

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_f & P_s)
(SURFACE) (P_f & P_s)

COMPANY Consolidated Oil & Gas, LEASE Staver Navajo Inc. WELL NO. 1 DATE 6/27/75

LOCATION: Unit C Section 34 Township 27N Range 18W

L 5561 H 5561 L/H 1.000 G 0.928 % CO₂ 0.56 % N₂ 93.4 % H₂S 0

d 1.995 F_r 0.0231 Q_m 3.191 M²cfd (L/H) (F_rQ_m)² .003384 P_{CT} 505 T_{CT} 212

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	3280.5					6561			
2	GH		0	3044.30					6088.61			
3	37.5GH		0	114,151					228,323			
4	P _c or P _n		285	682	576	591	588	589	892	818	820	
5	P _f		.56	1.35	1.14	1.17	1.16	1.17	1.77	1.62	1.62	
6	T		543	569.5	569.5	569.5	569.5	569.5	596	596	596	
7	T _f		2.56	2.69	2.69	2.69	2.69	2.69	2.81	2.81	2.81	
8	Z		.997	.999	.999	.999	.999	.999	1.004	1.003	1.003	
9	P/Z	4÷5	285.9	682.7	576.6	591.6	588.6	589.6	888.4	815.6	817.5	
10	P/TZ	9÷6	.5265	1.1988	1.0125	1.0388	1.0335	1.0353	1.4906	1.3685	1.3716	
11	(P/TZ) ² /1000	(10) 2/1000	.0002772	.001437	.001025	.001079	.001068	.001072	.002222	.001873	.001881	
12	L/H(F _r Q _m) ²		.003384	.003384	.003384	.003384	.003384	.003384	.003384	.003384	.003384	
13		11+12	.0036612	.004821	.004409	.004463	.004452	.004456	.005605	.005257	.005265	
14	I _n	10÷13	143.805	249.652	229.644	232.758	232.143	232.338	265.894	260.320	260.513	
15	M=P _n -P _{n-1}			397	291	306	303	304	303	229	231	
16	N=I _n +I _{n-1}			392.467	373.449	376.563	375.948	376.143	498.232	492.658	492.851	
17	M x N	15x16						114,347			113,849	
18	Σ (M x N)	Σ 17						114,347			228,196	

WORK SHEET FOR STEPWISE CALCULATION

Form C-122E
Adopted 9-1-65

COMPANY Consolidated Oil & Gas, Inc. LEASE Staver Navajo WELL NO. 1 DATE 6/27/75

LOCATION: Unit 6561 Section 34 Township 27N Range 18W

L 6561 H 6561 L/H 1.000 G 0.928 % CO₂ 0.56 % N₂ 93.4 % H₂S 0

d 1.995 F_r 0.018231 Q_m 3.191 M²cfd (L/H) (F_rQ_m)² .003384 P_{Cr} 505 T_{Cr} 212

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		6561	3280.5		0						
2	GH		6088.61	3044.30		0						
3	37.5GH		228,323	114,161		0						
4	P _c or P _n		820	742	744	667	671					
5	P _r		1.62	1.47	1.47	1.32	1.33					
6	T		596	569.5	569.5	543	543					
7	T _r		2.81	2.69	2.69	2.56	2.56					
8	Z		1.003	.999	.999	.994	.994					
9	P/Z	4÷8	817.5	742.7	744.7	671.0	675.1					
10	P/TZ	9÷6	1.3716	1.3041	1.3076	1.2357	1.2433					
11	(P/TZ) ² /1000 (10 ³ 2/1000)											
12	L/H(F _r Q _m) ²											
13	i ₁ + i ₂											
14	I _n	15÷13	729.076	766.812	764.760	809.258	804.311					
15	M=P _n -P _{n-1}			78	76	77	73					
16	N=I _n +I _{n-1}			1495.888	1493.836	1574.018	1569.071					
17	M x N	15 x 16			113,532		114,542					
18	Σ (M x N)	Σ 17	228,323		114,791							

JUL 24 1975
OIL CON. COM.
DIST. 3