

POZO: W016-9. FORMACION: BASAL SALINA INTERVALO: 7801'-7201'

PETROMAR

PARA CALCULAR SATURACIONES DE AGUA
METODOS INDONESIA Y WAXMAN-SMITH DWM

DATA INPUT

INGRESO DE PARAMETROS :

GAMMA RAY [MAX.]	=	75
GAMMA RAY [MIN.]	=	20
Rw A Tr.	=	0.318
Rshale	=	12
Densidad de fluido	=	1.1
Densidad de matriz	=	2.68
[FOR]n-shale	=	0.21
[FOR]d-shale	=	0.05
Factor de Compact. M	=	2
Exponente de Sat. n	=	1.71
Constante de Archie a	=	1



POZO: LD16-9 FORMACION: BASAL SALINA

INTERVALO: 7801'-7201'

PETROMAR

DEPTH	GR	Rdeep	[Por]d
7801	85.93	18.4642	0.016825
7799	85.37	18.962	0.023572
7797	80.12	19.6036	0.014752
7795	82.81	17.4865	0.019903
7793	82.25	17.7709	0.01763
7791	77.37	18.9178	0.007777
7789	83.06	19.4025	0.029721
7787	80.62	24.7319	0.011696
7785	81.12	20.7816	0.020549
7783	75.43	19.3076	0.024649
7781	82.93	25.2491	0.025064
7779	71.31	33.6098	0.011017
7777	65.18	28.484	0.020708
7775	72.68	22.1461	0.023328
7773	81.68	22.1336	0.027539
7771	82.25	22.6027	0.020787
7769	80.06	25.6078	0.031321
7767	76.18	21.6902	0.390777
7765	60.68	18.7669	0.353941
7763	35.5	28.1094	0.101158
7761	63.12	28.9879	0.110499
7759	71.62	24.5561	0.16321
7757	51.12	22.0712	0.080209
7755	37.68	25.9607	0.073902
7753	22.7	31.0565	0.082735
7751	21.26	34.5772	0.082899
7749	18.89	33.9154	0.098049
7747	19.82	50.6491	0.066593
7745	27.62	89.0285	0.055846
7743	32.56	87.4128	0.074255
7741	61.84	36.7361	0.032569
7739	70.5	29.5356	0.032674
7737	67.25	31.8277	0.020243
7735	63.56	27.2376	0.067163
7733	60.18	28.9752	0.063336
7731	67.06	20.6942	0.134068
7729	73.37	18.425	0.03164
7727	74.18	24.2862	0.016423
7725	73.68	22.0203	0.022022
7723	59.84	22.2533	0.088869
7721	63.12	25.5325	0.01516
7719	76.31	20.2012	0.015461
7717	75.43	19.2606	0.013641
7715	73.68	19.3818	0.013264
7713	73.68	21.6408	0.015894
7711	62.31	18.8349	0.034372
7709	71.56	14.9379	0.029462
7707	78.43	17.7129	0.014978
7705	78.12	16.7561	0.017566
7703	75	19.6229	0.02151
7701	75.5	19.4116	0.027786
7699	72.06	20.0437	0.020995
7697	78.81	17.7225	0.017715
7695	79.37	17.6715	0.02845
7693	0.56	18.1973	0.032699
7691	72.56	17.8543	0.03827

**PETROMAR**

POZO: L016-9 FORMACION: BASAL SALINA INTERVALO: 7001'-7201'

