

Tabla N° 53: Validación de la simulación a carga máxima (50 KBD), Crudo TJM-26

Etapa	Plato que representa	Zona	VAPOR						LIQUIDO					
			Temperatura ,°F	Presión, PSIA	Peso molecular	Flujo, MLB/HR	Densidad, LB/FT3	Viscosidad ,CP	Temperatura ,°F	Peso molecular	Flujo, MLB/HR	Densidad, LB/FT3	Viscosidad ,CP	Tensión superficial DYNE/CM
1	Plato 11	Tope	135	1.33	19.6	14.68	0.0041	0.0090	117	263.3	477.20	55.4	3.92	32.0
	Plato 10	Fondo	271	1.51	35.2	29.22	0.0068	0.0098	135	259.5	491.74	55.0	3.08	31.1
2	Plato 10	Tope	271	1.51	35.2	29.22	0.0068	0.0098	135	259.5	491.74	55.0	3.08	31.1
	Plato 9	Fondo	474	1.69	124.5	163.54	0.0210	0.0097	271	263.3	626.06	52.2	1.09	25.3
3	Plato 8D	Tope	474	1.69	124.5	163.54	0.0210	0.0097	271	263.3	69.86	52.2	1.09	25.3
		Fondo	526	1.86	141.4	191.37	0.0250	0.0100	474	320.1	97.69	49.1	0.57	18.8
4	Plato 8A	Tope	526	1.86	141.4	191.37	0.0250	0.0100	474	320.1	97.69	49.1	0.57	18.8
		Fondo	562	2.04	142.1	186.23	0.0265	0.0104	526	351.9	92.55	48.6	0.55	17.7
5	Plato 8	Tope	562	2.04	142.1	186.23	0.0265	0.0104	357	388.4	454.04	52.7	1.99	24.6
	Plato 7	Fondo	655	2.22	235.6	497.80	0.0440	0.0100	562	388.4	765.61	48.4	0.58	17.2
6	Plato 6D	Tope	655	2.22	237.2	490.93	0.0443	0.0099	562	388.4	246.79	48.4	0.58	17.2
	Plato 6A	Fondo	702	2.40	246.6	498.95	0.0477	0.0103	655	432.9	254.82	47.3	0.50	15.1
7	Lecho empacado	Tope	702	2.40	246.6	498.95	0.0477	0.0103	655	432.9	203.08	47.3	0.50	15.1
		Fondo	747	2.73	234.0	430.57	0.0495	0.0109	702	470.4	134.70	48.0	0.53	15.0
8	Plato 4	Tope	721	2.73	120.0	94.83	0.0259	0.0127	743	501.5	514.61	49.4	0.56	15.5
	Plato 1	Fondo	551	2.73	18.0	10.69	0.0045	0.0157	721	519.1	430.47	50.7	0.72	16.9

Tabla N° 54: Validación de la simulación a carga mínima (38 KBD), Crudo TJM-26

Etapa	Plato que representa	Zona	VAPOR						LIQUIDO					
			Temperatura ,°F	Presión, PSIA	Peso molecular	Flujo, MMLB/HR	Densidad, LB/FT3	Viscosidad ,CP	Temperatura ,°F	Peso molecular	Flujo, MMLB/HR	Densidad, LB/FT3	Viscosidad ,CP	Tensión superficial DYNE/CM
1	Plato 11	Tope	135	1.59	19.4	11.48	0.0048	0.0090	118	263.0	362.66	55.4	3.88	31.9
	Plato 10	Fondo	271	1.72	33.6	21.82	0.0074	0.0099	135	259.4	372.99	55.0	3.07	31.1
2	Plato 10	Tope	271	1.72	33.6	21.82	0.0074	0.0099	135	259.4	372.99	55.0	3.07	31.1
	Plato 9	Fondo	478	1.86	121.5	123.49	0.0225	0.0098	271	263.0	474.66	52.2	1.08	25.3
3	Plato 8D	Tope	478	1.86	121.5	123.49	0.0225	0.0098	271	263.0	51.97	52.2	1.08	25.3
		Fondo	528	1.99	138.5	145.41	0.0261	0.0100	478	320.0	73.89	49.0	0.56	18.6
4	Plato 8A	Tope	528	1.99	138.5	145.40	0.0261	0.0100	478	320.0	73.89	49.0	0.56	18.6
		Fondo	563	2.13	139.3	141.85	0.0271	0.0104	528	351.7	70.33	48.5	0.55	17.6
5	Plato 8	Tope	563	2.13	139.3	141.85	0.0271	0.0104	357	388.1	345.03	52.7	1.99	24.6
	Plato 7	Fondo	655	2.26	233.1	381.25	0.0444	0.0100	563	388.1	584.43	48.4	0.58	17.1
6	Plato 6D	Tope	655	2.26	234.5	376.16	0.0446	0.0100	563	388.1	190.18	48.4	0.58	17.1
	Plato 6A	Fondo	701	2.40	244.3	384.12	0.0473	0.0103	655	432.5	198.14	47.3	0.50	15.1
7	Lecho empacado	Tope	701	2.40	244.3	384.12	0.0473	0.0103	655	432.5	158.95	47.3	0.50	15.1
		Fondo	746	2.65	231.5	330.88	0.0476	0.0109	701	470.1	105.70	48.0	0.53	15.0
8	Plato 4	Tope	719	2.65	119.9	75.69	0.0251	0.0127	742	501.2	394.41	49.3	0.56	15.5
	Plato 1	Fondo	551	2.65	18.0	8.55	0.0044	0.0157	719	519.3	327.27	50.7	0.72	16.9

