER READING ON EACH GENERATOR, CORRECT IF REQUIRED.

G-1250A, OUTPUT _____ VDC, AMPARE _____ AMP.

FUEL PRESSURE _____ PSI, TEMP, _____ °F

G-1250B, OUTPUT _____ VDC, AMPARE _____ AMP.

FUEL PRESSURE _____ PSI, TEMP, _____ °F

G-1250C, OUTPUT _____ VDC, AMPARE _____ AMP.

FUEL PRESSURE _____ PSI, TEMP, _____ °F

G-1250D, OUTPUT _____ VDC, AMPARE _____ AMP.

FUEL PRESSURE _____ PSI, TEMP, _____ °F

() () REMARK: N/A

4.2 SELECT V-SET/RUN SELECTOR SWITCH TO V-SET POSITION AND WAITING FOR 15 MINS, THEN RECORD V-SET OF EACH UNIT.

G-1250A, Vset _____ VDC, AMPARE _____ AMP.

G-1250B, Vset _____ VDC, AMPARE _____ AMP.

G-1250C, Vset _____ VDC, AMPARE _____ AMP.

G-1250D, Vset _____ VDC, AMPARE _____ AMP.

() () REMARK: N/A

4.3 ON PLATFORM EQUIPPED WITH CO2 MEMBRANE PANEL, USING DRAGGER TUBE TO MEASURE PERCENT CO₂ ON THE TEG FUEL SUPPLY LINE, DOWN STREAM OF THE CO₂ MEMBRANE UPSTREAM CO₂ CONTENT _____ %.

() () REMARK: N/A

DOWNSTREAM CO₂ CONTENT _____ %.

() () REMARK: N/A

4.4 DRAIN LIQUID FROM CARTRIDGE FILTER ON CO₂ MEMBRANE PANEL.

() () REMARK: N/A



4.5 NEED ANNUALLY REPLACE CO₂ MEMBRANE FILTER ACTIVATED CARBON FILTER AND SILICA FILTER IF NECESSARY.

() () REMARK: _____

4.6 SHUTDOWN THE GENERATOR BEING TESTED, ALLOWING UNITS TO COOLDOWN AND CHECK OF THE FOLLOWING:

() () REMARK: _____

4.6.1 VERIFY FUNCTION OF THERMAL FUEL SHUT OFF VALVE.

() () REMARK: _____

4.6.2 CHECK & CORRECT FUEL PRESSURE GAUGE, REPLACE IF REQUIRED.

() () REMARK: _____

4.6.3 CHECK FUEL NOZZLE, CLEAN WITH SOLVENT AS NECESSARY.

() () REMARK: _____

4.6.4 DRAIN SEDIMENT BOWL OF FUEL REGULATOR.

() () REMARK: _____

4.6.5 CLEAN COOLING FIN.

() () REMARK: _____

4.6.6 CLEAN EXHAUST FLAME ARRESTOR, REPLACE AS NECESSARY.

() () REMARK: _____

4.6.7 CLEAN AIR INTAKE FLAME ARRESTOR, REPLACE AS NECESSARY.

() () REMARK: _____

4.7 RESTART TEG GENERATOR AND CHECK OF THE FOLLOWING:

4.7.1 SETUP & RECORD BY USING THE GLOBAL SETUP DATA LOG SHEET FORMAT AND FOLLOW UP UNTIL STABILIZED
NOTE: ENSURE THE V-SET VOLTAGE NOT OVER 6.8 VDC.

() () REMARK: _____

4.7.2 CHECK & RECORD FINAL V-SET, COMPARE WITH THE PREVIOUS RECORD ON STEP 7.1 & 7.2.

() () REMARK: _____

4.7.3 SWITCH V-SET & RUN SELECTOR TO V-SET POSITION AND WAIT FOR 15 MINS, THEN RECORD V-SET OF EACH UNIT.

G-1250A, VSet = _____ V, AMPARE = _____ AMPS.

G-1250B, VSet = _____ V, AMPARE = _____ AMPS.

G-1250C, VSet = _____ V, AMPARE = _____ AMPS.

G-1250D, VSet = _____ V, AMPARE = _____ AMPS.

() () REMARK: _____

4.7.4 WHILE UNITS ON LOAD, CHECK AND RECORD FUEL PRESURE VOLTS/AMPS METER READING ON EACH GENERATOR, CORRECT IF REQUIRED.

