

WORK SHEET FOR STEPWISE CALCULATION

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

Form C-122E
Adopted 9-1-65

COMPANY Shelly LEASE West Am 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_i 20076.3 Q_m 0 M₂ cfd (L/H) (F_i Q_m)² 0 P_{CT} 671 T_{CT} 371
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		16,449	3334.5			0					
2	GH		11826.8	5913.42			0					
3	37.5GH		442.506	4012.53			0					
4	P _c or P _n		5106.2	4220.2	4249.2	4250.2	3344.2	3337.2	3340.2			
5	P _r		7.61	6.36	6.33	6.33	5.06	4.97	4.98			
6	T		676	602.5	602.5	602.5	529	529	529			
7	T _r		1.73	1.54	1.54	1.54	1.35	1.35	1.35			
8	Z		1.002	.894	.892	.892	.746	.740	.741			
9	P/Z	4.8	5096.0	4776.5	4763.7	4764.8	4549.9	4509.7	4506.7			
10	P/TZ	9.6	9.5385	11.7278	7.9065	7.9084	8.6009	8.5250	8.5212			
11	(P/TZ) ² /1000	(10) ² /1000										
12	L/H(F _i Q _m) ²											
13		11 + 12										
14	I _n	10 + 13	121.652	126.138	126.478	126.448	116.267	117.302	117.355			
15	M = P _n - P _{n-1}			636	957	856	856	913	910			
16	N = I _n + I _{n-1}			258,270	117,144	259,102	242,715	242,750	242,823			
17	M x N	15 x 16				281,970			20,861			
18	Σ (M x N)	Σ 17	402,506			281,970						

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27 1972

OIL CONSERVATION COMM.
HOEBS, R. M.