DEPTH	GR	Rdeep	[Por]d
7689	71.93	19.5942	0.022835
7687	72	18.7183	0.033135
7685	78.31	20.3221	0.010493
7683	76.12	20.2798	0.025962
7681	74.12	18.2695	0.016888
7679	77.87	19.965	0.013105
7677	78.93	16.8853	0.046488
7675	74.06	18.409	0.027999
7673	73.43	16.143	0.018385
7671	76.81	17.8139	0.028035
7669	63.18	27.6533	0.021288
7667	75.81	16.7432	0.014989
7665	69.25	20.4999	0.016611
7663	74.12	20.8387	0.015657
7661	67.25	26.4022	0.008229
7659	72.5	22.4977	0.004193
7657	84.25	20.4037	0.011251
7655	67.37	21.5199	0.009032
7653	80.37	20.9419	0.021351
7651	70.93	18.6505	0.023887
7649	67.75	21.4477	0.015754
7647	72	22.6509	-0.00146
7645	71.93	22.2385	0.010096
7643	73.12	21.7041	0.004058
7641	82.18	22.1608	0.006553
7639	76.06	22.1527	-0.01077
7637	76.62	21.3532	0.011174
7635	85.06	19.5395	0.023437
7633	85.25	19.842	0.0073
7631	74.25	20.2038	0.004356
7629	76.62	18.7173	0.030972
7627	74.37	18.5701	0.02731
7625	73	19.7403	0.013046
7623	60	40.2253	0.000811
7621	74.37	22.1951	0.010432
7619	73.87	21.2472	0.021018
7617	65.93	24.2048	0.016569
7615	61.65	24.7773	0.018139
7613	75.5	19.954	0.023085
7611	73.62	20.6502	0.008257
7609	72.43	19.2028	0.014736
7607	80.5	20.0202	0.014769
7605	84.37	20.7209	0.012985
7603	76.25	20.9174	0.020698
7601	64.87	24.0622	0.013412
7599	63.81	24.6666	0.015189
7597	70.12	21.5103	0.023904
7595	66	20.4706	0.018829
7593	74.06	18.526	0.031847
7591	74.87	15.8751	0.023045
7589	73.25	16.5344	0.023606
7587	80.12	14.8755	0.023655
7585	65.31	19.0844	0.022663
7583	59.5	18.2348	0.038092
7581	72.06	15.5366	0.034417
7579	73.81	22.0139	0.01567



POZO: LD16-9 FORMACION: BASAL SALINA

INTERVALO: 7801'-7201'

PETROMAR

DEPTH	GR	Rdeep	[Por]d
7577	58	37.2443	0.008986
7575	63.43	29.047	0.030694
7573	64.75	28.9721	0.040785
7571	53.25	43.2825	0.029156
7569	52.37	30.6064	0.060485
7567	72.62	21.0976	0.016723
7565	73.93	21.9513	0.014615
7563	76.93	17.1529	0.010943
7561	72.12	17.331	0.033099
7559	78.87	18.9893	0.016989
7557	72.56	19.1114	0.011375
7555	57.4	22.7193	0.026792
7553	76.56	16.9024	0.004878
7551	77.25	18.4291	0.011399
7549	73.81	19.5463	0.011242
7547	72.68	18.6268	0.015627
7545	80.37	16.2025	0.01939
7543	73.25	16.6231	0.030764
7541	77.37	16.3076	0.028521
7539	72.37	16.3525	0.032139
7537	69.56	19.2919	0.030569
7535	67.81	16.0621	0.034515
7533	72.43	16.2864	0.033261
7531	78.93	19.228	0.018544
7529	70.31	22.0966	-0.00515
7527	63.59	28.3672	0.024321
7525	70.62	22.6685	0.017157
7523	67.81	24.0923	0.022918
7521	56.9	34.4495	0.01188
7519	46.93	40.6386	0.013095
7517	63.75	30.0691	0.009186
7515	60.43	23.5688	0.022878
7513	70.37	23.5518	0.029065
7511	46.78	47.2106	0.013968
7509	68.93	18.8299	0.018452
7507	76.62	15.7432	0.015717
7505	64.81	35.421	0.011329
7503	55.03	36.9572	0.023103
7501	53.46	25.2364	0.017425
7499	54.75	57.2568	0.015079
7497	67.62	19.6903	0.016185
7495	72.87	17.0126	0.022445
7493	68.93	22.0424	0.016011
7491	75.43	22.6663	0.021713
7489	66.81	18.4244	0.059124
7487	72.06	19.3902	0.03118
7485	74.43	15.5994	0.037433
7483	72.31	15.8847	0.007603
7481	72.06	16.3217	0.002927
7479	69.87	16.2182	0.035541
7477	72.81	15.2214	0.060566
7475	62.06	15.3397	0.110223
7473	65.18	14.509	0.056454
7471	68.75	15.0754	0.036329
7469	1.62	13.4619	0.039487
7467	71.25	15.5662	0.024976

