

(SUBSURFACE) PRESSURE (P₁ & P₂)
~~XXXXXX~~

WORK SHEET FOR STEPWISE CALCULATION

COMPANY Aminole USA, Inc. LEASE Fed19-1 WELL NO. 1 DATE 2-24-83

LOCATION: Unit 13089 H 13089 L/H 1.000 G .7319 % CO₂ 5.002 % N₂ .607 % H₂S
Section 19 Township 19s Range 33e
 $d = 2.441 \cdot F_r \cdot 0.10763 \cdot 2.97 \cdot M^2 \cdot cfd \cdot (L/H) \cdot (F_r \cdot Q_m)^2 \cdot 0.000010 \cdot P_{cr}$ TABLE IS A. TABLE IS B. 392

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	6545		13089						
2	GH		0	4789.9		9580						
3	37.5GH		0	17962.2		359244						
4	P _c or P _n		1853.2	2313.1	2307.6	2760.9	2748.9		Ps-2748.2			
5	P _r		2.69	3.36	3.35	4.01	3.99					
6	T		534	599.5	599.5	665	665					
7	T _r		1.36	1.53	1.53	1.70	1.70					
8	Z		.678	.772	.772	.856	.856					
9	P/Z P/Z	4-8	2733.3	2996.2	2989.1	3225.3	3211.3					
10	P/TZ	9-6	5.1186	4.9979	4.9860	4.8501	4.8290					
11	(P/TZ) ² /1000	(10) ² /1000	.026200	.024979	.024860	.023524	.023319					
12	L/H(F _r Q _m) ²		.000010	.000010	.000010	.000010	.000010					
13		I ₁ + I ₂	.026210	.024989	.024870	.023534	.023329					
14	I _n	I ₀ + I ₃	195.292	200.003	200.483	206.091	206.995					
15	M = P _n - P _{n-1}			460	454	453	441					
16	N = I _n + I _{n-1}			395.294	395.775	406.574	407.479					
17	M x N	I ₅ x I ₆			179841		179803					
18	Σ (M x N)	Σ I ₇			179403							