

(SURFACE)

PRESSURE
(P_c & P_w)

Form C-122-E

RATE NO. 2

COMPANY Monsanto Company LEASE Albert Federal WELL NO. 1 DATE 1-10-77

LOCATION: UNIT 0 SECTION 32 TOWNSHIP 19S RANGE 25E

9299 H 9299 L/H 1.00 G 0.595 % CO₂ 0.00 % N₂ 0.00 % H₂S 0.00

d F Q_m M² cfd (L/H) ($F_r Q_m$)² P 672 T 354

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		9299	4650		0						
2	GH		5533	2766		0						
3	37.5GH		207484	103742		0						
4	P _c or P _n		2831.5	2558.5	2553.1	2275.0	2263.1					
5	P _r		4.21	3.81	3.80	3.39	3.37					
6	T		616	570	570	524	524					
7	T _r		1.74	1.61	1.61	1.48	1.48					
8	Z		0.873	0.820	0.820	0.758	0.759					
9	P/Z P/Z		3241.93	3120.51	3113.95	3000.58	2980.88					
10	P/TPZ		9 ÷ 6	5.4746	5.4631	5.7263	5.6887					
11	(P/TPZ) ² /1000	(10 ² /1000)										
12	L/H (F _r Q _m) ²											
13												
14	I _n		11 ÷ 12									
15	M = P _n - P _{n-1}		10 ÷ 13	190.010	182.662	183.047	174.633	175.787				
16	N = L _n + L _{n-1}			273	278	278	290	289				
17	M x N		15 x 16	372.673	373.058	357.680	358.834					
18	Σ (M x N)	Σ 17		103710	103710		104062					
				103710			207772					

$$\Delta P = \frac{3 \left[\frac{207484}{190.010 + 4 \left[183.047 \right] + 175.787} \right]}{622452} = 566.9 \quad P = 2831.5 - 566.9 = 2264.6$$