**PETROMAR**

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DEPTH	GR	Rdeep	[Por]d
7465	76.87	14.4453	0.040814
7463	79.12	14.1799	0.043827
7461	71.93	14.8623	0.033399
7459	62.37	24.5947	0.012497
7457	61.59	29.9774	0.015188
7455	58.53	21.1468	0.028723
7453	72.31	15.5217	0.037722
7451	69.18	15.5595	0.034944
7449	67.75	18.6067	0.041419
7447	70	16.116	0.030657
7445	65.37	17.6392	0.020556
7443	58.75	21.6336	0.046321
7441	64.81	13.7821	0.041324
7439	66.75	15.7502	0.044202
7437	69.75	15.2259	0.053253
7435	56.34	13.6675	0.12896
7433	68.06	15.1942	0.021912
7431	69.81	14.919	0.019959
7429	62.5	16.0975	0.024943
7427	68.5	15.4294	0.017248
7425	62.28	21.1337	0.00869
7423	50.84	33.1877	0.048604
7421	43	30.4205	0.036724
7419	51.68	20.1448	0.029227
7417	65.93	22.9154	0.024337
7415	37.96	50.0791	0.021949
7413	51.5	24.5161	0.025631
7411	62.62	20.3555	0.038908
7409	62.87	20.4283	0.032793
7407	60.15	17.9763	0.030265
7405	65.25	17.2337	0.028577
7403	70.81	17.1537	0.034709
7401	65.93	22.4526	0.023621
7399	65.12	15.2035	0.033081
7397	62.71	15.4928	0.049092
7395	58.5	17.0491	0.023559
7393	62.43	15.6927	0.055373
7391	68	14.6083	0.045991
7389	67.5	15.4538	0.042974
7387	68.81	18.8834	0.01427
7385	62.25	16.5292	0.02239
7383	66.87	15.9423	0.035465
7381	62.65	23.6174	0.020219
7379	77.06	16.4648	0.033435
7377	56.09	23.7317	0.024627
7375	66.37	18.6406	0.023279
7373	57.59	16.8807	0.036754
7371	57.34	20.2932	0.068429
7369	65.5	23.747	0.042741
7367	68.62	21.9346	0.043816
7365	71.62	23.2627	0.027797
7363	80	23.5616	0.025088
7361	67.68	20.4116	0.019692
7359	64.62	19.9329	0.01782
7357	65	22.4487	0.027495
7355	68.56	20.8915	0.010117



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INTERVALO: 7801'-7201'

PETROMAR

DEPTH	GR	Rdeep	[Por]d
7353	70.43	19.876	0.029231
7351	74.18	20.8361	0.020965
7349	64.87	29.148	0.007392
7347	40.34	65.0534	0.019829
7345	58.09	30.9374	0.02231
7343	58.18	35.2364	0.026521
7341	65.06	30.1081	0.024368
7339	59.84	20.254	0.058057
7337	65.87	16.1763	0.062367
7335	61.09	15.5944	0.0812
7333	61.68	14.3543	0.054825
7331	69.87	19.9356	0.024655
7329	68.56	21.9409	0.008716
7327	69.75	24.5216	0.026507
7325	76.06	19.2177	0.028466
7323	65.43	29.1569	0.014098
7321	62.84	17.8243	0.03317
7319	72.56	21.529	0.032889
7317	73.62	18.7579	0.01431
7315	60.53	16.1763	0.052132
7313	52.06	46.5318	0.007722
7311	53.81	14.7929	0.052457
7309	78.56	13.3823	0.039844
7307	68.87	17.6773	0.028735
7305	62.09	17.3282	0.027471
7303	72.37	15.2439	0.0343
7301	54.96	22.1833	0.030127
7299	32.12	29.4743	0.079788
7297	26.51	21.764	0.075798
7295	38.68	24.4868	0.070863
7293	36.34	31.7409	0.039694
7291	68.81	17.4491	0.041277
7289	47.4	17.0967	0.119905
7287	71.75	19.1639	0.019451
7285	54.71	21.9268	0.026758
7283	68.18	17.118	0.036406
7281	75.62	15.4082	0.067561
7279	57.37	18.5629	0.026511
7277	60.15	18.3518	0.043113
7275	61.71	18.3735	0.049007
7273	30.21	22.4098	0.068808
7271	52.75	14.7394	0.062086
7269	75.62	15.8121	0.047036
7267	55	21.6128	0.026268
7265	65.06	17.2804	0.041599
7263	69.43	12.9018	0.074928
7261	29.65	16.3301	0.177931
7259	28.54	15.1897	0.086013
7257	43.65	11.6989	0.082992
7255	36	21.2503	0.082393
7253	20.15	26.397	0.103824
7251	21.35	52.9763	0.026222
7249	19.84	38.3194	0.05601
7247	20.98	23.4897	0.080814
7245	2.67	33.6137	0.054146
7243	48.34	15.6869	0.105686