G-1250A, OUTPUT = _____ V, AMPARE = _____ AMPS.

FUEL PRESSURE = _____ PSI, TEMP = _____ °F

G-1250B, OUTPUT = _____ V, AMPARE = _____ AMPS.

FUEL PRESSURE = _____ PSI, TEMP = _____ °F

G-1250C, OUTPUT = _____ V, AMPARE = _____ AMPS.

FUEL PRESSURE = _____ PSI, TEMP = _____ °F

G-1250D, OUTPUT = _____ V, AMPARE = _____ AMPS.

FUEL PRESSURE = _____ PSI, TEMP = _____ °F.

() () REMARK: _____

4.7.5 ENSURE TOTAL GENERATOR POWER OUTPUT IS SUFFICIENT TO PROVIDE EXCESS POWER TO CHARGE THE BATTERY BANK UNDER MFGR'S RECOMMENDED.

() () REMARK: _____

4.7.6 ENSURE ALL STARTING CLIPS OF THE SHUT-OFF VALVES ARE REMOVED PRIOR BRING THE SYSTEM BACK TO NORMAL OPERATION.

() () REMARK: _____



SAFETY RELATED EQUIPMENT

1) VISUAL INSPECTIONS:

- 1.1 VISUAL INSPECTION FOR ALL SAFETY EQUIPMENT TO CHECK
DAMAGE FAULTS, LOOSEN OR BROKEN CONNECTIONS.

(✓)() REMARKS _____

2) PERFORM INSPECTION SAFETY RELATED EQUIPMENT:

2.1 DRY CHEMICAL EXTINGUISHER (HAND PORTABLE):

- 2.1.1 MAKE A VISUAL INSPECTION OF EACH EXTINGUISHER FOR
DAMAGE, CORROSION AND CONFIRM ITS YELLOW SEAL
HAS NOT BEEN BROKEN.

(✓)() REMARKS _____

- 2.1.2 CONFIRM EACH EXTINGUISHER LOCATION HAS PROPER
TYPE OF EXTINGUISHER.

(✓)() REMARKS _____

- 2.1.3 ENSURE THAT THE APPROACH IS FREE OF OBSTRUCTIONS.

(✓)() REMARKS _____

- 2.1.4 CHECK ON THE OPERATE NOZZLE HANDLE FOR FREE
MOVEMENT.

(✓)() REMARKS _____

- 2.1.5 REMOVE THE CARTRIDGE, CHECK TO SEE IF THE CARTRIDGE
IS SEALED AND CHECK THE WEIGHT, REPLACE CARTRIDGE IF
LOSS GREATER THAN 1/2 OZ.

(✓)() REMARKS _____

- 2.1.6 OPERATE PUNCTURE MECHANISM WITH CARTRIDGE, CHECK
FOR FREE MOVEMENT.

(✓)() REMARKS _____

- 2.1.7 REMOVE FILL CAP, INSPECT THREADS AND SEAL.

(✓)() REMARKS _____

- 2.1.8 REFILL WITH FREE FLOWING DRY CHEMICAL, IF THE POWDER
LEVEL IS LESS THAN 70-80%.

(✓)() REMARKS _____

- 2.1.9 RE-INSTALL FILL CAP WITH HAND TIGHT ONLY.

(✓)() REMARKS _____

=====

COMPLETED BY: PONGSATORN S. / JIRAPONG M., DATE: 23 Oct 2023

COMMENT: _____

P/F Depleted

SUPERVISOR: Bongman N., DATE: 23 Oct. 2023

ภาคผนวก 18

ตัวอย่างบันทึกการตรวจสอบการปฏิบัติงานประจำวัน

(Operation Routine Duty Checklist)



CBWA

Wellhead Daily Report

Last update :

Date :

23/1/25

Time onboard :

04:30

Reporter :

Pongsatorn Sawech

Name onboard :

POB count

☐ Toolbox meeting

☐ Review ISA

SIMOPs lead by :

