

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

2nd

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

COMPANY MESA PETROLEUM LEASE JOG STATE COM. WELL NO. # 1 DATE 1-18-80

LOCATION: Unit L Section 2 Township 24S Range 33E

L 13,250 H 13,250 L/H 1.000 G mix 1.322 % CO₂ .336 % N₂ 2.006 % H₂S

d 1.995 F, 01823 Q_m M₂ c/d (L/H) (F₁ Q_m)² P_{ci} 650 T_{ci} 537

TABLE IS 5 A

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		13,250	6625		0						
2	GH		17516	8758		0						
3	37.5GH		656868	328,434		0						
4	P _c or P _n		6653.4	5267.8	5244.4	3836.8	3768.8	3770.2	P _w = 3777.0			
5	P _r		10.24	8.10	8.07	5.90	5.80	5.80				
6	T		666	600	600	534	534	534				
7	T _r		1.24	1.12	1.12	1.00	1.00	1.00				
8	Z		1.184	1.006	1.002	.775	.763	.763				
9	P/Z or P/Z	$\bar{4} \div \bar{8}$	5619.4	5236.4	5233.9	4949.8	4939.4	4941.4				
10	P/TZ	$\bar{9} \div \bar{6}$	8.438	8.727	8.723	9.269	9.250	9.253				
11	(P/TZ) ² /1000	($\bar{10}$) ² /1000										
12	L/H(F ₁ Q _m) ²											
13		$\bar{11} + \bar{12}$										
14	I _n	$\bar{10} \div \bar{13}$	118.517	114.583	114.636	107.834	108.110	108.067				
15	M=P _n -P _{n-1}			1386	1409	1408	1476	1474				
16	N=I _n +I _{n-1}			233.099	233.153	222.520	222.746	222.703				
17	M x N	$\bar{15} \times \bar{16}$			328509			328,295				
18	Σ (M x N)	Σ $\bar{17}$			328359							