

--GASCOMP--

GAS PROPERTIES FROM COMPOSITION

WELL NAME:	Test Well #1
FIELD NAME:	

% N2	0.08
% CO2	3.29
% H2S	0.00
% METH	81.52
% ETH	7.55
% PROP	2.95
% IBUT	0.63
% N-BUT	0.78
% IPEN	0.40
% N-PEN	0.27
% N-HEX	0.53

INSTRUCTIONS:

- 1) INPUT APPROPRIATE VALUES INTO HIGHLIGHTED CELLS.
- 2) TO PRINT, PRESS {ALT}{P}.
- 3) NOTE: THE BUBBLE POINT PRESSURE CALCULATION IS VALID ONLY WHEN THERE ARE HEPTANES OR HEAVIER INCLUDED IN THE COMPOSITION.
MOST ANALYSES LUMP ALL REMAINING COMPONENTS INTO HEXANES+ . . . BUT YOU CAN SPREAD THEM OUT AND OBTAIN A BETTER ANALYSIS.

Sheet1

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 Version 1.0
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% N-HEP	2.00	GAS G =	0.7555
% N-OCT	0.00	Tc =	399.47
% N-NON	0.00	Pc =	672.80
% N-DEC	0.00	CWA =	5.05
% O2	0.00	Tc' =	394.43
% H2	0.00	Pc' =	664.30
% He	0.00	NHV =	1124.10
% H2O	0.00	GHVD =	1238.94
		GHVW =	1217.39
% TOTAL	100.00		
TEMP	200 'F		
DEW PT. =	1,824		

T in R	661.00
%C7+	2.00
C7+	0.02000
DENC7+	0.68820
MWC7+	100.20000
A	-0.02062
B	6.62597
C	-0.00447
D	0.00010
E	0.03267
F	-0.00365
G	0.00007
H	-0.11381
I	0.00062
J	0.00000
K	10.74662
L	2.00400
M	145.57606

Sheet1

***** VOLUME WEIGHTED VALUES *****

	GAS Gi	Tci	Pci	NHVi	GHVDi		GAS G
%N2	0.9672	227.3	493	0	0		0.00077376
%CO2	1.5195	547.6	1071	0	0		0.04999155
%H2S	1.1765	672.4	1306	588	637		0
%METH	0.5539	343.04	667.8	909.1	1009.7		0.45153928
%ETH	1.0382	549.76	707.8	1617.8	1768.8		0.0783841
%PROP	1.5225	665.68	616.3	2316.1	2517.4		0.04491375
%IBUT	2.0068	734.65	529.1	3001.1	3252.7		0.01264284
%N-BUT	2.0068	765.32	550.7	3010.4	3262.1		0.01565304
%IPEN	2.4911	828.77	490.4	3698.3	4000.3		0.0099644
%N-PEN	2.4911	845.4	488.6	3707.5	4009.5		0.00672597
%N-HEX	2.9753	913.4	436.9	4403.7	4756.1		0.01576909
%N-HEP	3.4596	972.5	396.8	5100.2	5502.9		0.069192
%N-OCT	3.9439	1023.89	360.6	5796.7	6249.7		0
%N-NON	4.4282	1070.35	332	6493.3	6996.6		0
%N-DEC	4.9125	1111.8	304	7188.6	7742.3		0
%O2	1.1048	278.6	736.9	0	0		0
%H2	0.0696	59.9	188.1	274	324		0
%He	0.138	9.5	33.2	0	0		0
%H2O	0.622	1165.3	3208	0	0		0
							0.75554978

Tci	Pci	NHVi	GHVDi
0.18184	0.3944	0	0
18.01604	35.2359	0	0
0	0	0	0
279.646208	544.39056	741.09832	823.10744
41.50688	53.4389	122.1439	133.5444
19.63756	18.18085	68.32495	74.2633
4.628295	3.33333	18.90693	20.49201
5.969496	4.29546	23.48112	25.44438
3.31508	1.9616	14.7932	16.0012
2.28258	1.31922	10.01025	10.82565
4.84102	2.31557	23.33961	25.20733
19.45	7.936	102.004	110.058
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
399.474999	672.80179	1124.10228	1238.94371

/PPR{BS}A1..J20~AGPQ