**PETROMAR**

POZO: L016-9 FORMACION: BASAL SALINA

INTERVALO: 7801'-7201'

DEPTH	GR	Rdeep	[Por]d
7241	64	10.319	0.046435
7239	54.65	14.1515	0.102702
7237	23.51	22.1773	0.07256
7235	21.28	23.3311	0.054123
7233	19.98	17.1309	0.083116
7231	24.32	18.6049	0.076089
7229	26.39	18.9329	0.06822
7227	43.18	13.6704	0.063252
7225	68.5	11.4085	0.086315
7223	68.5	11.5803	0.076043
7221	63.68	14.3617	0.055712
7219	39.5	19.103	0.045875
7217	44.31	20.4102	0.046923
7215	24.09	20.7667	0.109619
7213	18.76	22.9546	0.027458
7211	18.23	30.763	0.056694
7209	21.34	37.7527	0.062764
7207	25.31	16.6417	0.103567
7205	23.4	18.1915	0.080516
7203	38.43	16.0939	0.052179
7201	56.18	18.8225	0.053375


PETROMAR

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
						INDONESIA	WS-DWM
7801	85.93	1.7%	18.46		120%	64%	207%
7799	85.37	2.4%	18.96		119%	61%	127%
7797	80.12	1.5%	19.60		109%	65%	257%
7795	82.81	2.0%	17.49		114%	66%	187%
7793	82.25	1.8%	17.77		113%	67%	219%
7791	77.37	0.8%	18.92	213%	104%		681%
7789	83.06	3.0%	19.40		115%	59%	94%
7787	80.62	1.2%	24.73		110%	58%	259%
7785	81.12	2.1%	20.78		111%	60%	148%
7783	75.43	2.5%	19.31	111%	101%		143%
7781	82.93	2.5%	25.25		114%	52%	84%
7779	71.31	1.1%	33.61	52%	93%		231%
7777	65.18	2.1%	28.48	26%	82%	65%	141%
7775	72.68	2.3%	22.15	64%	96%		137%
7773	81.68	2.8%	22.13		112%	55%	90%
7771	82.25	2.1%	22.60		113%	57%	127%
7769	80.06	3.1%	25.61		109%	50%	64%
7767	76.18	39.1%	21.69	137%	102%	20%	3%
7765	60.68	35.4%	18.77	18%	74%	22%	6%
7763	35.50	10.1%	28.11	3%	28%	65%	49%
7761	63.12	11.0%	28.99	22%	78%	38%	14%
7759	71.62	16.3%	24.56	54%	94%	33%	8%
7757	51.12	8.0%	22.07	9%	57%	61%	47%
7755	37.68	7.4%	25.96	4%	32%	79%	73%
7753	22.70	8.3%	31.06	0%	5%	113%	111%
7751	21.26	8.3%	34.58	0%	2%	113%	111%
7749	18.89	9.8%	33.92		-2%	ERR	99%
7747	19.82	6.7%	50.65		-0%	ERR	123%
7745	27.62	5.6%	89.03	1%	14%	70%	55%
7743	32.56	7.4%	87.41	2%	23%	46%	26%
7741	61.84	3.3%	36.74	20%	76%	53%	59%
7739	70.50	3.3%	29.54	47%	92%	58%	62%
7737	67.25	2.0%	31.83	32%	86%	61%	119%
7735	63.56	6.7%	27.24	23%	79%	50%	31%
7733	60.18	6.3%	28.98	17%	73%	50%	34%
7731	67.06	13.4%	20.69	32%	86%	41%	15%
7729	73.37	3.2%	18.43	72%	97%		112%
7727	74.18	1.6%	24.29	84%	99%		191%
7725	73.68	2.2%	22.02	76%	98%		146%
7723	59.84	8.9%	22.25	17%	72%	51%	30%
7721	63.12	1.5%	25.53	22%	78%	74%	261%
7719	76.31	1.5%	20.20	143%	102%		251%
7717	75.43	1.4%	19.26	111%	101%		322%
7715	73.68	1.3%	19.38	76%	98%		344%
7713	73.68	1.6%	21.64	76%	98%		234%
7711	62.31	3.4%	18.83	21%	77%	77%	127%
7709	71.56	2.9%	14.94	54%	94%	90%	168%
7707	78.43	1.5%	17.71	406%	106%		296%
7705	68.5	1.8%	16.76	322%	106%		257%
7703	63.68	2.2%	19.62	100%	100%		170%
7701	39.5	2.8%	19.41	113%	101%		120%
7699	44.31	2.1%	20.04	58%	95%		183%
7697	24.09	1.8%	17.72	593%	107%		234%
7695	18.76	2%	17.67	1808%	106%		121%
7693	18.23	3.3%	18.20		110%	61%	94%


