

RH_28-2
Gas Well Back Pressure Test
 RRC form G-1
 programs\fourptNM

Well name: **Red Hills 28-2**

Field: **Red Hills**

WELL DATA

Gas Gravity	Gg	0.696			CO2% :	0.2
API Oil	Gc	54.8	deg API >	0.760 spg	N2% :	1.9
GOR	GOR	44600	scf/bbl			
Gravity of mix	Gm	0.761		note V1 =	763.12	
Tbg ID	ID	2.323	"			
SITP psig	Pw	7410	7423.2 psia			
Barometric Pres >		13.2				
Length of tbg	L	13521				
True Vert depth	H	13521	L/H >	1.000		
BH Temp	Ts	186	deg F >	646 deg R		
Temp WH	Tw	70	deg F >	530 deg R		

Table X

Critical P & T (@ Gm)

			table IX	CO2	N2
Tc	405		411	0	8
Pc	664		667	0	3

Critical P & T (@ Gg)

Tc	386		392	0	6
Pc	665		668	0	3

	line x orifice size x size	static pressure	Diff hw	Temp deg F	FTP psig	Temp deg F
1	6 x 2.75	28.8	7.5	72	6910	72
2	6 x 2.75	34.8	17.0	78	6340	98
3	6 x 2.75	44.8	33.0	80	5270	98
4	6 x 2.75	50.8	54.0	82	3950	94

Table I

	Coefficient	hwPm ^{0.5}	Pm	Ftf	Fg	Fpv	Q
1	36.99	17.7	42	0.9887	1.19866	1.005	782
2	36.99	28.6	48	0.985	1.19866	1.005	1254
3	36.99	43.7	58	0.9813	1.19866	1.005	1913
4	36.99	58.8	64	0.9795	1.19866	1.005	2566

	Pr	deg R	Tr	Z (tbl XI)
1	0.06	532	1.38	0.990
2	0.07	536	1.39	0.990
3	0.09	540	1.40	0.990
4	0.10	542	1.40	0.990

	Pt ²	Pw ²	Pc ² - Pw ²
1	47930.7	47951.8	7152.1
2	40363.2	40410.9	14693.0
3	27912.2	28023.7	27080.2
4	15707.0	15867.3	39236.6

Pc **7423.2** Pc² **55103.9**