Slot	Well No.	X-tree Y/N	F/L Y/N	Online Hrs.	Choke Size Y/N or PV	THP psi	Casing, psi			Gaslift Well Y	Remarks	Shallow sand	Gas composition		New Perf Well			Ready to Service			Well Activity Today		
							7	9-5/8	13-3/8				H2S PPM	CO2 %	Y	Growth	Temp	Y	N	N/A	Fail	Fixed	Equipment Details
A	28	Y	Y	0	0	0	0	0	0	Y													
B	5	Y	Y	0	0	0	0	0	0	-													
C	35	Y	Y	24	30	1200	599	0	-	Y													
D	18	Y	Y	0	0	300	195	0	-	Y													
E	17	Y	Y	0	0	960	93	0	-														
F	2	Y	Y	24	40	200	130	0	-	Y													
G	6	Y	Y	12	30	200	140	0	-	Y													
H	32	Y	Y	0	0	200	0	0	-														
I	24	Y	Y	0	0	0	0	0	-	Y													
J	11	Y	Y	0	0	480	126	0	-	Y													
K	14	Y	Y	0	0	0	102	0	-	Y													
L	8	Y	Y	0	0	500	93	0	-	Y													
M	15	Y	Y	0	0	0	0	0	-	Y													
N	12	Y	Y	0	0	0	0	0	-														
O	13	Y	Y	0	0	200	0	0	-														
P	31	Y	Y	0	0	500	0	0	-														
Q	38	Y	Y	24	30	1800	0	0	-														
R	33	Y	Y	24	30	800	71	0	-	Y													
S	1	Y	Y	12	40	300	0	0	-	Y													
T	30	Y	Y	0	0	200	150	0	-	Y													

Requirement : -CVA หลุมมี F/L ใส PV, ส่วนหลุม No Flowline ดูว่ามี CVA อยู่ไหม
 - Pressure Gauge ไม่ได้ติดตั้ง, ถอดออก ใส N/A
 - Pressure Gauge อ่านค่าไม่ได้, ของเสีย ใส ERROR
 - ถ้าไม่มี Item ขึ้นนั้น ใส - (เช่น 13-3/8" ไม่มี)
 - ถ้ามี Tag COG ที่ X-tree / CP-100 ลง Detail ในช่อง Remark

Non-usable well 0 Well
 Depleted Well 0 Well
 Water Injection 0 Well
 Water Flood 0 Well
 Shallow Sand well 0 Well

Comment :

Thermal Wellhead Growth/Expansion Monitoring (For new perforating well after initial putting well on production)

คือ หลุมที่มีลักษณะ X-tree มีการยกตัวซึ่งโดยปกติความสูงจะคงที่ไม่เกิน 6 นิ้ว (ประมาณ 15 เซนติเมตร)

เปรียบเทียบ support ของ Flow line เพราะจะทำให้ Flow line เกิดการ crack

Remarks

Slot	Well No.	Online Hrs.	Choke	THP psi	Casing Pressure			S/I THP psi	Ready to Service			Fail	Fixed	F/L Temp Deg F	Well Activity Today	Remarks
					7	9-5/8	13-3/8		Y	N	N/A					

Unit	Press psi	Temp deg F	Gas Generator : Lube oil			%	Diesel Generator No.		Fuel	%	Lube oil	%
Test Sep			Wellhead Control Panel : Reservoir			%	Return		%	Sump pump		
Inlet Receiver R-			HD-32	Drum	%	Platform Water		%	Well in Test	Pump	Normal	Fail
Inlet Receiver R-			15W40	Drum	%	Water Tote tank No.		%	Time start	P1040		
Inlet Receiver R-			5200 SEA40	Drum	%	Diesel Tote Tank No.		%	O/P Size	P1060		
Launcher L-			Chemical		%	Sump Tank level		%	Dry Fire Extinguisher	P2010		
Launcher L-			Chemical		%	FQI C/W		%	Date inspect			

Zone	Well No.	Time start	Test Hour	Gas (MMscfd)	Condy (BPD)	Water (BPD)	Tubing Initial	Final	Sep Press	Manifold Temp	Choke	CGS Pres	Chart recorder Static	Flow	O/P Temp	Prod INCH /BC	Remarks

Check all DBB Sampling Points were properly capped/plugged

Secured
 Yes No

Remarks

Time

Activity



ETWA

Wellhead Daily Report

Last update :

Date : 29 Aug 25 Time onboard : 10:00Reporter : Jirapong M. + Taehakon D. + Pongsatorn S.Name onboard : Jirapong M. + Taehakon D. + Pongsatorn S.

