

WORK SHEET FOR STEPWISE CALCULATION
(SUBSURFACE)
(SURFACE)

PRESSURE
(P_f & P_s)
(P_c & P_w)

2nd Floor No. 2
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COMPANY _____ LEASE _____ WELL NO. _____ DATE _____

LOCATION: Unit _____ Section _____ Township _____ Range _____

L _____ H _____ I/H _____ G _____ % CO₂ _____ % N₂ _____ % H₂S _____

d _____ F_i _____ Q_m _____ M₂ cfd (I/H) (F_i Q_m)² _____ P_{cr} _____ T_{cr} _____
TABLE IX & X TABLE IX & X

$$= \frac{962,973}{716,731}$$

$$= 1339.4$$

$$P_w = 5601.2 - 1339.4$$

$$= 3771.8$$

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		12056	6028				0				
2	GH		8559.76	4279.88				0				
3	37.5GH		320,991	160,495				0				
4	P _c or P _n		5601.2	4406.2	4392.2	4393.2	4394.2	3694.2	3686.2	3687.2	3688.2	
5	P _i		7.559	6.61	6.59	6.59	6.59	5.54	5.48	5.48	5.48	
6	T		658	589				530				
7	T _i		1.68	1.50				1.33				
8	Z		.992	.898	.897	.897	.897	.792	.767	.767	.767	
9	P/Z	4:8	5102.0	4906.7	4896.5	4897.7	4898.8	4781.6	4786.9	4766.7	4769.5	
10	P/TZ	9:6	772528	83305	83131	83183	83171	9,1073	9,1671	9,1606	9,1721	
11	(P/TZ) ² /1000	(10) 2/100	—									
12	L/H (F _i Q _m) ²		—									
13		I ₁ + I ₂	—									
14	I _n	10:13	128,969	110,041	120,251	120,360	120,224	108,797	108,056	109,056	109,000	
15	I _n - I _{n-1}		621.58	658.77	669	668	667.5	702.1	730	737	736	
16	I _n + I _{n-1}			240,000	240,222	240,551	240,499	219,497	219,813	219,813	219,812	
17	I _n + I _{n-1}	15:16					169,808			169,808		
18	Σ (I _n + I _{n-1})	2:17	320,991				169,808			169,808		

621/667 = .935

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MAY 2 1972

OIL CONSERVATION COMM.
HOBBBS, N. H.