

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_c & P_w)

2nd

Form C-122-E
Adopted 9-1-65

COMPANY Retroleum Development Corp. Ltd. McKay Fed. WELL NO. 2 DATE 5/13/78

LOCATION: Unit G Section 10 Township 19 Range 32

L 12720 H 12720 L/H 1.000 GMA .740 % CO₂ % N₂ % H₂S
d. 1.995 F_r .01823 q_m .444 M² cfd (L/H) (F_r q_m)² .000066 P_{cr} 667 T_{cr} 405
TABLE IX 3 & TABLE IX 8 &

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6.360		12720						
2	GH		0	4706.4		9416.8						
3	37.5GH		0	176490		352780						
4	P _c or P _n		2302.2	2911.3	2882.3	3452.1	3422.6		P _s =	3411.3		
	P _r		3.46	4.36	4.32	5.18	5.13					
6	T		534	597.5	597.5	661	661					
7	T _r		1.32	1.48	1.48	1.63	1.63					
8	Z		1.632	785	784	852	851					
9	P/Z P/Z	4/8	3650.6	3708.7	3676.4	4051.7	4021.9					
10	P/TZ	9/6	6.8364	6.2070	6.1529	6.1297	6.0846					
11	(P/TZ) ² /1000	(10/2)/1000	.046736	.038527	.037858	.037523	.037022					
12	L/H(F _r q _m) ²		.000066	.000066	.000066	.000066	.000066					
13		11 + 12	.0446802	.038593	.037924	.037639	.037088					
14	I _n	10 + 13	146.071	160.834	162.244	162.857	164.059					
15	M=P _n -P _{n-1}		604	575	570	540						