Tabla N° 55: Validación de la simulación a carga máxima (50 KBD), Crudo LRM

Etapa	Plato que representa	Zona	VAPOR						LIQUIDO					
			Temperatura ,°F	Presión, PSIA	Peso molecular	Flujo, MLB/HR	Densidad, LB/FT3	Viscosidad ,CP	Temperatura ,°F	Peso molecular	Flujo, MLB/HR	Densidad, LB/FT3	Viscosidad ,CP	Tensión superficial DYNE/CM
1	Plato 11	Tope	152	1.62	21.8	15.28	0.0054	0.0090	132	232.2	455.31	54.0	2.15	30.2
	Plato 10	Fondo	257	1.85	42.1	34.46	0.0101	0.0093	152	228.3	474.49	53.6	1.71	29.2
2	Plato 10	Tope	257	1.85	42.1	34.46	0.0101	0.0093	152	228.3	474.49	53.6	1.71	29.2
	Plato 9	Fondo	452	2.00	110.5	133.93	0.0227	0.0097	257	232.2	573.97	51.3	0.85	24.6
3	Plato 8D	Tope	452	2.00	110.5	133.93	0.0227	0.0097	257	232.2	73.80	51.3	0.85	24.6
		Fondo	504	2.16	134.3	168.99	0.0281	0.0098	452	299.5	108.85	48.4	0.53	18.5
4	Plato 8A	Tope	504	2.16	134.3	168.99	0.0281	0.0098	452	299.5	108.85	48.4	0.53	18.5
		Fondo	546	2.31	137.3	166.43	0.0295	0.0102	504	334.8	106.30	48.0	0.53	17.5
5	Plato 8	Tope	546	2.31	137.3	166.43	0.0295	0.0102	450	370.2	674.50	49.8	0.90	20.3
	Plato 7	Fondo	619	2.42	219.2	409.60	0.0462	0.0097	546	370.3	917.67	47.7	0.55	16.8
6	Plato 6D	Tope	619	2.42	219.2	409.60	0.0462	0.0097	546	370.3	234.83	47.7	0.55	16.8
		Fondo	654	2.54	230.9	434.95	0.0494	0.0099	619	400.7	260.19	46.7	0.47	15.0
7	Plato 6A	Tope	655	2.54	232.4	422.22	0.0497	0.0099	619	400.7	260.19	46.7	0.47	15.0
		Fondo	711	2.60	219.6	351.90	0.0457	0.0106	655	436.5	189.87	46.6	0.49	14.6
8	Lecho empacado	Tope	672	2.60	168.0	157.86	0.0361	0.0110	660	443.3	115.84	46.7	0.49	14.6
		Fondo	731	2.92	141.6	118.18	0.0324	0.0121	672	487.5	76.17	47.5	0.60	15.2
9	Plato 4	Tope	724	2.92	104.2	69.67	0.0240	0.0130	741	574.0	470.86	49.7	0.75	16.0
	Plato 1	Fondo	552	2.92	18.0	9.50	0.0049	0.0157	724	604.9	410.68	51.0	1.01	17.4

