

WORK SHEET FOR STEPWISE CALCULATION

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

2nd

(XXXXXXXXXX) PRESSURE (P_c & P_w)
(SURFACE)

(XXXXXXXXXX)

2-24--83

COMPANY Aminole USA, Inc. LEASE Federal 19-1 WELL NO. 1 DATE 2-24--83

LOCATION: Unit 19 Section 19 Township 19s Range 33e

L 13089 H 13089 L/H 1.000 G .7319 % CO₂ 5.002 % N₂ .607 % H₂S

d 2.441 F_r 010763 Q_m 0 M²cfd (L/H) (F_rQ_m)² 0 P_{cr} 689 T_{cr} 392

TABLE 13.3.3

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13089	6545		0						
2	GH		9580	4789.9		0						
3	37.5GH		359244	17622		0						
4	P _c or P _n		3775.9	3206.8	3190.1	2606.5	2568.7	2572.6		Pw-2573.3		
5	P _r		5.48	4.65	4.63	3.78	3.73	3.73				
6	T		665	599.5	599.5	534	534	534				
7	T _r		1.70	1.53	1.53	1.36	1.36	1.36				
8	Z		.896	.796	.795	.679	.678	.678				
9	P/Z P/Z	4-8	4214.2	4028.6	4012.7	3838.7	3788.6	3794.4				
10	P/TZ	9-5	6.3371	6.7199	6.6934	7.1886	7.0948	7.1057				
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	157.801	148.812	149.400	139.109	140.948	140.731				
15	M = P _n - P _{n-1}			569	586	584	621	617				
16	N = I _n + I _{n-1}			306.613	307.201	288.510	290.348	290.131				
17	M x N	I ₅ x I ₆			179966			179144				
18	Σ (M x N)	Σ I ₇			179278							