

PROJECT REF.. _____
 CUSTOMER _____

PROCESS _____
 BY _____ DATE _____

1. TYPE: <input type="radio"/> Wet Screw <input type="radio"/> Dry Screw <input type="radio"/> Reciprocating <input type="radio"/> Centrifugal		Qty. _____	
2. DRIVER: <input type="radio"/> Motor _____ <input type="radio"/> Steam _____		<input type="radio"/> Other _____	
3. GAS ANALYSIS - VOL %			
	MW	Design	Alt 1 Alt.2 CASE 4
Air	28.966		
Oxygen O2	32.000		
Nitrogen N2	28.016		
Water Vap. H2O	18.016		
Carb. Mon. CO	28.010		
Carb. Diox. CO2	44.010		
Hyd. Sulf. H2S	34.076		
Hydrogen H2	2.076		
Methane CH4	16.042		
Ethylene C2H4	28.052		
Ethane C2H6	30.068		
Propylene C3H6	42.078		
Propane C3H8	44.094		
i - Butane C4H10	58.120		
n -Butane C4H10	58.120		
i - Pentane C5H12	72.146		
n- Pentane C5H12	72.146		
Butylene C4H8	56.100		
Ammonia NH3	17.031		
Hyd. Chlor. HCl	36.461		
Chlorine Cl2	70.914		
Hexane Plus			
Other (HEXANE & heavier)			
4. GAS PROPERTIES			
Average Mol. Weight (Wet)			
Cp/Cv Value at Suction			
Cp/Cv Value at Discharge			
Compressibility at Suction			
Compressibility at Discharge			
Relative Humidity,% at Suction	0		
5. CAPACITY			
Mass Flow (Wet) - MMSCFD			
ACFM @ Suction			
6. OPERATING CONDITIONS @ Compressor Flange			
Suction Pressure PSIA			
Suction Temperature Deg.F			
Discharge Pressure PSIA			
Discharge Temperature Deg.F			
Notes:			

GENERAL	
7. MAIN STEAM CONDITIONS	
Inlet _____ PSIG _____ °F	
Back Pressure _____ PSIG	
Condensing _____ in Hg	
Extracting _____ PSIG	
Extr. Rate _____ lb /hr	
8. ELECTRICAL CONDITIONS	
Main Drive:	
_____ VAC _____ PH _____ Hz	
Small Motors / Heaters	
_____ VAC _____ PH _____ Hz	
Controls	
_____ VAC _____ PH _____ Hz	
9. AREA CLASSIFICATION	
Class _____ Div _____ Group D	
Non-Hazardous	
Other	
10. COOLING WATER	
Source <input type="radio"/> Cooling Tower <input checked="" type="radio"/> Other	
Supply Temperature _____ °F	
Supply Pressure _____ PSIG	
Temperature Rise _____ F	
11. SITE DATA	
Altitude _____ FT	
Atmospheric Pressure _____ PSIA	
Design Temperature _____ °F	
Maximum Temperature _____ °F	
Minimum Temperature _____ °F	
12. OIL CARRY-OVER LIMIT	
<input type="radio"/> 0.1 PPMw <input type="radio"/> 1.0 PPMw <input type="radio"/> 5.0 PPBw	
<input type="radio"/> 10.0 PPBw <input type="radio"/> N/A	
13. REMARKS - SPECIAL CONDITIONS	