PETROMAR

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
						INDONESIA	WS-DWM
7691	21.34	3.8%	17.85	63%	96%	78%	92%
7689	25.31	2.3%	19.59	57%	94%		168%
7687	23.4	3.3%	18.72	57%	95%	77%	107%
7685	38.43	1.0%	20.32	368%	106%		406%
7683	56.18	2.6%	20.28	134%	102%		123%
7681	74.12	1.7%	18.27	83%	98%		264%
7679	77.87	1.3%	19.97	275%	105%		309%
7677	78.93	4.6%	16.89	694%	107%		66%
7675	74.06	2.8%	18.41	82%	98%		131%
7673	73.43	1.8%	16.14	73%	97%		279%
7671	76.81	2.8%	17.81	169%	103%		129%
7669	63.18	2.1%	27.65	22%	79%	67%	148%
7667	75.81	1.5%	16.74	123%	101%		335%
7665	69.25	1.7%	20.50	40%	90%		261%
7663	74.12	1.6%	20.84	83%	98%		248%
7661	67.25	0.8%	26.40	32%	86%		518%
7659	72.50	0.4%	22.50	62%	95%		1402%
7657	84.25	1.1%	20.40		117%	63%	327%
7655	67.37	0.9%	21.52	33%	86%		585%
7653	80.37	2.1%	20.94		110%	60%	141%
7651	70.93	2.4%	18.65	49%	93%		172%
7649	67.75	1.6%	21.45	34%	87%		274%
7647	72.00	-0.1%	22.65	57%	95%		17119%
7645	71.93	1.0%	22.24	57%	94%		436%
7643	73.12	0.4%	21.70	69%	97%		1512%
7641	82.18	0.7%	22.16		113%	63%	642%
7639	76.06	-1.1%	22.15	132%	102%		1675%
7637	76.62	1.1%	21.35	158%	103%		362%
7635	85.06	2.3%	19.54		118%	60%	124%
7633	85.25	0.7%	19.84		119%	65%	602%
7631	74.25	0.4%	20.20	85%	99%		1465%
7629	76.62	3.1%	18.72	158%	103%		106%
7627	74.37	2.7%	18.57	87%	99%		133%
7625	73.00	1.3%	19.74	67%	96%		349%
7623	60.00	0.1%	40.23	17%	73%		8454%
7621	74.37	1.0%	22.20	87%	99%		397%
7619	73.87	2.1%	21.25	79%	98%		163%
7617	65.93	1.7%	24.20	28%	84%	74%	230%
7615	61.65	1.8%	24.78	20%	76%	75%	221%
7613	75.50	2.3%	19.95	113%	101%		150%
7611	73.62	0.8%	20.65	75%	97%		607%
7609	72.43	1.5%	19.20	61%	95%		310%
7607	80.50	1.5%	20.02		110%	64%	248%
7605	84.37	1.3%	20.72		117%	62%	262%
7603	76.25	2.1%	20.92	140%	102%		161%
7601	64.87	1.3%	24.06	26%	82%	76%	317%
7599	63.81	1.5%	24.67	23%	80%	75%	267%
7597	70.12	2.4%	21.51	44%	91%	74%	146%
7595	66.00	1.9%	20.47	28%	84%	80%	238%
7593	74.06	3.2%	18.53	82%	98%		109%
7591	74.87	2.3%	15.88	97%	100%		203%
7589	73.25	2.4%	16.53	70%	97%		193%
7587	80.12	2.4%	14.88		109%	72%	191%
7585	65.31	2.3%	19.08	27%	82%	81%	205%
7583	59.50	3.8%	18.23	17%	72%	79%	124%


