

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) (SURFACE) PRESSURE (P_f & P_s) (P_c & P_m)

Form C-122E
Adopted 9-1-65

COMPANY Shelly Oil LEASE Lower Jim Unit WELL NO. 1 DATE 12-23-72

LOCATION: Unit H Section 20 Township 25 Range 36

L 16.449 H 16.449 L/H 1.000 G .719 % CO₂ 1.00 % N₂ 1.00 % H₂S 0.25

d 5.441 F_r .20263 Q_m 3657 M²cfd (L/H) (F_rQ_m)² .201549 P_{cr} 671 T_{cr} 391

TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	8224.5			16449					
2	GH		0	5913.42			11826.8					
3	37.5GH		0	224753			443506					
4	P _c or P _n		3303.2	4263.2	4236.2	4220.2	5156.2	5109.2	5106.2			
5	P _r		4.92	6.35	6.31	6.30	7.68	7.61	7.61			
6	T		527	602.5	600.5	600.5	676	676	676			
7	T _r		1.35	1.54	1.54	1.54	1.73	1.73	1.73			
8	Z		.737	.893	.891	.891	1.005	1.002	1.002			
9	P/Z		4482.0	4779.6	4779.9	4777.7	5130.5	5049.0	5096.0			
10	P/TZ		6.4756	7.1037	7.0837	7.0800	7.5846	7.5429	7.5385			
11	(P/TZ) ² /1000	(10) ² /1000	.071745	.060468	.062153	.062094	.057602	.056895	.056829			
12	L/(H(F _r Q _m) ²)		.003349	.002809	.002849	.002849	.002549	.002549	.002549			
13			.008334	.064334	.063702	.063643	.059151	.058444	.058378			
14	I _n	I ₀ -I ₃	115.434	122.165	123.759	123.615	128.310	129.061	129.133			
15	M=P _n -P _{n-1}			960		927	926	879	876			
16	N=I _n +I _{n-1}			233		329	325	458	448			
17	M x N	15x16				22,509						
18	Σ (M x N)	Σ I ₇										

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FEB 25 1972

OIL CONSERVATION COMM.
HOBBES, N. M.