

CALCULATION SHEET FOR INCLINED FLOW EQUATION RATE NO. 2

COMPANY Jake L. Ramon LEASE N. E. Lynch Unit WELL NO. 1 DATE 6-14-63
 FLOW STRING 1.995 P_r .018 Q 2.807M²cfd G .974 C_{O2} .40 % N_2 .71 % Cr. PRESS. 659 Cr. TEMP. 482
 I.D.

STATS COUNTY RECORDS																
H	P	Pr	T	Tr	Z	P/Z	A	B	C	I	M	N				
							P/TZ	$\frac{(P/TZ)^2}{1000}$	$(L/H)F^2$	B + C	$\frac{A}{B + C}$	$\frac{37.5GH}{210rN}$	I + I	M x N	(M x N)	37.5GH
0	2348	3.562	542	1.124	.506	4640	8.560	.073	.003	.076	112.631					
1	4561	6.921	633	1.313	.883	5165	8.159	.067	.003	.070	116.557	2213	229.188	501.464	(+2971)	498,493
3,648	4523	6.863	633	1.313	.878	5151	8.137	.066	.003	.069	117.927	2175	230.558	498,493		
3,648	4510	6.843	633	1.313	.876	5148	8.132	.066	.003	.069	117.855	2162	230.486	498,311	(-182)	498,493
3,648	4511											2163				

CALCULATION SHEET FOR STATIC COLUMN PRESSURES

RATE NO. 2

G .676 C_{O2} .40 % N_2 .71 Cr. PRESS. 669 Cr. TEMP. 384

							I			M		N		M x N		(M x N)				
H	P	P _r	T	T _r	Z	TZ	TZ/P	$\frac{.0375GH}{2I \text{ or } N}$		I + I										
13,648	4511	6.742	633	1.648	.930	588.690	.130											.0375GH		
0	3180	4.753	542	1.411	.746	404.332	.127	1331		.257								0		
0	3165	4.730	542	1.411	.745	403.790	.127	1346		.257								0		
																	345.977			

CALCULATION SHEET FOR INCLINED FLOW EQUATION RATE NO. 4

COMPANY Jake L. Hamon LEASE M. E. Lynch Unit WELL NO. 1 DATE 6-14-63
 FLOW STRING 1.995 P_r .018 Q 1.769 $M^2 cfd$ G .974 CO_2 .40 % N_2 .71 % Cr. PRESS. 659 Cr. TEMP. 482
 I.D.

H	P	P _r	T	T _r	Z	P/Z	P/TZ	A	B	C	B + C	I	M	N	M x N	(M x N)
							$\frac{(P/TZ)^2}{1000}$			$(L/H)^{PZ}$		$\frac{A}{B+C}$	$\frac{37.5GH}{210rN}$	I + I		
0	3639	5.522	542	1.124	.731	4978	9.184	.084	.001	.085	108.047					
13,648	5946	9.022	633	1.313	1.066	5578	8.812	.078	.001	.079	111.544	2307	219.591			498,493
13,648	5909	8.966	633	1.313	1.062	5564	8.789	.077	.001	.078	112.679	2270	220.726			498,493
13,648	5897	8.948	633	1.313	1.060	5563	8.788	.077	.001	.078	112.666	2258	220.713			498,493
13,648	5898											2259				

CALCULATION SHEET FOR STATIC COLUMN PRESSURES

RATE NO. 4

G .676 CO_2 .40 % N_2 .71 Cr. PRESS. 669 Cr. TEMP. 384

H	P	P_r	T	T_r	Z	TZ	TZ/P	I	M	N	M x N	(M x N)
13,648	5898	8.816	633	1.648	1.053	666.549	.113					345.977
0	4367	6.527	542	1.411	.867	469.914	.107	1531	.220			0
0	4325	6.464	542	1.411	.862	467.204	.108	1573	.221	347.630	(+1653)	0
0	4332	6.475	542	1.411	.863	467.746	.107	1566	.220	344.520	(-1457)	0
0	4325							1573				