



NOTE 1

TABLE: 1 P-300 OPERATING MODES

	PIC-3004	PAL-3004	PALL-3004	PAH-3004	PAHH-3004	FAH-3004	FAHH-3004	
	PRESSURE	LOW PRESSURE	LOW LOW PRES.	HIGH PRES.	HIGH HIGH PRES.	HIGH FLOW	HIGH HIGH FLOW	
SPEED	CONT. SETPOINT	ALARM	SHUTDOWN	ALARM	SHUTDOWN	ALARM	SHUTDOWN	
RPM	VFD%	kPag	kPag	kPag	kPag	m ³ /d	m ³ /d	
2380	67	7000	6000	5450	7000	7400	154	
2677	75	8700	7550	6850	9000	9400	172	
2975	83	10000	9350	8500	11400	11600	190	
3272	92	12000	11300	10250	12200	12400	210	
3570	100	NO OPERATING RANGE BELOW ALARM						235

P-300 OPERATING MODES NOT CONFIRMED DURING AS-BUILT

P-301
WATER INJ. BOOSTER PUMP

P-302
DRAIN PUMP

F-3005/3006
WATER FILTERS

HS01 290F P/W FROM P/W TANK T-921

PW-210-AS-6" INTERNALLY COATED

PRODUCED WATER TO [WH02] WATER INJ. HEADER [308D]

PW-226-FS-4" INTERNALLY COATED

- NOTES
1. PIPING ON RACK ENCLOSED IN COMMON UTILIDOR.
 2. "Z" IN VALVE TAG DENOTES RAISE FACE DOUBLE BLOCK AND BLEED.
 3. 300 ASME FLANGES AND VALVES TO BE USED ON ALL 2", 3" AND 4" "AS" HCL, HCD AND HCV LINES WHERE POSSIBLE.
 4. DELETED
 5. SEE TABLE 1 FOR PRESSURE AND RATE SETPOINTS, ALARMS AND SHUTDOWNS ASSOCIATED WITH VARIOUS VFD/SPEED SETTINGS FOR P-300

6. P-300 DISCHARGE PRESSURE TO BE LIMITED TO 12,400 kPa TO PREVENT EXCESS PRESSURE TO DOWNSTREAM DISPOSAL WELL.
7. 3/4" ASTM A-269 TP 316/316L TUBING (0.065" WT) ON SEAL FLUSH CONNECTION WITH MAMP 22753 kPag

BH-300
BUILDING HEATER
MAKE: HAZLOC
MODEL:
DUTY: 15kW/480/3/60

EF-311
VENTILATION FAN
CAPACITY: 4248 m³/hr (ACTUAL)
RATING: 0.19 KW 120/1/60 XP

P-300
100 HP WATER INJECTION PACKAGE
MODEL: GE ENERGY SD 0038-157 STAGES
DESIGN CAPACITY: 160 m³/day AT 1550 kPa DIFFERENTIAL
DRIVER: 100HP, 480/3/60, 3600 RPM INVERTER DUTY MOTOR

REFERENCE NUMBER	REFERENCE TITLE
HS01289K	LEGACY DRAWING NUMBER

REV NO	REVISION	DATE	DRN	CKD	DES	LDE	PE
8.A.A	IFA - MOC 6837 DISPOSAL WATER FILTRATION	2017/04/17	KMM	DMS			MSK

PROCESSING FACILITY LSD	ASSET TYPE	PACKAGE NO.
06-17-025-20-W4	COMPRESSOR STATION	
CONSULTANT NAME AND LOGO		
REVISION DESCRIPTION		
ISSUED FOR APPROVAL		
PROJECT NO.		
2016-019		
LSD		
06-17-025-20 W4M		
ISSUE DATE		
2017/04/17		
SCALE		
NTS		
DRAWING NO.		
CONG1-HS-42-PID-00-0049-011		
REVISION NO.		
8.A.A		

TITLE
HUSSAR AREA WATER DISPOSAL PUMP P-300 PIPING AND INSTRUMENTATION DIAGRAM