

WORK SHEET FOR STEPWISE CALCULATION (SUBSURFACE) PRESSURE (P_c & P_n) (SURFACE)

Form C-122-E
Adopted 9-1-65

COMPANY Shelly Oil Co. LEASE West Tal Unit WELL NO. 1 DATE 12-21-72

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 .25%
d 3,441 F_r 0 Q_m 0 M₂cid (L/H) (F_rQ_m)² 0 P_{cr} 671 T_{cr} 391
TABLE IX & X TABLE IX & X

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		16,449	8225	8225	8225		0	0	71		
2	GH		11,427	5914	5914	5914		0	0	0		
3	37.5GH		442,513	221,775	221,775	221,775		0	0	0		
4	P _c or P _n		6480	5721	5846	5841		4701	4762	4759		
5	P _r		10,440	8,53	8,71	8,710		7.01	7.10	7.09		
6	T		520	598	598	578		520	520	520		
7	T _r		1.33	1.53	1.53	1.53		1.33	1.23	1.23		
8	Z		1,182	1,029	1,042	1,041		845	401	900		
9	P/Z or P/Z		5905	5560	5610	5611		5253	5285	5282		
10	P/TZ		11,3558	7,2777	9,3813	9,3829		10,1019	10,1635	10,1692		
11	(P/TZ) ² /1000	(10) ² /1000	XX	XX	XX			XX	YY	XX		
12	L/H(F _r Q _m) ²		XX	XX	XX			XX	YY	YY		
13			XX	XX	XX			XX	YY	YY		
14	I _n	I ₀ -I ₃	48,061	107,530	106,595	106,597		98,991	98,391	98,326		
15	M=P _n -P _{n-1}		1259	1134	1134	1139		1140	1077	1082	1082	
16	N=I _n +I _{n-1}		195,597	199,656	199,628			201,568	204,468	204,402		
17	M x N	15 x 16										
18	Σ (M x N)	Σ I ₇	1173,013			221,870				104		

ILLEGIBLE

APP = 3 (375)(24) = 3 x 443,513 = 1330,539 = 7172
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 P_c = P_r - APP = 6980 - 7172 = 4808
 One copy to be filed in District Office (Work copy acceptable)

RECEIVED

FEB 27 1972

O.L. CONSERVATION COMM.
HOOVER, N. M.