

WORK SHEET FOR STEPWISE CALCULATION  
 (SUBSURFACE) PRESSURE (P<sub>t</sub> & P<sub>s</sub>)  
 (SURFACE) (P<sub>c</sub> & P<sub>w</sub>)

Form: 1221  
 A (revised 9-1-6)

COMPANY Shell Oil Co. LEASE Boyle Frates Co. Tr. WELL NO. 8 DATE 1-9-66

LOCATION: Unit G Section 5 1 well: 225 Range 23E

L 6951 H 6460 LM 10 I 656 J 0 K 0 M 0 N 0 O 0 P 0 Q 0 R 0 S 0 T 0 U 0 V 0 W 0 X 0 Y 0 Z 0  
 d 1.995 F<sub>1</sub> 60230m 0.763 M<sub>1</sub> 0.810 P<sub>1</sub> 6.26 Q<sub>1</sub> 0.5523 R<sub>1</sub> 6.26 S<sub>1</sub> 0.5523 T<sub>1</sub> 0.5523 U<sub>1</sub> 0.5523 V<sub>1</sub> 0.5523 W<sub>1</sub> 0.5523 X<sub>1</sub> 0.5523 Y<sub>1</sub> 0.5523 Z<sub>1</sub> 0.5523

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H			3150	3450	1400	6900					
2	GH			2263.2	2263.2	4526.4	4526.4					
3	37.5GH		0	81870	84810	169740	169740					
4												
5			2610.2	2499.4	25010	2932.9	293.9					
6			50878	3.73	3.733	4.316	4.316					
7	T <sub>1</sub>		537	563	563	589	587					
8			1432	1507	1507	1571	1571					
9	P <sub>1</sub>		1725	0.772	1.772	0.813	1.813					
10	P <sub>2</sub>		2843.6	222.5	3237.6	3600.2	3600.2					
11	P <sub>3</sub>		5.295	5.56	5.754	6.123	6.123					
12	L <sub>1</sub>		0.2873	0.3366	0.3811	0.3749	0.3749					
13	L <sub>2</sub>		0.15523	0.15523	0.15523	0.15523	0.15523					
14	L <sub>3</sub>		0.15523	0.15523	0.15523	0.15523	0.15523					
15	L <sub>4</sub>		0.15523	0.15523	0.15523	0.15523	0.15523					
16	M <sub>1</sub>		98561	9815	9813	9212	9117					
17	M <sub>2</sub>		422.231	430.188	430.88	430.88	430.88					
18	Σ (M <sub>1</sub> & M <sub>2</sub> )		197011	546.99	195.36	195.36	195.36					
					84801		84155					
					84861		169746					

**WORK SHEET FOR STEPWISE CALCULATION**  
 (SUBSURFACE) PRESSURE (P<sub>f</sub> & P<sub>s</sub>)  
 (SURFACE) (P<sub>c</sub> & P<sub>w</sub>)

Form 0-1221  
 Adopted 9-1-61

COMPANY \_\_\_\_\_ LEASE \_\_\_\_\_ WELL NO. \_\_\_\_\_ DATE \_\_\_\_\_  
 LOCATION: Unit \_\_\_\_\_ Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
 L \_\_\_\_\_ H \_\_\_\_\_ L/H \_\_\_\_\_ G \_\_\_\_\_ % O<sub>2</sub> \_\_\_\_\_ % H<sub>2</sub>S \_\_\_\_\_  
 d \_\_\_\_\_ Fr \_\_\_\_\_ O<sub>m</sub> 8.763 M<sub>2</sub> d<sub>10</sub> (1-10) (1-10) \_\_\_\_\_  
 P<sub>ci</sub> TABLE IX B. 1 T<sub>cr</sub> TABLE IX B. 1

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		6900	3450	2450	0						
2	GH		4526.4	2263.2	2263.2	0						
3	37.5GH		169740	84870	84870	0						
4	P <sub>1</sub> or P <sub>n</sub>		2931.9	2672.1	2672.2	2412.8	2411.2					
5	P <sub>1</sub>		4376	3988	3988	3601	3599					
6	T		589	563	563	537	537					
7	T <sub>r</sub>		1571	1501	1501	1392	1432					
8	Z		813	776	776	726	6726					
9	P <sub>1</sub> or P <sub>n</sub>	4-8	3666.2	3443.4	3443.6	3323.4	3321.6					
10	P <sub>1</sub> or P <sub>n</sub>	9-6	6123	6116	6117	6189	6185					
11	(P <sub>1</sub> or P <sub>n</sub> ) / 2 / 1000	(10) / 2 / 1000										
12	L <sub>n</sub> (H <sub>n</sub> / P <sub>1</sub> ) <sup>2</sup>											
13		11 + 12										
14	L <sub>n</sub>	10-13	163.318	163.505	163.478	161.576	161.681					
15	M = P <sub>n</sub> - P <sub>n-1</sub>			257.8	257.7	259.41	266.95	266.56				
16	N = L <sub>n</sub> + L <sub>n-1</sub>			326.813	326.985	325.651	325.154					
17	M x N	15 x 16			84917		84856					
18	Σ (M x N)	Σ 17	164940		84923							

2411.2  
 One copy to be filed in District Office (Work copy accepted)