

FORM D-122E WORKSHEET FOR STEPWISE CALCULATION (SURFACE) PRESSURE (Pc & Pw)

COMPANY : FINA OIL AND CHEMICAL LEASE : FED H H WELL NO. : 33 1 DATE : 12 19 91
 UNIT : 0 SECTION : 33 TOWNSHIP : 19 RANGE : 32
 L : 12462 H : 12462 L/H : 1.0 S/GMIX : 0.640
 CO2 : 1.18 N2 : 0.67 H2S : 0
 d : 2.008 Fr : 0.017480 Qm : 0.000 (L/H) (Fr Qm) 0.000000

PCR : 674 TCR : 371

LINE	ITEM	SOURCE	1	2	3	4	5	6	
1	H		12462	6231		0			
2	GH		7975.68	3987.84		0			DELTA P = 954.4
3	37.5GH		299088	149544		0			Pw = 2719.3
4	Pc on Pn		3673.6	3218.8	3208.2	2744.1	2714.5	2716.7	
5	Pr		5.49	4.78	4.76	4.07	4.03	4.03	
6	T		658.62	596.31	596.31	534	534	534	
7	Tr		1.79	1.61	1.61	1.44	1.44	1.44	
8	Z		0.924	0.847	0.847	0.746	0.744	0.744	
9	P/ZP/Z	4/8	4006.3	3799.8	3789.4	3680.2	3646.7	3649.2	
10	P/TZ	9/6	6.0829	6.3722	6.3548	6.8918	6.8290	6.8336	
11	Ln10^2/1000	((10)2/100)							
12	L/H(Fr Qm)2								
13		11+12							
14	In	10/13	164.395	156.933	157.361	145.099	146.435	146.335	
15	M=Pn-Pn-1			455	465	464	494	492	
16	N=In+In-1			321.328	321.756	302.460	303.776	303.696	
17	M x N	15x16			149743			149296	
18	SUM(MxN)	SUM17	299088		149345				