

WORK SHEET FOR STEPWISE CALCULATION

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

Form C-122E
Adopted 9-1-65

COMPANY Summit Oil Co

LEASE State land "76"

WELL NO. 1144

DATE JAN 19 11 44 AM '67

LOCATION: Unit I

Section 2

Township 16S

Range 32E

L 11,915

H 11,711

L/H 1.000

G 1.144

% CO₂ -

% N₂ -

% H₂S -

d 4.795 F_r 0.018231 Q_m 1.095 M₂cid (L/H) (F_rQ_m)² .00039852 P_{cr} 650 T_{cr} 531

TABLE IX & X

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LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5.781				11,178				
2	GH		0	6.1416				13,102.8				
3	37.5GH		0	236,928				513,555				
4	P _c or P _n		2453.2	3631.8	3588	3574.9	3580.9	4708.9	4641	4638.9		
5	P _r		3.774	5.581	5.520	5.507	5.509	7.244	7.14	7.136		
6	T		53.2	586	586	586	586	640	640	640		
7	T _r		.9907	1.091	1.091	1.091	1.091	1.192	1.192	1.192		
8	Z		.505	.731	.734	.730	.730	.915	.905	.905		
9	P/Z		4857.8	4914.5	4888.3	4703.8	4905.3	5146.3	5125.2	5125.8		
10	P/TZ		7.131	8.386	8.342	8.368	8.371	8.041	5.013	8.009		
11	(P/TZ) ² /1000	(10 ² /1000)	.08331516	.07032499	.06158884	.07007364	.06465768	.06420819	.06414408			
12	L/(H(F _r Q _m) ²)		.00039852	.00039852	.00039852	.00039852	.00039852	.00039852	.00039852	.00039852		
13			.08311368	.07142676	.07005707	.07042194	.07047216	.06505620	.06460669	.06454260		
14	I _n	I ₀ ÷ I ₃	108.996	117.406	119.074	118.826	118.784	123.600	124.027	124.088		
15	M = P _n - P _{n-1}			1178.6	1134.8	1126.5	1127.7	1128	1060.1	1058		
16	N = I _n + I _{n-1}			226.4102	228.070	227.822	227.780	242.384	242.811	242.872		
17	M x N	I ₅ x I ₆										
18	Σ (M x N)	Σ I ₇					256,913			256,934		
							256,913			513,847		