

WORK SHEET FOR STEPWISE CALCULATION

(SUBSURFACE) PRESSURE (P_c & P_w)
(SURFACE)

Form C-122E
Adopted 9-1-65

1st Flow - P_{avg}

COMPANY Shelly LEASE West IN 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 2,441 F_r 0.0763 Q_m 0 M₂old (L/H) (F_rQ_m)² 0 P_{CT} 671 T_{CT} 391
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		16,449	8229.5			0					
2	GH		11,826.8	5913.42			0					
3	37.5GH		1143,506	261,753			0					
4	P _c or P _n		5346.2	4487.2	4468.2	4469.2	3592.2	3539.2	3542.2			
5	P _r		7.97	6.69	6.66	6.66	5.35	5.27	5.28			
6	T		676	605	605	605	534	534	534			
7	T _r		1.73	1.55	1.55	1.55	1.37	1.37	1.37			
8	Z		1.021	.915	.914	.914	.791	.766	.767			
9	P/Z		5226.0	41909.0	4888.6	4889.7	4659.1	4620.4	4618.3			
10	P/TZ		7.7459	8.1059	8.0804	8.0822	8.7250	8.6524	8.6484			
11	(P/TZ) 2/1000	(10) 2/1000										
12	L/H(F _r Q _m) ²											
13		I ₁ + I ₂										
14	I _n	I ₀ ÷ I ₃	129,141	123,368	123,757	123,729	114,613	115,575	115,628			
15	M = P _n - P _{n-1}			8.59	878	877	877	930	927	927		
16	N = I _n + I _{n-1}			852,467	852,258	852,280	826,392	839,304	837,357			
17	M x N	15 x 16				20,722			20,884			
18	Σ (M x N)	Σ I ₇	402,774			20,774						

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FEB 27 1972

OIL CONSERVATION COMM.
HOBBS, N. M.