POB count

☒ Toolbox meeting☐ Review JSA

SIMOPs lead by :

Slot	Well No.	X-tree	F/L	Online Hrs.	Choke Size Y/N or PV	THP psi	Casing, psi			Gaslift Well Y	Remarks	Shallow sand	Gas composition		New Perf Well			Ready to Service			Well Activity Today		
		Y/N	Y/N				7	9-5/8	13-3/8				H2S PPM	CO2 %	Y	Growth	Temp	Y	N	N/A	Fail	Fixed	Equipment Details
A	11	N	N			-	-	-	-		No Well												
B	11	N	N			-	-	-	-		No Well												
C	21	Y	Y	0		900	0	0	0														
D	12	Y	Y	0		950	0	0	0														
E	40	Y	Y			1000	0	0	0														
F	37	N	N			-	-	-	-		No Well												
G	18	N	N			-	-	-	-		No Well												
H	38	Y	Y	0		0	0	0	0														
I	9	Y	Y	0		900	0	0	0														
J	4	Y	Y	0		400	0	0	0														
K	7	N	N			-	-	-	-		No Well												
L	13	Y	Y	0		1500	0	0	0														
M	34	Y	Y	0		1200	0	0	0														
N	5	N	N			-	-	-	-		No Well												
O	22	Y	Y	0		500	0	0	0														
P	20	N	N			-	-	-	-		No Well												
Q	42	N	N			-	-	-	-		No Well												
R	29	N	N			-	-	-	-		No Well												
S	27	Y	Y	0																			
T	15	N	N			-	-	-	-		No Well												
U	1	N	N			-	-	-	-		No Well												
V	2	N	N			-	-	-	-		No Well												
W	30	Y	Y	0		1600	0	0	0														
X	32	Y	Y	0		2400	0	0	0														

Requirement :
 - CVA หลุมมี F/L ไม่ PV, ส่วนหลุม No Flowline ดูว่ามี CVA อยู่ไหม
 - Pressure Gauge ไม่ได้ติดตั้ง, ถูกถอดออก ไฟฟ้า N/A
 - Pressure Gauge อ่านค่าไม่ไ้, ของเสีย ไฟฟ้า ERROR
 - ถ้าไม่มี item ขึ้นนั้น ไฟฟ้า - (เช่น 13-3/8" ไม่มี)
 - ถ้ามี Tag COG ที่ X-tree / CP-100 ลง Detail ในช่อง Remark

Non-usable well 0 Well
 Depleted Well 0 Well
 Water Injection 0 Well
 Water Flood 0 Well
 Shallow Sand well 0 Well

Comment :

Thermal Wellhead Growth/Expansion Monitoring (For new perforating well after initial putting well on production)
 คือ หลุมที่มีลักษณะ X-tree มีการยกตัวซึ่งโดยปกติความสูงจะต้องไม่เกิน 6 นิ้ว (ประมาณ 15 เซนติเมตร)
 เปรียบเทียบกับ support ของ Flow line เพราะจะทำให้ Flow line เกิดการ crack

Remarks

Slot	Well No.	Online Hrs.	Choke	THP psi	Casing Pressure			S/I THP psi	Ready to Service			Fail	Fixed	F/L Temp Deg F	Well Activity Today
					7	9-5/8	13-3/8		Y	N	N/A				

Unit	Press psi	Temp deg F	Gas Generator : Lube oil %	Diesel Generator No.	Fuel %	% Lube oil %
Test Sep			Wellhead Control Panel : Reservoir %	Return %		Sump pump
Inlet Receiver R-			HD-32 Drm %	Platform Water %	Well in Test	Pump Normal Fail
Inlet Receiver R-			15W40 Drm %	Water Tote tank No.	Time start	P1040
Inlet Receiver R-			5200 SEA40 Drm %	Diesel Tote Tank No.	O/P Size	P1060
Launcher L-			Chemical %	Sump Tank level	Dry Fire Extinguisher	P2010
Launcher L-			Chemical %	FQI C/W	Date inspect	

Zone	Well No.	Time start	Test Hour	Gas (MMscfd)	Condy (BPD)	Water (BPD)	Tubing Initial	Final	Sep Press	Manifold Temp	Choke	CGS Pres	Chart recorder Static	Flow	Temp	O/P INCH	Prod /BC	Remarks

Check all DBB Sampling Points were properly capped/plugged

Secured
Yes No

Remarks

Time

Activity



ETWB
Wellhead Daily Report

Last update :

Date: 24 Oct 2025 Time onboard: 9.30

Reporter: Ratchapon S./Thachakon D.

