

COMPANY Monsanto Company LEASE Coquina Federal WELL NO. 1 DATE 5-27-75

LOCATION: UNIT J SECTION 31 TOWNSHIP 20-S RANGE 27-E
 10690 H 10690 L/H 1.0 G .640 % CO₂ % N₂ % H₂S
 d 1.995 F_r.018231 Q_m.740 M²cf/d (L/11) (F_rQ_m)².0001EE P_{cr} 670 T_{cr} 372

LINE	ITEM	SOURCE	1	2	3	4	5	6	7	8	9	10
1	H		0	5345	10690							
2	GH		0	3421	6842							
3	37.5GH		0	128280	256560							
4	P _c or P _n		1481.2	1713.1	1946.2							
5	P _r		2.21	2.56	2.90							
6	T		536	581	625							
7	I _r		1.44	1.56	1.68							
8	Z		.775	.820	.859							
9	Q/Z P/Z	4 ÷ 8	1911.2	2089.2	2265.6							
10	P/TZ	9 ÷ 6	3.5657	3.5990	3.6250							
11	(P/TZ) ² /1000	(10 ² /1000)	.012714	.012953	.013141							
12	L/n(F _r Q _m) ²		.000182	.000182	.00182							
13		11 ÷ 12	.012896	.013135	.013323							
14	I _n	10 ÷ 13	276.490	274.001	272.088							
15	(P _n ² - P _{n-1} ²)			232	233							
16	(P _n ² + 1 - P _{n-1} ²)			552.980	550.492							
17	P × H	15 × 16		128291	128265							
18	2.0(P _n × 11)	17 × 17		128291	256556							

delta P = $\frac{3 (256560)}{276.490 + 4 (274.001) + 272.088} = \frac{769680}{1644.582} = 468.0$
 $P = 468.0 + 1949.2 = 1949.2$