

4/1/16

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PRESSURE (P_f & P_s)
(P_e & P_w)

(SUBSURFACE)
(SURFACE)

WORK SHEET FOR STEPWISE CALCULATION

COMPANY Marine Control LEASE 9/1/16 WELL NO. 1 DATE 11/23/76

LOCATION: Unit G Section 24 Township 230 Range 230

L 11/91 H 11/91 L/H 1000 G 588 % CO₂ 0 % N₂ 0 % H₂S 0

d 0.0001 F_r 0.0001 Q_m 8.067 M²cfd (L/H) (F_rQ_m)² 0.007539 P_{CT} 672 T_{CT} 354

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	55005		11191						
2	GH		0	3990.2		6580.3						
3	37.5GH		0	123381		246762						
4	P _c or P _n		1210.2	1549.0	1549.5	1889.2	1891.6					
5	P _r		1.80	2.31	2.31	2.81	2.81					
6	T		534	590	590	646	646					
7	T _r		1.51	1.67	1.67	1.82	1.82					
8	Z		1837	.882	.882	.899	.899					
9	P/Z P/Z	4÷8	1445.9	1256.2	1256.8	2101.4	2104.1					
10	P/TZ	9÷6	2.707	2.9767	2.9777	3.2520	3.2520					
11	(P/TZ) ² /1000	(10) 2/1000	.007331	.008861	.008867	.010582	.010609					
12	L/H(F _r Q _m) ²		.007539	.007539	.007539	.007539	.007539					
13		11÷12	.014870	.016400	.016406	.018121	.018148					
14	I _n	10÷13	182.081	181.510	181.503	179.515	179.479					
15	M=P _n -P _{n-1}			329	339	340	342					
16	N=I _n +I _{n-1}			363.591	363.594	361.018	360.982					
17	M x N	15x16			123255		123456					
18	Σ (M x N)	Σ 17			123507							