PETROMAR

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
						INDONESIA	WS-DWM
7581	72.06	3.4%	15.54	58%	95%	85%	128%
7579	73.81	1.6%	22.01	78%	98%		233%
7577	58.00	0.9%	37.24	15%	69%	67%	383%
7575	63.43	3.1%	29.05	23%	79%	61%	84%
7573	64.75	4.1%	28.97	25%	81%	56%	55%
7571	53.25	2.9%	43.28	11%	60%	57%	74%
7569	52.37	6.0%	30.61	10%	59%	56%	44%
7567	72.62	1.7%	21.10	63%	96%		231%
7565	73.93	1.5%	21.95	80%	98%		256%
7563	76.93	1.1%	17.15	177%	104%		487%
7561	72.12	3.3%	17.33	59%	95%	81%	118%
7559	78.87	1.7%	18.99	640%	107%		226%
7557	72.56	1.1%	19.11	63%	96%		442%
7555	57.40	2.7%	22.72	14%	68%	78%	163%
7553	76.56	0.5%	16.90	155%	103%		1491%
7551	77.25	1.1%	18.43	202%	104%		419%
7549	73.81	1.1%	19.55	78%	98%		425%
7547	72.68	1.6%	18.63	64%	96%		296%
7545	80.37	1.9%	16.20		110%	70%	224%
7543	73.25	3.1%	16.62	70%	97%		134%
7541	77.37	2.9%	16.31	213%	104%		139%
7539	72.37	3.2%	16.35	61%	95%	85%	131%
7537	69.56	3.1%	19.29	42%	90%	75%	121%
7535	67.81	3.5%	16.06	34%	87%	81%	135%
7533	72.43	3.3%	16.29	61%	95%	85%	126%
7531	78.93	1.9%	19.23	694%	107%		197%
7529	70.31	-0.5%	22.10	46%	91%		3971%
7527	63.59	2.4%	28.37	23%	79%	64%	118%
7525	70.62	1.7%	22.67	47%	92%		213%
7523	67.81	2.3%	24.09	34%	87%	70%	142%
7521	56.90	1.2%	34.45	14%	67%	70%	298%
7519	46.93	1.3%	40.64	7%	49%	82%	299%
7517	63.75	0.9%	30.07	23%	80%		414%
7515	60.43	2.3%	23.57	18%	74%	75%	177%
7513	70.37	2.9%	23.55	46%	92%	68%	99%
7511	46.78	1.4%	47.21	7%	49%	75%	231%
7509	68.93	1.8%	18.83	39%	89%		253%
7507	76.62	1.6%	15.74	158%	103%		333%
7505	64.81	1.1%	35.42	26%	81%		245%
7503	55.03	2.3%	36.96	12%	64%	63%	117%
7501	53.46	1.7%	25.24	11%	61%	86%	287%
7499	54.75	1.5%	57.26	12%	63%	53%	121%
7497	67.62	1.6%	19.69	33%	87%		295%
7495	72.87	2.2%	17.01	66%	96%		201%
7493	68.93	1.6%	22.04	39%	89%		252%
7491	75.43	2.2%	22.67	111%	101%		138%
7489	66.81	5.9%	18.42	31%	85%	64%	56%
7487	72.06	3.1%	19.39	58%	95%	77%	111%
7485	74.43	3.7%	15.60	88%	99%		108%
7483	72.31	0.8%	15.88	60%	95%		958%
7481	72.06	0.3%	16.32	58%	95%		3335%
7479	69.87	3.6%	16.22	43%	91%	81%	122%
7477	72.81	6.1%	15.22	65%	96%	74%	60%
7475	62.06	1.0%	15.34	20%	76%	56%	34%
7473	65.18	5.6%	14.51	26%	82%	76%	83%

