



Table 1: Bit Record Summary-Well Volador-1

Run No.	Bit No.	Bit Size	Bit Type	Jet Size			Depth Out (m)	Metres	Hours	WOB (mt)	RPM	Flow (l/min)	Press (psi)	Mud		Dull Code			Remarks
														Wt	Visc. (secs)	T	B	G	
1	1	26	DSJ	20	20	20	339	54	2-3/4	0-3	30/50	3520	569	Seawater		1	1	I	Slug each single
2	1RR	26	DSJ	20	20	20	-												Rerun, drill cement
3	2	12-1/4	DSJ	16	16	16	560	221	8-1/4	0-2	100	3400	2140	Seawater		1	2	I	Pilot hole
4	1RR	26	DSJ	20	20	20	560	221	20-1/4	0-3	60	3960	2175	Seawater		2	4	I	Rerun - opened hole
5	3	17-1/2	DSJ	16	16	16	664	104	9	5	50	3400	2140	1.10	45	1	6	I	
6	4	17-1/2	DSJ	16	16	16	883	219	17-1/2	10	60	3300	2140	1.11	43	1	6	I	
7	5	17-1/2	DSJ	16	16	16	1090	207	23	10	60	3300	2200	1.11	43	1	5	1/8	
8	6	17-1/2	S3S	18	18	18	1318	228	31	15	60	3520	2660	1.11	43	3	6	I	
9	6RR	17-1/2	S3S	18	18	18	1318												
10	2RR	12-1/4	DSJ	16	16	16	1417	99	11-1/4	15	100	3083	2560	1.10	41				Check trip
11	7	12-1/4	SDS	15	15	15													Rerun, drill shoe track.
12		12-1/8	Flat Mill					0		0/5	40/50								Lost in hole, zero footage drilled. 80% worn.
13	8	12-1/4	DSJ	20	20	20	1397	29	3-1/4		350	1430	900	1.10	45	1	3	I	Dyna Drill - sidetrack.
14	9	12-1/4	SDS	15	15	15	1600	203	21-1/2	15-18	100	2930	2850	1.10	43	3	1	I	Marl.
15	10	12-1/4	SDS	15	15	15	1912	312	26	15-21	100	2930	2850	1.10	41	2	3	I	Bearing seals intact
16	11	12-1/4	SDS	15	15	14	2196	284	37	18-21	100/120	2860	3130	1.10	43	4	3	I	Hydratable clay caused balling.
17	12	12-1/4	SDS	15	15	14	2529	333	29	18-28	90/120	2812	3050	1.10	43	3	4	1/8	Hydratable clays.
18	13	12-1/4	SDS	15	15	14	2842	313	18-1/3	14-20	120/130	2816	3000	1.11	42	2	3	I	Hydratable clays.
19	14	8-1/2	SDGH	16	16	16	2857	15	6-3/4	5-12	50/70	1300	1000	1.14	44	8	3	1/8	8 teeth broken.
20	15	8-1/2	F2	11	11	11	2997	140	42	17	70	1360	1900	1.15	45	2	8	I	1 cone hanging loose
21	16	8-1/2	F2	11	11	11	3040	5	2-1/2	0-2	70/120	1360	2000	1.14	47	1	3	1	POH. Insert broken.
22	17	8-1/2	FDGH	11	11	11	3045	5	2-1/2	0-2	70/120	1360	2000	1.14	47	1	1	I	Suspect junk on bottom.
23	ARR	8-1/2	FDGH	11	11	11	3097	52	9-3/4	8-12	70	1360	2000	1.15	48	6	3	1/8	Rerun.
24	18	8-1/2	FDGH	11	11	11	3173	75	14	13	80/100	1360	2000	1.15	49	5	3	2	Bit pinched 1/4".
25	19	8-1/2	FDGH	11	11	11	3244	71	14-1/2	12-14	80/100	1360	2000	1.15	43	8	3	2	Bit pinched 1/4".
26	20	8-1/2	F3	10	10	10	3349	105	25-1/2	12-18	70/50	1380	2600	1.15	43	3	3	1	22.7 hrs on bottom.
27	21	8-1/2	F3	10	10	10	3529	180	44-1/4	18	50	1350	2550	1.14	43/50	3	3	I	39.8 hrs on bottom.
28	22	8-1/2	F2	10	10	11	3702	173	45-1/2	16	60	1453	2900	1.15	42/50	3	3	1/8	Increased torquing
29	23	8-1/2	F2	10	10	11	3896	194	46	16-18	60	1500	2900	1.16	40/50	7	4	I	40.6 hrs on bottom.
30	24	8-1/2	F3	10	10	11	3922	26	9	16-18	50	1500	2950	1.16	49	1	1	I	Broken inserts.
31	25	8-1/2	F3	10	10	11	4081	159	40	16-18	50	1500	2900	1.15	41	3	3	I	Washed out nozzle.
32	26	8-1/2	F3	10	10	11	4228	147	42-3/4	16-20	50	1500	2900	1.16	44	2	4	I	
33	27	8-1/2	F3	10	10	11	4372	144	34	18-20	50	1500	2950	1.26	46	2	4	I	
34	27RR	8-1/2	F3																Checktrip R.R.
35	27RR	8-1/2	F3	Open															Checktrip R.R.
36	27RR	8-1/2	F3	Open															Checktrip R.R.
37	28	8-1/2	F3	12	12	12	4402	30	13-3/4	8-13	55	1500	2350	1.29	50	1	2	1	12.6 hrs on bottom.
38	28RR	8-1/2	F3	None															Wiper trip.
39	29	8-1/2	L4HJ	18	18	18	4402	0	-	0-5	50			1.29	43	6	8	2	One cone locked.
40	30	8-1/2	SVH	18	18	18	4402	0	-	-	50			1.29	43	3	2	1	Drilled on junk.
41	31	6	FDT	12	12	12	-	42	3	0-5	50	1100	2900	1.29	43	1	1	I	Drilled cement
42	32	6	FDT	12	12	12	4413	11	4-1/2	5-8	50-80	740	1300	1.29	46	7	4	I	4334-4376m.
43	33	6	J33	11	11	11	4452	39	16	14	50	740	1800	1.29	43	1	3	0	Drilled FC, CMT & Shoe of 7" liner + new formation.
44	34	6	J33	11	11	11	4528	76	30	14	50	740	1500	1.29	43				Pump pressure dropped 500 psi.
45	35	6	J33	11	11	11	4611	83	24	14	50	740	1500	1.29	44	2	6	0	Pulled bit.
46	33RR	6	J33	Open			4611												Reached TD 00.45 hrs 24.3.83.
47	33RR	6	J33	Open			4308												Schlumberger checktrip. Bit & scraper run to tag cement plugs at 4308m.