

WORK SHEET FOR STEPWISE CALCULATION

(PLEASE CONTACT
(SURFACE)

PRESSURE
(P_c & P_w)

Form G-122-B
Adopted 9-1-65

Standard Oil Company

COMPANY of Texas

LEASE

Dogleg Flats Unit '16'

WELL NO. 5

DATE

6-13-66

LOCATION: Unit R

Section

16

Township

22S

Range

23E

L 7225

H

7225

L/H 1,000

G

.644

%CO₂

.52

%N₂

.89

%H₂S

.38

d

F_r

Q_m

0

M²cf/d

(L/H) (F_rQ_m)²

0

P_{cr}

673

T_{cr}

368

TABLE IX & X

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LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		7225	3612.5		0						
2	GH		4552.90	2326.45		0						
3	37.5GH		174,484	87,242		0						
4	P _c or P _n		2028.4	2576.4	2575.4	2322.4	2319.4					
5	P _r		4,20	3.83	3.83	3.45	3.45					
6	T		592	563	563	532	532					
7	T _r		1.61	1.53	1.53	1.45	1.45					
8	Z		.826	.786	.786	.739	.739					
9	P/Z P/Z	4.8	3424.2	3277.9	3276.6	3142.6	3138.6					
10	P/TZ	9.6	5,7841	5,8221	5,8199	5,9072	5,8996					
11	(P/TZ) ² /1000	(10)2/1000										
12	L/H(F _r Q _m) ²											
13		11 + 12										
14	I _n	10 + 13	172,888	171,759	171,824	169,285	169,503					
15	M + P _n - P _{n-1}			252	253	253	256					
16	N = I _n + I _{n-1}			344,647	344,712	344,109	341,327					
17	M x N	15 x 16			87,242		87,242					
18	Σ (M x N)	Σ 17	174,484		87,242							