John M. Campbell & Co.

Major producing/gathering/processing company in the San Jaun Basin.

Exclusive provider of **PetroSkills** facilities training.

2-Stage Compression Data Entry Sheet

Conditions Before Cleaning			
Process Stream	1st Stage	2nd Stage	To Process
Gas Flow, MMSCFD	7.171		
Suction Pressure, psig	54	131	249
Discharge Pressure, psig	131	249	
Suction Temperature, F	55	175	99
Discharge Temperature, F	175	275	
Ambient Temp, F	51		

Conditions After Cleaning		
1st Stage	2nd Stage	To Process
7.171		
60	144	256
144	256	
60	175	91
175	180	
86		

Fixed Parameters	
Elevation	5292
Gas Driver No.	5
Electrical Cost, $/kw-hr	$ -
Fuel Gas Cost, $/MCF	$ 6.00
CO2 Pricing, $/ton	
Cooler Cleaning	$ 1,000
Gas Composition	
Component	Mol %
N2	0.897
CO2	1.200
H2S	0.000
C1	84.954
C2	8.230
C3	2.663
iC4	0.426
nC4	0.610
iC5	0.208
nC5	0.151
C6	0.661
C7	0.000
C8	0.000
C9	0.000
C10	0.000
Total	100.000

Gas Driver Number	Gas Driver Manufacturer	Model
1	Caterpillar	G3406TA
2	Caterpillar	G3408TA
3	Caterpillar	G3412TALE
4	Caterpillar	G3508TALE
5	Caterpillar	G3512TALE
6	Caterpillar	G3516TALE
7	Caterpillar	G3606TALE
8	Caterpillar	G3608TALE
9	Caterpillar	G3612TALE
10	Caterpillar	G3616TALE
11	Cummins	G/GTA5.9
12	Cummins	G/GTA8.3
13	Cummins	G/GTA855
14	Cummins	KTA19
15	Dresser-Rand	412KVSR
16	Dresser-Rand	410KVR
17	Dresser-Rand	510LAD
18	Dresser-Rand	512KVR
19	Dresser-Rand	612TCV
20	Dresser-Rand	612TCVC
21	Waukesha	F18GL

Gas Driver Number	Gas Driver Manufacturer	Model
22	Waukesha	H24GL
23	Waukesha	L36GL
24	Waukesha	P48GL
25	Waukesha	F2895GL
26	Waukesha	F3521GL
27	Waukesha	F3524GSI
28	Waukesha	L5108GL
29	Waukesha	L5790GL
30	Waukesha	L5794GSI
31	Waukesha	L7042GL
32	Waukesha	L7044GSI
33	Waukesha	P9390GL
34	Waukesha	8LAT27GL
35	Waukesha	12VAT27GL
36	Waukesha	16VAT27GL
37	Wartsila	12V34SG-CD

Estimated Results of Cooler Cleaning

Power Savings, $/month	$ -
Fuel Savings, $/month	$ 783
CO2 Emissions Reduction, tons/month	29.25
$ for Lowering CO2 Emissions/month	$ -
*Increased Gas Flow Revenue, $/month	$ -
Total Payout of Cooler Cleaning, in days	39

*- Assuming pipeline & plant capacity available