

15E

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_g & P_w)

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

COMPANY Morris Comwell LEASE Shadler 9000 WELL NO. 1 DATE 11/23/76
LOCATION: Unit C Section 24 Township 20 Range 27

L 11191 H 11191 L/H 1.000 G .588 % CO₂ _____ % N₂ _____ % H₂S _____
d 2.441 F_r .010763 Q_m 4.231 M²cfd (L/H) (F_rQ_m)² .002074 P_{cr} 672 T_{cr} 354

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5595.5		11191						
2	GH		0	3990.2		6580.3						
3	37.5GH		0	123381		246768						
4	P _c or P _n		2558.2	2961.2	2951.4	3343.7	3300.7					
5	P _r		3.81	4.41	4.39	4.98	4.95					
6	T		534	590	590	646	646					
7	T _r		1.51	1.67	1.67	1.82	1.82					
8	Z		1.773	.855	.855	.912	.911					
9	P/Z P/Z	4÷8	3309.4	3463.4	3451.9	3666.3	3653.9					
10	P/TZ	9÷6	6.1975	5.8701	5.8508	5.6754	5.6562					
11	(P/TZ)2/1000	(10) 2/1000	.038419	.034458	.034231	.032910	.031992					
12	L/H(F _r Q _m) ²		.002074	.002074	.002074	.002074	.002074					
13		11÷12	.040483	.036532	.036305	.034284	.034066					
14	I _n	10÷13	153.091	160.684	161.155	165.518	166.034					
15	M=P _n -P _{n-1}			403	393	392	377					
16	N=I _n +I _{n-1}			313.775	314.246	326.697	327.189					
17	M x N	15x16			123499		123350					
18	Σ(M x N)	Σ17			123263							