Name onboard :

POB count

☐ Toolbox meeting

Review JSA

 SIMOPs lead by :

[illegible]

Requirement : -CVA หลุมมี F/L มี PV, ส่วนหลุม No Flowline ดูว่ามี CVA อยู่ไหม
- Pressure Gauge ไม่ได้ติดตั้ง, ถูกถอดออก ให้ใส่ **N/A**
- Pressure Gauge อ่านค่าไม่ได้, ของเสีย ให้ใส่ **ERROR**
- ถ้าไม่มี Item ขึ้นบน ให้ใส่ - (เช่น 13-3/8" ไม่มี)
- ถ้ามี Tag COG ที่ X-tree / CP-100 ลง Detail ในช่อง Remark

Non-usable well	0	Well
Depleted Well	0	Well
Water Injection	0	Well
Water Flood	0	Well
Shallow Sand well	0	Well

Comment :

Thermal Wellhead Growth/Expansion Monitoring (For new perforating well after initial putting well on production)

คือ หลุมที่มีลักษณะ X-tree มีการยกตัวซึ่งโดยปกติความสูงจะต้องไม่เกิน 6 นิ้ว (ประมาณ 15 เซนติเมตร)

เปรียบเทียบกับ support ของ Flow line เพราะจะทำให้ Flow line เกิดการ crack

Remarks

[illegible]

Unit	Press psi	Temp deg F	Gas Generator : Lube oil			%	Diesel Generator No.		Fuel	%	Lube oil	%	
Test Sep			Wellhead Control Panel : Reservoir				%	Return		%	Sump pump		
Inlet Receiver R-			HD-32	Drm	%	Platform Water		%	Well in Test		Pump	Normal	Fail
Inlet Receiver R-			15W40	Drm	%	Water Tote tank No.		%	Time start		P1040		
Inlet Receiver R-			5200 SEA40	Drm	%	Diesel Tote Tank No.		%	O/P Size		P1060		
Launcher L-			Chemical		%	Sump Tank level		%	Dry Fire Extinguisher		P2010		
Launcher L-			Chemical		%	FQI C/W			Date inspect				

[illegible]

Check all DBB Sampling Points were properly capped/plugged

Secured

Ye

Remarks

Time

Activity

Time	Activity



YAWC

Wellhead Daily Report

Last update :

Date : 19/8/25 Time onboard : 10:00

Reporter : Jirapong M. + Pongsatorn S.

Name onboard : Jirapong M. + Pongsatorn S.

POB count

Toolbox meeting

Review JSA

SIMOPS lead by :

Slot	Well No.	X-tree	F/L	Online Hrs.	Choke Size Y/N or PV	THP psi	Casing, psi			Gaslift Well Y	Remarks	Shallow sand	Gas composition		New Perf Well			Ready to Service			Well Activity Today		
		Y / N	Y / N				7	9-5/8	13-3/8				H2S PPM	CO2 %	Y	Growth	Temp	Y	N	N/A	Fail	Fixed	Equipment Details
1	20	Y	Y	N		0	0	0	-	Gas Well			3										
2	44	Y	Y	N		0	0	0	-	Depleted Well			12										
3	19	Y	Y	N		1000	0	0	-	Gas Well			17										
4	18	Y	Y	N		0	0	0	-	Gas Well			11										
5	23	Y	Y	N		700	0	0	-	Gas Well													
6	51	Y	Y	N		0	0	0	-	Depleted Well													
7	32	Y	Y	N		0	0	0	-	Gas Well													
8	33	N	N	-		-	-	-	-	Depleted Well													
9	50	Y	Y	N		0	0	0	-	Gas Well													
10	28	N	N	-		-	-	-	-														
11	22	N	N	-		-	-	-	-	Depleted Well													
12	38	Y	Y	N		0	0	0	-	Gas Well													
13	35	N	N	-		-	-	-	-	Depleted Well													
14	42	N	N	-		-	-	-	-	Depleted Well													
15	30	N	N	-		-	-	-	-	Depleted Well													
16	25	N	N	-		-	-	-	-	Depleted Well													
17	31	N	N	-		-	-	-	-	Depleted Well													
18	40	N	N	-		-	-	-	-	Depleted Well													
19	36	Y	Y	N		0	0	0	-	Depleted Well													
20	39	Y	Y	N		0	0	0	-	Gas Well													