**PETROMAR**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
						INDONESIA	WS-DWM
7471	68.75	3.6%	15.08	38%	89%	83%	133%
7469	71.62	3.9%	13.46	54%	94%	89%	128%
7467	71.25	2.5%	15.57	52%	93%		201%
7465	76.87	4.1%	14.45	173%	103%		101%
7463	79.12	4.4%	14.18	947%	107%		89%
7461	71.93	3.3%	14.86	57%	94%	88%	142%
7459	62.37	1.2%	24.59	21%	77%	78%	362%
7457	61.59	1.5%	29.98	19%	76%	69%	222%
7455	58.53	2.9%	21.15	15%	70%	79%	156%
7453	72.31	3.8%	15.52	60%	95%	84%	113%
7451	69.18	3.5%	15.56	40%	89%	83%	134%
7449	67.75	4.1%	18.61	34%	87%	71%	88%
7447	70.00	3.1%	16.12	44%	91%	84%	150%
7445	65.37	2.1%	17.64	27%	82%	86%	257%
7443	58.75	4.6%	21.63	16%	70%	68%	79%
7441	64.81	4.1%	13.78	26%	81%	86%	137%
7439	66.75	4.4%	15.75	31%	85%	77%	101%
7437	69.75	5.3%	15.23	42%	90%	74%	76%
7435	56.34	12.9%	13.67	13%	66%	57%	37%
7433	68.06	2.2%	15.19	35%	87%	92%	265%
7431	69.81	2.0%	14.92	43%	91%		296%
7429	62.50	2.5%	16.10	21%	77%	90%	236%
7427	68.50	1.7%	15.43	37%	88%		356%
7425	62.28	0.9%	21.13	21%	77%		709%
7423	50.84	4.9%	33.19	9%	56%	60%	56%
7421	43.00	3.7%	30.42	5%	42%	86%	123%
7419	51.68	2.9%	20.14	10%	58%	92%	197%
7417	65.93	2.4%	22.92	28%	84%	72%	146%
7415	37.96	2.2%	50.08	4%	33%	94%	174%
7413	51.50	2.6%	24.52	9%	57%	85%	188%
7411	62.62	3.9%	20.36	21%	77%	71%	97%
7409	62.87	3.3%	20.43	22%	78%	74%	121%
7407	60.15	3.0%	17.98	17%	73%	84%	170%
7405	65.25	2.9%	17.23	27%	82%	82%	170%
7403	70.81	3.5%	17.15	49%	92%	79%	115%
7401	65.93	2.4%	22.45	28%	84%	73%	156%
7399	65.12	3.3%	15.20	26%	82%	86%	163%
7397	62.71	4.9%	15.49	21%	78%	78%	99%
7395	58.50	2.4%	17.05	15%	70%	93%	263%
7393	62.43	5.5%	15.69	21%	77%	74%	83%
7391	68.00	4.6%	14.61	35%	87%	80%	102%
7389	67.50	4.3%	15.45	33%	86%	79%	106%
7387	68.81	1.4%	18.88	38%	89%		358%
7385	62.25	2.2%	16.53	21%	77%	91%	267%
7383	66.87	3.5%	15.94	31%	85%	81%	134%
7381	62.65	2.0%	23.62	21%	78%	75%	197%
7379	77.06	3.3%	16.46	186%	104%		111%
7377	56.09	2.5%	23.73	13%	66%	80%	179%
7375	66.37	2.3%	18.64	30%	84%	81%	198%
7373	57.59	3.7%	16.88	14%	68%	86%	151%
7371	57.34	6.8%	20.29	14%	68%	62%	53%
7369	65.50	4.3%	23.75	27%	83%	62%	65%
7367	68.62	4.4%	21.93	37%	88%	64%	64%
7365	71.62	2.8%	23.26	54%	94%	70%	104%
7363	80.00	2.5%	23.56		109%	55%	97%


