



TIME ANALYSIS		
Before Spud Date		
Items	Days	%
Move from Herita-Voluta	1.8	
Anchoring	6.1	
Rig Up	0.2	
	8.1	
From Spud Date to TD		
Drilling (1)	20.0	19.1
Roundtrips	22.0	21.0
Conditioning + Reaming	3.1	2.9
(2)	45.1	43.0
Coring	12.1	11.6
Logging	3.2	3.1
Testing	-	-
Casing	14.1	13.5
Lost Circulation / Plugging	7.7	7.3
Miscellaneous	1.1	1.1
Downtime	21.5	20.4
Overall Time to TD (3)	104.8	100.0
Operation After Reaching TD		
Logging	1.6	
Fishing	2.2	
Plugging	1.6	
Rig down	2.2	
Deanchoring	0.6	
Downtime (wow)	3.9	
Grand Total Voluta	124.9	

Contractor: SEDCO
 RIG DESCRIPTION
 Drawworks: OILWELL GK 3000 Mast: LEE C. MOORE 142 ft.
 Drill engines: 3xGM 16-645
 Mud Pumps: 2xOILWELL 1700-P 7"x18"
 Kelly: API 4 1/2 hex STANDPIPE: 6 1/2" OD
 Swivel: OILWELL SA 425 HOSE: 3" 65 ft. Long. 450 ton.

BIT SUMMARY						
Size	No. Bits	No. Footage	Hours	Feet/Hour	Feet/Bit	Hours on Bit
17 1/2"	3	560	36 1/2	15.4	187	12.1
12 1/2"	12	5150	7 3/4	70.1	429	6.1
8 1/2"	47	6486	356 1/2	18.2	138	7.6
8"	1	34	14 1/2	2.3	34	14.5
CORING						
8 1/2"	7	337	54 1/2	6.2	48.2	7.8
7 1/2"	1	19	3	6.3	19.0	3.0
6 1/2"	2	36	3 1/2	10.3	18.0	1.8
HOLE OPENING						
36"	1	112	2 1/2	45	112	2 1/2
26"	1	563	4 1/2	132	563	4 1/2
17 1/2"	1	967	10	967	967	10

DRILLING BITS		
NO.	TYPE	NOZZLES (1/32")
1	B4	3 x 20
2	X3	2 x 18 1 x 16
3	X10	none
4	OSG-10	none
5	OMC	none
6	YT-3A	none
7	YT-3A	2 x 20 1 x none
8	YT-3A	2 x 20 1 x none
9	YT-3A	2 x 18 1 x 16
10	YT-3A	2 x 18 1 x 16
11	OSG-10	2 x 18 1 x 16
12	OMC	2 x 18 1 x 16
13	OMC	2 x 18 1 x 16
14	OMC-3	3 x 16
15	XV	3 x 16
16	YT-3A	3 x 16
17	X3	none
18	X3	2 x 11 1 x 16
19	X3	3 x 11
20	OMV	2 x 11 1 x 16
21	XV	2 x 11 1 x 16
22	X10	3 x 11
23	X10	2 x 11 1 x 10
24	X3	2 x 11 1 x 10
25	XV	2 x 11 1 x 10
26	XV	2 x 11 1 x 10
27	X10	3 x 11
28	H7UQ	3 x 12
29	X10	3 x 11
30	XV	3 x 11
31	X10	3 x 11
32	X10	3 x 11
33	X3	3 x 11
34	X10	3 x 11
35	X10	3 x 11
36	X10	3 x 11
37	X10	3 x 11
38	XV	3 x 11
39	X10	3 x 11
40	OMV	2 x 11 1 x 12
41	X10	2 x 11 1 x 12
42	X10	2 x 11 1 x 12
43	X10	2 x 11 1 x 11
44	X3	2 x 11 1 x 12
45	X10	2 x 11 1 x 12
46	X10	2 x 11 1 x 12
47	XV	2 x 11 1 x 12
48	X10	3 x 12
49	Diam. D19-P	2 x 14 1 x 12
50	X10	2 x 12 1 x 12
51	X10	2 x 12 1 x 11
52	X3	2 x 12 1 x 11
53	X3	2 x 12 1 x 11
54	XV	2 x 12 1 x 11
55	OSG-10	2 x 12 1 x 11
56	X10	2 x 12 1 x 11
57	X10	2 x 12 1 x 11
58	X10	2 x 12 1 x 11
59	X10	2 x 12 1 x 11
60	X10	2 x 12 1 x 11
61	X10	2 x 12 1 x 11
62	X10	2 x 12 1 x 11
63	X10	2 x 12 1 x 11
64	XV	2 x 12 1 x 11

OPERATOR: SHELL DEV. (AUST.) PTY. LTD.
 WELL: VOLUTA-1
 CO. ORD.: E 429910 YARDS
 N 262416 YARDS
 ASM ZONE 6
 ELEVATION: DF 112 FT. above MSL
 SEA BED 301 FT. below MSL
 30" HOUSING 407 FT. below DF

MUD ADDITIVES			
	Lbs.	Lbs./Ft.	AS/Ft.
Bentonite	603,600	46.5	2.00
Barytes	263,380	20.2	0.50
Caustic Soda	26,180	2.0	0.17
Sperasene	77,800	6.0	1.17
IP 20	38,300	2.9	0.62
CMC	8,010	0.6	0.37
Alum. Stearate	1,240	0.1	0.04
Sodium Bicarb	1,310	0.1	0.01
Mica Flakes	17,250	1.3	0.10
Walnut Shells	8,900	0.7	0.16
Fibertex	6,000	0.5	0.09
			5.23
CEMENT			
Sacks			
Class B	7650		
Class E	2330		
Calcium Chloride	44		

SCHLUMBERGER LOGS					
Run No.	1	2	3	4	5
Type					
IES	2624-6296	6315-9636	9500-12416	6315-9625	9500-12360
ESQRC	965-1978	2070-2640	2624-6264		
CDM	2624-6292	6315-8706			
FDC	2624-6296	6315-9636			
WLO	966-2038	965-2648			
LL7	965-2645				
SFP	2624-6297				
CBL	940-2624	2000-6325	6100-6330	6100-6340	
T	256-2002	990-2034	430-2648		
CCL	6196-6301				

SHELL DEVELOPMENT (AUSTRALIA) PTY LTD
 OTWAY BASIN
 VOLUTA - 1
 WELL HISTORY CHART