Requirement :
 - CVA หลุมมี F/L ใส่ PV, ส่วนหลุม No Flowline ดูว่ามี CVA อยู่ไหม
 - Pressure Gauge ไม่ได้ติดตั้ง, ถูกถอดออก ให้ใส่ N/A
 - Pressure Gauge อ่านค่าไม่ได้, ขอบเขต ไขว้ ไม่ใส่ ERROR
 - ถ้าไม่มี Item ขึ้นขึ้น ให้ใส่ - (เช่น 13-3/8" ไม่มี)
 - ถ้ามี Tag COG ที่ X-tree / CP-100 ลง Detail ในช่อง Remark

Non-usable well 0 Well
 Depleted Well 11 Well
 Water Injection 0 Well
 Water Flood 0 Well
 Shallow Sand well 0 Well

Comment :

Thermal Wellhead Growth/Expansion Monitoring (For new perforating well after initial putting well on production)

คือ หลุมที่มีลักษณะ X-tree มีการยกตัวซึ่งโดยปกติความสูงจะคงที่ไม่เกิน 6 นิ้ว (ประมาณ 15 เซนติเมตร)

เปรียบเทียบกับ support ของ Flow line เพราะทำให้ Flow line เกิดการ crack

Slot	Well No.	Online Hrs.	Choke	THP psi	Casing Pressure			S/I THP psi	Ready to Service			Fail	Fixed	F/L Temp Deg F	Well Activity Today	Remarks
					7	9-5/8	13-3/8		Y	N	N/A					

Unit				Press psi	Temp deg F	Gas Generator : Lube oil				%	Diesel Generator No.				Fuel	% Lube oil			%	
Test Sep						Wellhead Control Panel : Reservoir					% Return					% Sump pump				
Inlet Receiver R-						HD-32	Drum	%	Platform Water				%	Well in Test				Pump	Normal	Fail
Inlet Receiver R-						15W40	Drum	%	Water Tote tank No.				%	Time start				P1040		
Inlet Receiver R-						5200 SEA40	Drum	%	Diesel Tote Tank No.				%	O/P Size				P1060		
Launcher L-						Chemical		%	Sump Tank level				%	Dry Fire Extinguisher				P2010		
Launcher L-						Chemical		%	FQI C/W					Date inspect						
Zone	Well No.			Time start	Test Hour	Gas (MMscfd)	Condy (BPD)	Water (BPD)	Tubing		Sep Press	Manifold Temp	Choke	CGS Pres	Chart recorder		O/P INCH	Prod /BC	Remarks	
									Initial	Final						Static	Flow	Temp		

Check all DBB Sampling Points were properly capped/plugged

Secured
 Yes No

Remarks

Time

Activity

Platform: YAFE Date: 5 Nov 2025 Operator Name:

ORDC Guideline

1. Record casing pressure of all wells.
2. Confirm the pressure gauge is functioning properly by performing a zero check (Block and Bleed), If Gauge is found in bad condition, record it as 'Damaged' or 'Missing'."
3. If High Casing Pressure (HCP) is observed. *Please inform Production Coordinator (Tel.4653) for investigation and future bleed-down planning.*

HCP Criteria	
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- 7" casing > 400 psi (Monobore wells)
7" casing > 1300 psi (Gas lift wells)
9-5/8" casing and other sizes > 200 psi

Equipment onboard includes: MOT Basket, Toolbox, Nitrogen rack, etc.

Abnormal conditions observed include: Well Sway, Growth Well, Equipment malfunction.