PETROMAR

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
						INDONESIA	WS-DWM
7361	67.68	2.0%	20.41	34%	87%	79%	216%
7359	64.62	1.8%	19.93	25%	81%	82%	274%
7357	65.00	2.7%	22.45	26%	82%	71%	130%
7355	68.56	1.0%	20.89	37%	88%		507%
7353	70.43	2.9%	19.88	46%	92%	75%	122%
7351	74.18	2.1%	20.84	84%	99%		166%
7349	64.87	0.7%	29.15	26%	82%		562%
7347	40.34	2.0%	65.05	4%	37%	74%	131%
7345	58.09	2.2%	30.94	15%	69%	67%	140%
7343	58.18	2.7%	35.24	15%	69%	60%	93%
7341	65.06	2.4%	30.11	26%	82%	61%	105%
7339	59.84	5.8%	20.25	17%	72%	65%	61%
7337	65.87	6.2%	16.18	28%	83%	68%	63%
7335	61.09	8.1%	15.59	19%	75%	65%	52%
7333	61.68	5.5%	14.35	20%	76%	79%	96%
7331	69.87	2.5%	19.94	43%	91%	77%	155%
7329	68.56	0.9%	21.94	37%	88%		584%
7327	69.75	2.7%	24.52	42%	90%	68%	108%
7325	76.06	2.8%	19.22	132%	102%		116%
7323	65.43	1.4%	29.16	27%	83%	68%	230%
7321	62.84	3.3%	17.82	22%	78%	80%	141%
7319	72.56	3.3%	21.53	63%	96%	72%	89%
7317	73.62	1.4%	18.76	75%	97%		324%
7315	60.53	5.2%	16.18	18%	74%	76%	92%
7313	52.06	0.8%	46.53	10%	58%	69%	432%
7311	53.81	5.2%	14.79	11%	61%	88%	121%
7309	78.56	4.0%	13.38	455%	106%		111%
7307	68.87	2.9%	17.68	38%	89%	80%	150%
7305	62.09	2.7%	17.33	20%	77%	85%	192%
7303	72.37	3.4%	15.24	61%	95%	87%	131%
7301	54.96	3.0%	22.18	12%	64%	81%	153%
7299	32.12	8.0%	29.47	2%	22%	84%	75%
7297	26.51	7.6%	21.76	1%	12%	129%	133%
7295	38.68	7.1%	24.49	4%	34%	82%	78%
7293	36.34	4.0%	31.74	3%	30%	105%	140%
7291	68.81	4.1%	17.45	38%	89%	74%	93%
7289	47.40	12.0%	17.10	7%	50%	59%	42%
7287	71.75	1.9%	19.16	55%	94%		216%
7285	54.71	2.7%	21.93	12%	63%	84%	184%
7283	68.18	3.6%	17.12	36%	88%	77%	115%
7281	75.62	6.8%	15.41	117%	101%	81%	48%
7279	57.37	2.7%	18.56	14%	68%	88%	210%
7277	60.15	4.3%	18.35	17%	73%	75%	103%
7275	61.71	4.9%	18.37	20%	76%	71%	83%
7273	30.21	6.9%	22.41	2%	19%	118%	126%
7271	52.75	6.2%	14.74	10%	60%	84%	100%
7269	75.62	4.7%	15.81	117%	101%		76%
7267	55.00	2.6%	21.61	12%	64%	85%	190%
7265	65.06	4.2%	17.28	26%	82%	75%	102%
7263	69.43	7.5%	12.90	41%	90%	72%	59%
7261	29.65	17.8%	16.33	2%	18%	62%	51%
7259	28.54	8.6%	15.19	1%	16%	131%	138%
7257	43.65	8.3%	11.70	6%	43%	101%	113%
7255	36.00	8%	21.25	3%	2%	87%	83%
7253	20.15	10.4%	26.40	0%	0%	106%	106%


PETROMAR

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
						INDONESIA	WS-DWM
7251	21.35	2.6%	52.98	0%	2%	300%	330%
7249	19.84	5.6%	38.32		-0%	ERR	177%
7247	20.98	8.1%	23.49	0%	2%	147%	147%
7245	22.67	5.4%	33.61	0%	5%	168%	174%
7243	48.34	10.6%	15.69	8%	52%	67%	53%
7241	64.00	4.6%	10.32	24%	80%	99%	167%
7239	54.65	10.3%	14.15	12%	63%	65%	51%
7237	23.51	7.3%	22.18	1%	6%	152%	156%
7235	21.28	5.4%	23.33	0%	2%	227%	234%
7233	19.98	8.3%	17.13		-0%	ERR	178%
7231	24.32	7.6%	18.60	1%	8%	155%	161%
7229	26.39	6.8%	18.93	1%	12%	155%	168%
7227	43.18	6.3%	13.67	5%	42%	108%	139%
7225	68.50	8.6%	11.41	37%	88%	73%	58%
7223	68.50	7.6%	11.58	37%	88%	76%	68%
7221	63.68	5.6%	14.36	23%	79%	77%	89%
7219	39.50	4.6%	19.10	4%	35%	117%	171%
7217	44.31	4.7%	20.41	6%	44%	95%	131%
7215	24.09	11.0%	20.77	1%	7%	101%	97%
7213	18.76	2.7%	22.95		-2%	ERR	549%
7211	18.23	5.7%	30.76		-3%	ERR	198%
7209	21.34	6.3%	37.75	0%	2%	145%	145%
7207	25.31	10.4%	16.64	1%	10%	117%	116%
7205	23.40	8.1%	18.19	1%	6%	154%	158%
7203	38.43	5.2%	16.09	4%	34%	125%	177%