

THUMS LONG BEACH COMPANY

COMPLETED WELL
MULTI-SHOT SURVEY

237-23782

RUN DATE: 17-NOV-93

PAGE: 1

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			
93	93	0 15	93.00	93.00	56.67	0.41	N74	OE	0.11	0.00	0.39	0.00	0.18	10/24/93
		0 15					N74	OE						
183	90	0 45	89.99	182.99	146.66	1.18	N88	30E	0.14	0.00	1.57	0.00	0.96	10/24/93
		1 15					S77	OE						
213	30	1 30	29.99	212.98	176.65	0.79	S75	22E	0.00	0.06	2.33	0.00	1.63	10/24/93
		1 45					S73	45E						
243	30	2 15	29.98	242.96	206.63	1.18	S74	0E	0.00	0.38	3.46	0.00	2.64	10/24/93
		2 30					S74	15E						
272	29	2 45	28.97	271.92	235.59	1.39	S73	52E	0.00	0.77	4.80	0.00	3.83	10/24/93
		3 0					S73	30E						
302	30	3 30	29.94	301.87	265.54	1.83	S73	22E	0.00	1.29	6.55	0.00	5.41	10/24/93
		3 45					S73	15E						
332	30	4 30	29.91	331.78	295.45	2.35	S73	15E	0.00	1.97	8.81	0.00	7.45	10/24/93
		5 0					S73	15E						
362	30	5 15	29.87	361.65	325.32	2.75	S73	22E	0.00	2.75	11.44	0.00	9.81	10/24/93
		5 30					S73	30E						
392	30	6 0	29.84	391.49	355.16	3.14	S72	22E	0.00	3.70	14.42	0.00	12.55	10/24/93
		6 30					S71	15E						
422	30	7 30	29.74	421.23	384.90	3.92	S70	30E	0.00	5.01	18.12	0.00	16.02	10/24/93
		8 15					S69	45E						
451	29	9 0	28.64	449.87	413.54	4.54	S68	45E	0.00	6.66	22.34	0.00	20.11	10/24/93
		9 45					S67	45E						
481	30	10 30	29.50	479.37	443.04	5.47	S65	22E	0.00	8.93	27.31	0.00	25.16	10/24/93
		11 15					S63	OE						
511	30	12 0	29.34	508.71	472.38	6.24	S60	52E	0.00	11.97	32.76	0.00	31.10	10/24/93
		12 45					S58	45E						
541	30	13 30	29.17	537.89	501.56	7.00	S57	7E	0.00	15.77	38.64	0.00	37.89	10/24/93
		14 0					S55	30E						
571	30	14 45	29.01	566.90	530.57	7.64	S54	15E	0.00	20.23	44.84	0.00	45.38	10/24/93
		15 30					S53	OE						
600	29	16 30	27.81	594.70	558.37	8.24	S52	15E	0.00	25.28	51.36	0.00	53.51	10/24/93
		17 15					S51	30E						
630	30	18 15	28.49	623.19	586.86	9.39	S50	52E	0.00	31.20	58.64	0.00	62.82	10/24/93
		19 0					S50	15E						
660	30	20 0	28.19	651.38	615.05	10.26	S50	7E	0.00	37.78	66.52	0.00	73.00	10/24/93
		20 45					S50	OE						
690	30	21 15	27.96	679.34	643.01	10.87	S50	OE	0.00	44.77	74.85	0.00	83.79	10/24/93
		21 45					S50	OE						
720	30	22 15	27.77	707.11	670.78	11.36	S50	OE	0.00	52.07	83.55	0.00	95.06	10/24/93
		22 45					S50	OE						