WHP	Slot	Well Name	Well Type	THP	Choke	7" csg	9-5/8" csg	13-3/8" csg	1"VB Gaslift at XT (Close/Open)	1"VB Gaslift Manifold (Close/Open)	GL % Choke	XT (Y/N)	FL (Y/N)	7"csg Common (Y/N)	9-5/8"csg Common (Y/N)	HYD Ctrl Line (Y/N)	Co2 (%)	H2S (PPM)	Gas MMscfd	Oil Bpd	Water Bpd	LWT Choke	LWT Date
YAWE	1	YAWE-10	Source OP	N/A	0	0	10	0	0	0	0	Y	Y	0	0	0	10	10	0.0	0	0	30	18-Oct-23
YAWE	2	-							-	-	-	N	N	N	N	N							
YAWE	3	YAWE-40	Pro OP	1095 1450	18	280	40	0	0	0	0	Y	Y	0	0	0	10	10	1.0	0	0	25	22-Oct-25
YAWE	4	YAWE-47	Source OP	471 N/A	18	0	0	0	0	0	0	Y	Y	0	0	0	10	10	0.0	0	0	22	16-Oct-23
YAWE	5	-							-	-	-	N	N	N	N	N							
YAWE	6	-							-	-	-	N	N	N	N	N							
YAWE	7	-							-	-	-	N	N	N	N	N							
YAWE	8	YAWE-06	S/I OP	19 220	0	0	0	0	0	0	0	Y	Y	0	0	0	10	10	0.0	0	0	70	24-Sep-20
YAWE	9	YAWE-17	Source OP	148 N/A	0	0	0	0	0	0	0	Y	Y	0	0	0	10	10	0.0	0	0	9	13-Oct-25
YAWE	10	-							-	-	-	N	N	N	N	N							
YAWE	11	YAWE-03	Sync OP	115 N/A	1	0	0	0	0	0	0	Y	Y	0	0	0	10	10	0.0	0	0	71	17-May-20
YAWE	12	YAWE-38	Source OP	141 N/A	0	0	0	0	0	0	0	Y	Y	0	0	0	10	10	0.1	216	1	29	18-Oct-23
YAWE	13	YAWE-02	S/I OP	80	0	0	0	0	0	0	0	Y	Y	0	0	0	10	10	0.0	0	0	70	14-Dec-21
YAWE	14	YAWE-22	Source OP	454 N/A	0	0	0	0	0	0	0	Y	Y	0	0	0	10	10	0.0	0	0	70	10-Nov-21
YAWE	15	-							-	-	-	N	N	N	N	N							
YAWE	16	-							-	-	-	N	N	N	N	N							
YAWE	17	YAWE-39	Pro OP	748 760	19	0	0	0	0	0	0	Y	Y	0	0	0	10	10	0.5	23	0	15	22-Oct-25
YAWE	18	-							-	-	-	N	N	N	N	N							
YAWE	19	YAWE-12	Source OP	283 N/A	0	800	50	0	0	0	0	Y	Y	0	0	0	10	10	0.9	248	1465	72	18-Oct-23
YAWE	20	YAWE-19H	Sync OP	13 N/A	0	0	0	0	0	0	0	Y	Y	0	0	0	10	10	0.0	0	0	71	24-Nov-21

Casing Pressure Bleeddown Report

Step 1

- 1.1) Open SCSSV and SSV to monitor TWP.
- 1.2) Record initial pressure of all strings

Step 2

- 2.1) Bleed down HCP to not less than 50 psi
- 2.2) Record the final pressure and bleed down duration on target string.

Step 3

- 3.1) Monitor build-up pressure for 60 minutes.
- 3.2) Record build-up pressure.

[illegible]

Last update :

Reporter: Jirapong M. / Pongsatorn S.

POB count

— SIMOPs lead by :

[illegible]

ภาคผนวก 19

การตรวจสอบข้อขนส่งได้ทะเล

2023 JUFA Pipeline Risk Assessment (TOL Corrosion) Result

Pipeline	From	To	Wall Loss from TOL Corrosion (CO2)	Pipeline Remaining Life	Recommendation	Note
16"CBPLA	CBWA	PMWJ	37%	2032	ILI within Dec-2028 or JUFA work plan (whichever sooner)	ILI in 2023 = 33%
16"YAPLE	YAWA	20"YAPLF-T1	50%	>15 Years	-	- Low corrosion rate due to minimal gas rate
20"YAPLF-T1	20"YAPLF-T1	20"YAPLF-T4	22%	>15 Years	-	- ILI in 2016 = 20% - Minimal corrosion due to minimal gas rate
24"ETPLA	ETWA	PLCPP2 (G1)	< 10%	>15 Years	-	- Low corrosion rate due to minimal gas rate

In-Scope JUFA Platform = JUFA Operating Platform

- CBWA
- ETWA
- YAWA

2025 JUFA Pipeline Risk Assessment (TOL corrosion) Result

Pipeline	From	To	Wall Loss from TOL Corrosion (CO2)	Pipeline Remaining Life	Recommendation	Note
16"CBPLA	CBWA	PMWJ	37%	2036	ILI within Dec-2033 or JUFA work plan (whichever sooner)	ILI in 2023 = 33%