

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

2 nd.
Form C-122-E
Adopted 9-1-65

COMPANY SOUTHERN UNION LEASE STATE 17 WELL NO. # 1 DATE 04-13-80
LOCATION: Unit F Section 17 Township 14s Range 36e
L 13125 H 13125 L/H 1.000 G mix .731 % CO₂ 3.543 % N₂ 3.285 % H₂S _____
d 1.995 F_{ro} .01823 .907 M₂ cid (L/H) (F_{ro})² .000520 P_{cr} 675 T_{cr} 387
TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6562.5		13125						
2	GH		0	4797.2		9594.4						
3	37.5GH		0	179894		359789						
4	P _{ro} or P _n		2473.2	3069.6	3058.9	3643.2	3624.8		Ps =	3622.7		
5	P _r		3.67	4.55	4.54	5.40	5.38					
6	T		534	599.5	599.5	665	665					
7	T _r		1.38	1.55	1.55	1.72	1.72					
8	Z		.707	.811	.810	.893	.892					
9	P/Z P/Z		3498.2	3784.9	3776.4	4079.7	4063.8					
10	P/TZ		6.551	6.314	6.300	6.135	6.111					
11	(P/TZ) ² /1000	(10) ² /1000	042914	.039860	.039680	.037637	.037343					
12	L/H(F _{ro}) ²		.000520	.000520	.000520	.000520	.000520					
13		I ₁ + I ₂	.043439	.040380	.040200	.038157	.037863					
14	I _n	I ₀ + I ₃	150.824	156.352	156.698	160.782	161.396					
15	M = P _n - P _{n-1}			596	585	584	565					
16	N = I _n + I _{n-1}			307.176	307.522	317.480	318.094					
17	M x N	15 x 16			180096							
18	Σ (M x N)	Σ I ₇			179692							