

FLUID REMOTE NO 4

No = 3961

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

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

COMPANY P-B LEASE NEITH 4000 WELL NO. 3 DATE 11-22-66

LOCATION: Unit E Section 5 Township 24 S Range 55 E

L 11.553 H 11.553 L/H 1.00 G 0.648 % CO₂ 0.05 % N₂ 0.70 % H₂S 0.5
 T₁ 535 d 1.225 F_r 0.0221 Q_m 222.234 M²ctd (L/H) (F_rQ_m)² P_{ct} 6.70 T_{ct} 773
 8.218

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		11.553	56.06.5		0						
2	GH		7.292	76.46		0						
3	37.5GH		273.456	126.705		0						
4	P _c or P _n	8.71	57.56	450.1	449.2	39.27	39.14	39.07				
5	P _r		7.55	6.72	6.70	5.86	5.63	5.63				
6	T		6.095	5.83	5.83	5.38	5.22	5.38				
7	T _r		1.68	1.56	1.56	1.44	1.44	1.44				
8	Z		.990	.919	.918	.833	.831	.831				
9	P/Z P/Z	4-8	510.61	419.27	459.52	471.43	476.64	470.16				
10	P/TZ	9-6	5.132	8.466	8.393	8.762	8.736	8.739				
11	(P/TZ) ² /1000	(10) 2/1000										
12	L/H(F _r Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ - I ₃	1.22	1.19	1.19	1.14	1.14	1.14				
15	M = P _n - P _{n-1}			55.5	56.4	56.5	58.6	58.5				
16	N = I _n + I _{n-1}			242.017	240.116	233.275	233.614	233.575				
17	M x N	I ₅ x I ₆			136.553							
18	Σ (M x N)	Σ I ₇	273.456		136.553							