

T H U M S   L O N G   B E A C H   C O M P A N Y

COMPLETED WELL  
MULTI-SHOT SURVEY

RUN DATE: 17-NOV-93

PAGE: 5

WELL NUMBER: C-239 M1

START DATE: 10/21/93

K.B. ELEVATION: 36.33

VENDOR: SCI-DRILL/B-H INTEQ

LAMBERT COORDINATES: N 4017645.68 E 4246266.51

SECTION BEARING: S43 OE

MEASURED DEPTH	COURSE LENGTH	DRIFT ANGLE	VERTICAL DEPTH		DEVIATION		TOTAL COORDINATES				TOTAL DISTANCE IN SECTION	READING DATE	
			COURSE	TOTAL	SUB-SEA	COURSE	BEARING	NORTH	SOUTH	EAST			WEST
3628	31	45 15	21.82	2882.32	2845.99	22.02	S52 37E	0.00	1154.25	1642.79	0.00	1964.55	10/27/93
		45 15					S52 30E						
3659	31	45 15	21.82	2904.14	2867.81	22.02	S52 37E	0.00	1167.62	1660.29	0.00	1986.26	10/27/93
		45 15					S52 45E						
3690	31	45 15	21.82	2925.97	2889.64	22.02	S52 22E	0.00	1181.06	1677.73	0.00	2007.98	10/27/93
		45 15					S52 0E						
3721	31	45 45	21.63	2947.60	2911.27	22.21	S51 22E	0.00	1194.92	1695.08	0.00	2029.95	10/27/93
		46 0					S50 45E						
3753	32	46 0	22.23	2969.83	2933.50	23.02	S50 22E	0.00	1209.60	1712.81	0.00	2052.78	10/27/93
		46 0					S50 0E						
3784	31	46 0	21.53	2991.36	2955.03	22.30	S49 0E	0.00	1224.23	1729.63	0.00	2074.95	10/27/93
		46 0					S48 0E						
3815	31	46 0	21.53	3012.90	2976.57	22.30	S47 30E	0.00	1239.29	1746.08	0.00	2097.18	10/27/93
		46 0					S47 0E						
3846	31	46 0	21.53	3034.43	2998.10	22.30	S46 52E	0.00	1254.54	1762.35	0.00	2119.43	10/27/93
		46 0					S46 45E						
3877	31	46 30	21.34	3055.77	3019.44	22.49	S46 45E	0.00	1269.95	1778.73	0.00	2141.87	10/27/93
		47 0					S46 45E						
3908	31	48 0	20.74	3076.51	3040.18	23.04	S46 22E	0.00	1285.84	1795.41	0.00	2164.87	10/27/93
		49 0					S46 0E						
3939	31	50 0	19.93	3096.44	3060.11	23.75	S45 15E	0.00	1302.56	1812.27	0.00	2188.60	10/27/93
		50 45					S44 30E						
3970	31	51 30	19.30	3115.74	3079.41	24.26	S43 37E	0.00	1320.12	1829.01	0.00	2212.86	10/27/93
		52 15					S42 45E						
4001	31	52 15	18.98	3134.72	3098.39	24.51	S41 45E	0.00	1338.41	1845.33	0.00	2237.36	10/27/93
		52 15					S40 45E						
4032	31	52 15	18.98	3153.70	3117.37	24.51	S39 52E	0.00	1357.22	1861.05	0.00	2261.84	10/27/93
		52 15					S39 0E						
4063	31	52 15	18.98	3172.68	3136.35	24.51	S37 52E	0.00	1376.57	1876.09	0.00	2286.25	10/27/93
		52 15					S36 45E						
4155	92	52 15	56.32	3229.00	3192.67	72.74	S33 0E	0.00	1437.57	1915.71	0.00	2357.89	10/27/93
		52 15					S29 15E						
4248	93	52 0	57.26	3286.26	3249.93	73.29	S28 52E	0.00	1501.75	1951.10	0.00	2428.96	10/27/93
		51 45					S28 30E						
4341	93	51 30	57.89	3344.15	3307.82	72.78	S28 0E	0.00	1566.01	1985.27	0.00	2499.26	10/27/93
		51 15					S27 30E						
4434	93	51 45	57.58	3401.73	3365.40	73.03	S28 22E	0.00	1630.27	2019.98	0.00	2569.93	10/27/93
		52 0					S29 15E						
4527	93	52 15	56.94	3458.66	3422.33	73.53	S30 30E	0.00	1693.63	2057.30	0.00	2641.72	10/27/93
		52 30					S31 45E						