Tabla N° 56: Validación de la simulación a carga mínima (38 KBD), Crudo LRM

Etapa	Plato que representa	Zona	VAPOR						LIQUIDO					
			Temperatura ,°F	Presión, PSIA	Peso molecular	Flujo, MLB/HR	Densidad, LB/FT3	Viscosidad ,CP	Temperatura ,°F	Peso molecular	Flujo, MLB/HR	Densidad, LB/FT3	Viscosidad ,CP	Tensión superficial DYNE/CM
1	Plato 11	Tope	152	1.62	21.6	15.03	0.0053	0.0091	128	233.6	346.54	54.1	2.28	30.4
	Plato 10	Fondo	255	1.80	40.2	32.12	0.0094	0.0093	152	229.3	363.63	53.6	1.73	29.2
2	Plato 10	Tope	255	1.80	40.2	32.12	0.0094	0.0093	152	229.3	363.63	53.6	1.73	29.2
	Plato 9	Fondo	444	1.91	97.5	105.84	0.0193	0.0099	255	233.6	437.35	51.4	0.87	24.7
3	Plato 8D	Tope	444	1.91	97.5	105.84	0.0193	0.0099	255	233.6	56.71	51.4	0.87	24.7
		Fondo	492	2.03	118.5	132.83	0.0236	0.0100	444	300.5	83.70	48.6	0.56	18.9
4	Plato 8A	Tope	492	2.03	118.5	132.83	0.0236	0.0100	444	300.5	83.70	48.6	0.56	18.9
		Fondo	532	2.14	120.1	130.25	0.0243	0.0104	492	335.0	81.12	48.2	0.56	18.0
5	Plato 8	Tope	532	2.14	120.1	130.25	0.0243	0.0104	421	369.5	515.51	50.4	1.07	21.4
	Plato 7	Fondo	609	2.23	206.1	340.80	0.0403	0.0098	532	369.6	726.06	48.1	0.58	17.3
6	Plato 6D	Tope	609	2.23	206.1	340.80	0.0403	0.0098	532	369.6	204.55	48.1	0.58	17.3
		Fondo	646	2.32	219.2	368.75	0.0431	0.0100	609	399.8	232.50	46.9	0.49	15.3
7	Plato 6A	Tope	646	2.32	220.8	359.46	0.0434	0.0100	609	399.8	232.50	46.9	0.49	15.3
		Fondo	705	2.36	208.0	300.04	0.0395	0.0107	646	436.6	173.07	46.8	0.51	14.9
8	Lecho empacado	Tope	662	2.36	158.5	141.23	0.0312	0.0111	650	441.9	117.31	46.9	0.51	14.9
		Fondo	726	2.46	132.2	104.68	0.0256	0.0123	662	484.6	80.76	47.6	0.62	15.4
9	Plato 4	Tope	715	2.46	99.3	64.98	0.0194	0.0131	735	573.5	367.24	49.8	0.76	16.1
	Plato 1	Fondo	551	2.46	18.0	9.50	0.0041	0.0157	715	607.0	311.76	51.2	1.08	17.7

Tabla N° 57: Datos mecánicos de los internos de la torre T-100X

DESCRIPCIÓN	ZONA DE RECTIFICACIÓN (CABECERA - CORTE 1)							ZONA DE RECTIFICACIÓN (CORTE 2 – CORTE 3)						ZONA DESPOJAMIENTO			
	16							21						11			
N° PLATO	11	10	9	8D	8C	8B	8A	8	7	6D	6C	6B	6A	T-4	T-3	T-2	T-1
TIPO DE PLATO	P	P	P	P	P	P	P	J	J	P	P	P	P	P	P	P	P
N° PASOS	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1
ESPACIADO (pulg)	30	30	30	42	30	30	30	52	36	36	36	36	36	33	33	33	33
AREA PERFORADA (pie2)	10.1	13	13	16	16	16	16			20	20	20	20	3.761	3.761	2.821	2.821
AREA BURBUJEO (pie2)	173.7	173.7	173.7	173.7	173.7	173.7	173.7							47.01	47.01	47.01	47.01
AREA DE DESECHO (pie2)	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.78	1.78	0	0	0	0	13.75	13.75	13.75	13.75
DIAM. ORIFICIOS (pulg)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	2	0.5	0.5	0.5	0.5	0.75	0.75	0.75	0.75
TABBED AREA (pie2/plato)	---	---	---	---	---	---	---	62	62	---	---	---	---	---	---	---	---
NUMERO DE LENGÜETAS	---	---	---	---	---	---	---	2500	2500	---	---	---	---	---	---	---	---
CLARO BAJANTE EXTERNO(pulg)	1.85	2.58	1.95	1.5	1.08	1.18	1.12	1.5	1.5	0	1.28	0	1.34	2	2	1.5	1.5
CLARO BAJANTE CENTRAL(pulg)	---	---	---	---	---	---	---			1.5		1.2		---	---	---	---
ALT. REBOSE SAL. DEL BAJ. EXTERNO (pulg)	0	0	0	1.5	1.5	1.5	1.5	0	---	2	---	2	---	1.50	1.50	1.5	1.5
ALT. REBOSE BAJANTE CENTRAL (pulg)	---	---	---	---	---	---	---	---	0	---	2	---	2	---	---	---	---
ANCHO BAJANTE ENT (pulg)	10	10	10	10	10	10	10	10	18	6	6	6	6	30	30	30	30
ANCHO BAJANTE SAL (pulg)	10	10	10	10	10	10	10	10	8	6	6	6	6	30	30	30	30
ESPEJOR DEL PLATO (pulg)	0.074			0.125				0.125						0.074			
TIPO DE BAJANTE	ARC	ARC	ARC	ARC	ARC	ARC	ARC	ARC	C	ARC	C	ARC	C	C	C	C	C

