

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

3rd

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

COMPANY Cities Service Oil Co. LEASE State CP WELL NO. #1 DATE 8/23/74

LOCATION: Unit J Section 9 Township 21S Range 27E

13852 H 13859 LM 1000 G 1589 % CO₂ 0 % N₂ 0 % H₂S 0
 d 2441 F₁ 0.010863 Q_m 0 M₂cid (L/H) (F₁Q_m)² 0 P_{cr} 672 T_{cr} 354
TABLE IX 8 F TABLE IX 8 F

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		18852	6956		0						
2	GH		815883	420441		0						
3	37.5GH		306966	153992		0						
4	P _c or P _n		3962.0	3529.2	2519.8	4050.5	3014.0	3017.2				
5	P ₁		5190	5.97	5.34	4.58	4.49	4.49				
6	T		793	6.28	6.97	5.34	5.34	5.34				
7	T ₁		204	1.97	1.97	1.51	1.51	1.51				
8	Z		.922	.920	.910	1.793	1.290	1.290				
	P/Z, P/Z		4639.9	3292.0	3825.9	3812.0	3815.2	3819.9				
10	P/TZ	9.6	45955	61257	1.0922	7.2603	7.1441	7.1534				
11	(P/TZ)/1000 (H) 2/1001											
12	L/H(F ₁ Q _m) ²											
13		I ₁ + I ₂										
14	I _n	10 + I ₃	178.711	163.246	164.144	137235	139.666	139.792				
15	M = P _n - P _{n-1}		4.28	4.47	4.47	4.45	506	509				
16	N = I _n + I _{n-1}		341.962	248.810	301.879	304.110	303.938					
17	M x N	15 x 16			153.253			159.477				
18	Σ(M x N)	ΣI ₇			159.688							

One copy to be filed in District Office (work copy acceptable)